



December 17, 2020

Samuel Lieblich, P.E.  
Region II Air Pollution Control Engineer  
NYS DEC Region II  
47-40 21<sup>st</sup> Street  
Long Island City, NY 11101-5407

Re: North River WRRF  
DEC ID: 2-6202-00007  
Part 201 Air Facility Title V Permit  
Quarterly Opacity Monitoring Report  
Third Quarter of 2020

Dear Mr. Lieblich:

The New York City Department of Environmental Protection (DEP) hereby submits to the New York State Department of Environmental Conservation (DEC) the North River Wastewater Resource Recovery Facility's (WRRF) Third Quarter of 2020 Continuous Opacity Monitoring (COM) Report for the five pump engines. This report is submitted as required by Condition 34, Item 34.2 of the WRRF Part 201 Title V Air Facility Permit Renewal 2, effective December 23, 2019.

DEP conducted an investigation of all the 6-minute average opacity events greater than 20% for this compliance period, and was able to identify the possible causes for all of the events.

### **CHRONOLOGICAL REVIEW OF OPACITY EVENTS GREATER THAN 20%**

The following list is a chronological review of DEP's operational record that verifies the likely causes of 6-minute average greater than 20% opacity events in the report for each Pump Engine at the WRRF.

#### **Pump Engine 1**

- |            |                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 07/06/2020 | Operational record indicated that one 6-minute average >20% but ≤ 27% event may have been caused by engine start up.                  |
| 08/10/2020 | Operational record indicated that two 6-minute average >20% but ≤ 27% or >27% exceedances may have been caused by engine maintenance. |
| 08/22/2020 | Operational record indicated that one 6-minute average >27% exceedance may have been caused by engine start up.                       |
| 09/10/2020 | Operational record indicated that two 6-minute average >20% but ≤ 27% or >27% exceedances may have been caused by engine start up.    |

**Vincent Sapienza, P.E.**  
Commissioner

**Pam Elardo, P.E.**  
Deputy Commissioner

**Bureau of Wastewater Treatment**

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|            |                                                                                                                                     |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 09/15/2020 | Operational record indicated that two 6-minute average >27% exceedances may have been caused by engine start up.                    |
| 09/19/2020 | Operational record indicated that two 6-minute average >27% exceedances may have been caused by engine start up.                    |
| 09/23/2020 | Operational record indicated that three 6-minute average >20% but ≤27% or >27% exceedances may have been caused by engine start up. |
| 09/27/2020 | Operational record indicated that two 6-minute average >27% exceedances may have been caused by engine start up.                    |
| 09/29/2020 | Operational record indicated that six 6-minute average >20% but ≤27% or >27% exceedances may have been caused by engine start up.   |
| 09/29/2020 | Operational record indicated that six 6-minute average >20% but ≤27% or >27% exceedances may have been caused by engine start up.   |

### **Pump Engine 2**

|            |                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 07/10/2020 | Operational record indicated that one 6-minute average >20% but ≤ 27% event may have been caused by engine start up.                  |
| 08/03/2020 | Operational record indicated that one 6-minute average >20% but ≤ 27% event may have been caused by engine start up.                  |
| 08/12/2020 | Operational record indicated that one 6-minute average >20% but ≤ 27% event may have been caused by engine maintenance.               |
| 08/12/2020 | Operational record indicated that two 6-minute average >20% but ≤ 27% or >27% exceedances may have been caused by engine maintenance. |
| 08/25/2020 | Operational record indicated that one 6-minute average >20% but ≤ 27% event may have been caused by engine start up.                  |
| 09/03/2020 | Operational record indicated that two 6-minute average >20% but ≤ 27% exceedances may have been caused by engine start up.            |

### **Pump Engine 3**

No exceedances in this quarter

**Pump Engine 4**

|            |                                                                                                                                        |
|------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 07/10/2020 | Operational record indicated that three 6-minute average $>20\%$ but $\leq 27\%$ exceedances may have been caused by engine start up.  |
| 07/11/2020 | Operational record indicated that one 6-minute average $> 20\%$ but $\leq 27\%$ event may have been caused by engine start up.         |
| 07/13/2020 | Operational record indicated that eight 6-minute average $>20\%$ but $\leq 27\%$ exceedances may have been caused by engine start up.  |
| 07/13/2020 | Operational record indicated that six 6-minute average $>20\%$ but $\leq 27\%$ exceedances may have been caused by engine start up.    |
| 07/28/2020 | Operational record indicated that two 6-minute average $> 20\%$ but $\leq 27\%$ exceedances may have been caused by engine start up.   |
| 07/31/2020 | Operational record indicated that three 6-minute average $> 20\%$ but $\leq 27\%$ exceedances may have been caused by engine start up. |
| 08/12/2020 | Operational record indicated that one 6-minute average $> 20\%$ but $\leq 27\%$ event may have been caused by engine start up.         |
| 08/25/2020 | Operational record indicated that one 6-minute average $> 20\%$ but $\leq 27\%$ event may have been caused by engine start up.         |
| 08/30/2020 | Operational record indicated that one 6-minute average $> 20\%$ but $\leq 27\%$ event may have been caused by engine start up.         |
| 09/03/2020 | Operational record indicated that one 6-minute average $> 20\%$ but $\leq 27\%$ event may have been caused by engine shut down.        |

**Pump Engine 5**

|            |                                                                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 07/06/2020 | Operational record indicated that one 6-minute average $> 20\%$ but $\leq 27\%$ event may have been caused by engine start up.                   |
| 07/20/2020 | Operational record indicated that one 6-minute average $> 20\%$ but $\leq 27\%$ event may have been caused by engine start up.                   |
| 07/21/2020 | Operational record indicated that two 6-minute average $> 20\%$ but $\leq 27\%$ exceedances may have been caused by engine start up.             |
| 07/27/2020 | Operational record indicated that two 6-minute average $> 20\%$ but $\leq 27\%$ or $> 27\%$ exceedances may have been caused by engine start up. |
| 07/27/2020 | Operational record indicated that two 6-minute average $> 20\%$ but $\leq 27\%$ exceedances may have been caused by engine start up.             |

08/29/2020 Operational record indicated that two 6-minute average  $> 20\%$  but  $\leq 27\%$  exceedances may have been caused by engine start up.

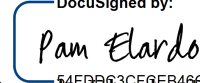
09/11/2020 Operational record indicated that two 6-minute average  $> 20\%$  but  $\leq 27\%$  exceedances may have been caused by engine start up.

09/29/2020 Operational record indicated that one 6-minute average  $> 20\%$  but  $\leq 27\%$  event may have been caused by engine start up.

If you need any additional information, please contact Ms. Theresa Tam, Chief of Division of Air and Emissions at (718) 595-5056.

Very truly yours,

DocuSigned by:

A blue ink handwritten signature that reads "Pam Elardo".

54FD963CE6EB486...  
Pamela Elardo, P.E.

Deputy Commissioner

Attachment

c: Thomas John (DEC Region II, w/o attachments)  
Robert Bolt (DEC Region II, w/o attachments)  
Paresh Shah (DEC Region II, w/o attachments)

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# North River Wastewater Resource Recovery Facility

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## Quarterly Opacity Continuous Monitoring Report for Third Quarter of 2020

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Submitted by:

**New York City Department of Environmental Protection**

96-05 Horace Harding Expressway, 2<sup>nd</sup> floor  
Corona, New York 11368

Prepared by:

**Louis Berger & Assoc., P.C.**

96 Morton Street, 8<sup>th</sup> Floor  
New York, NY 10011

On Behalf of:

**New York City Department of Environmental Protection**

December 23, 2020

Third Quarter 2020  
Project No. 2041797.00.00





**Louis Berger**

96 Morton Street, 8<sup>th</sup> Floor, New York, NY 10011  
Tel: (212) 612-7900 Fax: (212) 363-4341

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Re: QA QC Certification

I have reviewed the attached report entitled "Quarterly Opacity Sulfide Continuous Monitoring Report for Third Quarter of 2020". Based on my inquiry of those individuals with primary responsibility for obtaining such information, I certify that these statements and information are to the best of my knowledge and belief true, accurate and complete.

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Steven Eget, PE, CEM  
License No. 078606-1





## **Introduction**

Pursuant to the Condition 32, Item 32.2 of the New York City Department of Environmental Protection Agency (NYCDEP) North River Wastewater Resource Recovery Facility (NRWRRF) Air Title V Facility Permit Renew 2 effective December 23, 2019, Louis Berger & Assoc., P.C. (Berger) monitored exhaust opacity from the plant's five pump engines, located at West 135<sup>th</sup> Street and the Hudson River, New York, New York. The Opacity Analyzers are located on the stacks for each of the five pump engines, approximately twenty-five feet above the surface of Riverbank State Park, which is on the roof of the plant.

Data collection and daily calibration are generated by a Data Acquisition System (DAS). This DAS will, in cases of 6-minute average opacity exceeding 20%, trigger an audio alarm in the plant control room to alert the plant operators on duty.

The existing AMETEK's Land Model 4500 MkIII opacity analyzers were installed January 5, 2017 through February 12, 2017.

As the plant's Co-Generation construction project progressed, nine (9) new APG-Neuros Model: NX350-C100 electric blower were installed and have been in operation since January 30, 2018, along with the plant existing electrical blower. The plant's Blower Engines BE 1 ceased operation January 4, 2018 and BE 5 ceased operation January 12, 2018. The BE 2 has not been in operation since November 1, 2017, BE 3 and BE 4 have been out of service since they were damaged in a fire incident on July 20, 2011. However, these three Blower Engines' opacity monitors were kept operational only for equipment maintenance purpose. As NYCDEP informed New York State Department of Environmental Conservation (NYSDEC) on March 26, 2019, all Blower Engines Continuous Opacity Monitoring equipment stopped operation on April 1, 2019.

This report documents the operation of the opacity analyzers as required in the NRWRRF Air Title V Facility Permit for the third quarter of 2020. The operation followed the United States Environmental Protection Agency (USEPA) 40 CFR Part 60 Performance Specification 1 and USEPA Procedure 3 – Quality Assurance Requirements for Continuous Opacity Monitoring Systems at Stationary Sources as described in the project's QA/QC manual.

The report includes the following sections:

- Description of QA/QC Checks
- Daily Calibration Report
- Discussion of Results
- Six Minute Opacity Exceedances
- Six Minute Averages
- Data Availability
- Quarterly Filter Audit



- QA/QC for Equipment
- Additional Maintenance

The quarterly calibration error test determines if the analyzer is accurately calibrated.

The daily calibration results determine if the analyzer calibration has drifted outside the limits of the calibration error test.

The six-minute opacity exceedances report lists all of the data above the limits set by the USEPA and the New York State Department of Environmental Conservation (NYSDEC).

The six minute averages report lists all of the data generated during the quarter.

The Discussion of Results section provides tables including percentage of valid data and the maximum, minimum and average six-minute average opacity values during the quarter for each opacity monitor.

### **Description of QA/QC Checks**

USEPA Procedure 3 - Quality Assurance Requirements for Continuous Opacity Monitoring Systems at Stationary Sources - requires all compliance opacity analyzers to undergo a three-point calibration error test every calendar quarter. This test must use an External Zero Device (EZD) and three calibrated neutral density filters. The Quarterly Calibration Error Test requires the installation of an EZD. The EZD allows the operator to check the zero point stability, perform a calibration audit, or to perform a recalibration in accordance with 40 CFR 60 Appendix F Procedure 3, while the process is running and a clear path is not available. The EZD is configured for a specific instrument.

Neutral Density Filters establish a fixed operating point on the basic operating range. The filter values are in neutral opacity density and calibrated in percent opacity. These calibration filters are traceable to the US Department of Commerce National Institute of Standards and Technology (NIST). With the calibration EZD in place, the optical density filters are placed in the EZD. A 'low', 'medium', and 'high' optical density filter is used to check the system calibration. Each filter is sequentially placed in the EZD. This is repeated three times for each filter. The filter values must meet the USEPA's performance criteria of plus or minus two percent opacity.

The data system records one-minute averages. Each filter is left in the EZD for a minimum of three minutes, assuring the data system will collect a valid one minute data point. The opacity DAS records and stores each filter value. In instances where a malfunction has occurred or when daily calibration fails, an audit check will be performed.





### **Daily Calibration Report**

The Daily Calibration Report provides information on the maximum zero and span drift of each of the opacity analyzers. The DAS automatically initiates a zero and span check every day at seven o'clock am. The DAS records the actual zero and span values and compares them with the expected zero and span values. The zero and span drift must meet 40 CFR Part 60 requirements of less than four percent of full scale (100%). If the drift is greater than four percent of full scale, the DAS displays an alarm on the PC screen and all the subsequent data is automatically tagged 'out of cal' until the next successful calibration. If the zero and span check drift is greater than two percent of full scale, a calibration drift warning alarm is displayed on the PC screen.

The time that the data is tagged 'out of cal' is subtracted from the total valid operational time to calculate data availability. Partial 6 minutes monitoring data is reported with flag (<Samp) and is not included in statistical calculations.

### **Discussion of Results**

Louis Berger and Assoc., P.C. (LBA) performed QA/QC of the data and removed opacity exceedances or any readings associated with equipment malfunction, service maintenance etc. and did not identify any issues that would invalidate the exceedances presented in this report. Data collected during periods of maintenance are not considered valid and were removed during LBA's QA/QC process.

|                        | PE 1      | PE 2      | PE 3      | PE 4      | PE 5      |
|------------------------|-----------|-----------|-----------|-----------|-----------|
| <b>Minimum</b>         | -1.6      | -2.0      | -1.4      | -1.3      | -0.4      |
| <b>Date of Minimum</b> | 8/17/2020 | 8/19/2020 | 8/5/2020  | 8/5/2020  | 7/11/2020 |
| <b>Time of Minimum</b> | 5:52 AM   | 3:34 AM   | 5:55 AM   | 7:18 AM   | 1:12 AM   |
|                        |           |           |           |           |           |
| <b>Maximum</b>         | 53.6      | 29.5      | 0.5       | 26.4      | 40.0      |
| <b>Date of Maximum</b> | 9/15/2020 | 8/12/2020 | 9/15/2020 | 7/13/2020 | 7/27/2020 |
| <b>Time of Maximum</b> | 12:00 PM  | 5:12 PM   | 12:06 PM  | 2:48 PM   | 2:54 AM   |
|                        |           |           |           |           |           |
| <b>Average</b>         | 0.0       | 0.9       | -0.6      | 1.8       | 1.8       |
| <b>% Valid</b>         | 98.4%     | 99.5%     | 99.6%     | 99.6%     | 99.6%     |



|                                | PE 1 | PE 2 | PE 3 | PE 4 | PE 5 |
|--------------------------------|------|------|------|------|------|
| % Out of Service               | 1.5% | 0.4% | 0.3% | 0.3% | 0.3% |
| % Calibrations and Maintenance | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% |

### **Six Minute Opacity Exceedances**

The DAS collects one minute and six minute opacity averages. The six minute averages above twenty percent are flagged. The DAS displays an alarm on the PC screen and also generates an audible alarm through the PC's speaker in the control room in the event of a six minute alarm.

### **Data Availability**

The DAS collects all of the operating data on the opacity analyzers and calculates data availability. The time that analyzers are in calibration, invalid or missing is subtracted from the total monitoring period. During the third quarter of 2020, valid data capture ranged from 98.4% to 99.6% for Pump Engines.

### **Quarterly Filter Audit**

Quarterly filter audits were performed on September 23rd, 2020 for all the Pump Engines. Data collected during times when audits were performed are not included in the calculation of "Percent Valid Data" and are flagged with an "Audit". The audit reports are included in Appendix D.

### **QA QC for Equipment**

During the second quarter of 2020, LBA performed the following QA/QC procedures for five pump engines.

- The alignment for all the equipment was checked and adjusted on a weekly basis, and as needed.
- The filters of the unit were cleaned and checked for all of the equipment once a quarter, and as needed.
- The optics of transreceiver and retro reflector for each piece of equipment were cleaned and checked on a weekly basis, and as needed.
- The blower path for each of the pump engines was checked to make sure the path was clear on a weekly basis, and as needed.

**Additional Maintenance Performed**

During the third quarter of 2020, routine maintenance and clean-up were performed on a weekly basis and as needed for all the analyzers. Data collected during times when maintenance was being performed is flagged with “Maintain”. Those data points are not included in the calculation of “Percent Valid Data”.

**Record Reconciliation and Software Communication Problem**

None for this quarter.



The following Appendices are included in the report for all five Pump Engines:

- Appendix A: Daily Calibration Report
- Appendix B: 6 Minutes Exceedances Report
- Appendix C: 6 Minutes Opacity Data
- Appendix D: Quarterly Audit Data
- Appendix E: Weekly Maintenance
- Appendix F: Neutral Density Audit Filters Certification

**APPENDIX A**

**DAILY CALIBRATION REPORT**

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# Daily Calibration Opacity Data Summary Report

**Company:** New York City D.E.P.  
 North River Wastewater Resource Recovery Facility  
 New York, NY 10031  
**Data Group:** Valid Calibration Data  
**Report Name:** 3rd Quarter 2020  
**Start of Report:** 07/01/20 00:00  
**End of Report:** 09/30/20 23:54  
**Validation:** All Calibrations



| Date & Time        | Monitor  | Units | Zero ZRef | Zero ZMeas | Zero ZDiff(%FS) | Zero ZStd | Span SRef | Span SMeas | Span SDiff(%FS) | Span SDiff(%REF) | Span SStd | Result Zero | Result Factor | Result Status |
|--------------------|----------|-------|-----------|------------|-----------------|-----------|-----------|------------|-----------------|------------------|-----------|-------------|---------------|---------------|
| 7/1/2020 12:04 PM  | PumpEng4 | %     | 0         | -0.03      | -0.03           | 0.01      | 26        | 26.03      | 0.03            | 0.12             | 0.01      | -0.03       | 1             | Pass          |
| 7/1/2020 12:04 PM  | PumpEng3 | %     | 0         | 0.083      | 0.08            | 0         | 27        | 27.04      | 0.04            | 0.15             | 0         | 0.08        | 1             | Pass          |
| 7/1/2020 12:04 PM  | PumpEng1 | %     | 0         | 0.055      | 0.06            | 0.01      | 26.8      | 26.74      | -0.06           | -0.22            | 0         | 0.06        | 1             | Pass          |
| 7/1/2020 12:04 PM  | PumpEng2 | %     | 0         | -0.033     | -0.03           | 0.01      | 26.6      | 26.825     | 0.23            | 0.85             | 0.01      | -0.03       | 0.99          | Pass          |
| 7/1/2020 12:04 PM  | PumpEng5 | %     | 0         | 0.005      | 0.01            | 0.01      | 26.3      | 26.158     | -0.14           | -0.54            | 0         | 0.01        | 1.01          | Pass          |
| 7/2/2020 12:04 PM  | PumpEng2 | %     | 0         | -0.035     | -0.04           | 0.01      | 26.6      | 26.735     | 0.14            | 0.51             | 0.01      | -0.04       | 0.99          | Pass          |
| 7/2/2020 12:04 PM  | PumpEng1 | %     | 0         | 0.09       | 0.09            | 0         | 26.8      | 26.758     | -0.04           | -0.16            | 0         | 0.09        | 1             | Pass          |
| 7/2/2020 12:04 PM  | PumpEng5 | %     | 0         | -0.02      | -0.02           | 0         | 26.3      | 26.158     | -0.14           | -0.54            | 0         | -0.02       | 1             | Pass          |
| 7/2/2020 12:04 PM  | PumpEng3 | %     | 0         | 0.043      | 0.04            | 0         | 27        | 27.043     | 0.04            | 0.16             | 0         | 0.04        | 1             | Pass          |
| 7/2/2020 12:04 PM  | PumpEng4 | %     | 0         | -0.058     | -0.06           | 0         | 26        | 26.043     | 0.04            | 0.17             | 0.01      | -0.06       | 1             | Pass          |
| 7/3/2020 12:04 PM  | PumpEng3 | %     | 0         | -0.02      | -0.02           | 0         | 27        | 27.048     | 0.05            | 0.18             | 0         | -0.02       | 1             | Pass          |
| 7/3/2020 12:04 PM  | PumpEng5 | %     | 0         | -0.045     | -0.05           | 0.01      | 26.3      | 26.158     | -0.14           | -0.54            | 0         | -0.05       | 1             | Pass          |
| 7/3/2020 12:04 PM  | PumpEng4 | %     | 0         | 0.018      | 0.02            | 0         | 26        | 26.045     | 0.05            | 0.17             | 0.01      | 0.02        | 1             | Pass          |
| 7/3/2020 12:04 PM  | PumpEng1 | %     | 0         | 0          | 0               | 0         | 26.8      | 26.753     | -0.05           | -0.18            | 0         | 0           | 1             | Pass          |
| 7/3/2020 12:04 PM  | PumpEng2 | %     | 0         | -0.118     | -0.12           | 0.03      | 26.6      | 26.605     | 0               | 0.02             | 0.02      | -0.12       | 1             | Pass          |
| 7/4/2020 12:04 PM  | PumpEng1 | %     | 0         | -0.268     | -0.27           | 0         | 26.8      | 26.755     | -0.05           | -0.17            | 0.01      | -0.27       | 0.99          | Pass          |
| 7/4/2020 12:04 PM  | PumpEng4 | %     | 0         | 0.05       | 0.05            | 0         | 26        | 26.05      | 0.05            | 0.19             | 0.01      | 0.05        | 1             | Pass          |
| 7/4/2020 12:04 PM  | PumpEng2 | %     | 0         | 0.105      | 0.11            | 0.01      | 26.6      | 26.455     | -0.15           | -0.55            | 0.01      | 0.11        | 1.01          | Pass          |
| 7/4/2020 12:04 PM  | PumpEng5 | %     | 0         | 0.07       | 0.07            | 0         | 26.3      | 26.153     | -0.15           | -0.56            | 0         | 0.07        | 1.01          | Pass          |
| 7/4/2020 12:04 PM  | PumpEng3 | %     | 0         | 0.05       | 0.05            | 0         | 27        | 27.043     | 0.04            | 0.16             | 0         | 0.05        | 1             | Pass          |
| 7/5/2020 12:04 PM  | PumpEng5 | %     | 0         | 0.005      | 0.01            | 0.01      | 26.3      | 26.155     | -0.14           | -0.55            | 0.01      | 0.01        | 1.01          | Pass          |
| 7/5/2020 12:04 PM  | PumpEng2 | %     | 0         | -0.003     | 0               | 0         | 26.6      | 26.685     | 0.08            | 0.32             | 0.01      | 0           | 1             | Pass          |
| 7/5/2020 12:04 PM  | PumpEng3 | %     | 0         | 0.04       | 0.04            | 0         | 27        | 27.048     | 0.05            | 0.18             | 0         | 0.04        | 1             | Pass          |
| 7/5/2020 12:04 PM  | PumpEng4 | %     | 0         | -0.02      | -0.02           | 0         | 26        | 26.035     | 0.03            | 0.13             | 0.01      | -0.02       | 1             | Pass          |
| 7/5/2020 12:04 PM  | PumpEng1 | %     | 0         | 0.003      | 0               | 0         | 26.8      | 26.748     | -0.05           | -0.19            | 0         | 0           | 1             | Pass          |
| 7/6/2020 12:04 PM  | PumpEng4 | %     | 0         | -0.015     | -0.02           | 0.01      | 26        | 26.035     | 0.03            | 0.13             | 0.01      | -0.02       | 1             | Pass          |
| 7/6/2020 12:04 PM  | PumpEng3 | %     | 0         | 0.01       | 0.01            | 0.01      | 27        | 27.05      | 0.05            | 0.19             | 0.01      | 0.01        | 1             | Pass          |
| 7/6/2020 12:04 PM  | PumpEng1 | %     | 0         | 0.16       | 0.16            | 0         | 26.8      | 26.758     | -0.04           | -0.16            | 0         | 0.16        | 1.01          | Pass          |
| 7/6/2020 12:04 PM  | PumpEng5 | %     | 0         | -0.078     | -0.08           | 0         | 26.3      | 26.158     | -0.14           | -0.54            | 0         | -0.08       | 1             | Pass          |
| 7/6/2020 12:04 PM  | PumpEng2 | %     | 0         | 0.048      | 0.05            | 0         | 26.6      | 26.725     | 0.13            | 0.47             | 0.01      | 0.05        | 1             | Pass          |
| 7/7/2020 12:04 PM  | PumpEng2 | %     | 0         | -0.035     | -0.04           | 0.01      | 26.6      | 26.453     | -0.15           | -0.55            | 0.01      | -0.04       | 1             | Pass          |
| 7/7/2020 12:04 PM  | PumpEng1 | %     | 0         | -0.078     | -0.08           | 0         | 26.8      | 26.753     | -0.05           | -0.18            | 0         | -0.08       | 1             | Pass          |
| 7/7/2020 12:04 PM  | PumpEng5 | %     | 0         | 0.095      | 0.1             | 0.01      | 26.3      | 26.15      | -0.15           | -0.57            | 0.01      | 0.1         | 1.01          | Pass          |
| 7/7/2020 12:04 PM  | PumpEng3 | %     | 0         | 0.018      | 0.02            | 0         | 27        | 27.045     | 0.05            | 0.17             | 0.01      | 0.02        | 1             | Pass          |
| 7/7/2020 12:04 PM  | PumpEng4 | %     | 0         | 0.098      | 0.1             | 0         | 26        | 26.045     | 0.05            | 0.17             | 0.01      | 0.1         | 1             | Pass          |
| 7/8/2020 12:04 PM  | PumpEng3 | %     | 0         | 0.055      | 0.06            | 0.01      | 27        | 27.043     | 0.04            | 0.16             | 0         | 0.06        | 1             | Pass          |
| 7/8/2020 12:04 PM  | PumpEng5 | %     | 0         | 0.018      | 0.02            | 0         | 26.3      | 26.158     | -0.14           | -0.54            | 0         | 0.02        | 1.01          | Pass          |
| 7/8/2020 12:04 PM  | PumpEng2 | %     | 0         | 0.078      | 0.08            | 0         | 26.6      | 26.475     | -0.13           | -0.47            | 0.01      | 0.08        | 1.01          | Pass          |
| 7/8/2020 12:04 PM  | PumpEng4 | %     | 0         | 0.02       | 0.02            | 0.01      | 26        | 26.045     | 0.05            | 0.17             | 0.01      | 0.02        | 1             | Pass          |
| 7/8/2020 12:04 PM  | PumpEng1 | %     | 0         | 0.088      | 0.09            | 0         | 26.8      | 26.77      | -0.03           | -0.11            | 0         | 0.09        | 1             | Pass          |
| 7/9/2020 12:04 PM  | PumpEng1 | %     | 0         | -0.038     | -0.04           | 0         | 26.8      | 26.743     | -0.06           | -0.21            | 0         | -0.04       | 1             | Pass          |
| 7/9/2020 12:04 PM  | PumpEng4 | %     | 0         | 0          | 0               | 0         | 26        | 26.043     | 0.04            | 0.17             | 0         | 0           | 1             | Pass          |
| 7/9/2020 12:04 PM  | PumpEng2 | %     | 0         | -0.005     | -0.01           | 0.01      | 26.6      | 26.505     | -0.1            | -0.36            | 0.01      | -0.01       | 1             | Pass          |
| 7/9/2020 12:04 PM  | PumpEng5 | %     | 0         | 0.01       | 0.01            | 0         | 26.3      | 26.153     | -0.15           | -0.56            | 0         | 0.01        | 1.01          | Pass          |
| 7/9/2020 12:04 PM  | PumpEng3 | %     | 0         | 0.033      | 0.03            | 0         | 27        | 27.045     | 0.05            | 0.17             | 0.01      | 0.03        | 1             | Pass          |
| 7/10/2020 12:04 PM | PumpEng4 | %     | 0         | 0.483      | 0.48            | 0.01      | 26        | 26.038     | 0.04            | 0.15             | 0.01      | 0.48        | 1.02          | Pass          |
| 7/10/2020 12:04 PM | PumpEng3 | %     | 0         | 0.163      | 0.16            | 0         | 27        | 27.045     | 0.05            | 0.17             | 0.01      | 0.16        | 1             | Pass          |
| 7/10/2020 12:04 PM | PumpEng1 | %     | 0         | 1.615      | 1.62            | 0.01      | 26.8      | 26.725     | -0.07           | -0.28            | 0.01      | 1.62        | 1.07          | Pass          |
| 7/10/2020 12:04 PM | PumpEng5 | %     | 0         | 0.335      | 0.34            | 0.01      | 26.3      | 26.15      | -0.15           | -0.57            | 0         | 0.34        | 1.02          | Pass          |
| 7/10/2020 12:04 PM | PumpEng2 | %     | 0         | 0.783      | 0.78            | 0         | 26.6      | 26.49      | -0.11           | -0.41            | 0.01      | 0.78        | 1.03          | Pass          |
| 7/11/2020 12:04 PM | PumpEng4 | %     | 0         | -0.405     | -0.41           | 0.01      | 26        | 26.028     | 0.03            | 0.11             | 0.01      | -0.41       | 0.98          | Pass          |
| 7/11/2020 12:04 PM | PumpEng3 | %     | 0         | 0.035      | 0.04            | 0.01      | 27        | 27.043     | 0.04            | 0.16             | 0         | 0.04        | 1             | Pass          |
| 7/11/2020 12:04 PM | PumpEng1 | %     | 0         | -1.253     | -1.25           | 0         | 26.8      | 26.728     | -0.07           | -0.27            | 0.01      | -1.25       | 0.96          | Pass          |
| 7/11/2020 12:04 PM | PumpEng2 | %     | 0         | -1.043     | -1.04           | 0         | 26.6      | 26.743     | 0.14            | 0.54             | 0.01      | -1.04       | 0.96          | Pass          |
| 7/11/2020 12:04 PM | PumpEng5 | %     | 0         | -0.143     | -0.14           | 0         | 26.3      | 26.15      | -0.15           | -0.57            | 0         | -0.14       | 1             | Pass          |
| 7/12/2020 12:04 PM | PumpEng2 | %     | 0         | -0.185     | -0.19           | 0.01      | 26.6      | 26.508     | -0.09           | -0.35            | 0.01      | -0.19       | 1             | Pass          |
| 7/12/2020 12:04 PM | PumpEng1 | %     | 0         | -1.55      | -1.55           | 0         | 26.8      | 26.754     | -0.05           | -0.17            | 0.01      | -1.55       | 0.95          | Pass          |
| 7/12/2020 12:04 PM | PumpEng5 | %     | 0         | -0.308     | -0.31           | 0         | 26.3      | 26.146     | -0.15           | -0.59            | 0         | -0.31       | 0.99          | Pass          |
| 7/12/2020 12:04 PM | PumpEng3 | %     | 0         | -0.328     | -0.33           | 0         | 27        | 27.05      | 0.05            | 0.19             | 0         | -0.33       | 0.99          | Pass          |
| 7/12/2020 12:04 PM | PumpEng4 | %     | 0         | -0.373     | -0.37           | 0         | 26        | 26.04      | 0.04            | 0.15             | 0.01      | -0.37       | 0.98          | Pass          |
| 7/13/2020 12:04 PM | PumpEng3 | %     | 0         | -0.04      | -0.04           | 0         | 27        | 27.05      | 0.05            | 0.19             | 0         | -0.04       | 1             | Pass          |
| 7/13/2020 12:04 PM | PumpEng4 | %     | 0         | 0.073      | 0.07            | 0         | 26        | 26.053     | 0.05            | 0.2              | 0.01      | 0.07        | 1             | Pass          |
| 7/13/2020 12:04 PM | PumpEng5 | %     | 0         | -0.133     | -0.13           | 0         | 26.3      | 26.155     | -0.14           | -0.55            | 0.01      | -0.13       | 1             | Pass          |
| 7/13/2020 12:04 PM | PumpEng1 | %     | 0         | 0.663      | 0.66            | 0         | 26.8      | 26.748     | -0.05           | -0.19            | 0         | 0.66        | 1.03          | Pass          |
| 7/13/2020 12:04 PM | PumpEng2 | %     | 0         | 0.035      | 0.04            | 0.01      | 26.6      | 26.485     | -0.11           | -0.43            | 0.02      | 0.04        | 1.01          | Pass          |
| 7/14/2020 12:04 PM | PumpEng1 | %     | 0         | -0.015     | -0.02           | 0.01      | 26.8      | 26.758     | -0.04           | -0.16            | 0         | -0.02       | 1             | Pass          |
| 7/14/2020 12:04 PM | PumpEng4 | %     | 0         | 0.015      | 0.02            | 0.01      | 26        | 26.045     | 0.05            | 0.17             | 0.01      | 0.02        | 1             | Pass          |
| 7/14/2020 12:04 PM | PumpEng2 | %     | 0         | -0.005     | -0.01           | 0.01      | 26.6      | 26.473     | -0.13           | -0.48            | 0.01      | -0.01       | 1             | Pass          |
| 7/14/2020 12:04 PM | PumpEng5 | %     | 0         | -0.025     | -0.03           | 0.01      | 26.3      | 26.155     | -0.14           | -0.55            | 0.01      | -0.03       | 1             | Pass          |
| 7/14/2020 12:04 PM | PumpEng3 | %     | 0         | -0.055     | -0.06           | 0.01      | 27        | 27.043     | 0.04            | 0.16             | 0         | -0.06       | 1             | Pass          |
| 7/15/2020 12:04 PM | PumpEng5 | %     | 0         | 0.05       | 0.05            | 0         | 26.3      | 26.153     | -0.15           | -0.56            | 0         | 0.05        | 1.01          | Pass          |

|                    |          |   |   |        |       |      |      |        |       |       |      |       |      |      |
|--------------------|----------|---|---|--------|-------|------|------|--------|-------|-------|------|-------|------|------|
| 7/15/2020 12:04 PM | PumpEng2 | % | 0 | 0.06   | 0.06  | 0.01 | 26.6 | 26.48  | -0.12 | -0.45 | 0.01 | 0.06  | 1.01 | Pass |
| 7/15/2020 12:04 PM | PumpEng3 | % | 0 | 0.063  | 0.06  | 0.01 | 27   | 27.04  | 0.04  | 0.15  | 0    | 0.06  | 1    | Pass |
| 7/15/2020 12:04 PM | PumpEng4 | % | 0 | 0.05   | 0.05  | 0    | 26   | 26.048 | 0.05  | 0.18  | 0    | 0.05  | 1    | Pass |
| 7/15/2020 12:04 PM | PumpEng1 | % | 0 | 0.048  | 0.05  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.05  | 1    | Pass |
| 7/16/2020 12:04 PM | PumpEng4 | % | 0 | 0.02   | 0.02  | 0.01 | 26   | 26.045 | 0.05  | 0.17  | 0.01 | 0.02  | 1    | Pass |
| 7/16/2020 12:04 PM | PumpEng3 | % | 0 | 0.005  | 0.01  | 0.01 | 27   | 27.04  | 0.04  | 0.15  | 0    | 0.01  | 1    | Pass |
| 7/16/2020 12:04 PM | PumpEng1 | % | 0 | -0.018 | -0.02 | 0    | 26.8 | 26.745 | -0.05 | -0.21 | 0.01 | -0.02 | 1    | Pass |
| 7/16/2020 12:04 PM | PumpEng2 | % | 0 | -0.003 | 0     | 0    | 26.6 | 26.46  | -0.14 | -0.53 | 0.01 | 0     | 1.01 | Pass |
| 7/16/2020 12:04 PM | PumpEng5 | % | 0 | 0.02   | 0.02  | 0    | 26.3 | 26.153 | -0.15 | -0.56 | 0    | 0.02  | 1.01 | Pass |
| 7/17/2020 12:04 PM | PumpEng2 | % | 0 | 0.143  | 0.14  | 0    | 26.6 | 26.478 | -0.12 | -0.46 | 0.01 | 0.14  | 1.01 | Pass |
| 7/17/2020 12:04 PM | PumpEng1 | % | 0 | 0.288  | 0.29  | 0    | 26.8 | 26.738 | -0.06 | -0.23 | 0    | 0.29  | 1.01 | Pass |
| 7/17/2020 12:04 PM | PumpEng5 | % | 0 | 0.1    | 0.1   | 0    | 26.3 | 26.148 | -0.15 | -0.58 | 0    | 0.1   | 1.01 | Pass |
| 7/17/2020 12:04 PM | PumpEng3 | % | 0 | 0.078  | 0.08  | 0    | 27   | 27.038 | 0.04  | 0.14  | 0    | 0.08  | 1    | Pass |
| 7/17/2020 12:04 PM | PumpEng4 | % | 0 | 0.138  | 0.14  | 0.01 | 26   | 26.028 | 0.03  | 0.11  | 0    | 0.14  | 1    | Pass |
| 7/18/2020 12:04 PM | PumpEng3 | % | 0 | 0.07   | 0.07  | 0    | 27   | 27.043 | 0.04  | 0.16  | 0    | 0.07  | 1    | Pass |
| 7/18/2020 12:04 PM | PumpEng5 | % | 0 | -0.07  | -0.07 | 0    | 26.3 | 26.153 | -0.15 | -0.56 | 0    | -0.07 | 1    | Pass |
| 7/18/2020 12:04 PM | PumpEng4 | % | 0 | -0.103 | -0.1  | 0    | 26   | 26.048 | 0.05  | 0.18  | 0.01 | -0.1  | 0.99 | Pass |
| 7/18/2020 12:04 PM | PumpEng1 | % | 0 | 0.03   | 0.03  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0.01 | 0.03  | 1    | Pass |
| 7/18/2020 12:04 PM | PumpEng2 | % | 0 | -0.023 | -0.02 | 0    | 26.6 | 26.508 | -0.09 | -0.35 | 0.01 | -0.02 | 1    | Pass |
| 7/19/2020 12:04 PM | PumpEng1 | % | 0 | 0.2    | 0.2   | 0    | 26.8 | 26.765 | -0.03 | -0.13 | 0.01 | 0.2   | 1.01 | Pass |
| 7/19/2020 12:04 PM | PumpEng4 | % | 0 | -0.003 | 0     | 0    | 26   | 26.045 | 0.05  | 0.17  | 0.01 | 0     | 1    | Pass |
| 7/19/2020 12:04 PM | PumpEng2 | % | 0 | 0.035  | 0.04  | 0.01 | 26.6 | 26.485 | -0.11 | -0.43 | 0.01 | 0.04  | 1.01 | Pass |
| 7/19/2020 12:04 PM | PumpEng5 | % | 0 | -0.03  | -0.03 | 0    | 26.3 | 26.155 | -0.14 | -0.55 | 0.01 | -0.03 | 1    | Pass |
| 7/19/2020 12:04 PM | PumpEng3 | % | 0 | -0.033 | -0.03 | 0    | 27   | 27.05  | 0.05  | 0.19  | 0    | -0.03 | 1    | Pass |
| 7/20/2020 12:04 PM | PumpEng5 | % | 0 | 0.005  | 0.01  | 0.01 | 26.3 | 26.163 | -0.14 | -0.52 | 0    | 0.01  | 1.01 | Pass |
| 7/20/2020 12:04 PM | PumpEng2 | % | 0 | 0.015  | 0.02  | 0.01 | 26.6 | 26.493 | -0.11 | -0.4  | 0.01 | 0.02  | 1    | Pass |
| 7/20/2020 12:04 PM | PumpEng3 | % | 0 | 0.058  | 0.06  | 0    | 27   | 27.048 | 0.05  | 0.18  | 0    | 0.06  | 1    | Pass |
| 7/20/2020 12:04 PM | PumpEng4 | % | 0 | 0.018  | 0.02  | 0    | 26   | 26.04  | 0.04  | 0.15  | 0.01 | 0.02  | 1    | Pass |
| 7/20/2020 12:04 PM | PumpEng1 | % | 0 | 0.038  | 0.04  | 0    | 26.8 | 26.748 | -0.05 | -0.19 | 0    | 0.04  | 1    | Pass |
| 7/21/2020 12:04 PM | PumpEng4 | % | 0 | 0.003  | 0     | 0    | 26   | 26.028 | 0.03  | 0.11  | 0.01 | 0     | 1    | Pass |
| 7/21/2020 12:04 PM | PumpEng5 | % | 0 | -0.09  | -0.09 | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | -0.09 | 1    | Pass |
| 7/21/2020 12:04 PM | PumpEng2 | % | 0 | 0.013  | 0.01  | 0    | 26.6 | 26.5   | -0.1  | -0.38 | 0.01 | 0.01  | 1    | Pass |
| 7/21/2020 12:04 PM | PumpEng3 | % | 0 | -0.038 | -0.04 | 0    | 27   | 27.06  | 0.06  | 0.22  | 0    | -0.04 | 1    | Pass |
| 7/21/2020 12:04 PM | PumpEng1 | % | 0 | -0.05  | -0.05 | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | -0.05 | 1    | Pass |
| 7/22/2020 12:04 PM | PumpEng5 | % | 0 | 0.12   | 0.12  | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | 0.12  | 1.01 | Pass |
| 7/22/2020 12:04 PM | PumpEng4 | % | 0 | 0.063  | 0.06  | 0    | 26   | 26.045 | 0.05  | 0.17  | 0.01 | 0.06  | 1    | Pass |
| 7/22/2020 12:04 PM | PumpEng1 | % | 0 | -0.08  | -0.08 | 0    | 26.8 | 26.738 | -0.06 | -0.23 | 0    | -0.08 | 1    | Pass |
| 7/22/2020 12:04 PM | PumpEng2 | % | 0 | 0.06   | 0.06  | 0    | 26.6 | 26.483 | -0.12 | -0.44 | 0.01 | 0.06  | 1.01 | Pass |
| 7/22/2020 12:04 PM | PumpEng3 | % | 0 | 0.095  | 0.1   | 0.01 | 27   | 27.045 | 0.05  | 0.17  | 0.01 | 0.1   | 1    | Pass |
| 7/23/2020 12:04 PM | PumpEng3 | % | 0 | 0.153  | 0.15  | 0    | 27   | 27.038 | 0.04  | 0.14  | 0    | 0.15  | 1    | Pass |
| 7/23/2020 12:04 PM | PumpEng5 | % | 0 | 0.195  | 0.2   | 0.01 | 26.3 | 26.16  | -0.14 | -0.53 | 0.01 | 0.2   | 1.01 | Pass |
| 7/23/2020 12:04 PM | PumpEng1 | % | 0 | 0.343  | 0.34  | 0    | 26.8 | 26.745 | -0.05 | -0.21 | 0.01 | 0.34  | 1.02 | Pass |
| 7/23/2020 12:04 PM | PumpEng2 | % | 0 | 0.125  | 0.13  | 0.01 | 26.6 | 26.47  | -0.13 | -0.49 | 0.01 | 0.13  | 1.01 | Pass |
| 7/23/2020 12:04 PM | PumpEng4 | % | 0 | 0.145  | 0.15  | 0.01 | 26   | 26.04  | 0.04  | 0.15  | 0.01 | 0.15  | 1    | Pass |
| 7/24/2020 12:04 PM | PumpEng1 | % | 0 | -0.16  | -0.16 | 0    | 26.8 | 26.743 | -0.06 | -0.21 | 0    | -0.16 | 1    | Pass |
| 7/24/2020 12:04 PM | PumpEng4 | % | 0 | -0.045 | -0.05 | 0.01 | 26   | 26.033 | 0.03  | 0.13  | 0.01 | -0.05 | 1    | Pass |
| 7/24/2020 12:04 PM | PumpEng2 | % | 0 | 0.008  | 0.01  | 0    | 26.6 | 26.5   | -0.1  | -0.38 | 0    | 0.01  | 1    | Pass |
| 7/24/2020 12:04 PM | PumpEng5 | % | 0 | -0.045 | -0.05 | 0.01 | 26.3 | 26.145 | -0.15 | -0.59 | 0.01 | -0.05 | 1    | Pass |
| 7/24/2020 12:04 PM | PumpEng3 | % | 0 | -0.063 | -0.06 | 0    | 27   | 27.038 | 0.04  | 0.14  | 0    | -0.06 | 1    | Pass |
| 7/25/2020 12:04 PM | PumpEng5 | % | 0 | -0.07  | -0.07 | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | -0.07 | 1    | Pass |
| 7/25/2020 12:04 PM | PumpEng2 | % | 0 | -0.073 | -0.07 | 0.01 | 26.6 | 26.473 | -0.13 | -0.48 | 0    | -0.07 | 1    | Pass |
| 7/25/2020 12:04 PM | PumpEng3 | % | 0 | -0.008 | -0.01 | 0    | 27   | 27.043 | 0.04  | 0.16  | 0    | -0.01 | 1    | Pass |
| 7/25/2020 12:04 PM | PumpEng4 | % | 0 | -0.125 | -0.13 | 0.01 | 26   | 26.048 | 0.05  | 0.18  | 0.01 | -0.13 | 0.99 | Pass |
| 7/25/2020 12:04 PM | PumpEng1 | % | 0 | -0.088 | -0.09 | 0    | 26.8 | 26.738 | -0.06 | -0.23 | 0    | -0.09 | 1    | Pass |
| 7/26/2020 12:04 PM | PumpEng4 | % | 0 | 0.038  | 0.04  | 0.01 | 26   | 26.04  | 0.04  | 0.15  | 0.01 | 0.04  | 1    | Pass |
| 7/26/2020 12:04 PM | PumpEng3 | % | 0 | 0.01   | 0.01  | 0    | 27   | 27.048 | 0.05  | 0.18  | 0    | 0.01  | 1    | Pass |
| 7/26/2020 12:04 PM | PumpEng1 | % | 0 | -0.04  | -0.04 | 0    | 26.8 | 26.763 | -0.04 | -0.14 | 0    | -0.04 | 1    | Pass |
| 7/26/2020 12:04 PM | PumpEng2 | % | 0 | -0.023 | -0.02 | 0.01 | 26.6 | 26.488 | -0.13 | -0.5  | 0.01 | -0.02 | 1    | Pass |
| 7/26/2020 12:04 PM | PumpEng5 | % | 0 | -0.018 | -0.02 | 0    | 26.3 | 26.16  | -0.14 | -0.53 | 0    | -0.02 | 1    | Pass |
| 7/27/2020 12:04 PM | PumpEng2 | % | 0 | 0.008  | 0.01  | 0    | 26.6 | 26.488 | -0.11 | -0.42 | 0    | 0.01  | 1    | Pass |
| 7/27/2020 12:04 PM | PumpEng3 | % | 0 | -0.038 | -0.04 | 0    | 27   | 27.05  | 0.05  | 0.19  | 0    | -0.04 | 1    | Pass |
| 7/27/2020 12:04 PM | PumpEng5 | % | 0 | -0.13  | -0.13 | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | -0.13 | 1    | Pass |
| 7/27/2020 12:04 PM | PumpEng1 | % | 0 | 0.025  | 0.03  | 0.01 | 26.8 | 26.748 | -0.05 | -0.19 | 0    | 0.03  | 1    | Pass |
| 7/27/2020 12:04 PM | PumpEng4 | % | 0 | -0.003 | 0     | 0    | 26   | 26.03  | 0.03  | 0.12  | 0.01 | 0     | 1    | Pass |
| 7/28/2020 12:04 PM | PumpEng3 | % | 0 | 0.058  | 0.06  | 0    | 27   | 27.053 | 0.05  | 0.2   | 0    | 0.06  | 1    | Pass |
| 7/28/2020 12:04 PM | PumpEng5 | % | 0 | 0.04   | 0.04  | 0    | 26.3 | 26.155 | -0.14 | -0.55 | 0.01 | 0.04  | 1.01 | Pass |
| 7/28/2020 12:04 PM | PumpEng4 | % | 0 | 0.015  | 0.02  | 0.01 | 26   | 26.053 | 0.05  | 0.2   | 0.01 | 0.02  | 1    | Pass |
| 7/28/2020 12:04 PM | PumpEng1 | % | 0 | 0.14   | 0.14  | 0    | 26.8 | 26.763 | -0.04 | -0.14 | 0.01 | 0.14  | 1.01 | Pass |
| 7/28/2020 12:04 PM | PumpEng2 | % | 0 | 0.033  | 0.03  | 0    | 26.6 | 26.508 | -0.09 | -0.35 | 0    | 0.03  | 1    | Pass |
| 7/29/2020 12:04 PM | PumpEng4 | % | 0 | 0.015  | 0.02  | 0.01 | 26   | 26.045 | 0.05  | 0.17  | 0.01 | 0.02  | 1    | Pass |
| 7/29/2020 12:04 PM | PumpEng2 | % | 0 | 0.01   | 0.01  | 0    | 26.6 | 26.493 | -0.11 | -0.4  | 0    | 0.01  | 1    | Pass |
| 7/29/2020 12:04 PM | PumpEng1 | % | 0 | 0.01   | 0.01  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.01  | 1    | Pass |
| 7/29/2020 12:04 PM | PumpEng3 | % | 0 | 0.015  | 0.02  | 0.01 | 27   | 27.05  | 0.05  | 0.19  | 0.01 | 0.02  | 1    | Pass |
| 7/29/2020 12:04 PM | PumpEng5 | % | 0 | 0.023  | 0.02  | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | 0.02  | 1.01 | Pass |
| 7/30/2020 12:04 PM | PumpEng5 | % | 0 | -0.028 | -0.03 | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | -0.03 | 1    | Pass |
| 7/30/2020 12:04 PM | PumpEng3 | % | 0 | 0.008  | 0.01  | 0    | 27   | 27.045 | 0.05  | 0.17  | 0.01 | 0.01  | 1    | Pass |
| 7/30/2020 12:04 PM | PumpEng1 | % | 0 | 0.05   | 0.05  | 0    | 26.8 | 26.765 | -0.03 | -0.13 | 0.01 | 0.05  | 1    | Pass |
| 7/30/2020 12:04 PM | PumpEng4 | % | 0 | 0.018  | 0.02  | 0.01 | 26   | 26.04  | 0.04  | 0.15  | 0.01 | 0.02  | 1    | Pass |
| 7/30/2020 12:04 PM | PumpEng2 | % | 0 | -0.01  | -0.01 | 0.01 | 26.6 | 26.508 | -0.09 | -0.35 | 0    | -0.01 | 1    | Pass |
| 7/31/2020 12:04 PM | PumpEng4 | % | 0 | 0.063  | 0.06  | 0    | 26   | 26.038 | 0.04  | 0.15  | 0.01 | 0.06  | 1    | Pass |
| 7/31/2020 12:04 PM | PumpEng3 | % | 0 | 0.12   | 0.12  | 0    | 27   | 27.043 | 0.04  | 0.16  | 0    | 0.12  | 1    | Pass |
| 7/31/2020 12:04 PM | PumpEng1 | % | 0 | 0.07   | 0.07  | 0    | 26.8 | 26.758 | -0.04 | -0.16 | 0    | 0.07  | 1    | Pass |

|                    |          |   |   |        |       |      |      |        |       |       |      |       |      |      |
|--------------------|----------|---|---|--------|-------|------|------|--------|-------|-------|------|-------|------|------|
| 7/31/2020 12:04 PM | PumpEng2 | % | 0 | 0.118  | 0.12  | 0    | 26.6 | 26.49  | -0.11 | -0.41 | 0.01 | 0.12  | 1.01 | Pass |
| 7/31/2020 12:04 PM | PumpEng5 | % | 0 | 0.148  | 0.15  | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | 0.15  | 1.01 | Pass |
| 8/1/2020 12:04 PM  | PumpEng5 | % | 0 | -0.1   | -0.1  | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | -0.1  | 1    | Pass |
| 8/1/2020 12:04 PM  | PumpEng3 | % | 0 | -0.038 | -0.04 | 0.01 | 27   | 27.055 | 0.06  | 0.2   | 0.01 | -0.04 | 1    | Pass |
| 8/1/2020 12:04 PM  | PumpEng4 | % | 0 | -0.098 | -0.1  | 0.01 | 26   | 26.035 | 0.03  | 0.13  | 0.01 | -0.1  | 0.99 | Pass |
| 8/1/2020 12:04 PM  | PumpEng1 | % | 0 | -0.11  | -0.11 | 0    | 26.8 | 26.753 | -0.05 | -0.18 | 0    | -0.11 | 1    | Pass |
| 8/1/2020 12:04 PM  | PumpEng2 | % | 0 | -0.048 | -0.05 | 0    | 26.6 | 26.478 | -0.12 | -0.46 | 0    | -0.05 | 1    | Pass |
| 8/2/2020 12:04 PM  | PumpEng3 | % | 0 | 0.073  | 0.07  | 0.01 | 27   | 27.05  | 0.05  | 0.19  | 0.01 | 0.07  | 1    | Pass |
| 8/2/2020 12:04 PM  | PumpEng2 | % | 0 | 0.093  | 0.09  | 0    | 26.6 | 26.5   | -0.1  | -0.38 | 0.01 | 0.09  | 1.01 | Pass |
| 8/2/2020 12:04 PM  | PumpEng1 | % | 0 | -0.025 | -0.03 | 0.01 | 26.8 | 26.755 | -0.05 | -0.17 | 0.01 | -0.03 | 1    | Pass |
| 8/2/2020 12:04 PM  | PumpEng5 | % | 0 | 0.12   | 0.12  | 0    | 26.3 | 26.153 | -0.15 | -0.56 | 0    | 0.12  | 1.01 | Pass |
| 8/2/2020 12:04 PM  | PumpEng4 | % | 0 | 0.185  | 0.19  | 0.01 | 26   | 26.033 | 0.03  | 0.13  | 0    | 0.19  | 1.01 | Pass |
| 8/3/2020 12:04 PM  | PumpEng1 | % | 0 | 0.048  | 0.05  | 0    | 26.8 | 26.745 | -0.05 | -0.21 | 0.01 | 0.05  | 1    | Pass |
| 8/3/2020 12:04 PM  | PumpEng4 | % | 0 | -0.105 | -0.11 | 0.01 | 26   | 26.015 | 0.01  | 0.06  | 0.01 | -0.11 | 1    | Pass |
| 8/3/2020 12:04 PM  | PumpEng2 | % | 0 | -0.078 | -0.08 | 0.01 | 26.6 | 26.5   | -0.1  | -0.38 | 0.01 | -0.08 | 1    | Pass |
| 8/3/2020 12:04 PM  | PumpEng3 | % | 0 | -0.058 | -0.06 | 0    | 27   | 27.04  | 0.04  | 0.15  | 0    | -0.06 | 1    | Pass |
| 8/3/2020 12:04 PM  | PumpEng5 | % | 0 | -0.093 | -0.09 | 0    | 26.3 | 26.155 | -0.14 | -0.55 | 0.01 | -0.09 | 1    | Pass |
| 8/4/2020 12:04 PM  | PumpEng5 | % | 0 | 0.458  | 0.46  | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | 0.46  | 1.02 | Pass |
| 8/4/2020 12:04 PM  | PumpEng2 | % | 0 | 0.87   | 0.87  | 0    | 26.6 | 26.485 | -0.11 | -0.43 | 0.01 | 0.87  | 1.04 | Pass |
| 8/4/2020 12:04 PM  | PumpEng3 | % | 0 | 0.465  | 0.47  | 0.01 | 27   | 27.053 | 0.05  | 0.2   | 0    | 0.47  | 1.02 | Pass |
| 8/4/2020 12:04 PM  | PumpEng4 | % | 0 | 0.73   | 0.73  | 0.01 | 26   | 26.035 | 0.03  | 0.13  | 0.01 | 0.73  | 1.03 | Pass |
| 8/4/2020 12:04 PM  | PumpEng1 | % | 0 | 4.183  | 4.18  | 0.01 | 26.8 | 26.743 | -0.06 | -0.21 | 0    | 4.18  | 1.19 | Fail |
| 8/5/2020 12:04 PM  | PumpEng4 | % | 0 | -0.738 | -0.74 | 0    | 26   | 26.033 | 0.03  | 0.13  | 0.01 | -0.74 | 0.97 | Pass |
| 8/5/2020 12:04 PM  | PumpEng3 | % | 0 | -0.348 | -0.35 | 0    | 27   | 27.043 | 0.04  | 0.16  | 0    | -0.35 | 0.99 | Pass |
| 8/5/2020 12:04 PM  | PumpEng1 | % | 0 | -5.535 | -5.54 | 0.01 | 26.8 | 26.758 | -0.04 | -0.16 | 0    | -5.54 | 0.83 | Fail |
| 8/5/2020 12:04 PM  | PumpEng2 | % | 0 | -1.028 | -1.03 | 0.01 | 26.6 | 26.48  | -0.12 | -0.45 | 0.01 | -1.03 | 0.97 | Pass |
| 8/5/2020 12:04 PM  | PumpEng5 | % | 0 | -0.42  | -0.42 | 0    | 26.3 | 26.155 | -0.14 | -0.55 | 0.01 | -0.42 | 0.99 | Pass |
| 8/5/2020 1:03 PM   | PumpEng1 | % | 0 | -0.013 | -0.01 | 0    | 26.8 | 26.74  | -0.06 | -0.22 | 0    | -0.01 | 1    | Pass |
| 8/6/2020 12:04 PM  | PumpEng2 | % | 0 | 0.048  | 0.05  | 0    | 26.6 | 26.473 | -0.13 | -0.48 | 0.01 | 0.05  | 1.01 | Pass |
| 8/6/2020 12:04 PM  | PumpEng1 | % | 0 | 0.255  | 0.26  | 0.01 | 26.8 | 26.75  | -0.05 | -0.19 | 0.01 | 0.26  | 1.01 | Pass |
| 8/6/2020 12:04 PM  | PumpEng5 | % | 0 | -0.055 | -0.06 | 0.01 | 26.3 | 26.15  | -0.15 | -0.57 | 0    | -0.06 | 1    | Pass |
| 8/6/2020 12:04 PM  | PumpEng3 | % | 0 | -0.085 | -0.09 | 0.01 | 27   | 27.04  | 0.04  | 0.15  | 0    | -0.09 | 1    | Pass |
| 8/6/2020 12:04 PM  | PumpEng4 | % | 0 | 0.028  | 0.03  | 0    | 26   | 26.035 | 0.03  | 0.13  | 0.01 | 0.03  | 1    | Pass |
| 8/7/2020 12:04 PM  | PumpEng2 | % | 0 | -0.66  | -0.66 | 0.02 | 26.6 | 26.588 | -0.01 | -0.05 | 0.26 | -0.66 | 0.98 | Pass |
| 8/7/2020 12:04 PM  | PumpEng1 | % | 0 | 0.373  | 0.37  | 0    | 26.8 | 26.748 | -0.05 | -0.19 | 0    | 0.37  | 1.02 | Pass |
| 8/7/2020 12:04 PM  | PumpEng5 | % | 0 | 0      | 0     | 0    | 26.3 | 26.155 | -0.14 | -0.55 | 0.01 | 0     | 1.01 | Pass |
| 8/7/2020 12:04 PM  | PumpEng3 | % | 0 | 0.17   | 0.17  | 0    | 27   | 27.035 | 0.03  | 0.13  | 0.01 | 0.17  | 1.01 | Pass |
| 8/7/2020 12:04 PM  | PumpEng4 | % | 0 | -0.018 | -0.02 | 0    | 26   | 26.043 | 0.04  | 0.17  | 0.01 | -0.02 | 1    | Pass |
| 8/8/2020 12:04 PM  | PumpEng3 | % | 0 | 0.075  | 0.08  | 0.01 | 27   | 27.04  | 0.04  | 0.15  | 0    | 0.08  | 1    | Pass |
| 8/8/2020 12:04 PM  | PumpEng5 | % | 0 | 0.08   | 0.08  | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | 0.08  | 1.01 | Pass |
| 8/8/2020 12:04 PM  | PumpEng4 | % | 0 | 0.05   | 0.05  | 0.01 | 26   | 26.048 | 0.05  | 0.18  | 0    | 0.05  | 1    | Pass |
| 8/8/2020 12:04 PM  | PumpEng1 | % | 0 | 0.208  | 0.21  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.21  | 1.01 | Pass |
| 8/8/2020 12:04 PM  | PumpEng2 | % | 0 | 0.39   | 0.39  | 0.03 | 26.6 | 26.355 | -0.25 | -0.92 | 0.03 | 0.39  | 1.02 | Pass |
| 8/9/2020 12:04 PM  | PumpEng4 | % | 0 | 0.018  | 0.02  | 0    | 26   | 26.035 | 0.03  | 0.13  | 0.01 | 0.02  | 1    | Pass |
| 8/9/2020 12:04 PM  | PumpEng2 | % | 0 | -0.215 | -0.22 | 0.08 | 26.6 | 26.223 | -0.38 | -1.42 | 0.1  | -0.22 | 1.01 | Pass |
| 8/9/2020 12:04 PM  | PumpEng5 | % | 0 | 0.025  | 0.03  | 0.01 | 26.3 | 26.16  | -0.14 | -0.53 | 0    | 0.03  | 1.01 | Pass |
| 8/9/2020 12:04 PM  | PumpEng1 | % | 0 | 0.04   | 0.04  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.04  | 1    | Pass |
| 8/9/2020 12:04 PM  | PumpEng3 | % | 0 | 0.018  | 0.02  | 0    | 27   | 27.04  | 0.04  | 0.15  | 0    | 0.02  | 1    | Pass |
| 8/10/2020 12:04 PM | PumpEng5 | % | 0 | -0.03  | -0.03 | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | -0.03 | 1    | Pass |
| 8/10/2020 12:04 PM | PumpEng2 | % | 0 | -0.33  | -0.33 | 0.47 | 26.6 | 26.043 | -0.56 | -2.09 | 0.35 | -0.33 | 1.01 | Pass |
| 8/10/2020 12:04 PM | PumpEng4 | % | 0 | -0.048 | -0.05 | 0    | 26   | 26.05  | 0.05  | 0.19  | 0.01 | -0.05 | 1    | Pass |
| 8/10/2020 12:04 PM | PumpEng3 | % | 0 | 0.01   | 0.01  | 0    | 27   | 27.05  | 0.05  | 0.19  | 0    | 0.01  | 1    | Pass |
| 8/10/2020 12:04 PM | PumpEng1 | % | 0 | 0.023  | 0.02  | 0    | 26.8 | 26.758 | -0.04 | -0.16 | 0    | 0.02  | 1    | Pass |
| 8/11/2020 12:04 PM | PumpEng4 | % | 0 | 0.07   | 0.07  | 0    | 26   | 26.045 | 0.05  | 0.17  | 0.02 | 0.07  | 1    | Pass |
| 8/11/2020 12:04 PM | PumpEng3 | % | 0 | 0.033  | 0.03  | 0    | 27   | 27.043 | 0.04  | 0.16  | 0    | 0.03  | 1    | Pass |
| 8/11/2020 12:04 PM | PumpEng1 | % | 0 | 0.215  | 0.22  | 0.01 | 26.8 | 26.763 | -0.04 | -0.14 | 0.01 | 0.22  | 1.01 | Pass |
| 8/11/2020 12:04 PM | PumpEng2 | % | 0 | 0.038  | 0.04  | 0.02 | 26.6 | 26.433 | -0.17 | -0.63 | 0.01 | 0.04  | 1.01 | Pass |
| 8/11/2020 12:04 PM | PumpEng5 | % | 0 | 0.05   | 0.05  | 0    | 26.3 | 26.16  | -0.14 | -0.53 | 0.01 | 0.05  | 1.01 | Pass |
| 8/12/2020 12:04 PM | PumpEng2 | % | 0 | -0.018 | -0.02 | 0.04 | 26.6 | 26.438 | -0.16 | -0.61 | 0.03 | -0.02 | 1.01 | Pass |
| 8/12/2020 12:04 PM | PumpEng1 | % | 0 | -0.143 | -0.14 | 0    | 26.8 | 26.743 | -0.06 | -0.21 | 0    | -0.14 | 1    | Pass |
| 8/12/2020 12:04 PM | PumpEng5 | % | 0 | -0.025 | -0.03 | 0.01 | 26.3 | 26.163 | -0.14 | -0.52 | 0    | -0.03 | 1    | Pass |
| 8/12/2020 12:04 PM | PumpEng3 | % | 0 | 0.045  | 0.05  | 0.01 | 27   | 27.05  | 0.05  | 0.19  | 0    | 0.05  | 1    | Pass |
| 8/12/2020 12:04 PM | PumpEng4 | % | 0 | -0.005 | -0.01 | 0.01 | 26   | 26.045 | 0.05  | 0.17  | 0.01 | -0.01 | 1    | Pass |
| 8/13/2020 12:04 PM | PumpEng3 | % | 0 | 0.025  | 0.03  | 0.01 | 27   | 27.033 | 0.03  | 0.12  | 0    | 0.03  | 1    | Pass |
| 8/13/2020 12:04 PM | PumpEng5 | % | 0 | 0.108  | 0.11  | 0    | 26.3 | 26.145 | -0.15 | -0.59 | 0.01 | 0.11  | 1.01 | Pass |
| 8/13/2020 12:04 PM | PumpEng4 | % | 0 | 0.098  | 0.1   | 0    | 26   | 26.04  | 0.04  | 0.15  | 0.01 | 0.1   | 1    | Pass |
| 8/13/2020 12:04 PM | PumpEng1 | % | 0 | 0.425  | 0.43  | 0.01 | 26.8 | 26.728 | -0.07 | -0.27 | 0    | 0.43  | 1.02 | Pass |
| 8/13/2020 12:04 PM | PumpEng2 | % | 0 | 0.195  | 0.2   | 0.01 | 26.6 | 26.45  | -0.15 | -0.56 | 0.02 | 0.2   | 1.01 | Pass |
| 8/14/2020 12:04 PM | PumpEng1 | % | 0 | -0.368 | -0.37 | 0    | 26.8 | 26.753 | -0.05 | -0.18 | 0    | -0.37 | 0.99 | Pass |
| 8/14/2020 12:04 PM | PumpEng4 | % | 0 | -0.19  | -0.19 | 0    | 26   | 26.04  | 0.04  | 0.15  | 0.01 | -0.19 | 0.99 | Pass |
| 8/14/2020 12:04 PM | PumpEng3 | % | 0 | -0.013 | -0.01 | 0    | 27   | 27.03  | 0.03  | 0.11  | 0    | -0.01 | 1    | Pass |
| 8/14/2020 12:04 PM | PumpEng2 | % | 0 | -0.13  | -0.13 | 0.01 | 26.6 | 26.42  | -0.18 | -0.68 | 0.01 | -0.13 | 1    | Pass |
| 8/14/2020 12:04 PM | PumpEng5 | % | 0 | -0.12  | -0.12 | 0    | 26.3 | 26.153 | -0.15 | -0.56 | 0    | -0.12 | 1    | Pass |
| 8/15/2020 12:04 PM | PumpEng1 | % | 0 | 0.05   | 0.05  | 0    | 26.8 | 26.758 | -0.04 | -0.16 | 0    | 0.05  | 1    | Pass |
| 8/15/2020 12:04 PM | PumpEng2 | % | 0 | -0.01  | -0.01 | 0.02 | 26.6 | 26.438 | -0.16 | -0.61 | 0.01 | -0.01 | 1.01 | Pass |
| 8/15/2020 12:04 PM | PumpEng4 | % | 0 | -0.015 | -0.02 | 0.01 | 26   | 26.048 | 0.05  | 0.18  | 0.01 | -0.02 | 1    | Pass |
| 8/15/2020 12:04 PM | PumpEng5 | % | 0 | -0.105 | -0.11 | 0.01 | 26.3 | 26.15  | -0.15 | -0.57 | 0.01 | -0.11 | 1    | Pass |
| 8/15/2020 12:04 PM | PumpEng3 | % | 0 | -0.063 | -0.06 | 0    | 27   | 27.04  | 0.04  | 0.15  | 0    | -0.06 | 1    | Pass |
| 8/16/2020 12:04 PM | PumpEng3 | % | 0 | 0.105  | 0.11  | 0.01 | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.11  | 1    | Pass |
| 8/16/2020 12:04 PM | PumpEng4 | % | 0 | 0.228  | 0.23  | 0    | 26   | 26.04  | 0.04  | 0.15  | 0.01 | 0.23  | 1.01 | Pass |
| 8/16/2020 12:04 PM | PumpEng1 | % | 0 | 1.06   | 1.06  | 0.01 | 26.8 | 26.733 | -0.07 | -0.25 | 0    | 1.06  | 1.04 | Pass |
| 8/16/2020 12:04 PM | PumpEng2 | % | 0 | 0.403  | 0.4   | 0.02 | 26.6 | 26.413 | -0.19 | -0.7  | 0.03 | 0.4   | 1.02 | Pass |



|                    |          |   |   |        |       |      |      |        |       |       |      |       |      |      |
|--------------------|----------|---|---|--------|-------|------|------|--------|-------|-------|------|-------|------|------|
| 8/16/2020 12:04 PM | PumpEng5 | % | 0 | 0.22   | 0.22  | 0    | 26.3 | 26.145 | -0.15 | -0.59 | 0.01 | 0.22  | 1.01 | Pass |
| 8/17/2020 12:04 PM | PumpEng2 | % | 0 | -0.51  | -0.51 | 0.05 | 26.6 | 26.363 | -0.24 | -0.89 | 0.05 | -0.51 | 0.99 | Pass |
| 8/17/2020 12:04 PM | PumpEng1 | % | 0 | -1.213 | -1.21 | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | -1.21 | 0.96 | Pass |
| 8/17/2020 12:04 PM | PumpEng3 | % | 0 | -0.043 | -0.04 | 0    | 27   | 27.035 | 0.03  | 0.13  | 0.01 | -0.04 | 1    | Pass |
| 8/17/2020 12:04 PM | PumpEng5 | % | 0 | -0.108 | -0.11 | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | -0.11 | 1    | Pass |
| 8/17/2020 12:04 PM | PumpEng4 | % | 0 | -0.098 | -0.1  | 0    | 26   | 26.048 | 0.05  | 0.18  | 0.01 | -0.1  | 0.99 | Pass |
| 8/18/2020 12:04 PM | PumpEng4 | % | 0 | -0.148 | -0.15 | 0    | 26   | 26.055 | 0.06  | 0.21  | 0.01 | -0.15 | 0.99 | Pass |
| 8/18/2020 12:04 PM | PumpEng3 | % | 0 | 0.005  | 0.01  | 0.01 | 27   | 27.04  | 0.04  | 0.15  | 0    | 0.01  | 1    | Pass |
| 8/18/2020 12:04 PM | PumpEng5 | % | 0 | 0.003  | 0     | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | 0     | 1.01 | Pass |
| 8/18/2020 12:04 PM | PumpEng2 | % | 0 | 0.053  | 0.05  | 0.12 | 26.6 | 26.21  | -0.39 | -1.47 | 0.16 | 0.05  | 1.02 | Pass |
| 8/18/2020 12:04 PM | PumpEng1 | % | 0 | -0.06  | -0.06 | 0    | 26.8 | 26.733 | -0.07 | -0.25 | 0    | -0.06 | 1    | Pass |
| 8/19/2020 12:04 PM | PumpEng1 | % | 0 | 0.115  | 0.12  | 0.01 | 26.8 | 26.735 | -0.06 | -0.24 | 0.01 | 0.12  | 1.01 | Pass |
| 8/19/2020 12:04 PM | PumpEng4 | % | 0 | 0.205  | 0.21  | 0.01 | 26   | 26.04  | 0.04  | 0.15  | 0.01 | 0.21  | 1.01 | Pass |
| 8/19/2020 12:04 PM | PumpEng2 | % | 0 | -0.02  | -0.02 | 0.05 | 26.6 | 26.25  | -0.35 | -1.32 | 0.16 | -0.02 | 1.01 | Pass |
| 8/19/2020 12:04 PM | PumpEng5 | % | 0 | 0.013  | 0.01  | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | 0.01  | 1.01 | Pass |
| 8/19/2020 12:04 PM | PumpEng3 | % | 0 | -0.053 | -0.05 | 0    | 27   | 27.03  | 0.03  | 0.11  | 0    | -0.05 | 1    | Pass |
| 8/20/2020 12:04 PM | PumpEng5 | % | 0 | -0.085 | -0.09 | 0.01 | 26.3 | 26.15  | -0.15 | -0.57 | 0    | -0.09 | 1    | Pass |
| 8/20/2020 12:04 PM | PumpEng2 | % | 0 | -0.108 | -0.11 | 0.01 | 26.6 | 26.42  | -0.18 | -0.68 | 0.02 | -0.11 | 1    | Pass |
| 8/20/2020 12:04 PM | PumpEng3 | % | 0 | 0.025  | 0.03  | 0.01 | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.03  | 1    | Pass |
| 8/20/2020 12:04 PM | PumpEng4 | % | 0 | -0.095 | -0.1  | 0.01 | 26   | 26.048 | 0.05  | 0.18  | 0.01 | -0.1  | 0.99 | Pass |
| 8/20/2020 12:04 PM | PumpEng1 | % | 0 | 0.103  | 0.1   | 0    | 26.8 | 26.758 | -0.04 | -0.16 | 0    | 0.1   | 1.01 | Pass |
| 8/21/2020 12:04 PM | PumpEng3 | % | 0 | 0.03   | 0.03  | 0.01 | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.03  | 1    | Pass |
| 8/21/2020 12:04 PM | PumpEng4 | % | 0 | 0.053  | 0.05  | 0.01 | 26   | 26.038 | 0.04  | 0.15  | 0    | 0.05  | 1    | Pass |
| 8/21/2020 12:04 PM | PumpEng1 | % | 0 | 0.165  | 0.17  | 0.01 | 26.8 | 26.753 | -0.05 | -0.18 | 0    | 0.17  | 1.01 | Pass |
| 8/21/2020 12:04 PM | PumpEng5 | % | 0 | 0.04   | 0.04  | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | 0.04  | 1.01 | Pass |
| 8/21/2020 12:04 PM | PumpEng2 | % | 0 | 0.03   | 0.03  | 0.01 | 26.6 | 26.415 | -0.18 | -0.7  | 0.01 | 0.03  | 1.01 | Pass |
| 8/22/2020 12:04 PM | PumpEng2 | % | 0 | -0.165 | -0.17 | 0.17 | 26.6 | 26.45  | -0.15 | -0.56 | 0.41 | -0.17 | 1    | Pass |
| 8/22/2020 12:04 PM | PumpEng1 | % | 0 | 0.103  | 0.1   | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.1   | 1.01 | Pass |
| 8/22/2020 12:04 PM | PumpEng5 | % | 0 | 0.05   | 0.05  | 0    | 26.3 | 26.16  | -0.14 | -0.53 | 0    | 0.05  | 1.01 | Pass |
| 8/22/2020 12:04 PM | PumpEng3 | % | 0 | 0.065  | 0.07  | 0.01 | 27   | 27.04  | 0.04  | 0.15  | 0    | 0.07  | 1    | Pass |
| 8/22/2020 12:04 PM | PumpEng4 | % | 0 | 0.013  | 0.01  | 0    | 26   | 26.04  | 0.04  | 0.15  | 0.01 | 0.01  | 1    | Pass |
| 8/23/2020 12:04 PM | PumpEng1 | % | 0 | 0      | 0     | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0     | 1    | Pass |
| 8/23/2020 12:04 PM | PumpEng4 | % | 0 | 0.05   | 0.05  | 0.01 | 26   | 26.045 | 0.05  | 0.17  | 0.01 | 0.05  | 1    | Pass |
| 8/23/2020 12:04 PM | PumpEng5 | % | 0 | 0.03   | 0.03  | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | 0.03  | 1.01 | Pass |
| 8/23/2020 12:04 PM | PumpEng3 | % | 0 | 0.015  | 0.02  | 0.01 | 27   | 27.045 | 0.05  | 0.17  | 0.01 | 0.02  | 1    | Pass |
| 8/23/2020 12:04 PM | PumpEng2 | % | 0 | 0.08   | 0.08  | 0    | 26.6 | 26.435 | -0.17 | -0.62 | 0.02 | 0.08  | 1.01 | Pass |
| 8/24/2020 12:04 PM | PumpEng1 | % | 0 | -0.205 | -0.21 | 0.01 | 26.8 | 26.753 | -0.05 | -0.18 | 0    | -0.21 | 0.99 | Pass |
| 8/24/2020 12:04 PM | PumpEng4 | % | 0 | -0.03  | -0.03 | 0    | 26   | 26.05  | 0.05  | 0.19  | 0.01 | -0.03 | 1    | Pass |
| 8/24/2020 12:04 PM | PumpEng2 | % | 0 | -0.03  | -0.03 | 0.02 | 26.6 | 26.44  | -0.16 | -0.6  | 0.02 | -0.03 | 1    | Pass |
| 8/24/2020 12:04 PM | PumpEng5 | % | 0 | -0.01  | -0.01 | 0    | 26.3 | 26.16  | -0.14 | -0.53 | 0    | -0.01 | 1    | Pass |
| 8/24/2020 12:04 PM | PumpEng3 | % | 0 | 0.058  | 0.06  | 0    | 27   | 27.05  | 0.05  | 0.19  | 0    | 0.06  | 1    | Pass |
| 8/25/2020 12:04 PM | PumpEng5 | % | 0 | -0.073 | -0.07 | 0    | 26.3 | 26.16  | -0.14 | -0.53 | 0.01 | -0.07 | 1    | Pass |
| 8/25/2020 12:04 PM | PumpEng2 | % | 0 | 0.01   | 0.01  | 0.01 | 26.6 | 26.455 | -0.15 | -0.55 | 0.01 | 0.01  | 1.01 | Pass |
| 8/25/2020 12:04 PM | PumpEng3 | % | 0 | -0.028 | -0.03 | 0    | 27   | 27.038 | 0.04  | 0.14  | 0    | -0.03 | 1    | Pass |
| 8/25/2020 12:04 PM | PumpEng4 | % | 0 | -0.033 | -0.03 | 0    | 26   | 26.04  | 0.04  | 0.15  | 0.01 | -0.03 | 1    | Pass |
| 8/25/2020 12:04 PM | PumpEng1 | % | 0 | 0.085  | 0.09  | 0.01 | 26.8 | 26.76  | -0.04 | -0.15 | 0    | 0.09  | 1    | Pass |
| 8/26/2020 12:04 PM | PumpEng3 | % | 0 | -0.07  | -0.07 | 0    | 27   | 27.023 | 0.02  | 0.09  | 0    | -0.07 | 1    | Pass |
| 8/26/2020 12:04 PM | PumpEng4 | % | 0 | 0.013  | 0.01  | 0.01 | 26   | 26.035 | 0.03  | 0.13  | 0.01 | 0.01  | 1    | Pass |
| 8/26/2020 12:04 PM | PumpEng1 | % | 0 | -0.078 | -0.08 | 0    | 26.8 | 26.758 | -0.04 | -0.16 | 0    | -0.08 | 1    | Pass |
| 8/26/2020 12:04 PM | PumpEng2 | % | 0 | -0.01  | -0.01 | 0    | 26.6 | 26.44  | -0.16 | -0.6  | 0.01 | -0.01 | 1.01 | Pass |
| 8/26/2020 12:04 PM | PumpEng5 | % | 0 | 0      | 0     | 0    | 26.3 | 26.145 | -0.15 | -0.59 | 0.01 | 0     | 1.01 | Pass |
| 8/27/2020 12:04 PM | PumpEng2 | % | 0 | 0.055  | 0.06  | 0.01 | 26.6 | 26.43  | -0.17 | -0.64 | 0.01 | 0.06  | 1.01 | Pass |
| 8/27/2020 12:04 PM | PumpEng1 | % | 0 | 0.198  | 0.2   | 0    | 26.8 | 26.76  | -0.04 | -0.15 | 0    | 0.2   | 1.01 | Pass |
| 8/27/2020 12:04 PM | PumpEng5 | % | 0 | 0.005  | 0.01  | 0.01 | 26.3 | 26.158 | -0.14 | -0.54 | 0    | 0.01  | 1.01 | Pass |
| 8/27/2020 12:04 PM | PumpEng3 | % | 0 | 0.075  | 0.08  | 0.01 | 27   | 27.035 | 0.03  | 0.13  | 0.01 | 0.08  | 1    | Pass |
| 8/27/2020 12:04 PM | PumpEng4 | % | 0 | 0.02   | 0.02  | 0    | 26   | 26.045 | 0.05  | 0.17  | 0.01 | 0.02  | 1    | Pass |
| 8/28/2020 12:04 PM | PumpEng3 | % | 0 | 0.038  | 0.04  | 0    | 27   | 27.04  | 0.04  | 0.15  | 0    | 0.04  | 1    | Pass |
| 8/28/2020 12:04 PM | PumpEng5 | % | 0 | 0.033  | 0.03  | 0    | 26.3 | 26.16  | -0.14 | -0.53 | 0    | 0.03  | 1.01 | Pass |
| 8/28/2020 12:04 PM | PumpEng4 | % | 0 | -0.008 | -0.01 | 0    | 26   | 26.035 | 0.03  | 0.13  | 0.01 | -0.01 | 1    | Pass |
| 8/28/2020 12:04 PM | PumpEng2 | % | 0 | -0.05  | -0.05 | 0.01 | 26.6 | 26.44  | -0.16 | -0.6  | 0.01 | -0.05 | 1    | Pass |
| 8/28/2020 12:04 PM | PumpEng1 | % | 0 | 0.015  | 0.02  | 0.01 | 26.8 | 26.753 | -0.05 | -0.18 | 0.01 | 0.02  | 1    | Pass |
| 8/29/2020 12:04 PM | PumpEng1 | % | 0 | 0.185  | 0.19  | 0.01 | 26.8 | 26.728 | -0.07 | -0.27 | 0    | 0.19  | 1.01 | Pass |
| 8/29/2020 12:04 PM | PumpEng4 | % | 0 | 0.16   | 0.16  | 0.01 | 26   | 26.045 | 0.05  | 0.17  | 0.01 | 0.16  | 1    | Pass |
| 8/29/2020 12:04 PM | PumpEng2 | % | 0 | 0.178  | 0.18  | 0    | 26.6 | 26.458 | -0.14 | -0.53 | 0.01 | 0.18  | 1.01 | Pass |
| 8/29/2020 12:04 PM | PumpEng5 | % | 0 | 0.14   | 0.14  | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | 0.14  | 1.01 | Pass |
| 8/29/2020 12:04 PM | PumpEng3 | % | 0 | 0.1    | 0.1   | 0    | 27   | 27.033 | 0.03  | 0.12  | 0    | 0.1   | 1    | Pass |
| 8/30/2020 12:04 PM | PumpEng5 | % | 0 | -0.123 | -0.12 | 0    | 26.3 | 26.153 | -0.15 | -0.56 | 0    | -0.12 | 1    | Pass |
| 8/30/2020 12:04 PM | PumpEng2 | % | 0 | -0.16  | -0.16 | 0.01 | 26.6 | 26.47  | -0.13 | -0.49 | 0    | -0.16 | 1    | Pass |
| 8/30/2020 12:04 PM | PumpEng3 | % | 0 | -0.093 | -0.09 | 0    | 27   | 27.033 | 0.03  | 0.12  | 0    | -0.09 | 1    | Pass |
| 8/30/2020 12:04 PM | PumpEng1 | % | 0 | -0.533 | -0.53 | 0.01 | 26.8 | 26.74  | -0.06 | -0.22 | 0    | -0.53 | 0.98 | Pass |
| 8/30/2020 12:04 PM | PumpEng4 | % | 0 | -0.155 | -0.16 | 0.01 | 26   | 26.038 | 0.04  | 0.15  | 0.01 | -0.16 | 0.99 | Pass |
| 8/31/2020 12:04 PM | PumpEng3 | % | 0 | -0.023 | -0.02 | 0    | 27   | 27.028 | 0.03  | 0.1   | 0    | -0.02 | 1    | Pass |
| 8/31/2020 12:04 PM | PumpEng4 | % | 0 | -0.018 | -0.02 | 0    | 26   | 26.043 | 0.04  | 0.17  | 0.01 | -0.02 | 1    | Pass |
| 8/31/2020 12:04 PM | PumpEng1 | % | 0 | 0      | 0     | 0    | 26.8 | 26.753 | -0.05 | -0.18 | 0    | 0     | 1    | Pass |
| 8/31/2020 12:04 PM | PumpEng2 | % | 0 | 0.003  | 0     | 0    | 26.6 | 26.45  | -0.15 | -0.56 | 0    | 0     | 1.01 | Pass |
| 8/31/2020 12:04 PM | PumpEng5 | % | 0 | -0.05  | -0.05 | 0    | 26.3 | 26.148 | -0.15 | -0.58 | 0    | -0.05 | 1    | Pass |
| 9/1/2020 12:04 PM  | PumpEng2 | % | 0 | 0.11   | 0.11  | 0.01 | 26.6 | 26.46  | -0.14 | -0.53 | 0.01 | 0.11  | 1.01 | Pass |
| 9/1/2020 12:04 PM  | PumpEng1 | % | 0 | 0.37   | 0.37  | 0.01 | 26.8 | 26.74  | -0.06 | -0.22 | 0    | 0.37  | 1.02 | Pass |
| 9/1/2020 12:04 PM  | PumpEng5 | % | 0 | 0.145  | 0.15  | 0.01 | 26.3 | 26.153 | -0.15 | -0.56 | 0    | 0.15  | 1.01 | Pass |
| 9/1/2020 12:04 PM  | PumpEng3 | % | 0 | 0.08   | 0.08  | 0    | 27   | 27.025 | 0.02  | 0.09  | 0.01 | 0.08  | 1    | Pass |
| 9/1/2020 12:04 PM  | PumpEng4 | % | 0 | 0.188  | 0.19  | 0    | 26   | 26.033 | 0.03  | 0.13  | 0    | 0.19  | 1.01 | Pass |
| 9/2/2020 12:04 PM  | PumpEng3 | % | 0 | 0.2    | 0.2   | 0    | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.2   | 1.01 | Pass |

|                    |          |   |   |        |       |      |      |        |       |       |      |       |      |      |
|--------------------|----------|---|---|--------|-------|------|------|--------|-------|-------|------|-------|------|------|
| 9/2/2020 12:04 PM  | PumpEng5 | % | 0 | 0.08   | 0.08  | 0    | 26.3 | 26.153 | -0.15 | -0.56 | 0.01 | 0.08  | 1.01 | Pass |
| 9/2/2020 12:04 PM  | PumpEng4 | % | 0 | 0.098  | 0.1   | 0    | 26   | 26.035 | 0.03  | 0.13  | 0.01 | 0.1   | 1    | Pass |
| 9/2/2020 12:04 PM  | PumpEng1 | % | 0 | -0.065 | -0.07 | 0.01 | 26.8 | 26.73  | -0.07 | -0.26 | 0    | -0.07 | 1    | Pass |
| 9/2/2020 12:04 PM  | PumpEng2 | % | 0 | 0.168  | 0.17  | 0.01 | 26.6 | 26.473 | -0.13 | -0.48 | 0.01 | 0.17  | 1.01 | Pass |
| 9/3/2020 12:04 PM  | PumpEng1 | % | 0 | -0.19  | -0.19 | 0    | 26.8 | 26.74  | -0.06 | -0.22 | 0    | -0.19 | 1    | Pass |
| 9/3/2020 12:04 PM  | PumpEng4 | % | 0 | -0.448 | -0.45 | 0    | 26   | 26.043 | 0.04  | 0.17  | 0    | -0.45 | 0.98 | Pass |
| 9/3/2020 12:04 PM  | PumpEng2 | % | 0 | -0.303 | -0.3  | 0    | 26.6 | 26.44  | -0.16 | -0.6  | 0.01 | -0.3  | 0.99 | Pass |
| 9/3/2020 12:04 PM  | PumpEng5 | % | 0 | -0.138 | -0.14 | 0    | 26.3 | 26.16  | -0.14 | -0.53 | 0    | -0.14 | 1    | Pass |
| 9/3/2020 12:04 PM  | PumpEng3 | % | 0 | -0.153 | -0.15 | 0    | 27   | 27.03  | 0.03  | 0.11  | 0    | -0.15 | 0.99 | Pass |
| 9/4/2020 12:04 PM  | PumpEng5 | % | 0 | 0.04   | 0.04  | 0    | 26.3 | 26.163 | -0.14 | -0.52 | 0    | 0.04  | 1.01 | Pass |
| 9/4/2020 12:04 PM  | PumpEng3 | % | 0 | 0.045  | 0.05  | 0.01 | 27   | 27.04  | 0.04  | 0.15  | 0    | 0.05  | 1    | Pass |
| 9/4/2020 12:04 PM  | PumpEng2 | % | 0 | 0.078  | 0.08  | 0.01 | 26.6 | 26.455 | -0.15 | -0.55 | 0.01 | 0.08  | 1.01 | Pass |
| 9/4/2020 12:04 PM  | PumpEng4 | % | 0 | 0.043  | 0.04  | 0.01 | 26   | 26.053 | 0.05  | 0.2   | 0.01 | 0.04  | 1    | Pass |
| 9/4/2020 12:04 PM  | PumpEng1 | % | 0 | 0.04   | 0.04  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.04  | 1    | Pass |
| 9/5/2020 12:04 PM  | PumpEng4 | % | 0 | -0.055 | -0.06 | 0.01 | 26   | 26.048 | 0.05  | 0.18  | 0    | -0.06 | 1    | Pass |
| 9/5/2020 12:04 PM  | PumpEng3 | % | 0 | -0.1   | -0.1  | 0    | 27   | 27.03  | 0.03  | 0.11  | 0    | -0.1  | 1    | Pass |
| 9/5/2020 12:04 PM  | PumpEng1 | % | 0 | -0.11  | -0.11 | 0    | 26.8 | 26.743 | -0.06 | -0.21 | 0    | -0.11 | 1    | Pass |
| 9/5/2020 12:04 PM  | PumpEng2 | % | 0 | -0.085 | -0.09 | 0.01 | 26.6 | 26.463 | -0.14 | -0.52 | 0.01 | -0.09 | 1    | Pass |
| 9/5/2020 12:04 PM  | PumpEng5 | % | 0 | -0.148 | -0.15 | 0    | 26.3 | 26.153 | -0.15 | -0.56 | 0    | -0.15 | 1    | Pass |
| 9/6/2020 12:04 PM  | PumpEng2 | % | 0 | 0.028  | 0.03  | 0    | 26.6 | 26.45  | -0.15 | -0.56 | 0.01 | 0.03  | 1.01 | Pass |
| 9/6/2020 12:04 PM  | PumpEng1 | % | 0 | 0.09   | 0.09  | 0    | 26.8 | 26.758 | -0.04 | -0.16 | 0    | 0.09  | 1    | Pass |
| 9/6/2020 12:04 PM  | PumpEng5 | % | 0 | 0.025  | 0.03  | 0.01 | 26.3 | 26.153 | -0.15 | -0.56 | 0    | 0.03  | 1.01 | Pass |
| 9/6/2020 12:04 PM  | PumpEng4 | % | 0 | 0.02   | 0.02  | 0.01 | 26   | 26.045 | 0.05  | 0.17  | 0.01 | 0.02  | 1    | Pass |
| 9/6/2020 12:04 PM  | PumpEng3 | % | 0 | 0.028  | 0.03  | 0    | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.03  | 1    | Pass |
| 9/7/2020 12:04 PM  | PumpEng3 | % | 0 | 0.04   | 0.04  | 0    | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.04  | 1    | Pass |
| 9/7/2020 12:04 PM  | PumpEng5 | % | 0 | 0.05   | 0.05  | 0    | 26.3 | 26.155 | -0.14 | -0.55 | 0.01 | 0.05  | 1.01 | Pass |
| 9/7/2020 12:04 PM  | PumpEng4 | % | 0 | 0.053  | 0.05  | 0    | 26   | 26.04  | 0.04  | 0.15  | 0.01 | 0.05  | 1    | Pass |
| 9/7/2020 12:04 PM  | PumpEng1 | % | 0 | 0.11   | 0.11  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.11  | 1.01 | Pass |
| 9/7/2020 12:04 PM  | PumpEng2 | % | 0 | 0.043  | 0.04  | 0    | 26.6 | 26.443 | -0.16 | -0.59 | 0.01 | 0.04  | 1.01 | Pass |
| 9/8/2020 12:04 PM  | PumpEng4 | % | 0 | 0.023  | 0.02  | 0    | 26   | 26.055 | 0.06  | 0.21  | 0.01 | 0.02  | 1    | Pass |
| 9/8/2020 12:04 PM  | PumpEng1 | % | 0 | 0.195  | 0.2   | 0.01 | 26.8 | 26.75  | -0.05 | -0.19 | 0.01 | 0.2   | 1.01 | Pass |
| 9/8/2020 12:04 PM  | PumpEng2 | % | 0 | 0.03   | 0.03  | 0.01 | 26.6 | 26.443 | -0.16 | -0.59 | 0    | 0.03  | 1.01 | Pass |
| 9/8/2020 12:04 PM  | PumpEng3 | % | 0 | 0.058  | 0.06  | 0    | 27   | 27.033 | 0.03  | 0.12  | 0    | 0.06  | 1    | Pass |
| 9/8/2020 12:04 PM  | PumpEng5 | % | 0 | 0.04   | 0.04  | 0    | 26.3 | 26.153 | -0.15 | -0.56 | 0    | 0.04  | 1.01 | Pass |
| 9/9/2020 12:04 PM  | PumpEng5 | % | 0 | 0.02   | 0.02  | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | 0.02  | 1.01 | Pass |
| 9/9/2020 12:04 PM  | PumpEng2 | % | 0 | 0.015  | 0.02  | 0.01 | 26.6 | 26.445 | -0.16 | -0.58 | 0.01 | 0.02  | 1.01 | Pass |
| 9/9/2020 12:04 PM  | PumpEng3 | % | 0 | 0.03   | 0.03  | 0    | 27   | 27.035 | 0.03  | 0.13  | 0.01 | 0.03  | 1    | Pass |
| 9/9/2020 12:04 PM  | PumpEng4 | % | 0 | 0.075  | 0.08  | 0.01 | 26   | 26.058 | 0.06  | 0.22  | 0    | 0.08  | 1    | Pass |
| 9/9/2020 12:04 PM  | PumpEng1 | % | 0 | 0.04   | 0.04  | 0    | 26.8 | 26.755 | -0.05 | -0.17 | 0.01 | 0.04  | 1    | Pass |
| 9/10/2020 12:04 PM | PumpEng1 | % | 0 | 0.023  | 0.02  | 0    | 26.8 | 26.758 | -0.04 | -0.16 | 0    | 0.02  | 1    | Pass |
| 9/10/2020 12:04 PM | PumpEng4 | % | 0 | 0.15   | 0.15  | 0    | 26   | 26.048 | 0.05  | 0.18  | 0.01 | 0.15  | 1    | Pass |
| 9/10/2020 12:04 PM | PumpEng3 | % | 0 | 0.18   | 0.18  | 0    | 27   | 27.04  | 0.04  | 0.15  | 0    | 0.18  | 1.01 | Pass |
| 9/10/2020 12:04 PM | PumpEng5 | % | 0 | 0.093  | 0.09  | 0    | 26.3 | 26.158 | -0.14 | -0.54 | 0    | 0.09  | 1.01 | Pass |
| 9/10/2020 12:04 PM | PumpEng2 | % | 0 | 0.118  | 0.12  | 0    | 26.6 | 26.465 | -0.14 | -0.51 | 0.01 | 0.12  | 1.01 | Pass |
| 9/11/2020 12:04 PM | PumpEng2 | % | 0 | -0.075 | -0.08 | 0.01 | 26.6 | 26.473 | -0.13 | -0.48 | 0.01 | -0.08 | 1    | Pass |
| 9/11/2020 12:04 PM | PumpEng1 | % | 0 | -0.588 | -0.59 | 0    | 26.8 | 26.745 | -0.05 | -0.21 | 0.01 | -0.59 | 0.98 | Pass |
| 9/11/2020 12:04 PM | PumpEng5 | % | 0 | -0.023 | -0.02 | 0    | 26.3 | 26.145 | -0.15 | -0.59 | 0.01 | -0.02 | 1.01 | Pass |
| 9/11/2020 12:04 PM | PumpEng3 | % | 0 | -0.098 | -0.1  | 0    | 27   | 27.033 | 0.03  | 0.12  | 0    | -0.1  | 1    | Pass |
| 9/11/2020 12:04 PM | PumpEng4 | % | 0 | -0.25  | -0.25 | 0.01 | 26   | 26.038 | 0.04  | 0.15  | 0.01 | -0.25 | 0.99 | Pass |
| 9/12/2020 12:04 PM | PumpEng3 | % | 0 | -0.128 | -0.13 | 0    | 27   | 27.03  | 0.03  | 0.11  | 0.01 | -0.13 | 0.99 | Pass |
| 9/12/2020 12:04 PM | PumpEng5 | % | 0 | -0.08  | -0.08 | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | -0.08 | 1    | Pass |
| 9/12/2020 12:04 PM | PumpEng4 | % | 0 | -0.028 | -0.03 | 0    | 26   | 26.04  | 0.04  | 0.15  | 0.01 | -0.03 | 1    | Pass |
| 9/12/2020 12:04 PM | PumpEng1 | % | 0 | -0.52  | -0.52 | 0    | 26.8 | 26.745 | -0.05 | -0.21 | 0.01 | -0.52 | 0.98 | Pass |
| 9/12/2020 12:04 PM | PumpEng2 | % | 0 | -0.043 | -0.04 | 0    | 26.6 | 26.448 | -0.15 | -0.57 | 0.01 | -0.04 | 1    | Pass |
| 9/13/2020 12:04 PM | PumpEng1 | % | 0 | 0.25   | 0.25  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.25  | 1.01 | Pass |
| 9/13/2020 12:04 PM | PumpEng4 | % | 0 | 0.04   | 0.04  | 0    | 26   | 26.043 | 0.04  | 0.17  | 0.01 | 0.04  | 1    | Pass |
| 9/13/2020 12:04 PM | PumpEng2 | % | 0 | 0.038  | 0.04  | 0    | 26.6 | 26.455 | -0.15 | -0.55 | 0.01 | 0.04  | 1.01 | Pass |
| 9/13/2020 12:04 PM | PumpEng5 | % | 0 | 0.01   | 0.01  | 0    | 26.3 | 26.148 | -0.15 | -0.58 | 0    | 0.01  | 1.01 | Pass |
| 9/13/2020 12:04 PM | PumpEng3 | % | 0 | 0.048  | 0.05  | 0    | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.05  | 1    | Pass |
| 9/14/2020 12:04 PM | PumpEng5 | % | 0 | 0      | 0     | 0    | 26.3 | 26.153 | -0.15 | -0.56 | 0    | 0     | 1.01 | Pass |
| 9/14/2020 12:04 PM | PumpEng1 | % | 0 | 0.36   | 0.36  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.36  | 1.02 | Pass |
| 9/14/2020 12:04 PM | PumpEng4 | % | 0 | 0.055  | 0.06  | 0.01 | 26   | 26.05  | 0.05  | 0.19  | 0.01 | 0.06  | 1    | Pass |
| 9/14/2020 12:04 PM | PumpEng3 | % | 0 | 0.04   | 0.04  | 0    | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.04  | 1    | Pass |
| 9/14/2020 12:04 PM | PumpEng2 | % | 0 | -0.015 | -0.02 | 0.01 | 26.6 | 26.45  | -0.15 | -0.56 | 0    | -0.02 | 1.01 | Pass |
| 9/15/2020 12:04 PM | PumpEng4 | % | 0 | -0.003 | 0     | 0    | 26   | 26.033 | 0.03  | 0.13  | 0.01 | 0     | 1    | Pass |
| 9/15/2020 12:04 PM | PumpEng1 | % | 0 | -0.163 | -0.16 | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | -0.16 | 1    | Pass |
| 9/15/2020 12:04 PM | PumpEng3 | % | 0 | -0.11  | -0.11 | 0    | 27   | 27.028 | 0.03  | 0.1   | 0    | -0.11 | 0.99 | Pass |
| 9/15/2020 12:04 PM | PumpEng2 | % | 0 | -0.008 | -0.01 | 0    | 26.6 | 26.455 | -0.15 | -0.55 | 0.01 | -0.01 | 1.01 | Pass |
| 9/15/2020 12:04 PM | PumpEng5 | % | 0 | -0.078 | -0.08 | 0    | 26.3 | 26.14  | -0.16 | -0.61 | 0    | -0.08 | 1    | Pass |
| 9/16/2020 12:04 PM | PumpEng1 | % | 0 | 0.07   | 0.07  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.07  | 1    | Pass |
| 9/16/2020 12:04 PM | PumpEng2 | % | 0 | 0.028  | 0.03  | 0    | 26.6 | 26.45  | -0.15 | -0.56 | 0.01 | 0.03  | 1.01 | Pass |
| 9/16/2020 12:04 PM | PumpEng5 | % | 0 | 0.06   | 0.06  | 0    | 26.3 | 26.14  | -0.16 | -0.61 | 0    | 0.06  | 1.01 | Pass |
| 9/16/2020 12:04 PM | PumpEng3 | % | 0 | 0.063  | 0.06  | 0    | 27   | 27.023 | 0.02  | 0.09  | 0    | 0.06  | 1    | Pass |
| 9/16/2020 12:04 PM | PumpEng4 | % | 0 | 0.025  | 0.03  | 0.01 | 26   | 26.038 | 0.04  | 0.15  | 0    | 0.03  | 1    | Pass |
| 9/17/2020 12:04 PM | PumpEng3 | % | 0 | 0.08   | 0.08  | 0    | 27   | 27.02  | 0.02  | 0.07  | 0    | 0.08  | 1    | Pass |
| 9/17/2020 12:04 PM | PumpEng5 | % | 0 | 0.043  | 0.04  | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | 0.04  | 1.01 | Pass |
| 9/17/2020 12:04 PM | PumpEng1 | % | 0 | 0.09   | 0.09  | 0    | 26.8 | 26.755 | -0.05 | -0.17 | 0.01 | 0.09  | 1.01 | Pass |
| 9/17/2020 12:04 PM | PumpEng4 | % | 0 | 0.03   | 0.03  | 0    | 26   | 26.035 | 0.03  | 0.13  | 0.01 | 0.03  | 1    | Pass |
| 9/17/2020 12:04 PM | PumpEng2 | % | 0 | 0.037  | 0.04  | 0.01 | 26.6 | 26.455 | -0.15 | -0.55 | 0.01 | 0.04  | 1.01 | Pass |
| 9/18/2020 12:04 PM | PumpEng1 | % | 0 | -0.02  | -0.02 | 0    | 26.8 | 26.748 | -0.05 | -0.19 | 0    | -0.02 | 1    | Pass |
| 9/18/2020 12:04 PM | PumpEng4 | % | 0 | 0.02   | 0.02  | 0.01 | 26   | 26.033 | 0.03  | 0.13  | 0    | 0.02  | 1    | Pass |
| 9/18/2020 12:04 PM | PumpEng3 | % | 0 | -0.003 | 0     | 0    | 27   | 27.023 | 0.02  | 0.09  | 0    | 0     | 1    | Pass |

|                    |          |   |   |        |       |      |      |        |       |       |      |       |      |      |
|--------------------|----------|---|---|--------|-------|------|------|--------|-------|-------|------|-------|------|------|
| 9/18/2020 12:04 PM | PumpEng5 | % | 0 | 0.02   | 0.02  | 0    | 26.3 | 26.148 | -0.15 | -0.58 | 0    | 0.02  | 1.01 | Pass |
| 9/18/2020 12:04 PM | PumpEng2 | % | 0 | -0.008 | -0.01 | 0    | 26.6 | 26.468 | -0.13 | -0.5  | 0    | -0.01 | 1    | Pass |
| 9/19/2020 12:04 PM | PumpEng2 | % | 0 | -0.08  | -0.08 | 0.01 | 26.6 | 26.418 | -0.18 | -0.68 | 0.01 | -0.08 | 1    | Pass |
| 9/19/2020 12:04 PM | PumpEng5 | % | 0 | -0.15  | -0.15 | 0    | 26.3 | 26.133 | -0.17 | -0.63 | 0    | -0.15 | 1    | Pass |
| 9/19/2020 12:04 PM | PumpEng4 | % | 0 | -0.07  | -0.07 | 0.01 | 26   | 26.048 | 0.05  | 0.18  | 0    | -0.07 | 1    | Pass |
| 9/19/2020 12:04 PM | PumpEng3 | % | 0 | -0.14  | -0.14 | 0    | 27   | 27.01  | 0.01  | 0.04  | 0    | -0.14 | 0.99 | Pass |
| 9/19/2020 12:04 PM | PumpEng1 | % | 0 | -0.128 | -0.13 | 0    | 26.8 | 26.74  | -0.06 | -0.22 | 0    | -0.13 | 1    | Pass |
| 9/20/2020 12:04 PM | PumpEng4 | % | 0 | -0.003 | 0     | 0    | 26   | 26.038 | 0.04  | 0.15  | 0    | 0     | 1    | Pass |
| 9/20/2020 12:04 PM | PumpEng3 | % | 0 | -0.028 | -0.03 | 0    | 27   | 27.01  | 0.01  | 0.04  | 0    | -0.03 | 1    | Pass |
| 9/20/2020 12:04 PM | PumpEng5 | % | 0 | -0.048 | -0.05 | 0    | 26.3 | 26.138 | -0.16 | -0.62 | 0    | -0.05 | 1    | Pass |
| 9/20/2020 12:04 PM | PumpEng2 | % | 0 | -0.088 | -0.09 | 0.02 | 26.6 | 26.405 | -0.19 | -0.73 | 0.03 | -0.09 | 1    | Pass |
| 9/20/2020 12:04 PM | PumpEng1 | % | 0 | -0.06  | -0.06 | 0    | 26.8 | 26.745 | -0.05 | -0.21 | 0.01 | -0.06 | 1    | Pass |
| 9/21/2020 12:04 PM | PumpEng2 | % | 0 | 0.138  | 0.14  | 0.01 | 26.6 | 26.408 | -0.19 | -0.72 | 0.02 | 0.14  | 1.01 | Pass |
| 9/21/2020 12:04 PM | PumpEng1 | % | 0 | 0.088  | 0.09  | 0    | 26.8 | 26.748 | -0.05 | -0.19 | 0    | 0.09  | 1.01 | Pass |
| 9/21/2020 12:04 PM | PumpEng5 | % | 0 | 0.025  | 0.03  | 0.01 | 26.3 | 26.138 | -0.16 | -0.62 | 0    | 0.03  | 1.01 | Pass |
| 9/21/2020 12:04 PM | PumpEng3 | % | 0 | 0.045  | 0.05  | 0.01 | 27   | 27.018 | 0.02  | 0.07  | 0    | 0.05  | 1    | Pass |
| 9/21/2020 12:04 PM | PumpEng4 | % | 0 | 0.025  | 0.03  | 0.01 | 26   | 26.03  | 0.03  | 0.12  | 0.01 | 0.03  | 1    | Pass |
| 9/22/2020 12:04 PM | PumpEng3 | % | 0 | 0.035  | 0.04  | 0.01 | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.04  | 1    | Pass |
| 9/22/2020 12:04 PM | PumpEng2 | % | 0 | 0.04   | 0.04  | 0.01 | 26.6 | 26.358 | -0.24 | -0.91 | 0.03 | 0.04  | 1.01 | Pass |
| 9/22/2020 12:04 PM | PumpEng1 | % | 0 | 0.075  | 0.08  | 0.01 | 26.8 | 26.745 | -0.05 | -0.21 | 0.01 | 0.08  | 1    | Pass |
| 9/22/2020 12:04 PM | PumpEng5 | % | 0 | 0      | 0     | 0    | 26.3 | 26.14  | -0.16 | -0.61 | 0    | 0     | 1.01 | Pass |
| 9/22/2020 12:04 PM | PumpEng4 | % | 0 | -0.005 | -0.01 | 0.01 | 26   | 26.04  | 0.04  | 0.15  | 0.01 | -0.01 | 1    | Pass |
| 9/23/2020 12:04 PM | PumpEng5 | % | 0 | 0.02   | 0.02  | 0    | 26.3 | 26.148 | -0.15 | -0.58 | 0    | 0.02  | 1.01 | Pass |
| 9/23/2020 12:04 PM | PumpEng1 | % | 0 | 0.108  | 0.11  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.11  | 1.01 | Pass |
| 9/23/2020 12:04 PM | PumpEng3 | % | 0 | 0.038  | 0.04  | 0    | 27   | 27.025 | 0.02  | 0.09  | 0.01 | 0.04  | 1    | Pass |
| 9/23/2020 12:04 PM | PumpEng4 | % | 0 | 0.005  | 0.01  | 0.01 | 26   | 26.058 | 0.06  | 0.22  | 0    | 0.01  | 1    | Pass |
| 9/23/2020 12:04 PM | PumpEng2 | % | 0 | -0.015 | -0.02 | 0.02 | 26.6 | 26.39  | -0.21 | -0.79 | 0.01 | -0.02 | 1.01 | Pass |
| 9/24/2020 12:04 PM | PumpEng1 | % | 0 | -0.03  | -0.03 | 0    | 26.8 | 26.743 | -0.06 | -0.21 | 0    | -0.03 | 1    | Pass |
| 9/24/2020 12:04 PM | PumpEng2 | % | 0 | 0.07   | 0.07  | 0.01 | 26.6 | 26.473 | -0.13 | -0.48 | 0.01 | 0.07  | 1.01 | Pass |
| 9/24/2020 12:04 PM | PumpEng4 | % | 0 | 0.013  | 0.01  | 0.01 | 26   | 26.053 | 0.05  | 0.2   | 0    | 0.01  | 1    | Pass |
| 9/24/2020 12:04 PM | PumpEng5 | % | 0 | 0.03   | 0.03  | 0    | 26.3 | 26.153 | -0.15 | -0.56 | 0    | 0.03  | 1.01 | Pass |
| 9/24/2020 12:04 PM | PumpEng3 | % | 0 | 0.063  | 0.06  | 0    | 27   | 27.028 | 0.03  | 0.1   | 0    | 0.06  | 1    | Pass |
| 9/25/2020 12:04 PM | PumpEng5 | % | 0 | 0.09   | 0.09  | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | 0.09  | 1.01 | Pass |
| 9/25/2020 12:04 PM | PumpEng2 | % | 0 | 0.053  | 0.05  | 0    | 26.6 | 26.465 | -0.14 | -0.51 | 0.01 | 0.05  | 1.01 | Pass |
| 9/25/2020 12:04 PM | PumpEng1 | % | 0 | 0.073  | 0.07  | 0    | 26.8 | 26.735 | -0.06 | -0.24 | 0.01 | 0.07  | 1.01 | Pass |
| 9/25/2020 12:04 PM | PumpEng4 | % | 0 | 0.073  | 0.07  | 0    | 26   | 26.04  | 0.04  | 0.15  | 0.01 | 0.07  | 1    | Pass |
| 9/25/2020 12:04 PM | PumpEng3 | % | 0 | 0.057  | 0.06  | 0    | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.06  | 1    | Pass |
| 9/26/2020 12:04 PM | PumpEng4 | % | 0 | 0.03   | 0.03  | 0.01 | 26   | 26.043 | 0.04  | 0.17  | 0.01 | 0.03  | 1    | Pass |
| 9/26/2020 12:04 PM | PumpEng3 | % | 0 | 0.043  | 0.04  | 0    | 27   | 27.023 | 0.02  | 0.09  | 0    | 0.04  | 1    | Pass |
| 9/26/2020 12:04 PM | PumpEng1 | % | 0 | 0.03   | 0.03  | 0    | 26.8 | 26.75  | -0.05 | -0.19 | 0    | 0.03  | 1    | Pass |
| 9/26/2020 12:04 PM | PumpEng2 | % | 0 | -0.018 | -0.02 | 0    | 26.6 | 26.465 | -0.14 | -0.51 | 0.01 | -0.02 | 1    | Pass |
| 9/26/2020 12:04 PM | PumpEng5 | % | 0 | 0.04   | 0.04  | 0    | 26.3 | 26.155 | -0.14 | -0.55 | 0.01 | 0.04  | 1.01 | Pass |
| 9/27/2020 12:04 PM | PumpEng2 | % | 0 | 0.015  | 0.02  | 0.01 | 26.6 | 26.475 | -0.13 | -0.47 | 0.02 | 0.02  | 1.01 | Pass |
| 9/27/2020 12:04 PM | PumpEng1 | % | 0 | 0.09   | 0.09  | 0    | 26.8 | 26.748 | -0.05 | -0.19 | 0    | 0.09  | 1.01 | Pass |
| 9/27/2020 12:04 PM | PumpEng5 | % | 0 | 0.05   | 0.05  | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | 0.05  | 1.01 | Pass |
| 9/27/2020 12:04 PM | PumpEng3 | % | 0 | 0.07   | 0.07  | 0.01 | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.07  | 1    | Pass |
| 9/27/2020 12:04 PM | PumpEng4 | % | 0 | 0.043  | 0.04  | 0.01 | 26   | 26.04  | 0.04  | 0.15  | 0.01 | 0.04  | 1    | Pass |
| 9/28/2020 12:04 PM | PumpEng3 | % | 0 | 0.11   | 0.11  | 0.01 | 27   | 27.025 | 0.02  | 0.09  | 0.01 | 0.11  | 1    | Pass |
| 9/28/2020 12:04 PM | PumpEng5 | % | 0 | 0.06   | 0.06  | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | 0.06  | 1.01 | Pass |
| 9/28/2020 12:04 PM | PumpEng4 | % | 0 | 0.065  | 0.07  | 0.01 | 26   | 26.028 | 0.03  | 0.11  | 0.01 | 0.07  | 1    | Pass |
| 9/28/2020 12:04 PM | PumpEng1 | % | 0 | 0.02   | 0.02  | 0    | 26.8 | 26.743 | -0.06 | -0.21 | 0    | 0.02  | 1    | Pass |
| 9/28/2020 12:04 PM | PumpEng2 | % | 0 | 0.153  | 0.15  | 0    | 26.6 | 26.538 | -0.06 | -0.23 | 0    | 0.15  | 1.01 | Pass |
| 9/28/2020 3:38 PM  | PumpEng1 | % | 0 | 1.653  | 1.65  | 0    | 26.8 | 26.74  | -0.06 | -0.22 | 0    | 1.65  | 1.07 | Pass |
| 9/28/2020 3:38 PM  | PumpEng2 | % | 0 | 0.885  | 0.89  | 0.01 | 26.6 | 26.518 | -0.08 | -0.31 | 0    | 0.89  | 1.04 | Pass |
| 9/28/2020 3:38 PM  | PumpEng5 | % | 0 | 1.34   | 1.34  | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | 1.34  | 1.06 | Pass |
| 9/28/2020 3:38 PM  | PumpEng3 | % | 0 | 1.555  | 1.56  | 0.01 | 27   | 27.025 | 0.02  | 0.09  | 0.01 | 1.56  | 1.06 | Pass |
| 9/28/2020 3:38 PM  | PumpEng4 | % | 0 | 1.243  | 1.24  | 0    | 26   | 26.038 | 0.04  | 0.15  | 0    | 1.24  | 1.05 | Pass |
| 9/29/2020 12:04 PM | PumpEng4 | % | 0 | 0.36   | 0.36  | 0.01 | 26   | 26.04  | 0.04  | 0.15  | 0    | 0.36  | 1.01 | Pass |
| 9/29/2020 12:04 PM | PumpEng1 | % | 0 | 1.24   | 1.24  | 0.01 | 26.8 | 26.71  | -0.09 | -0.34 | 0    | 1.24  | 1.05 | Pass |
| 9/29/2020 12:04 PM | PumpEng2 | % | 0 | 0.235  | 0.24  | 0.01 | 26.6 | 26.523 | -0.08 | -0.29 | 0.01 | 0.24  | 1.01 | Pass |
| 9/29/2020 12:04 PM | PumpEng5 | % | 0 | 0.06   | 0.06  | 0.01 | 26.3 | 26.15  | -0.15 | -0.57 | 0    | 0.06  | 1.01 | Pass |
| 9/29/2020 12:04 PM | PumpEng3 | % | 0 | 0.155  | 0.16  | 0.01 | 27   | 27.03  | 0.03  | 0.11  | 0    | 0.16  | 1    | Pass |
| 9/30/2020 12:04 PM | PumpEng2 | % | 0 | -0.33  | -0.33 | 0    | 26.6 | 26.553 | -0.05 | -0.18 | 0    | -0.33 | 0.99 | Pass |
| 9/30/2020 12:04 PM | PumpEng5 | % | 0 | -0.04  | -0.04 | 0    | 26.3 | 26.15  | -0.15 | -0.57 | 0    | -0.04 | 1    | Pass |
| 9/30/2020 12:04 PM | PumpEng3 | % | 0 | -0.015 | -0.02 | 0.01 | 27   | 27.03  | 0.03  | 0.11  | 0    | -0.02 | 1    | Pass |
| 9/30/2020 12:04 PM | PumpEng4 | % | 0 | -0.415 | -0.42 | 0.01 | 26   | 26.043 | 0.04  | 0.17  | 0    | -0.42 | 0.98 | Pass |
| 9/30/2020 12:04 PM | PumpEng1 | % | 0 | -2.42  | -2.42 | 0    | 26.8 | 26.745 | -0.05 | -0.21 | 0.01 | -2.42 | 0.92 | Pass |

## **APPENDIX B**

### **6 MINUTES EXCEEDANCES REPORT**

# Opacity Data Summary Report

## Company:

New York City D.E.P.  
North River Wastewater Resource Recovery Facility  
New York, NY 10031



## Data Group:

Valid Calibration Data

## Report Name:

3rd Quarter 2020

## Start of Report:

07/01/20

00:00

## End of Report:

09/30/20

23:54

Validation:

All Opacity Data

| Date Time         | Station         | Monitor       | Units | Value |
|-------------------|-----------------|---------------|-------|-------|
| Station / Monitor | Opacity         | Pump Engine 1 | %     |       |
| 06/07/2020 16:12  | Opacity         | Pump Engine 1 | %     | 20.6  |
| 10/08/2020 10:06  | Opacity         | Pump Engine 1 | %     | 27.7  |
| 10/08/2020 10:12  | Opacity         | Pump Engine 1 | %     | 22.1  |
| 22/08/2020 10:06  | Opacity         | Pump Engine 1 | %     | 34.2  |
| 10/09/2020 20:18  | Opacity         | Pump Engine 1 | %     | 20.3  |
| 10/09/2020 20:24  | Opacity         | Pump Engine 1 | %     | 35.1  |
| 15/09/2020 11:54  | Opacity         | Pump Engine 1 | %     | 43.6  |
| 15/09/2020 12:00  | Opacity         | Pump Engine 1 | %     | 53.6  |
| 19/09/2020 12:48  | Opacity         | Pump Engine 1 | %     | 28.2  |
| 19/09/2020 12:54  | Opacity         | Pump Engine 1 | %     | 36.5  |
| 23/09/2020 15:48  | Opacity         | Pump Engine 1 | %     | 35.5  |
| 23/09/2020 22:00  | Opacity         | Pump Engine 1 | %     | 20.8  |
| 23/09/2020 22:06  | Opacity         | Pump Engine 1 | %     | 42    |
| 23/09/2020 22:12  | Opacity         | Pump Engine 1 | %     | 25.4  |
| 27/09/2020 09:00  | Opacity         | Pump Engine 1 | %     | 29.8  |
| 27/09/2020 09:06  | Opacity         | Pump Engine 1 | %     | 34.4  |
| 29/09/2020 05:18  | Opacity         | Pump Engine 1 | %     | 32.2  |
| 29/09/2020 05:24  | Opacity         | Pump Engine 1 | %     | 45.6  |
| 29/09/2020 05:30  | Opacity         | Pump Engine 1 | %     | 26    |
| 29/09/2020 05:36  | Opacity         | Pump Engine 1 | %     | 29.4  |
| 29/09/2020 05:42  | Opacity         | Pump Engine 1 | %     | 38.1  |
| 29/09/2020 05:48  | Opacity         | Pump Engine 1 | %     | 30.1  |
| 29/09/2020 22:06  | Opacity         | Pump Engine 1 | %     | 36.7  |
| 29/09/2020 22:12  | Opacity         | Pump Engine 1 | %     | 27.2  |
| 29/09/2020 22:42  | Opacity         | Pump Engine 1 | %     | 22.9  |
| 29/09/2020 22:48  | Opacity         | Pump Engine 1 | %     | 29.8  |
| 29/09/2020 22:54  | Opacity         | Pump Engine 1 | %     | 22.1  |
| 29/09/2020 23:24  | Opacity         | Pump Engine 1 | %     | 20.9  |
| Total Events      | 28              |               |       |       |
| Time Sum          | 0 days 02:48:00 |               |       |       |
| Station / Monitor | Opacity         | Pump Engine 2 | %     |       |
| 10/07/2020 08:42  | Opacity         | Pump Engine 2 | %     | 20.3  |
| 03/08/2020 21:00  | Opacity         | Pump Engine 2 | %     | 24.8  |
| 12/08/2020 09:18  | Opacity         | Pump Engine 2 | %     | 23.2  |
| 12/08/2020 17:12  | Opacity         | Pump Engine 2 | %     | 29.5  |
| 12/08/2020 17:18  | Opacity         | Pump Engine 2 | %     | 23.6  |
| 25/08/2020 12:06  | Opacity         | Pump Engine 2 | %     | 20.2  |
| 03/09/2020 21:00  | Opacity         | Pump Engine 2 | %     | 21    |
| 03/09/2020 21:06  | Opacity         | Pump Engine 2 | %     | 25.2  |
| Total Events      | 8               |               |       |       |
| Time Sum          | 0 days 00:48:00 |               |       |       |
| Station / Monitor | Opacity         | Pump Engine 3 | %     |       |
| Total Events      | 0               |               |       |       |
| Time Sum          | 0 days 00:00:00 |               |       |       |

|                   |                 |               |   |      |
|-------------------|-----------------|---------------|---|------|
| Station / Monitor | Opacity         | Pump Engine 4 | % |      |
| 10/07/2020 12:36  | Opacity         | Pump Engine 4 | % | 25.6 |
| 10/07/2020 12:42  | Opacity         | Pump Engine 4 | % | 25   |
| 10/07/2020 12:48  | Opacity         | Pump Engine 4 | % | 21.7 |
| 11/07/2020 13:00  | Opacity         | Pump Engine 4 | % | 20.6 |
| 13/07/2020 14:42  | Opacity         | Pump Engine 4 | % | 20   |
| 13/07/2020 14:48  | Opacity         | Pump Engine 4 | % | 26.4 |
| 13/07/2020 14:54  | Opacity         | Pump Engine 4 | % | 26.1 |
| 13/07/2020 15:00  | Opacity         | Pump Engine 4 | % | 25.6 |
| 13/07/2020 15:06  | Opacity         | Pump Engine 4 | % | 23.9 |
| 13/07/2020 15:12  | Opacity         | Pump Engine 4 | % | 24.4 |
| 13/07/2020 15:18  | Opacity         | Pump Engine 4 | % | 24.8 |
| 13/07/2020 15:24  | Opacity         | Pump Engine 4 | % | 21.4 |
| 13/07/2020 15:36  | Opacity         | Pump Engine 4 | % | 20.5 |
| 13/07/2020 15:42  | Opacity         | Pump Engine 4 | % | 21.1 |
| 13/07/2020 15:48  | Opacity         | Pump Engine 4 | % | 21.1 |
| 13/07/2020 15:54  | Opacity         | Pump Engine 4 | % | 21   |
| 13/07/2020 16:00  | Opacity         | Pump Engine 4 | % | 21.1 |
| 13/07/2020 16:06  | Opacity         | Pump Engine 4 | % | 20.5 |
| 17/07/2020 09:42  | Opacity         | Pump Engine 4 | % | 20   |
| 28/07/2020 06:36  | Opacity         | Pump Engine 4 | % | 23.6 |
| 28/07/2020 06:42  | Opacity         | Pump Engine 4 | % | 21.3 |
| 31/07/2020 01:24  | Opacity         | Pump Engine 4 | % | 23.9 |
| 31/07/2020 01:30  | Opacity         | Pump Engine 4 | % | 25.3 |
| 31/07/2020 01:36  | Opacity         | Pump Engine 4 | % | 23.4 |
| 12/08/2020 15:06  | Opacity         | Pump Engine 4 | % | 23.6 |
| 25/08/2020 12:24  | Opacity         | Pump Engine 4 | % | 20.7 |
| 30/08/2020 08:48  | Opacity         | Pump Engine 4 | % | 21.5 |
| 03/09/2020 07:24  | Opacity         | Pump Engine 4 | % | 26.4 |
| Total Events      | 28              |               |   |      |
| Time Sum          | 0 days 02:48:00 |               |   |      |
| Station / Monitor | Opacity         | Pump Engine 5 | % |      |
| 01/07/2020 12:48  | Opacity         | Pump Engine 5 | % | 20   |
| 06/07/2020 15:54  | Opacity         | Pump Engine 5 | % | 20.1 |
| 20/07/2020 19:00  | Opacity         | Pump Engine 5 | % | 25   |
| 21/07/2020 08:12  | Opacity         | Pump Engine 5 | % | 22.3 |
| 21/07/2020 08:18  | Opacity         | Pump Engine 5 | % | 21.6 |
| 27/07/2020 02:54  | Opacity         | Pump Engine 5 | % | 40   |
| 27/07/2020 03:00  | Opacity         | Pump Engine 5 | % | 21   |
| 27/07/2020 03:54  | Opacity         | Pump Engine 5 | % | 26.6 |
| 27/07/2020 04:00  | Opacity         | Pump Engine 5 | % | 24   |
| 29/08/2020 08:54  | Opacity         | Pump Engine 5 | % | 22.1 |
| 29/08/2020 09:00  | Opacity         | Pump Engine 5 | % | 21   |
| 11/09/2020 10:42  | Opacity         | Pump Engine 5 | % | 25.7 |
| 11/09/2020 10:48  | Opacity         | Pump Engine 5 | % | 20.5 |
| 29/09/2020 08:42  | Opacity         | Pump Engine 5 | % | 22.9 |
| Total Events      | 14              |               |   |      |
| Time Sum          | 0 days 01:24:00 |               |   |      |
| Events Summary    | 78              |               |   |      |

## **APPENDIX C**

### **6 MINUTES OPACITY DATA**

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## Opacity Data Summary Report

**Company:** New York City D.E.P.  
North River Wastewater Resource Recovery Facility  
New York, NY 10031



**Data Group:** Valid Data  
**Report Name:** 3rd Quarter 2020

**Start of Report:** 7/1/2020 0:00

**End of Report:** 9/30/2020 23:54

**Validation:** All Opacity Data

| Date & Time       | PE 1 | PE 2 | PE 3 | PE 4 | PE 5 |
|-------------------|------|------|------|------|------|
|                   | %    | %    | %    | %    | %    |
| 7/1/2020 12:00 AM | -0.5 | -0.8 | -0.6 | 5.2  | 0.0  |
| 7/1/2020 12:06 AM | -0.5 | -0.8 | -0.6 | 6.4  | 0.0  |
| 7/1/2020 12:12 AM | -0.5 | -0.8 | -0.6 | 6.7  | 0.0  |
| 7/1/2020 12:18 AM | -0.5 | -0.8 | -0.6 | 6.7  | 0.0  |
| 7/1/2020 12:24 AM | -0.5 | -0.8 | -0.6 | 7.0  | 0.0  |
| 7/1/2020 12:30 AM | -0.5 | -0.8 | -0.6 | 6.9  | 0.0  |
| 7/1/2020 12:36 AM | -0.5 | -0.8 | -0.6 | 6.5  | 0.0  |
| 7/1/2020 12:42 AM | -0.5 | -0.8 | -0.6 | 6.3  | 0.0  |
| 7/1/2020 12:48 AM | -0.5 | -0.8 | -0.6 | 6.2  | 0.0  |
| 7/1/2020 12:54 AM | -0.5 | -0.8 | -0.6 | 6.2  | 0.0  |
| 7/1/2020 1:00 AM  | -0.5 | -0.8 | -0.6 | 6.5  | 0.0  |
| 7/1/2020 1:06 AM  | -0.5 | -0.8 | -0.6 | 6.4  | 0.0  |
| 7/1/2020 1:12 AM  | -0.5 | -0.8 | -0.6 | 6.2  | 0.0  |
| 7/1/2020 1:18 AM  | -0.5 | -0.8 | -0.6 | 6.0  | 0.0  |
| 7/1/2020 1:24 AM  | -0.5 | -0.8 | -0.6 | 6.0  | 0.0  |
| 7/1/2020 1:30 AM  | -0.5 | -0.8 | -0.6 | 6.2  | 0.0  |
| 7/1/2020 1:36 AM  | -0.5 | -0.8 | -0.6 | 6.1  | 0.0  |
| 7/1/2020 1:42 AM  | -0.5 | -0.8 | -0.6 | 6.1  | 0.0  |
| 7/1/2020 1:48 AM  | -0.5 | -0.8 | -0.6 | 6.3  | 0.0  |
| 7/1/2020 1:54 AM  | -0.5 | -0.8 | -0.6 | 6.5  | 0.0  |
| 7/1/2020 2:00 AM  | -0.5 | -0.8 | -0.6 | 6.2  | 0.0  |
| 7/1/2020 2:06 AM  | -0.5 | -0.8 | -0.6 | 6.3  | 0.0  |
| 7/1/2020 2:12 AM  | -0.5 | -0.8 | -0.6 | 6.5  | 0.0  |
| 7/1/2020 2:18 AM  | -0.5 | -0.8 | -0.6 | 6.6  | 0.0  |
| 7/1/2020 2:24 AM  | -0.5 | -0.8 | -0.6 | 6.3  | 0.0  |
| 7/1/2020 2:30 AM  | -0.5 | -0.7 | -0.6 | 5.5  | 0.0  |
| 7/1/2020 2:36 AM  | -0.5 | -0.8 | -0.6 | 4.8  | 0.0  |
| 7/1/2020 2:42 AM  | -0.5 | -0.8 | -0.6 | 4.7  | 0.0  |
| 7/1/2020 2:48 AM  | -0.5 | -0.8 | -0.6 | 4.9  | 0.0  |
| 7/1/2020 2:54 AM  | -0.5 | -0.8 | -0.6 | 4.9  | 0.0  |
| 7/1/2020 3:00 AM  | -0.5 | -0.8 | -0.6 | 5.0  | 0.0  |
| 7/1/2020 3:06 AM  | -0.5 | -0.8 | -0.6 | 5.0  | 0.0  |
| 7/1/2020 3:12 AM  | -0.5 | -0.8 | -0.6 | 5.0  | 0.0  |
| 7/1/2020 3:18 AM  | -0.5 | -0.8 | -0.6 | 5.0  | 0.0  |
| 7/1/2020 3:24 AM  | -0.5 | -0.8 | -0.6 | 5.0  | 0.0  |
| 7/1/2020 3:30 AM  | -0.5 | -0.8 | -0.6 | 4.5  | 0.0  |
| 7/1/2020 3:36 AM  | -0.5 | -0.8 | -0.6 | 3.5  | 0.0  |
| 7/1/2020 3:42 AM  | -0.5 | -0.8 | -0.6 | 3.3  | 0.0  |
| 7/1/2020 3:48 AM  | -0.4 | -0.8 | -0.6 | 3.4  | 0.0  |



|                  |      |      |      |     |     |
|------------------|------|------|------|-----|-----|
| 7/1/2020 3:54 AM | -0.4 | -0.8 | -0.6 | 3.5 | 0.0 |
| 7/1/2020 4:00 AM | -0.4 | -0.8 | -0.6 | 3.5 | 0.0 |
| 7/1/2020 4:06 AM | -0.4 | -0.7 | -0.6 | 3.4 | 0.0 |
| 7/1/2020 4:12 AM | -0.4 | -0.7 | -0.6 | 3.4 | 0.0 |
| 7/1/2020 4:18 AM | -0.4 | -0.7 | -0.6 | 3.4 | 0.0 |
| 7/1/2020 4:24 AM | -0.4 | -0.7 | -0.6 | 3.4 | 0.0 |
| 7/1/2020 4:30 AM | -0.4 | -0.7 | -0.6 | 3.5 | 0.0 |
| 7/1/2020 4:36 AM | -0.4 | -0.7 | -0.6 | 3.5 | 0.0 |
| 7/1/2020 4:42 AM | -0.5 | -0.7 | -0.6 | 3.5 | 0.0 |
| 7/1/2020 4:48 AM | -0.5 | -0.7 | -0.6 | 3.5 | 0.0 |
| 7/1/2020 4:54 AM | -0.5 | -0.7 | -0.7 | 3.5 | 0.0 |
| 7/1/2020 5:00 AM | -0.5 | -0.7 | -0.7 | 3.4 | 0.0 |
| 7/1/2020 5:06 AM | -0.5 | -0.7 | -0.8 | 3.4 | 0.0 |
| 7/1/2020 5:12 AM | -0.5 | -0.7 | -0.8 | 3.4 | 0.0 |
| 7/1/2020 5:18 AM | -0.5 | -0.7 | -0.8 | 3.4 | 0.0 |
| 7/1/2020 5:24 AM | -0.5 | -0.8 | -0.8 | 3.3 | 0.0 |
| 7/1/2020 5:30 AM | -0.5 | -0.7 | -0.8 | 3.3 | 0.0 |
| 7/1/2020 5:36 AM | -0.5 | -0.7 | -0.8 | 3.4 | 0.0 |
| 7/1/2020 5:42 AM | -0.5 | -0.7 | -0.9 | 3.4 | 0.0 |
| 7/1/2020 5:48 AM | -0.5 | -0.7 | -0.9 | 3.3 | 0.0 |
| 7/1/2020 5:54 AM | -0.5 | -0.7 | -0.9 | 3.4 | 0.0 |
| 7/1/2020 6:00 AM | -0.5 | -0.7 | -1.0 | 3.5 | 0.0 |
| 7/1/2020 6:06 AM | -0.4 | -0.7 | -1.0 | 3.5 | 0.0 |
| 7/1/2020 6:12 AM | -0.4 | -0.7 | -1.0 | 3.5 | 0.0 |
| 7/1/2020 6:18 AM | -0.4 | -0.7 | -1.0 | 3.5 | 0.0 |
| 7/1/2020 6:24 AM | -0.4 | -0.7 | -1.0 | 3.5 | 0.0 |
| 7/1/2020 6:30 AM | -0.4 | -0.7 | -1.0 | 3.4 | 0.0 |
| 7/1/2020 6:36 AM | -0.4 | -0.7 | -1.0 | 3.8 | 0.0 |
| 7/1/2020 6:42 AM | -0.4 | -0.7 | -1.0 | 2.4 | 0.0 |
| 7/1/2020 6:48 AM | -0.4 | -0.8 | -0.9 | 0.8 | 0.0 |
| 7/1/2020 6:54 AM | -0.4 | -0.7 | -0.9 | 0.9 | 0.0 |
| 7/1/2020 7:00 AM | -0.4 | -0.7 | -0.9 | 4.3 | 0.0 |
| 7/1/2020 7:06 AM | -0.4 | -0.7 | -0.8 | 7.4 | 0.0 |
| 7/1/2020 7:12 AM | -0.4 | -0.7 | -0.7 | 6.1 | 0.0 |
| 7/1/2020 7:18 AM | -0.4 | -0.7 | -0.6 | 6.7 | 0.0 |
| 7/1/2020 7:24 AM | -0.4 | -0.7 | -0.5 | 7.5 | 0.0 |
| 7/1/2020 7:30 AM | -0.4 | -0.7 | -0.5 | 7.4 | 0.0 |
| 7/1/2020 7:36 AM | -0.4 | -0.7 | -0.7 | 7.4 | 0.0 |
| 7/1/2020 7:42 AM | -0.4 | -0.8 | -0.9 | 8.1 | 0.0 |
| 7/1/2020 7:48 AM | -0.4 | -0.7 | -0.9 | 9.0 | 0.0 |
| 7/1/2020 7:54 AM | -0.4 | -0.7 | -0.9 | 8.6 | 0.0 |
| 7/1/2020 8:00 AM | -0.4 | -0.7 | -0.9 | 8.4 | 0.0 |
| 7/1/2020 8:06 AM | -0.4 | -0.7 | -0.9 | 8.2 | 0.0 |
| 7/1/2020 8:12 AM | -0.4 | -0.7 | -0.9 | 8.2 | 0.0 |
| 7/1/2020 8:18 AM | -0.4 | -0.8 | -0.9 | 8.3 | 0.0 |
| 7/1/2020 8:24 AM | -0.4 | -0.7 | -0.9 | 8.2 | 0.0 |
| 7/1/2020 8:30 AM | -0.3 | -0.7 | -0.9 | 8.4 | 0.0 |
| 7/1/2020 8:36 AM | -0.3 | -0.7 | -0.9 | 8.4 | 0.0 |
| 7/1/2020 8:42 AM | -0.3 | -0.7 | -0.9 | 8.3 | 0.0 |
| 7/1/2020 8:48 AM | -0.3 | -0.7 | -0.8 | 8.2 | 0.0 |

|                   |          |          |          |          |          |
|-------------------|----------|----------|----------|----------|----------|
| 7/1/2020 8:54 AM  | -0.3     | -0.7     | -0.8     | 8.3      | 0.0      |
| 7/1/2020 9:00 AM  | -0.3     | -0.7     | -0.7     | 8.5      | 0.0      |
| 7/1/2020 9:06 AM  | -0.3     | -0.8     | -0.6     | 8.6      | 0.0      |
| 7/1/2020 9:12 AM  | -0.3     | -0.8     | -0.4     | 8.5      | 0.0      |
| 7/1/2020 9:18 AM  | -0.3     | -0.8     | -0.2     | 8.5      | 0.0      |
| 7/1/2020 9:24 AM  | -0.3     | -0.8     | -0.1     | 8.3      | 0.0      |
| 7/1/2020 9:30 AM  | -0.2     | -0.8     | 0.0      | 8.4      | 0.0      |
| 7/1/2020 9:36 AM  | -0.2     | -0.8     | 0.1      | 8.7      | 0.0      |
| 7/1/2020 9:42 AM  | -0.2     | -0.7     | 0.1      | 8.8      | 0.0      |
| 7/1/2020 9:48 AM  | -0.2     | -0.7     | 0.1      | 8.6      | 0.0      |
| 7/1/2020 9:54 AM  | -0.2     | -0.7     | 0.1      | 8.6      | 0.0      |
| 7/1/2020 10:00 AM | -0.2     | -0.7     | 0.0      | 8.6      | 0.0      |
| 7/1/2020 10:06 AM | -0.2     | -0.7     | 0.0      | 8.6      | 0.0      |
| 7/1/2020 10:12 AM | -0.2     | -0.7     | 0.0      | 8.5      | 0.0      |
| 7/1/2020 10:18 AM | -0.2     | -0.7     | 0.0      | 8.4      | 0.0      |
| 7/1/2020 10:24 AM | -0.3     | -0.7     | 0.0      | 8.3      | 0.0      |
| 7/1/2020 10:30 AM | -0.3     | -0.6     | 0.0      | 8.5      | 0.0      |
| 7/1/2020 10:36 AM | -0.3     | -0.6     | -0.1     | 8.5      | 0.0      |
| 7/1/2020 10:42 AM | -0.3     | -0.6     | -0.1     | 8.3      | 0.0      |
| 7/1/2020 10:48 AM | -0.3     | -0.6     | -0.1     | 8.3      | 0.0      |
| 7/1/2020 10:54 AM | -0.3     | -0.6     | 0.0      | 8.4      | 0.0      |
| 7/1/2020 11:00 AM | -0.3     | -0.6     | 0.1      | 8.6      | 0.0      |
| 7/1/2020 11:06 AM | -0.3     | -0.6     | 0.2      | 8.7      | 0.1      |
| 7/1/2020 11:12 AM | -0.3     | -0.6     | 0.2      | 8.6      | 0.1      |
| 7/1/2020 11:18 AM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 7/1/2020 11:24 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 7/1/2020 11:30 AM | -0.4     | -0.6     | 0.1      | 9.0      | 0.0      |
| 7/1/2020 11:36 AM | -0.4     | -0.7     | 0.1      | 8.9      | 0.0      |
| 7/1/2020 11:42 AM | -0.4     | -0.7     | 0.0      | 9.0      | 0.0      |
| 7/1/2020 11:48 AM | -0.4     | -0.6     | 0.0      | 9.2      | 0.0      |
| 7/1/2020 11:54 AM | -0.4     | -0.7     | -0.1     | 9.2      | 0.0      |
| 7/1/2020 12:00 PM | -0.4     | -0.7     | -0.2     | 9.2      | 0.0      |
| 7/1/2020 12:06 PM | -0.4     | -0.6     | -0.3     | 9.0      | 0.0      |
| 7/1/2020 12:12 PM | -0.4     | -0.6     | -0.4     | 8.8      | 0.0      |
| 7/1/2020 12:18 PM | -0.5     | 6.6      | -0.4     | 8.7      | 1.5      |
| 7/1/2020 12:24 PM | -0.5     | 7.6      | -0.5     | 8.8      | 11.7     |
| 7/1/2020 12:30 PM | -0.5     | 1.1      | -0.5     | 8.8      | 7.6      |
| 7/1/2020 12:36 PM | -0.5     | 0.8      | -0.5     | 8.9      | 1.1      |
| 7/1/2020 12:42 PM | -0.5     | 0.5      | -0.6     | 8.8      | 14.4     |
| 7/1/2020 12:48 PM | -0.5     | 0.2      | -0.6     | 6.3      | 20.0     |
| 7/1/2020 12:54 PM | -0.5     | 0.0      | -0.5     | 5.6      | 12.4     |
| 7/1/2020 1:00 PM  | -0.5     | -0.1     | -0.5     | 9.5      | 10.7     |
| 7/1/2020 1:06 PM  | -0.5     | -0.2     | -0.4     | 11.5     | 12.4     |
| 7/1/2020 1:12 PM  | -0.5     | -0.3     | -0.4     | 12.3     | 11.6     |
| 7/1/2020 1:18 PM  | -0.5     | -0.3     | -0.4     | 12.3     | 10.8     |
| 7/1/2020 1:24 PM  | -0.5     | -0.4     | -0.3     | 12.0     | 10.1     |
| 7/1/2020 1:30 PM  | -0.5     | -0.4     | -0.3     | 11.6     | 9.8      |
| 7/1/2020 1:36 PM  | -0.5     | -0.4     | -0.2     | 11.7     | 10.1     |
| 7/1/2020 1:42 PM  | -0.5     | -0.4     | -0.2     | 12.2     | 10.3     |
| 7/1/2020 1:48 PM  | -0.5     | -0.4     | -0.1     | 12.5     | 10.5     |

|                  |      |      |      |      |      |
|------------------|------|------|------|------|------|
| 7/1/2020 1:54 PM | -0.4 | -0.4 | -0.1 | 12.4 | 10.1 |
| 7/1/2020 2:00 PM | -0.4 | -0.4 | 0.0  | 12.7 | 9.3  |
| 7/1/2020 2:06 PM | -0.4 | -0.4 | 0.0  | 12.8 | 8.7  |
| 7/1/2020 2:12 PM | -0.4 | -0.4 | 0.0  | 12.5 | 8.5  |
| 7/1/2020 2:18 PM | -0.4 | -0.4 | -0.1 | 12.9 | 8.4  |
| 7/1/2020 2:24 PM | -0.4 | -0.3 | -0.2 | 12.3 | 8.3  |
| 7/1/2020 2:30 PM | -0.4 | -0.3 | -0.2 | 10.8 | 7.8  |
| 7/1/2020 2:36 PM | -0.4 | -0.3 | -0.3 | 8.0  | 5.2  |
| 7/1/2020 2:42 PM | -0.4 | -0.2 | -0.3 | 7.0  | 3.5  |
| 7/1/2020 2:48 PM | -0.4 | -0.2 | -0.3 | 7.7  | 3.6  |
| 7/1/2020 2:54 PM | -0.4 | -0.2 | -0.3 | 8.0  | 3.5  |
| 7/1/2020 3:00 PM | -0.4 | -0.1 | -0.3 | 6.6  | 3.1  |
| 7/1/2020 3:06 PM | -0.4 | -0.1 | -0.3 | 3.9  | 2.4  |
| 7/1/2020 3:12 PM | -0.4 | -0.1 | -0.3 | 3.2  | 2.3  |
| 7/1/2020 3:18 PM | -0.4 | -0.1 | -0.3 | 3.3  | 2.4  |
| 7/1/2020 3:24 PM | -0.4 | 0.0  | -0.3 | 3.4  | 2.4  |
| 7/1/2020 3:30 PM | -0.4 | 0.1  | -0.4 | 3.5  | 2.5  |
| 7/1/2020 3:36 PM | -0.4 | 0.2  | -0.4 | 3.5  | 2.6  |
| 7/1/2020 3:42 PM | -0.4 | 0.2  | -0.4 | 3.4  | 2.7  |
| 7/1/2020 3:48 PM | -0.4 | 0.1  | -0.5 | 3.5  | 2.7  |
| 7/1/2020 3:54 PM | -0.4 | 0.1  | -0.5 | 3.6  | 2.7  |
| 7/1/2020 4:00 PM | -0.4 | 0.2  | -0.6 | 2.9  | 2.6  |
| 7/1/2020 4:06 PM | -0.4 | 0.1  | -0.6 | 2.4  | 2.5  |
| 7/1/2020 4:12 PM | -0.4 | -0.1 | -0.6 | 2.4  | 2.6  |
| 7/1/2020 4:18 PM | -0.4 | -0.1 | -0.6 | 2.4  | 2.6  |
| 7/1/2020 4:24 PM | -0.4 | 0.1  | -0.6 | 2.4  | 2.6  |
| 7/1/2020 4:30 PM | -0.4 | 0.1  | -0.6 | 2.4  | 2.7  |
| 7/1/2020 4:36 PM | -0.4 | 0.1  | -0.7 | 2.4  | 2.7  |
| 7/1/2020 4:42 PM | -0.4 | 0.2  | -0.8 | 2.4  | 2.7  |
| 7/1/2020 4:48 PM | -0.5 | 0.3  | -1.0 | 2.4  | 2.7  |
| 7/1/2020 4:54 PM | -0.5 | 0.3  | -1.0 | 2.4  | 2.7  |
| 7/1/2020 5:00 PM | -0.5 | 0.2  | -1.0 | 2.4  | 2.7  |
| 7/1/2020 5:06 PM | -0.5 | -0.1 | -1.0 | 2.3  | 2.8  |
| 7/1/2020 5:12 PM | -0.5 | -0.2 | -0.9 | 2.3  | 2.8  |
| 7/1/2020 5:18 PM | -0.5 | -0.2 | -0.9 | 2.3  | 2.8  |
| 7/1/2020 5:24 PM | -0.3 | -0.1 | -0.8 | 2.3  | 2.8  |
| 7/1/2020 5:30 PM | -0.3 | -0.1 | -0.7 | 2.4  | 2.8  |
| 7/1/2020 5:36 PM | -0.3 | -0.1 | -0.7 | 2.4  | 2.8  |
| 7/1/2020 5:42 PM | -0.3 | -0.1 | -0.7 | 2.4  | 2.7  |
| 7/1/2020 5:48 PM | -0.4 | -0.1 | -0.6 | 2.5  | 2.7  |
| 7/1/2020 5:54 PM | -0.4 | -0.1 | -0.6 | 2.4  | 2.7  |
| 7/1/2020 6:00 PM | -0.4 | 0.0  | -0.5 | 2.4  | 2.7  |
| 7/1/2020 6:06 PM | -0.4 | 0.1  | -0.5 | 2.3  | 2.6  |
| 7/1/2020 6:12 PM | -0.4 | 0.1  | -0.5 | 2.4  | 2.6  |
| 7/1/2020 6:18 PM | -0.5 | 0.1  | -0.4 | 2.5  | 2.6  |
| 7/1/2020 6:24 PM | -0.5 | 0.1  | -0.4 | 2.5  | 2.6  |
| 7/1/2020 6:30 PM | -0.5 | 0.1  | -0.5 | 2.4  | 2.7  |
| 7/1/2020 6:36 PM | -0.5 | 0.1  | -0.5 | 2.4  | 2.8  |
| 7/1/2020 6:42 PM | -0.5 | 0.1  | -0.5 | 2.5  | 2.8  |
| 7/1/2020 6:48 PM | -0.5 | 0.0  | -0.5 | 2.5  | 2.7  |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 7/1/2020 6:54 PM  | -0.5 | 0.0  | -0.4 | 2.5  | 2.7 |
| 7/1/2020 7:00 PM  | -0.5 | 0.0  | -0.4 | 2.5  | 2.7 |
| 7/1/2020 7:06 PM  | -0.5 | 0.0  | -0.4 | 2.4  | 2.7 |
| 7/1/2020 7:12 PM  | -0.5 | 0.0  | -0.4 | 2.4  | 2.7 |
| 7/1/2020 7:18 PM  | -0.5 | 0.0  | -0.4 | 2.4  | 2.7 |
| 7/1/2020 7:24 PM  | -0.5 | 0.0  | -0.4 | 2.4  | 2.7 |
| 7/1/2020 7:30 PM  | -0.5 | 0.0  | -0.4 | 2.5  | 2.7 |
| 7/1/2020 7:36 PM  | -0.4 | 0.0  | -0.4 | 2.5  | 2.7 |
| 7/1/2020 7:42 PM  | -0.4 | 0.0  | -0.4 | 2.6  | 2.7 |
| 7/1/2020 7:48 PM  | -0.4 | 0.0  | -0.5 | 2.6  | 2.8 |
| 7/1/2020 7:54 PM  | -0.4 | 0.0  | -0.6 | 2.6  | 2.8 |
| 7/1/2020 8:00 PM  | -0.4 | 0.0  | -0.6 | 2.6  | 2.8 |
| 7/1/2020 8:06 PM  | -0.4 | -0.1 | -0.6 | 2.6  | 2.8 |
| 7/1/2020 8:12 PM  | -0.4 | -0.1 | -0.5 | 2.6  | 2.8 |
| 7/1/2020 8:18 PM  | -0.5 | -0.1 | -0.5 | 2.5  | 2.8 |
| 7/1/2020 8:24 PM  | -0.5 | -0.1 | -0.5 | 2.5  | 2.8 |
| 7/1/2020 8:30 PM  | -0.5 | -0.1 | -0.5 | 2.6  | 2.8 |
| 7/1/2020 8:36 PM  | -0.4 | -0.1 | -0.5 | 2.6  | 2.8 |
| 7/1/2020 8:42 PM  | -0.4 | -0.1 | -0.5 | 2.6  | 2.8 |
| 7/1/2020 8:48 PM  | -0.4 | -0.1 | -0.4 | 2.6  | 2.9 |
| 7/1/2020 8:54 PM  | -0.4 | -0.1 | -0.4 | 2.6  | 2.8 |
| 7/1/2020 9:00 PM  | -0.5 | -0.1 | -0.4 | 2.7  | 2.8 |
| 7/1/2020 9:06 PM  | -0.5 | -0.1 | -0.4 | 2.6  | 2.8 |
| 7/1/2020 9:12 PM  | -0.5 | 0.0  | -0.4 | 2.6  | 2.7 |
| 7/1/2020 9:18 PM  | -0.5 | 0.0  | -0.4 | 2.7  | 2.8 |
| 7/1/2020 9:24 PM  | -0.5 | 0.0  | -0.4 | 2.7  | 2.8 |
| 7/1/2020 9:30 PM  | -0.5 | 0.0  | -0.4 | 2.6  | 2.7 |
| 7/1/2020 9:36 PM  | -0.5 | 0.0  | -0.4 | 2.6  | 2.7 |
| 7/1/2020 9:42 PM  | -0.5 | 0.0  | -0.4 | 2.6  | 2.7 |
| 7/1/2020 9:48 PM  | -0.4 | 0.0  | -0.4 | 2.5  | 2.7 |
| 7/1/2020 9:54 PM  | -0.4 | 0.0  | -0.4 | 2.6  | 2.7 |
| 7/1/2020 10:00 PM | -0.5 | 0.0  | -0.4 | 2.6  | 2.7 |
| 7/1/2020 10:06 PM | -0.5 | 0.0  | -0.3 | 2.6  | 2.6 |
| 7/1/2020 10:12 PM | -0.5 | 0.0  | -0.3 | 2.6  | 2.6 |
| 7/1/2020 10:18 PM | -0.5 | 0.0  | -0.3 | 2.5  | 2.7 |
| 7/1/2020 10:24 PM | -0.5 | 0.0  | -0.3 | 2.5  | 2.7 |
| 7/1/2020 10:30 PM | -0.5 | 0.0  | -0.3 | 3.1  | 2.7 |
| 7/1/2020 10:36 PM | -0.5 | 0.0  | -0.3 | 9.2  | 1.5 |
| 7/1/2020 10:42 PM | -0.5 | 0.0  | -0.3 | 12.1 | 0.2 |
| 7/1/2020 10:48 PM | -0.5 | 0.0  | -0.3 | 11.0 | 0.1 |
| 7/1/2020 10:54 PM | -0.5 | 0.0  | -0.3 | 10.4 | 0.1 |
| 7/1/2020 11:00 PM | -0.5 | 0.0  | -0.3 | 10.5 | 0.1 |
| 7/1/2020 11:06 PM | -0.5 | 0.1  | -0.3 | 10.5 | 0.1 |
| 7/1/2020 11:12 PM | -0.5 | 0.1  | -0.3 | 10.5 | 0.1 |
| 7/1/2020 11:18 PM | -0.5 | 0.1  | -0.3 | 10.7 | 0.1 |
| 7/1/2020 11:24 PM | -0.5 | 0.1  | -0.3 | 10.8 | 0.1 |
| 7/1/2020 11:30 PM | -0.5 | 0.1  | -0.3 | 10.7 | 0.1 |
| 7/1/2020 11:36 PM | -0.5 | 0.1  | -0.2 | 10.7 | 0.1 |
| 7/1/2020 11:42 PM | -0.5 | 0.1  | -0.2 | 10.5 | 0.1 |
| 7/1/2020 11:48 PM | -0.5 | 0.1  | -0.3 | 10.4 | 0.1 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/1/2020 11:54 PM | -0.5 | 0.1 | -0.3 | 10.4 | 0.1 |
| 7/2/2020 12:00 AM | -0.5 | 0.1 | -0.3 | 10.5 | 0.1 |
| 7/2/2020 12:06 AM | -0.5 | 0.1 | -0.3 | 9.7  | 0.1 |
| 7/2/2020 12:12 AM | -0.5 | 0.1 | -0.3 | 6.1  | 0.1 |
| 7/2/2020 12:18 AM | -0.5 | 0.1 | -0.3 | 4.2  | 0.0 |
| 7/2/2020 12:24 AM | -0.5 | 0.1 | -0.3 | 4.3  | 0.0 |
| 7/2/2020 12:30 AM | -0.5 | 0.1 | -0.3 | 4.4  | 0.1 |
| 7/2/2020 12:36 AM | -0.5 | 0.1 | -0.3 | 4.3  | 0.1 |
| 7/2/2020 12:42 AM | -0.5 | 0.1 | -0.3 | 4.3  | 0.1 |
| 7/2/2020 12:48 AM | -0.5 | 0.1 | -0.3 | 4.3  | 0.1 |
| 7/2/2020 12:54 AM | -0.5 | 0.1 | -0.3 | 4.5  | 0.1 |
| 7/2/2020 1:00 AM  | -0.5 | 0.1 | -0.3 | 4.5  | 0.1 |
| 7/2/2020 1:06 AM  | -0.5 | 0.1 | -0.3 | 4.4  | 0.1 |
| 7/2/2020 1:12 AM  | -0.5 | 0.1 | -0.3 | 4.4  | 0.1 |
| 7/2/2020 1:18 AM  | -0.5 | 0.1 | -0.3 | 4.6  | 0.1 |
| 7/2/2020 1:24 AM  | -0.5 | 0.1 | -0.2 | 4.8  | 0.1 |
| 7/2/2020 1:30 AM  | -0.5 | 0.1 | -0.2 | 5.0  | 0.0 |
| 7/2/2020 1:36 AM  | -0.5 | 0.1 | -0.2 | 4.8  | 0.1 |
| 7/2/2020 1:42 AM  | -0.5 | 0.1 | -0.2 | 4.3  | 0.1 |
| 7/2/2020 1:48 AM  | -0.5 | 0.1 | -0.2 | 4.4  | 0.0 |
| 7/2/2020 1:54 AM  | -0.5 | 0.1 | -0.2 | 4.4  | 0.0 |
| 7/2/2020 2:00 AM  | -0.5 | 0.1 | -0.2 | 4.4  | 0.0 |
| 7/2/2020 2:06 AM  | -0.5 | 0.1 | -0.2 | 4.5  | 0.0 |
| 7/2/2020 2:12 AM  | -0.5 | 0.1 | -0.2 | 4.4  | 0.0 |
| 7/2/2020 2:18 AM  | -0.5 | 0.2 | -0.2 | 4.4  | 0.1 |
| 7/2/2020 2:24 AM  | -0.5 | 0.2 | -0.2 | 4.3  | 0.1 |
| 7/2/2020 2:30 AM  | -0.5 | 0.2 | -0.3 | 4.3  | 0.1 |
| 7/2/2020 2:36 AM  | -0.5 | 0.2 | -0.3 | 4.3  | 0.0 |
| 7/2/2020 2:42 AM  | -0.5 | 0.2 | -0.3 | 4.5  | 0.0 |
| 7/2/2020 2:48 AM  | -0.5 | 0.2 | -0.3 | 4.3  | 0.0 |
| 7/2/2020 2:54 AM  | -0.5 | 0.2 | -0.3 | 4.2  | 0.0 |
| 7/2/2020 3:00 AM  | -0.5 | 0.2 | -0.3 | 4.1  | 0.0 |
| 7/2/2020 3:06 AM  | -0.5 | 0.2 | -0.3 | 4.2  | 0.0 |
| 7/2/2020 3:12 AM  | -0.5 | 0.2 | -0.3 | 4.2  | 0.0 |
| 7/2/2020 3:18 AM  | -0.5 | 0.3 | -0.3 | 4.2  | 0.1 |
| 7/2/2020 3:24 AM  | -0.5 | 0.3 | -0.3 | 4.3  | 0.0 |
| 7/2/2020 3:30 AM  | -0.5 | 0.3 | -0.3 | 4.4  | 0.0 |
| 7/2/2020 3:36 AM  | -0.5 | 0.3 | -0.3 | 4.3  | 0.1 |
| 7/2/2020 3:42 AM  | -0.5 | 0.4 | -0.3 | 4.4  | 0.1 |
| 7/2/2020 3:48 AM  | -0.5 | 0.4 | -0.3 | 4.3  | 0.1 |
| 7/2/2020 3:54 AM  | -0.5 | 0.4 | -0.3 | 4.3  | 0.0 |
| 7/2/2020 4:00 AM  | -0.5 | 0.4 | -0.3 | 4.2  | 0.1 |
| 7/2/2020 4:06 AM  | -0.5 | 0.4 | -0.3 | 4.3  | 0.1 |
| 7/2/2020 4:12 AM  | -0.5 | 0.4 | -0.3 | 4.4  | 0.1 |
| 7/2/2020 4:18 AM  | -0.5 | 0.4 | -0.3 | 4.2  | 0.1 |
| 7/2/2020 4:24 AM  | -0.5 | 0.4 | -0.3 | 4.1  | 0.1 |
| 7/2/2020 4:30 AM  | -0.5 | 0.4 | -0.3 | 4.1  | 0.1 |
| 7/2/2020 4:36 AM  | -0.5 | 0.4 | -0.3 | 4.2  | 0.1 |
| 7/2/2020 4:42 AM  | -0.5 | 0.5 | -0.3 | 4.3  | 0.1 |
| 7/2/2020 4:48 AM  | -0.5 | 0.5 | -0.3 | 4.2  | 0.0 |

|                  |      |      |      |      |     |
|------------------|------|------|------|------|-----|
| 7/2/2020 4:54 AM | -0.5 | 0.6  | -0.4 | 4.6  | 0.1 |
| 7/2/2020 5:00 AM | -0.5 | 0.8  | -0.5 | 5.7  | 0.1 |
| 7/2/2020 5:06 AM | -0.5 | 0.9  | -0.6 | 6.2  | 0.1 |
| 7/2/2020 5:12 AM | -0.5 | 1.0  | -0.7 | 6.0  | 0.1 |
| 7/2/2020 5:18 AM | -0.5 | 1.0  | -0.8 | 6.0  | 0.1 |
| 7/2/2020 5:24 AM | -0.5 | 1.1  | -0.9 | 5.9  | 0.1 |
| 7/2/2020 5:30 AM | -0.5 | 1.1  | -1.0 | 5.6  | 0.1 |
| 7/2/2020 5:36 AM | -0.5 | 1.1  | -1.0 | 5.3  | 0.1 |
| 7/2/2020 5:42 AM | -0.5 | 1.2  | -1.1 | 5.2  | 0.0 |
| 7/2/2020 5:48 AM | -0.5 | 1.2  | -1.1 | 5.2  | 0.0 |
| 7/2/2020 5:54 AM | -0.5 | 1.2  | -1.1 | 5.1  | 0.0 |
| 7/2/2020 6:00 AM | -0.5 | 1.2  | -1.1 | 5.1  | 0.0 |
| 7/2/2020 6:06 AM | -0.5 | 1.2  | -1.1 | 5.0  | 0.0 |
| 7/2/2020 6:12 AM | -0.5 | 1.2  | -1.1 | 5.1  | 0.0 |
| 7/2/2020 6:18 AM | -0.5 | 1.1  | -1.1 | 5.2  | 0.0 |
| 7/2/2020 6:24 AM | -0.5 | 1.1  | -1.1 | 5.1  | 0.0 |
| 7/2/2020 6:30 AM | -0.5 | 1.0  | -1.1 | 5.0  | 0.0 |
| 7/2/2020 6:36 AM | -0.5 | 0.9  | -1.0 | 5.2  | 0.0 |
| 7/2/2020 6:42 AM | -0.5 | 0.9  | -1.0 | 8.1  | 0.0 |
| 7/2/2020 6:48 AM | -0.5 | 0.8  | -1.0 | 9.6  | 0.1 |
| 7/2/2020 6:54 AM | -0.5 | 0.8  | -1.1 | 9.2  | 0.1 |
| 7/2/2020 7:00 AM | -0.5 | 0.7  | -1.1 | 9.2  | 0.0 |
| 7/2/2020 7:06 AM | -0.4 | 0.7  | -1.1 | 9.7  | 0.0 |
| 7/2/2020 7:12 AM | -0.4 | 0.6  | -1.1 | 9.9  | 0.1 |
| 7/2/2020 7:18 AM | -0.4 | 0.6  | -1.0 | 9.7  | 0.1 |
| 7/2/2020 7:24 AM | -0.4 | 0.6  | -1.0 | 9.5  | 0.0 |
| 7/2/2020 7:30 AM | -0.4 | 0.5  | -1.0 | 9.2  | 0.0 |
| 7/2/2020 7:36 AM | -0.4 | 0.4  | -1.0 | 9.2  | 0.1 |
| 7/2/2020 7:42 AM | -0.4 | 0.4  | -1.0 | 8.9  | 0.1 |
| 7/2/2020 7:48 AM | -0.4 | 0.3  | -1.0 | 8.2  | 0.1 |
| 7/2/2020 7:54 AM | -0.4 | 0.2  | -0.9 | 8.0  | 0.0 |
| 7/2/2020 8:00 AM | -0.4 | 0.0  | -0.9 | 8.9  | 0.0 |
| 7/2/2020 8:06 AM | -0.4 | -0.1 | -0.9 | 10.2 | 0.0 |
| 7/2/2020 8:12 AM | -0.4 | -0.2 | -0.9 | 10.2 | 0.0 |
| 7/2/2020 8:18 AM | -0.4 | -0.2 | -0.8 | 9.8  | 0.1 |
| 7/2/2020 8:24 AM | -0.4 | -0.2 | -0.8 | 9.8  | 0.0 |
| 7/2/2020 8:30 AM | -0.4 | -0.1 | -0.9 | 9.8  | 0.0 |
| 7/2/2020 8:36 AM | -0.4 | -0.1 | -0.8 | 9.9  | 0.0 |
| 7/2/2020 8:42 AM | -0.3 | -0.1 | -0.8 | 10.1 | 0.1 |
| 7/2/2020 8:48 AM | -0.3 | -0.1 | -0.7 | 10.0 | 0.0 |
| 7/2/2020 8:54 AM | -0.3 | -0.1 | -0.6 | 10.0 | 0.0 |
| 7/2/2020 9:00 AM | -0.3 | -0.1 | -0.4 | 10.9 | 0.0 |
| 7/2/2020 9:06 AM | -0.3 | -0.2 | -0.2 | 11.7 | 0.0 |
| 7/2/2020 9:12 AM | -0.3 | -0.1 | -0.1 | 11.3 | 0.0 |
| 7/2/2020 9:18 AM | -0.3 | -0.1 | 0.0  | 11.2 | 0.0 |
| 7/2/2020 9:24 AM | -0.3 | -0.1 | 0.0  | 11.6 | 0.0 |
| 7/2/2020 9:30 AM | -0.3 | 7.2  | 0.0  | 10.4 | 0.1 |
| 7/2/2020 9:36 AM | -0.3 | 15.1 | 0.0  | 5.0  | 0.0 |
| 7/2/2020 9:42 AM | -0.2 | 10.1 | 0.0  | 2.7  | 0.0 |
| 7/2/2020 9:48 AM | -0.2 | 6.3  | 0.0  | 2.8  | 0.0 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 7/2/2020 9:54 AM  | -0.2 | 3.9 | 0.0  | 2.7 | 0.0 |
| 7/2/2020 10:00 AM | -0.2 | 3.1 | 0.0  | 2.4 | 0.0 |
| 7/2/2020 10:06 AM | -0.2 | 3.2 | 0.0  | 2.2 | 4.6 |
| 7/2/2020 10:12 AM | -0.2 | 3.3 | 0.0  | 2.2 | 5.8 |
| 7/2/2020 10:18 AM | -0.2 | 3.3 | 0.0  | 2.2 | 0.9 |
| 7/2/2020 10:24 AM | -0.2 | 3.2 | 0.0  | 2.4 | 0.2 |
| 7/2/2020 10:30 AM | -0.2 | 2.6 | 0.0  | 2.4 | 0.1 |
| 7/2/2020 10:36 AM | -0.3 | 2.0 | 0.0  | 2.4 | 0.1 |
| 7/2/2020 10:42 AM | -0.3 | 1.6 | 0.0  | 2.4 | 0.1 |
| 7/2/2020 10:48 AM | -0.3 | 1.3 | 0.0  | 2.4 | 0.1 |
| 7/2/2020 10:54 AM | -0.3 | 1.0 | 0.0  | 2.5 | 0.1 |
| 7/2/2020 11:00 AM | -0.3 | 0.9 | 0.0  | 2.5 | 0.1 |
| 7/2/2020 11:06 AM | -0.3 | 0.8 | 0.0  | 2.4 | 0.1 |
| 7/2/2020 11:12 AM | -0.3 | 0.8 | 0.1  | 2.5 | 0.1 |
| 7/2/2020 11:18 AM | -0.3 | 0.7 | 0.1  | 2.6 | 0.0 |
| 7/2/2020 11:24 AM | -0.3 | 0.7 | 0.1  | 2.6 | 0.0 |
| 7/2/2020 11:30 AM | -0.3 | 0.6 | 0.1  | 2.6 | 0.0 |
| 7/2/2020 11:36 AM | -0.3 | 0.6 | 0.1  | 2.5 | 0.1 |
| 7/2/2020 11:42 AM | -0.3 | 0.6 | 0.1  | 2.5 | 0.1 |
| 7/2/2020 11:48 AM | -0.3 | 0.5 | 0.1  | 2.5 | 0.1 |
| 7/2/2020 11:54 AM | -0.2 | 0.5 | 0.1  | 2.5 | 0.1 |
| 7/2/2020 12:00 PM | -0.3 | 0.5 | 0.1  | 2.5 | 0.1 |
| 7/2/2020 12:06 PM | -0.3 | 0.4 | 0.1  | 2.5 | 0.1 |
| 7/2/2020 12:12 PM | -0.3 | 0.4 | 0.1  | 2.5 | 0.1 |
| 7/2/2020 12:18 PM | -0.3 | 0.4 | 0.1  | 2.5 | 0.1 |
| 7/2/2020 12:24 PM | -0.3 | 0.4 | 0.0  | 2.5 | 0.1 |
| 7/2/2020 12:30 PM | -0.3 | 0.4 | 0.0  | 2.6 | 0.1 |
| 7/2/2020 12:36 PM | -0.3 | 0.4 | 0.0  | 2.6 | 0.1 |
| 7/2/2020 12:42 PM | -0.3 | 0.4 | -0.1 | 2.6 | 0.1 |
| 7/2/2020 12:48 PM | -0.3 | 0.4 | 0.0  | 2.7 | 0.1 |
| 7/2/2020 12:54 PM | -0.3 | 0.4 | 0.0  | 2.6 | 0.1 |
| 7/2/2020 1:00 PM  | -0.3 | 0.4 | 0.0  | 2.5 | 0.1 |
| 7/2/2020 1:06 PM  | -0.3 | 0.4 | 0.0  | 2.4 | 0.1 |
| 7/2/2020 1:12 PM  | -0.3 | 0.4 | 0.0  | 2.4 | 0.1 |
| 7/2/2020 1:18 PM  | -0.3 | 0.4 | 0.0  | 2.4 | 0.1 |
| 7/2/2020 1:24 PM  | -0.3 | 0.4 | 0.0  | 2.4 | 0.1 |
| 7/2/2020 1:30 PM  | -0.3 | 0.4 | 0.0  | 2.5 | 0.1 |
| 7/2/2020 1:36 PM  | -0.3 | 0.4 | -0.1 | 2.5 | 0.1 |
| 7/2/2020 1:42 PM  | -0.3 | 0.3 | -0.1 | 2.5 | 0.1 |
| 7/2/2020 1:48 PM  | -0.3 | 0.4 | -0.1 | 2.5 | 0.1 |
| 7/2/2020 1:54 PM  | -0.3 | 0.4 | 0.0  | 2.5 | 0.1 |
| 7/2/2020 2:00 PM  | -0.3 | 0.3 | 0.0  | 2.6 | 0.1 |
| 7/2/2020 2:06 PM  | -0.3 | 0.3 | 0.0  | 2.5 | 0.1 |
| 7/2/2020 2:12 PM  | -0.3 | 0.4 | 0.0  | 2.4 | 0.1 |
| 7/2/2020 2:18 PM  | -0.3 | 0.4 | 0.0  | 2.5 | 0.1 |
| 7/2/2020 2:24 PM  | -0.3 | 0.4 | -0.1 | 2.5 | 0.1 |
| 7/2/2020 2:30 PM  | -0.3 | 0.4 | -0.1 | 2.5 | 0.1 |
| 7/2/2020 2:36 PM  | -0.3 | 0.3 | -0.1 | 2.6 | 0.1 |
| 7/2/2020 2:42 PM  | -0.3 | 0.3 | -0.2 | 2.6 | 0.1 |
| 7/2/2020 2:48 PM  | -0.3 | 0.4 | -0.1 | 2.5 | 0.1 |

|                  |      |      |      |     |     |
|------------------|------|------|------|-----|-----|
| 7/2/2020 2:54 PM | -0.3 | 0.4  | -0.1 | 2.5 | 0.1 |
| 7/2/2020 3:00 PM | -0.3 | 0.3  | -0.1 | 2.6 | 0.0 |
| 7/2/2020 3:06 PM | -0.3 | 0.3  | -0.2 | 2.5 | 0.1 |
| 7/2/2020 3:12 PM | -0.3 | 0.3  | -0.2 | 2.1 | 0.1 |
| 7/2/2020 3:18 PM | -0.3 | 0.3  | -0.2 | 2.0 | 0.1 |
| 7/2/2020 3:24 PM | -0.3 | 0.3  | -0.2 | 2.0 | 0.1 |
| 7/2/2020 3:30 PM | -0.3 | 0.2  | -0.2 | 2.0 | 0.0 |
| 7/2/2020 3:36 PM | -0.3 | 0.2  | -0.2 | 2.0 | 0.0 |
| 7/2/2020 3:42 PM | -0.3 | 0.2  | -0.2 | 2.0 | 0.0 |
| 7/2/2020 3:48 PM | -0.3 | 0.2  | -0.2 | 2.0 | 0.0 |
| 7/2/2020 3:54 PM | -0.3 | 0.2  | -0.3 | 2.0 | 0.1 |
| 7/2/2020 4:00 PM | -0.3 | 0.2  | -0.3 | 2.0 | 0.1 |
| 7/2/2020 4:06 PM | -0.3 | 0.3  | -0.3 | 2.0 | 0.1 |
| 7/2/2020 4:12 PM | -0.3 | 0.2  | -0.3 | 2.0 | 0.0 |
| 7/2/2020 4:18 PM | -0.3 | 0.2  | -0.3 | 2.0 | 0.0 |
| 7/2/2020 4:24 PM | -0.3 | 0.2  | -0.3 | 2.0 | 0.0 |
| 7/2/2020 4:30 PM | -0.3 | 0.1  | -0.3 | 2.1 | 0.0 |
| 7/2/2020 4:36 PM | -0.3 | 0.0  | -0.3 | 2.1 | 0.0 |
| 7/2/2020 4:42 PM | -0.3 | -0.1 | -0.3 | 2.0 | 0.1 |
| 7/2/2020 4:48 PM | -0.4 | 0.1  | -0.3 | 2.1 | 0.1 |
| 7/2/2020 4:54 PM | -0.4 | 0.1  | -0.3 | 2.2 | 0.1 |
| 7/2/2020 5:00 PM | -0.4 | 0.1  | -0.3 | 2.1 | 0.1 |
| 7/2/2020 5:06 PM | -0.4 | 0.1  | -0.4 | 2.1 | 0.0 |
| 7/2/2020 5:12 PM | -0.4 | 0.1  | -0.4 | 2.1 | 0.0 |
| 7/2/2020 5:18 PM | -0.4 | 0.2  | -0.4 | 2.2 | 0.0 |
| 7/2/2020 5:24 PM | -0.4 | 0.1  | -0.4 | 2.1 | 0.0 |
| 7/2/2020 5:30 PM | -0.4 | 0.1  | -0.4 | 2.2 | 0.1 |
| 7/2/2020 5:36 PM | -0.4 | 0.1  | -0.4 | 2.3 | 0.0 |
| 7/2/2020 5:42 PM | -0.4 | 0.1  | -0.4 | 2.2 | 0.0 |
| 7/2/2020 5:48 PM | -0.4 | 0.1  | -0.4 | 2.1 | 0.0 |
| 7/2/2020 5:54 PM | -0.4 | 0.1  | -0.4 | 2.2 | 0.0 |
| 7/2/2020 6:00 PM | -0.4 | 0.1  | -0.3 | 2.1 | 0.0 |
| 7/2/2020 6:06 PM | -0.4 | 0.1  | -0.3 | 2.1 | 0.0 |
| 7/2/2020 6:12 PM | -0.4 | 0.1  | -0.3 | 2.1 | 0.0 |
| 7/2/2020 6:18 PM | -0.4 | 0.1  | -0.3 | 2.1 | 0.0 |
| 7/2/2020 6:24 PM | -0.4 | 0.0  | -0.3 | 2.1 | 0.0 |
| 7/2/2020 6:30 PM | -0.4 | 0.0  | -0.4 | 2.2 | 0.0 |
| 7/2/2020 6:36 PM | -0.4 | 0.1  | -0.4 | 2.2 | 0.0 |
| 7/2/2020 6:42 PM | -0.4 | 0.1  | -0.4 | 2.2 | 0.0 |
| 7/2/2020 6:48 PM | -0.4 | 0.0  | -0.4 | 2.1 | 0.0 |
| 7/2/2020 6:54 PM | -0.4 | 0.0  | -0.4 | 2.2 | 0.0 |
| 7/2/2020 7:00 PM | -0.4 | 0.1  | -0.4 | 2.1 | 0.0 |
| 7/2/2020 7:06 PM | -0.4 | 0.1  | -0.4 | 2.1 | 0.1 |
| 7/2/2020 7:12 PM | -0.4 | 0.0  | -0.5 | 2.2 | 0.0 |
| 7/2/2020 7:18 PM | -0.4 | 0.0  | -0.5 | 2.1 | 0.0 |
| 7/2/2020 7:24 PM | -0.4 | 0.0  | -0.5 | 2.1 | 0.0 |
| 7/2/2020 7:30 PM | -0.4 | 0.1  | -0.5 | 2.3 | 0.0 |
| 7/2/2020 7:36 PM | -0.4 | 0.1  | -0.5 | 2.3 | 0.0 |
| 7/2/2020 7:42 PM | -0.4 | 0.1  | -0.4 | 2.2 | 0.0 |
| 7/2/2020 7:48 PM | -0.4 | 0.1  | -0.4 | 2.2 | 0.0 |



|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 7/2/2020 7:54 PM  | -0.4 | 0.1 | -0.4 | 2.2 | 0.0 |
| 7/2/2020 8:00 PM  | -0.4 | 0.1 | -0.4 | 2.1 | 0.0 |
| 7/2/2020 8:06 PM  | -0.4 | 0.1 | -0.4 | 2.2 | 0.0 |
| 7/2/2020 8:12 PM  | -0.4 | 0.1 | -0.5 | 2.3 | 0.0 |
| 7/2/2020 8:18 PM  | -0.4 | 0.1 | -0.5 | 2.2 | 0.0 |
| 7/2/2020 8:24 PM  | -0.4 | 0.1 | -0.6 | 2.4 | 0.0 |
| 7/2/2020 8:30 PM  | -0.4 | 0.1 | -0.6 | 2.7 | 0.0 |
| 7/2/2020 8:36 PM  | -0.4 | 0.1 | -0.6 | 2.8 | 0.0 |
| 7/2/2020 8:42 PM  | -0.5 | 0.1 | -0.6 | 2.6 | 0.0 |
| 7/2/2020 8:48 PM  | -0.5 | 0.1 | -0.6 | 2.5 | 0.0 |
| 7/2/2020 8:54 PM  | -0.5 | 0.1 | -0.6 | 2.5 | 0.0 |
| 7/2/2020 9:00 PM  | -0.5 | 0.1 | -0.6 | 2.5 | 0.0 |
| 7/2/2020 9:06 PM  | -0.5 | 0.1 | -0.6 | 2.6 | 0.0 |
| 7/2/2020 9:12 PM  | -0.5 | 0.1 | -0.6 | 2.5 | 0.0 |
| 7/2/2020 9:18 PM  | -0.5 | 0.1 | -0.6 | 2.5 | 0.0 |
| 7/2/2020 9:24 PM  | -0.5 | 0.1 | -0.6 | 2.5 | 0.0 |
| 7/2/2020 9:30 PM  | -0.5 | 0.1 | -0.6 | 2.5 | 0.0 |
| 7/2/2020 9:36 PM  | -0.5 | 0.1 | -0.6 | 2.5 | 0.0 |
| 7/2/2020 9:42 PM  | -0.5 | 0.1 | -0.6 | 2.6 | 0.0 |
| 7/2/2020 9:48 PM  | -0.5 | 0.1 | -0.6 | 2.6 | 0.0 |
| 7/2/2020 9:54 PM  | -0.5 | 0.1 | -0.6 | 2.6 | 0.0 |
| 7/2/2020 10:00 PM | -0.5 | 0.1 | -0.6 | 2.6 | 0.0 |
| 7/2/2020 10:06 PM | -0.5 | 0.1 | -0.6 | 2.5 | 0.0 |
| 7/2/2020 10:12 PM | -0.5 | 0.1 | -0.6 | 2.5 | 0.0 |
| 7/2/2020 10:18 PM | -0.5 | 0.0 | -0.6 | 2.6 | 0.0 |
| 7/2/2020 10:24 PM | -0.5 | 0.1 | -0.6 | 2.7 | 0.0 |
| 7/2/2020 10:30 PM | -0.5 | 0.1 | -0.6 | 2.6 | 0.0 |
| 7/2/2020 10:36 PM | -0.5 | 0.1 | -0.6 | 2.6 | 0.0 |
| 7/2/2020 10:42 PM | -0.5 | 0.1 | -0.5 | 2.6 | 0.0 |
| 7/2/2020 10:48 PM | -0.5 | 0.1 | -0.5 | 2.5 | 0.0 |
| 7/2/2020 10:54 PM | -0.5 | 0.1 | -0.5 | 2.4 | 0.0 |
| 7/2/2020 11:00 PM | -0.5 | 0.1 | -0.5 | 2.4 | 0.0 |
| 7/2/2020 11:06 PM | -0.5 | 0.1 | -0.5 | 2.5 | 0.0 |
| 7/2/2020 11:12 PM | -0.5 | 0.1 | -0.5 | 2.6 | 0.0 |
| 7/2/2020 11:18 PM | -0.5 | 0.1 | -0.5 | 2.6 | 0.0 |
| 7/2/2020 11:24 PM | -0.5 | 0.1 | -0.5 | 2.6 | 0.0 |
| 7/2/2020 11:30 PM | -0.5 | 0.1 | -0.5 | 2.6 | 0.0 |
| 7/2/2020 11:36 PM | -0.5 | 0.1 | -0.5 | 2.5 | 0.0 |
| 7/2/2020 11:42 PM | -0.5 | 0.1 | -0.5 | 2.5 | 0.0 |
| 7/2/2020 11:48 PM | -0.5 | 0.1 | -0.5 | 2.5 | 0.0 |
| 7/2/2020 11:54 PM | -0.5 | 0.0 | -0.4 | 2.5 | 0.0 |
| 7/3/2020 12:00 AM | -0.5 | 0.0 | -0.4 | 2.5 | 0.0 |
| 7/3/2020 12:06 AM | -0.5 | 0.0 | -0.5 | 2.5 | 0.0 |
| 7/3/2020 12:12 AM | -0.5 | 0.1 | -0.5 | 2.6 | 0.0 |
| 7/3/2020 12:18 AM | -0.5 | 0.1 | -0.5 | 2.6 | 0.0 |
| 7/3/2020 12:24 AM | -0.5 | 0.0 | -0.5 | 2.6 | 0.0 |
| 7/3/2020 12:30 AM | -0.5 | 0.1 | -0.5 | 2.5 | 0.0 |
| 7/3/2020 12:36 AM | -0.5 | 0.1 | -0.5 | 2.6 | 0.0 |
| 7/3/2020 12:42 AM | -0.5 | 0.1 | -0.5 | 1.7 | 0.0 |
| 7/3/2020 12:48 AM | -0.5 | 0.3 | -0.5 | 0.1 | 0.0 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/3/2020 12:54 AM | -0.5 | 0.5 | -0.5 | -0.5 | 0.0 |
| 7/3/2020 1:00 AM  | -0.5 | 0.3 | -0.5 | -0.6 | 0.0 |
| 7/3/2020 1:06 AM  | -0.5 | 0.2 | -0.5 | -0.6 | 0.0 |
| 7/3/2020 1:12 AM  | -0.5 | 0.2 | -0.5 | -0.6 | 0.0 |
| 7/3/2020 1:18 AM  | -0.5 | 0.2 | -0.5 | -0.6 | 0.0 |
| 7/3/2020 1:24 AM  | -0.5 | 0.1 | -0.5 | -0.6 | 0.0 |
| 7/3/2020 1:30 AM  | -0.5 | 0.1 | -0.5 | -0.6 | 0.0 |
| 7/3/2020 1:36 AM  | -0.5 | 0.2 | -0.5 | -0.6 | 0.0 |
| 7/3/2020 1:42 AM  | -0.5 | 0.2 | -0.5 | -0.6 | 0.0 |
| 7/3/2020 1:48 AM  | -0.5 | 0.1 | -0.5 | -0.6 | 1.0 |
| 7/3/2020 1:54 AM  | -0.5 | 0.1 | -0.5 | -0.6 | 1.0 |
| 7/3/2020 2:00 AM  | -0.5 | 0.1 | -0.5 | -0.6 | 0.9 |
| 7/3/2020 2:06 AM  | -0.5 | 0.1 | -0.5 | -0.6 | 0.9 |
| 7/3/2020 2:12 AM  | -0.5 | 0.0 | -0.5 | -0.6 | 0.8 |
| 7/3/2020 2:18 AM  | -0.5 | 0.1 | -0.5 | -0.5 | 0.8 |
| 7/3/2020 2:24 AM  | -0.5 | 0.1 | -0.5 | -0.5 | 0.8 |
| 7/3/2020 2:30 AM  | -0.5 | 0.1 | -0.5 | -0.5 | 0.8 |
| 7/3/2020 2:36 AM  | -0.5 | 0.1 | -0.5 | -0.5 | 0.8 |
| 7/3/2020 2:42 AM  | -0.5 | 0.1 | -0.5 | -0.5 | 0.8 |
| 7/3/2020 2:48 AM  | -0.5 | 0.1 | -0.5 | -0.5 | 0.8 |
| 7/3/2020 2:54 AM  | -0.5 | 0.1 | -0.6 | -0.5 | 0.9 |
| 7/3/2020 3:00 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 0.9 |
| 7/3/2020 3:06 AM  | -0.5 | 0.1 | -0.6 | -0.5 | 0.9 |
| 7/3/2020 3:12 AM  | -0.5 | 0.1 | -0.6 | -0.5 | 0.9 |
| 7/3/2020 3:18 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 0.8 |
| 7/3/2020 3:24 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 0.8 |
| 7/3/2020 3:30 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 0.9 |
| 7/3/2020 3:36 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 1.0 |
| 7/3/2020 3:42 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 1.0 |
| 7/3/2020 3:48 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 0.9 |
| 7/3/2020 3:54 AM  | -0.5 | 0.1 | -0.6 | -0.5 | 0.9 |
| 7/3/2020 4:00 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 1.0 |
| 7/3/2020 4:06 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 1.1 |
| 7/3/2020 4:12 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 1.0 |
| 7/3/2020 4:18 AM  | -0.5 | 0.0 | -0.6 | -0.6 | 1.0 |
| 7/3/2020 4:24 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 0.9 |
| 7/3/2020 4:30 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 1.0 |
| 7/3/2020 4:36 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 1.0 |
| 7/3/2020 4:42 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 0.9 |
| 7/3/2020 4:48 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 0.9 |
| 7/3/2020 4:54 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 0.8 |
| 7/3/2020 5:00 AM  | -0.5 | 0.0 | -0.6 | -0.5 | 0.9 |
| 7/3/2020 5:06 AM  | -0.5 | 0.0 | -0.7 | -0.5 | 1.0 |
| 7/3/2020 5:12 AM  | -0.5 | 0.0 | -0.7 | -0.5 | 0.9 |
| 7/3/2020 5:18 AM  | -0.5 | 0.1 | -0.8 | -0.5 | 0.9 |
| 7/3/2020 5:24 AM  | -0.5 | 0.1 | -0.9 | -0.5 | 1.1 |
| 7/3/2020 5:30 AM  | -0.5 | 0.1 | -0.9 | -0.5 | 1.1 |
| 7/3/2020 5:36 AM  | -0.5 | 0.1 | -1.0 | -0.5 | 1.2 |
| 7/3/2020 5:42 AM  | -0.5 | 0.1 | -1.0 | -0.5 | 0.0 |
| 7/3/2020 5:48 AM  | -0.5 | 0.1 | -1.0 | -0.5 | 0.0 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/3/2020 5:54 AM  | -0.5 | 0.1 | -0.9 | -0.5 | 0.0 |
| 7/3/2020 6:00 AM  | -0.5 | 0.1 | -0.9 | -0.5 | 0.0 |
| 7/3/2020 6:06 AM  | -0.5 | 0.1 | -0.9 | -0.5 | 0.0 |
| 7/3/2020 6:12 AM  | -0.5 | 0.1 | -0.8 | -0.5 | 0.0 |
| 7/3/2020 6:18 AM  | -0.5 | 0.1 | -0.8 | -0.5 | 0.0 |
| 7/3/2020 6:24 AM  | -0.5 | 0.1 | -0.8 | -0.5 | 0.0 |
| 7/3/2020 6:30 AM  | -0.5 | 0.1 | -1.0 | -0.5 | 0.0 |
| 7/3/2020 6:36 AM  | -0.5 | 0.1 | -1.0 | -0.5 | 0.0 |
| 7/3/2020 6:42 AM  | -0.5 | 0.1 | -1.0 | -0.5 | 0.0 |
| 7/3/2020 6:48 AM  | -0.5 | 0.1 | -1.0 | -0.5 | 0.0 |
| 7/3/2020 6:54 AM  | -0.5 | 0.1 | -1.0 | -0.6 | 0.0 |
| 7/3/2020 7:00 AM  | -0.5 | 0.3 | -1.0 | -0.6 | 0.0 |
| 7/3/2020 7:06 AM  | -0.5 | 0.5 | -0.8 | -0.5 | 0.0 |
| 7/3/2020 7:12 AM  | -0.5 | 0.5 | -0.7 | -0.5 | 0.0 |
| 7/3/2020 7:18 AM  | -0.5 | 0.4 | -0.5 | -0.5 | 0.0 |
| 7/3/2020 7:24 AM  | -0.5 | 0.3 | -0.3 | -0.5 | 0.0 |
| 7/3/2020 7:30 AM  | -0.5 | 0.3 | -0.2 | -0.5 | 0.0 |
| 7/3/2020 7:36 AM  | -0.5 | 0.3 | -0.1 | -0.5 | 0.0 |
| 7/3/2020 7:42 AM  | -0.5 | 0.4 | 0.0  | -0.5 | 0.0 |
| 7/3/2020 7:48 AM  | -0.5 | 0.4 | 0.0  | -0.5 | 0.0 |
| 7/3/2020 7:54 AM  | -0.5 | 1.1 | 0.0  | -0.5 | 0.0 |
| 7/3/2020 8:00 AM  | -0.5 | 1.8 | -0.1 | -0.5 | 0.0 |
| 7/3/2020 8:06 AM  | -0.5 | 1.6 | -0.1 | -0.5 | 0.0 |
| 7/3/2020 8:12 AM  | -0.5 | 1.4 | -0.1 | -0.5 | 0.0 |
| 7/3/2020 8:18 AM  | -0.4 | 1.4 | -0.2 | -0.5 | 0.0 |
| 7/3/2020 8:24 AM  | -0.4 | 1.3 | -0.1 | -0.5 | 0.0 |
| 7/3/2020 8:30 AM  | -0.4 | 1.3 | -0.1 | -0.5 | 0.0 |
| 7/3/2020 8:36 AM  | -0.4 | 1.4 | 0.0  | -0.5 | 0.0 |
| 7/3/2020 8:42 AM  | -0.4 | 1.3 | -0.1 | -0.5 | 0.0 |
| 7/3/2020 8:48 AM  | -0.4 | 1.3 | -0.3 | -0.5 | 0.0 |
| 7/3/2020 8:54 AM  | -0.4 | 1.3 | -0.4 | -0.5 | 0.0 |
| 7/3/2020 9:00 AM  | -0.4 | 1.3 | -0.4 | -0.5 | 0.0 |
| 7/3/2020 9:06 AM  | -0.4 | 1.3 | -0.4 | 4.5  | 0.0 |
| 7/3/2020 9:12 AM  | -0.4 | 1.0 | -0.4 | 12.0 | 0.0 |
| 7/3/2020 9:18 AM  | -0.4 | 0.3 | -0.4 | 12.2 | 0.0 |
| 7/3/2020 9:24 AM  | -0.4 | 0.1 | -0.4 | 9.3  | 0.0 |
| 7/3/2020 9:30 AM  | -0.4 | 0.1 | -0.4 | 7.6  | 0.0 |
| 7/3/2020 9:36 AM  | -0.4 | 0.1 | -0.4 | 7.5  | 0.0 |
| 7/3/2020 9:42 AM  | -0.4 | 0.1 | -0.3 | 7.2  | 0.0 |
| 7/3/2020 9:48 AM  | -0.4 | 0.0 | -0.3 | 7.0  | 0.0 |
| 7/3/2020 9:54 AM  | -0.4 | 0.0 | -0.3 | 7.0  | 0.0 |
| 7/3/2020 10:00 AM | -0.4 | 0.0 | -0.3 | 7.1  | 0.0 |
| 7/3/2020 10:06 AM | -0.4 | 0.0 | -0.2 | 6.9  | 0.0 |
| 7/3/2020 10:12 AM | -0.4 | 0.0 | -0.2 | 6.6  | 0.0 |
| 7/3/2020 10:18 AM | -0.4 | 0.0 | -0.1 | 6.2  | 0.0 |
| 7/3/2020 10:24 AM | -0.4 | 0.0 | -0.1 | 5.9  | 0.0 |
| 7/3/2020 10:30 AM | -0.4 | 0.0 | -0.1 | 5.5  | 0.0 |
| 7/3/2020 10:36 AM | -0.4 | 0.1 | -0.1 | 4.9  | 0.0 |
| 7/3/2020 10:42 AM | -0.4 | 0.1 | -0.1 | 4.7  | 0.0 |
| 7/3/2020 10:48 AM | -0.4 | 0.1 | -0.1 | 4.4  | 0.0 |

|                   |      |     |      |     |      |
|-------------------|------|-----|------|-----|------|
| 7/3/2020 10:54 AM | -0.4 | 0.1 | -0.1 | 4.3 | 0.0  |
| 7/3/2020 11:00 AM | -0.4 | 0.2 | -0.1 | 4.1 | 0.0  |
| 7/3/2020 11:06 AM | -0.4 | 0.2 | 0.0  | 3.9 | 0.0  |
| 7/3/2020 11:12 AM | -0.4 | 0.2 | 0.0  | 3.8 | 0.0  |
| 7/3/2020 11:18 AM | -0.4 | 0.2 | 0.0  | 3.7 | 0.0  |
| 7/3/2020 11:24 AM | -0.4 | 0.2 | -0.1 | 3.6 | 0.0  |
| 7/3/2020 11:30 AM | -0.4 | 0.2 | -0.1 | 3.6 | 0.0  |
| 7/3/2020 11:36 AM | -0.4 | 0.1 | -0.1 | 3.5 | 0.0  |
| 7/3/2020 11:42 AM | -0.4 | 0.1 | -0.1 | 3.5 | 0.0  |
| 7/3/2020 11:48 AM | -0.4 | 0.1 | -0.1 | 3.5 | 0.0  |
| 7/3/2020 11:54 AM | -0.4 | 0.1 | -0.1 | 3.5 | 0.0  |
| 7/3/2020 12:00 PM | -0.4 | 0.2 | -0.1 | 3.4 | 0.0  |
| 7/3/2020 12:06 PM | -0.4 | 0.3 | -0.1 | 3.6 | 0.1  |
| 7/3/2020 12:12 PM | -0.4 | 0.3 | -0.1 | 3.5 | 0.1  |
| 7/3/2020 12:18 PM | -0.4 | 0.2 | -0.1 | 3.4 | 0.1  |
| 7/3/2020 12:24 PM | -0.4 | 0.3 | -0.1 | 3.5 | 0.1  |
| 7/3/2020 12:30 PM | -0.4 | 0.3 | -0.1 | 3.5 | 0.1  |
| 7/3/2020 12:36 PM | -0.4 | 0.2 | -0.1 | 3.5 | 6.8  |
| 7/3/2020 12:42 PM | -0.4 | 0.2 | -0.1 | 3.4 | 13.8 |
| 7/3/2020 12:48 PM | -0.4 | 0.3 | -0.1 | 3.4 | 10.0 |
| 7/3/2020 12:54 PM | -0.4 | 0.3 | -0.1 | 3.5 | 6.6  |
| 7/3/2020 1:00 PM  | -0.4 | 0.3 | -0.1 | 3.5 | 4.7  |
| 7/3/2020 1:06 PM  | -0.4 | 0.3 | 0.0  | 3.5 | 2.4  |
| 7/3/2020 1:12 PM  | -0.4 | 0.2 | 0.0  | 3.5 | 0.4  |
| 7/3/2020 1:18 PM  | -0.4 | 0.3 | 0.0  | 3.4 | 0.1  |
| 7/3/2020 1:24 PM  | -0.4 | 0.2 | 0.0  | 3.5 | 0.1  |
| 7/3/2020 1:30 PM  | -0.4 | 0.2 | 0.0  | 3.5 | 0.1  |
| 7/3/2020 1:36 PM  | -0.4 | 0.2 | 0.0  | 3.4 | 0.1  |
| 7/3/2020 1:42 PM  | -0.4 | 0.2 | 0.0  | 3.3 | 0.1  |
| 7/3/2020 1:48 PM  | -0.4 | 0.2 | 0.0  | 3.3 | 0.1  |
| 7/3/2020 1:54 PM  | -0.4 | 0.2 | 0.0  | 3.3 | 0.1  |
| 7/3/2020 2:00 PM  | -0.4 | 0.2 | 0.0  | 3.3 | 0.1  |
| 7/3/2020 2:06 PM  | -0.4 | 0.2 | 0.0  | 3.4 | 0.1  |
| 7/3/2020 2:12 PM  | -0.4 | 0.2 | 0.0  | 3.4 | 0.1  |
| 7/3/2020 2:18 PM  | -0.4 | 0.2 | 0.0  | 3.3 | 5.3  |
| 7/3/2020 2:24 PM  | -0.4 | 0.2 | 0.0  | 3.3 | 6.8  |
| 7/3/2020 2:30 PM  | -0.4 | 0.2 | 0.0  | 3.3 | 0.9  |
| 7/3/2020 2:36 PM  | -0.4 | 0.2 | 0.0  | 3.5 | 0.3  |
| 7/3/2020 2:42 PM  | -0.4 | 0.2 | 0.0  | 3.6 | 0.2  |
| 7/3/2020 2:48 PM  | -0.4 | 0.2 | 0.0  | 3.7 | 0.1  |
| 7/3/2020 2:54 PM  | -0.4 | 0.2 | 0.0  | 3.7 | 0.1  |
| 7/3/2020 3:00 PM  | -0.3 | 0.2 | -0.1 | 3.7 | 0.1  |
| 7/3/2020 3:06 PM  | -0.3 | 0.2 | -0.1 | 3.5 | 0.1  |
| 7/3/2020 3:12 PM  | -0.3 | 0.2 | -0.2 | 3.6 | 0.1  |
| 7/3/2020 3:18 PM  | -0.3 | 0.2 | -0.2 | 3.6 | 0.1  |
| 7/3/2020 3:24 PM  | -0.3 | 0.2 | -0.2 | 3.5 | 0.1  |
| 7/3/2020 3:30 PM  | -0.3 | 0.2 | -0.2 | 3.5 | 0.1  |
| 7/3/2020 3:36 PM  | -0.3 | 0.2 | -0.2 | 3.2 | 0.1  |
| 7/3/2020 3:42 PM  | -0.3 | 0.2 | -0.3 | 2.9 | 0.1  |
| 7/3/2020 3:48 PM  | -0.4 | 0.2 | -0.3 | 3.0 | 0.1  |

|                  |      |     |      |      |     |
|------------------|------|-----|------|------|-----|
| 7/3/2020 3:54 PM | -0.4 | 0.2 | -0.3 | 3.0  | 0.1 |
| 7/3/2020 4:00 PM | -0.4 | 0.2 | -0.3 | 2.9  | 0.1 |
| 7/3/2020 4:06 PM | -0.4 | 0.2 | -0.3 | 2.9  | 0.1 |
| 7/3/2020 4:12 PM | -0.4 | 0.3 | -0.3 | 3.0  | 0.1 |
| 7/3/2020 4:18 PM | -0.4 | 0.2 | -0.3 | 3.1  | 0.1 |
| 7/3/2020 4:24 PM | -0.4 | 0.3 | 0.0  | 3.2  | 0.1 |
| 7/3/2020 4:30 PM | -0.4 | 0.3 | -0.1 | 3.3  | 0.1 |
| 7/3/2020 4:36 PM | -0.4 | 0.3 | -0.2 | 3.2  | 0.1 |
| 7/3/2020 4:42 PM | -0.5 | 0.3 | -0.3 | 3.1  | 0.1 |
| 7/3/2020 4:48 PM | -0.5 | 0.3 | -0.4 | 3.0  | 0.1 |
| 7/3/2020 4:54 PM | -0.5 | 0.2 | -0.5 | 2.9  | 0.1 |
| 7/3/2020 5:00 PM | -0.5 | 0.2 | -0.5 | 3.0  | 0.1 |
| 7/3/2020 5:06 PM | -0.5 | 0.3 | -0.5 | 3.0  | 0.1 |
| 7/3/2020 5:12 PM | -0.5 | 0.3 | -0.5 | 3.1  | 0.1 |
| 7/3/2020 5:18 PM | -0.5 | 0.3 | -0.6 | 3.1  | 0.1 |
| 7/3/2020 5:24 PM | -0.5 | 0.3 | -0.6 | 3.2  | 0.1 |
| 7/3/2020 5:30 PM | -0.5 | 0.3 | -0.6 | 3.2  | 0.1 |
| 7/3/2020 5:36 PM | -0.5 | 0.3 | -0.6 | 3.1  | 0.1 |
| 7/3/2020 5:42 PM | -0.5 | 0.4 | -0.5 | 3.5  | 0.1 |
| 7/3/2020 5:48 PM | -0.5 | 0.4 | -0.5 | 3.8  | 0.1 |
| 7/3/2020 5:54 PM | -0.5 | 0.4 | -0.6 | 3.8  | 0.1 |
| 7/3/2020 6:00 PM | -0.5 | 0.4 | -0.6 | 3.9  | 0.1 |
| 7/3/2020 6:06 PM | -0.5 | 0.4 | -0.6 | 3.8  | 0.1 |
| 7/3/2020 6:12 PM | -0.5 | 0.4 | -0.6 | 3.7  | 0.1 |
| 7/3/2020 6:18 PM | -0.5 | 0.4 | -0.6 | 3.8  | 0.1 |
| 7/3/2020 6:24 PM | -0.5 | 0.3 | -0.6 | 3.8  | 0.1 |
| 7/3/2020 6:30 PM | -0.5 | 0.4 | -0.6 | 3.8  | 0.1 |
| 7/3/2020 6:36 PM | -0.5 | 0.3 | -0.5 | 3.8  | 0.1 |
| 7/3/2020 6:42 PM | -0.5 | 0.3 | -0.5 | 3.7  | 0.1 |
| 7/3/2020 6:48 PM | -0.5 | 0.3 | -0.5 | 3.7  | 0.2 |
| 7/3/2020 6:54 PM | -0.5 | 0.3 | -0.3 | 3.7  | 0.2 |
| 7/3/2020 7:00 PM | -0.5 | 0.3 | -0.2 | 3.6  | 0.1 |
| 7/3/2020 7:06 PM | -0.5 | 0.3 | -0.2 | 3.6  | 0.1 |
| 7/3/2020 7:12 PM | -0.5 | 0.5 | -0.2 | 3.7  | 0.1 |
| 7/3/2020 7:18 PM | -0.5 | 0.7 | -0.2 | 3.9  | 0.1 |
| 7/3/2020 7:24 PM | -0.5 | 1.6 | -0.2 | 3.8  | 0.1 |
| 7/3/2020 7:30 PM | -0.5 | 2.9 | -0.3 | 3.7  | 0.1 |
| 7/3/2020 7:36 PM | -0.6 | 2.6 | -0.3 | 8.8  | 0.1 |
| 7/3/2020 7:42 PM | -0.6 | 2.2 | -0.3 | 14.1 | 0.1 |
| 7/3/2020 7:48 PM | -0.6 | 2.1 | -0.3 | 12.6 | 0.1 |
| 7/3/2020 7:54 PM | -0.6 | 2.0 | -0.4 | 11.9 | 0.1 |
| 7/3/2020 8:00 PM | -0.6 | 1.9 | -0.4 | 11.8 | 0.1 |
| 7/3/2020 8:06 PM | -0.6 | 1.9 | -0.5 | 11.8 | 0.1 |
| 7/3/2020 8:12 PM | -0.6 | 1.8 | -0.5 | 11.9 | 0.1 |
| 7/3/2020 8:18 PM | -0.6 | 1.7 | -0.5 | 11.9 | 0.1 |
| 7/3/2020 8:24 PM | -0.6 | 1.7 | -0.5 | 11.6 | 0.1 |
| 7/3/2020 8:30 PM | -0.6 | 1.8 | -0.6 | 11.6 | 0.1 |
| 7/3/2020 8:36 PM | -0.6 | 1.7 | -0.6 | 11.6 | 0.1 |
| 7/3/2020 8:42 PM | -0.6 | 1.6 | -0.6 | 11.7 | 0.1 |
| 7/3/2020 8:48 PM | -0.6 | 1.6 | -0.6 | 11.7 | 0.1 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 7/3/2020 8:54 PM  | -0.6 | 1.6  | -0.6 | 11.5 | 0.1 |
| 7/3/2020 9:00 PM  | -0.6 | 1.7  | -0.6 | 11.5 | 0.1 |
| 7/3/2020 9:06 PM  | -0.6 | 1.8  | -0.6 | 11.5 | 0.1 |
| 7/3/2020 9:12 PM  | -0.6 | 1.8  | -0.6 | 11.8 | 0.1 |
| 7/3/2020 9:18 PM  | -0.6 | 1.7  | -0.6 | 11.6 | 0.1 |
| 7/3/2020 9:24 PM  | -0.6 | 1.7  | -0.6 | 11.5 | 0.1 |
| 7/3/2020 9:30 PM  | -0.6 | 1.6  | -0.7 | 11.8 | 0.1 |
| 7/3/2020 9:36 PM  | -0.6 | 1.4  | -0.7 | 11.3 | 0.1 |
| 7/3/2020 9:42 PM  | -0.5 | 0.5  | -0.7 | 7.4  | 0.1 |
| 7/3/2020 9:48 PM  | -0.5 | -0.1 | -0.7 | 3.1  | 0.1 |
| 7/3/2020 9:54 PM  | -0.5 | 0.0  | -0.7 | 3.1  | 0.1 |
| 7/3/2020 10:00 PM | -0.6 | 0.1  | -0.7 | 3.2  | 0.1 |
| 7/3/2020 10:06 PM | -0.6 | 0.0  | -0.7 | 3.2  | 0.1 |
| 7/3/2020 10:12 PM | -0.6 | 0.1  | -0.7 | 3.2  | 0.1 |
| 7/3/2020 10:18 PM | -0.6 | 0.1  | -0.7 | 3.2  | 0.1 |
| 7/3/2020 10:24 PM | -0.6 | 0.2  | -0.7 | 3.2  | 0.1 |
| 7/3/2020 10:30 PM | -0.6 | 0.3  | -0.7 | 3.2  | 0.1 |
| 7/3/2020 10:36 PM | -0.6 | 0.4  | -0.7 | 3.3  | 0.1 |
| 7/3/2020 10:42 PM | -0.6 | 0.4  | -0.7 | 3.2  | 0.1 |
| 7/3/2020 10:48 PM | -0.6 | 0.4  | -0.7 | 3.2  | 0.1 |
| 7/3/2020 10:54 PM | -0.6 | 0.3  | -0.7 | 7.7  | 0.1 |
| 7/3/2020 11:00 PM | -0.6 | -0.2 | -0.7 | 12.7 | 0.1 |
| 7/3/2020 11:06 PM | -0.6 | -0.7 | -0.7 | 11.8 | 0.1 |
| 7/3/2020 11:12 PM | -0.6 | -0.7 | -0.7 | 11.2 | 0.1 |
| 7/3/2020 11:18 PM | -0.6 | -0.7 | -0.8 | 11.1 | 0.1 |
| 7/3/2020 11:24 PM | -0.6 | -0.8 | -0.8 | 11.2 | 0.1 |
| 7/3/2020 11:30 PM | -0.6 | -0.7 | -0.8 | 11.2 | 0.1 |
| 7/3/2020 11:36 PM | -0.6 | -0.8 | -0.8 | 10.7 | 0.1 |
| 7/3/2020 11:42 PM | -0.6 | -0.8 | -0.8 | 10.5 | 0.1 |
| 7/3/2020 11:48 PM | -0.6 | -0.8 | -0.8 | 10.5 | 0.1 |
| 7/3/2020 11:54 PM | -0.6 | -0.8 | -0.8 | 10.1 | 0.1 |
| 7/4/2020 12:00 AM | -0.6 | -0.9 | -0.8 | 9.8  | 0.1 |
| 7/4/2020 12:06 AM | -0.6 | -0.8 | -0.8 | 9.9  | 0.1 |
| 7/4/2020 12:12 AM | -0.6 | -0.8 | -0.8 | 9.8  | 0.1 |
| 7/4/2020 12:18 AM | -0.6 | -0.8 | -0.8 | 9.6  | 0.1 |
| 7/4/2020 12:24 AM | -0.6 | -0.9 | -0.8 | 9.9  | 0.1 |
| 7/4/2020 12:30 AM | -0.6 | -0.9 | -0.8 | 10.0 | 0.1 |
| 7/4/2020 12:36 AM | -0.6 | -0.9 | -0.8 | 10.2 | 0.1 |
| 7/4/2020 12:42 AM | -0.6 | -0.8 | -0.8 | 10.3 | 0.1 |
| 7/4/2020 12:48 AM | -0.6 | -0.8 | -0.8 | 9.9  | 0.1 |
| 7/4/2020 12:54 AM | -0.6 | -0.8 | -0.8 | 9.8  | 0.1 |
| 7/4/2020 1:00 AM  | -0.6 | -0.8 | -0.8 | 10.1 | 0.1 |
| 7/4/2020 1:06 AM  | -0.6 | -0.8 | -0.8 | 10.1 | 0.1 |
| 7/4/2020 1:12 AM  | -0.6 | -0.7 | -0.8 | 10.1 | 0.1 |
| 7/4/2020 1:18 AM  | -0.6 | -0.7 | -0.8 | 9.9  | 0.1 |
| 7/4/2020 1:24 AM  | -0.6 | -0.7 | -0.8 | 9.9  | 0.1 |
| 7/4/2020 1:30 AM  | -0.6 | -0.7 | -0.8 | 10.1 | 0.1 |
| 7/4/2020 1:36 AM  | -0.6 | -0.7 | -0.8 | 10.5 | 0.1 |
| 7/4/2020 1:42 AM  | -0.6 | -0.7 | -0.8 | 10.5 | 0.1 |
| 7/4/2020 1:48 AM  | -0.7 | -0.8 | -0.8 | 10.3 | 0.1 |

|                  |      |      |      |      |     |
|------------------|------|------|------|------|-----|
| 7/4/2020 1:54 AM | -0.7 | -0.7 | -0.8 | 9.9  | 0.1 |
| 7/4/2020 2:00 AM | -0.6 | -0.7 | -0.8 | 9.9  | 0.1 |
| 7/4/2020 2:06 AM | -0.6 | -0.7 | -0.8 | 9.9  | 0.1 |
| 7/4/2020 2:12 AM | -0.6 | -0.7 | -0.7 | 10.2 | 0.1 |
| 7/4/2020 2:18 AM | -0.6 | -0.7 | -0.8 | 10.1 | 0.1 |
| 7/4/2020 2:24 AM | -0.6 | -0.7 | -0.8 | 9.9  | 0.1 |
| 7/4/2020 2:30 AM | -0.6 | -0.7 | -0.8 | 9.7  | 0.1 |
| 7/4/2020 2:36 AM | -0.6 | -0.7 | -0.8 | 9.8  | 0.1 |
| 7/4/2020 2:42 AM | -0.6 | -0.7 | -0.8 | 9.7  | 0.1 |
| 7/4/2020 2:48 AM | -0.6 | -0.7 | -0.8 | 9.8  | 0.1 |
| 7/4/2020 2:54 AM | -0.6 | -0.7 | -0.8 | 9.7  | 0.1 |
| 7/4/2020 3:00 AM | -0.6 | -0.7 | -0.8 | 9.7  | 0.1 |
| 7/4/2020 3:06 AM | -0.6 | -0.7 | -0.8 | 9.9  | 0.1 |
| 7/4/2020 3:12 AM | -0.6 | -0.8 | -0.8 | 9.5  | 0.1 |
| 7/4/2020 3:18 AM | -0.6 | -0.7 | -0.8 | 9.4  | 0.1 |
| 7/4/2020 3:24 AM | -0.6 | -0.7 | -0.8 | 9.5  | 0.1 |
| 7/4/2020 3:30 AM | -0.6 | -0.7 | -0.8 | 9.8  | 0.1 |
| 7/4/2020 3:36 AM | -0.6 | -0.7 | -0.8 | 9.9  | 0.1 |
| 7/4/2020 3:42 AM | -0.6 | -0.7 | -0.8 | 9.8  | 0.1 |
| 7/4/2020 3:48 AM | -0.6 | -0.7 | -0.8 | 8.6  | 0.1 |
| 7/4/2020 3:54 AM | -0.6 | -0.7 | -0.8 | 6.6  | 0.1 |
| 7/4/2020 4:00 AM | -0.6 | -0.8 | -0.8 | 6.1  | 0.1 |
| 7/4/2020 4:06 AM | -0.6 | -0.7 | -0.8 | 6.0  | 0.1 |
| 7/4/2020 4:12 AM | -0.6 | -0.7 | -0.8 | 5.8  | 0.1 |
| 7/4/2020 4:18 AM | -0.6 | -0.7 | -0.8 | 5.7  | 0.1 |
| 7/4/2020 4:24 AM | -0.6 | -0.7 | -0.8 | 5.7  | 0.1 |
| 7/4/2020 4:30 AM | -0.6 | -0.7 | -0.8 | 5.7  | 0.1 |
| 7/4/2020 4:36 AM | -0.6 | -0.7 | -0.8 | 5.9  | 0.1 |
| 7/4/2020 4:42 AM | -0.6 | -0.7 | -0.8 | 6.0  | 0.1 |
| 7/4/2020 4:48 AM | -0.6 | -0.7 | -0.8 | 5.6  | 0.1 |
| 7/4/2020 4:54 AM | -0.6 | -0.7 | -0.8 | 4.7  | 0.1 |
| 7/4/2020 5:00 AM | -0.6 | -0.7 | -0.8 | 4.3  | 0.1 |
| 7/4/2020 5:06 AM | -0.6 | -0.7 | -0.8 | 4.3  | 0.1 |
| 7/4/2020 5:12 AM | -0.6 | -0.7 | -0.8 | 4.2  | 0.1 |
| 7/4/2020 5:18 AM | -0.6 | -0.7 | -0.8 | 4.2  | 0.1 |
| 7/4/2020 5:24 AM | -0.6 | -0.7 | -0.8 | 4.2  | 0.1 |
| 7/4/2020 5:30 AM | -0.6 | -0.7 | -0.8 | 4.1  | 0.1 |
| 7/4/2020 5:36 AM | -0.6 | -0.7 | -0.8 | 4.0  | 0.1 |
| 7/4/2020 5:42 AM | -0.6 | -0.7 | -0.8 | 4.1  | 0.1 |
| 7/4/2020 5:48 AM | -0.6 | -0.7 | -0.8 | 4.3  | 0.1 |
| 7/4/2020 5:54 AM | -0.6 | -0.6 | -0.8 | 4.4  | 0.1 |
| 7/4/2020 6:00 AM | -0.6 | -0.7 | -0.8 | 4.4  | 0.1 |
| 7/4/2020 6:06 AM | -0.6 | -0.7 | -0.8 | 4.1  | 0.1 |
| 7/4/2020 6:12 AM | -0.6 | -0.7 | -0.8 | 4.1  | 0.1 |
| 7/4/2020 6:18 AM | -0.6 | -0.7 | -0.8 | 4.1  | 0.1 |
| 7/4/2020 6:24 AM | -0.6 | -0.6 | -0.8 | 4.0  | 0.1 |
| 7/4/2020 6:30 AM | -0.6 | -0.6 | -0.8 | 4.0  | 0.1 |
| 7/4/2020 6:36 AM | -0.6 | -0.7 | -0.8 | 4.2  | 0.1 |
| 7/4/2020 6:42 AM | -0.6 | -0.7 | -0.8 | 4.3  | 0.1 |
| 7/4/2020 6:48 AM | -0.6 | -0.7 | -0.8 | 4.3  | 0.1 |

|                   |      |      |      |      |      |
|-------------------|------|------|------|------|------|
| 7/4/2020 6:54 AM  | -0.6 | -0.7 | -0.9 | 4.4  | 0.1  |
| 7/4/2020 7:00 AM  | -0.6 | -0.7 | -0.9 | 4.4  | 0.1  |
| 7/4/2020 7:06 AM  | -0.6 | -0.7 | -0.9 | 4.5  | 0.1  |
| 7/4/2020 7:12 AM  | -0.6 | -0.7 | -0.9 | 4.4  | 0.1  |
| 7/4/2020 7:18 AM  | -0.6 | -0.7 | -0.9 | 4.4  | 0.1  |
| 7/4/2020 7:24 AM  | -0.6 | -0.7 | -0.9 | 4.5  | 0.1  |
| 7/4/2020 7:30 AM  | -0.6 | -0.6 | -0.9 | 4.6  | 0.1  |
| 7/4/2020 7:36 AM  | -0.6 | -0.7 | -0.9 | 4.4  | 0.1  |
| 7/4/2020 7:42 AM  | -0.6 | -0.7 | -0.9 | 4.3  | 0.1  |
| 7/4/2020 7:48 AM  | -0.6 | -0.7 | -0.9 | 4.4  | 0.1  |
| 7/4/2020 7:54 AM  | -0.6 | -0.6 | -0.9 | 4.5  | 0.1  |
| 7/4/2020 8:00 AM  | -0.6 | -0.6 | -0.9 | 4.4  | 0.1  |
| 7/4/2020 8:06 AM  | -0.6 | -0.7 | -0.9 | 4.4  | 0.1  |
| 7/4/2020 8:12 AM  | -0.6 | -0.7 | -0.9 | 4.4  | 0.1  |
| 7/4/2020 8:18 AM  | -0.6 | -0.7 | -0.9 | 4.2  | 0.1  |
| 7/4/2020 8:24 AM  | -0.6 | -0.7 | -0.9 | 4.4  | 0.1  |
| 7/4/2020 8:30 AM  | -0.6 | -0.7 | -0.9 | 5.5  | 0.1  |
| 7/4/2020 8:36 AM  | -0.6 | -0.7 | -0.9 | 9.0  | 0.1  |
| 7/4/2020 8:42 AM  | -0.6 | -0.7 | -0.9 | 10.3 | 0.1  |
| 7/4/2020 8:48 AM  | -0.6 | -0.7 | -0.9 | 10.0 | 0.1  |
| 7/4/2020 8:54 AM  | -0.6 | -0.7 | -0.9 | 9.7  | 0.1  |
| 7/4/2020 9:00 AM  | -0.5 | -0.6 | -0.9 | 9.5  | 0.1  |
| 7/4/2020 9:06 AM  | -0.5 | -0.6 | -0.9 | 9.6  | 0.1  |
| 7/4/2020 9:12 AM  | -0.5 | -0.7 | -0.9 | 9.9  | 0.1  |
| 7/4/2020 9:18 AM  | -0.5 | -0.7 | -0.9 | 10.0 | 0.1  |
| 7/4/2020 9:24 AM  | -0.5 | -0.7 | -0.9 | 10.1 | 0.1  |
| 7/4/2020 9:30 AM  | -0.5 | -0.7 | -0.9 | 9.9  | 0.1  |
| 7/4/2020 9:36 AM  | -0.5 | -0.7 | -1.0 | 9.9  | 0.1  |
| 7/4/2020 9:42 AM  | -0.5 | -0.7 | -1.0 | 10.0 | 0.1  |
| 7/4/2020 9:48 AM  | -0.5 | -0.6 | -1.0 | 11.1 | 0.1  |
| 7/4/2020 9:54 AM  | -0.5 | -0.7 | -0.9 | 11.8 | 0.1  |
| 7/4/2020 10:00 AM | -0.5 | -0.7 | -0.9 | 10.8 | 0.1  |
| 7/4/2020 10:06 AM | -0.5 | -0.6 | -0.9 | 10.4 | 0.1  |
| 7/4/2020 10:12 AM | -0.5 | -0.6 | -0.9 | 10.3 | 0.1  |
| 7/4/2020 10:18 AM | -0.5 | -0.6 | -0.9 | 10.5 | 0.1  |
| 7/4/2020 10:24 AM | -0.5 | -0.6 | -0.9 | 10.6 | 5.9  |
| 7/4/2020 10:30 AM | -0.5 | -0.6 | -0.9 | 7.2  | 17.0 |
| 7/4/2020 10:36 AM | -0.5 | -0.6 | -0.9 | 3.3  | 15.1 |
| 7/4/2020 10:42 AM | -0.5 | -0.6 | -0.8 | 3.6  | 8.4  |
| 7/4/2020 10:48 AM | -0.5 | -0.6 | -0.8 | 3.8  | 7.2  |
| 7/4/2020 10:54 AM | -0.5 | -0.6 | -0.8 | 3.9  | 7.2  |
| 7/4/2020 11:00 AM | -0.5 | -0.6 | -0.8 | 4.0  | 7.2  |
| 7/4/2020 11:06 AM | -0.5 | -0.6 | -0.7 | 4.0  | 6.5  |
| 7/4/2020 11:12 AM | -0.5 | -0.6 | -0.7 | 4.2  | 5.8  |
| 7/4/2020 11:18 AM | -0.5 | -0.6 | -0.7 | 4.3  | 5.1  |
| 7/4/2020 11:24 AM | -0.5 | -0.6 | -0.7 | 4.3  | 4.5  |
| 7/4/2020 11:30 AM | -0.5 | -0.6 | -0.7 | 4.3  | 4.2  |
| 7/4/2020 11:36 AM | -0.4 | -0.6 | -0.7 | 4.2  | 3.9  |
| 7/4/2020 11:42 AM | -0.4 | -0.6 | -0.6 | 4.1  | 3.7  |
| 7/4/2020 11:48 AM | -0.4 | -0.6 | -0.6 | 4.2  | 3.6  |



|                   |      |      |      |     |     |
|-------------------|------|------|------|-----|-----|
| 7/4/2020 11:54 AM | -0.4 | -0.6 | -0.5 | 4.4 | 3.4 |
| 7/4/2020 12:00 PM | -0.3 | -0.6 | -0.5 | 4.5 | 3.3 |
| 7/4/2020 12:06 PM | -0.1 | -0.7 | -0.5 | 4.2 | 3.3 |
| 7/4/2020 12:12 PM | -0.1 | -0.7 | -0.4 | 4.3 | 3.3 |
| 7/4/2020 12:18 PM | -0.1 | -0.6 | -0.4 | 4.3 | 3.2 |
| 7/4/2020 12:24 PM | -0.1 | -0.6 | -0.5 | 4.4 | 3.2 |
| 7/4/2020 12:30 PM | -0.1 | -0.6 | -0.5 | 4.4 | 3.2 |
| 7/4/2020 12:36 PM | -0.1 | -0.6 | -0.5 | 4.1 | 3.1 |
| 7/4/2020 12:42 PM | -0.1 | -0.6 | -0.5 | 3.5 | 2.9 |
| 7/4/2020 12:48 PM | -0.1 | -0.6 | -0.5 | 3.5 | 2.9 |
| 7/4/2020 12:54 PM | -0.1 | -0.6 | -0.5 | 3.6 | 2.8 |
| 7/4/2020 1:00 PM  | -0.1 | -0.6 | -0.4 | 3.5 | 2.8 |
| 7/4/2020 1:06 PM  | -0.1 | -0.6 | -0.3 | 3.3 | 2.8 |
| 7/4/2020 1:12 PM  | -0.1 | -0.6 | -0.3 | 2.6 | 2.8 |
| 7/4/2020 1:18 PM  | -0.1 | -0.6 | -0.2 | 2.3 | 2.8 |
| 7/4/2020 1:24 PM  | -0.1 | -0.6 | -0.3 | 2.3 | 2.8 |
| 7/4/2020 1:30 PM  | -0.1 | -0.6 | -0.3 | 2.2 | 2.7 |
| 7/4/2020 1:36 PM  | -0.1 | -0.6 | -0.3 | 2.2 | 2.7 |
| 7/4/2020 1:42 PM  | -0.1 | -0.6 | -0.3 | 2.2 | 2.7 |
| 7/4/2020 1:48 PM  | -0.1 | -0.5 | -0.3 | 2.2 | 2.7 |
| 7/4/2020 1:54 PM  | -0.1 | -0.5 | -0.3 | 2.3 | 2.7 |
| 7/4/2020 2:00 PM  | -0.1 | -0.5 | -0.3 | 2.4 | 2.7 |
| 7/4/2020 2:06 PM  | -0.1 | -0.6 | -0.3 | 2.5 | 2.6 |
| 7/4/2020 2:12 PM  | -0.1 | -0.6 | -0.3 | 2.6 | 2.6 |
| 7/4/2020 2:18 PM  | -0.1 | -0.5 | -0.3 | 2.5 | 2.6 |
| 7/4/2020 2:24 PM  | -0.1 | -0.5 | -0.4 | 2.1 | 2.5 |
| 7/4/2020 2:30 PM  | -0.1 | -0.5 | -0.4 | 1.9 | 2.4 |
| 7/4/2020 2:36 PM  | -0.1 | -0.5 | -0.5 | 2.0 | 2.4 |
| 7/4/2020 2:42 PM  | -0.1 | -0.4 | -0.5 | 2.0 | 2.4 |
| 7/4/2020 2:48 PM  | -0.1 | -0.4 | -0.5 | 2.1 | 2.4 |
| 7/4/2020 2:54 PM  | -0.1 | -0.3 | -0.5 | 2.1 | 2.4 |
| 7/4/2020 3:00 PM  | -0.1 | -0.3 | -0.5 | 2.1 | 2.4 |
| 7/4/2020 3:06 PM  | -0.1 | -0.3 | -0.5 | 2.1 | 2.4 |
| 7/4/2020 3:12 PM  | -0.1 | -0.3 | -0.5 | 2.1 | 2.4 |
| 7/4/2020 3:18 PM  | -0.1 | -0.3 | -0.5 | 2.2 | 2.4 |
| 7/4/2020 3:24 PM  | -0.1 | -0.3 | -0.5 | 2.2 | 2.5 |
| 7/4/2020 3:30 PM  | -0.1 | -0.3 | -0.4 | 2.3 | 2.5 |
| 7/4/2020 3:36 PM  | -0.1 | -0.3 | -0.4 | 2.3 | 2.4 |
| 7/4/2020 3:42 PM  | -0.1 | -0.3 | -0.4 | 2.3 | 2.5 |
| 7/4/2020 3:48 PM  | -0.1 | -0.3 | -0.4 | 2.3 | 2.5 |
| 7/4/2020 3:54 PM  | -0.1 | -0.2 | -0.4 | 2.4 | 2.5 |
| 7/4/2020 4:00 PM  | -0.1 | -0.1 | -0.4 | 2.3 | 2.5 |
| 7/4/2020 4:06 PM  | -0.1 | -0.1 | -0.5 | 2.2 | 2.5 |
| 7/4/2020 4:12 PM  | -0.1 | 0.0  | -0.5 | 2.2 | 2.5 |
| 7/4/2020 4:18 PM  | -0.1 | 0.2  | -0.5 | 2.2 | 2.5 |
| 7/4/2020 4:24 PM  | -0.1 | 0.3  | -0.5 | 2.2 | 2.5 |
| 7/4/2020 4:30 PM  | -0.1 | 0.4  | -0.5 | 2.1 | 2.5 |
| 7/4/2020 4:36 PM  | -0.1 | 0.5  | -0.5 | 2.1 | 2.5 |
| 7/4/2020 4:42 PM  | -0.1 | 0.4  | -0.6 | 2.3 | 2.6 |
| 7/4/2020 4:48 PM  | -0.1 | 0.2  | -0.6 | 2.3 | 2.5 |

|                  |      |      |      |     |     |
|------------------|------|------|------|-----|-----|
| 7/4/2020 4:54 PM | -0.1 | 0.1  | -0.6 | 2.3 | 2.5 |
| 7/4/2020 5:00 PM | -0.2 | 0.0  | -0.7 | 2.3 | 2.5 |
| 7/4/2020 5:06 PM | -0.2 | 0.1  | -0.7 | 2.2 | 2.5 |
| 7/4/2020 5:12 PM | -0.2 | 0.0  | -0.7 | 2.2 | 2.5 |
| 7/4/2020 5:18 PM | -0.2 | -0.1 | -0.7 | 2.2 | 2.5 |
| 7/4/2020 5:24 PM | -0.2 | -0.2 | -0.7 | 2.1 | 2.5 |
| 7/4/2020 5:30 PM | -0.2 | -0.2 | -0.7 | 2.1 | 2.4 |
| 7/4/2020 5:36 PM | -0.2 | -0.2 | -0.6 | 2.2 | 2.3 |
| 7/4/2020 5:42 PM | -0.2 | -0.2 | -0.6 | 2.3 | 2.3 |
| 7/4/2020 5:48 PM | -0.2 | -0.2 | -0.6 | 2.5 | 2.4 |
| 7/4/2020 5:54 PM | -0.2 | -0.1 | -0.6 | 2.4 | 2.4 |
| 7/4/2020 6:00 PM | -0.2 | 0.0  | -0.6 | 2.4 | 2.4 |
| 7/4/2020 6:06 PM | -0.2 | 0.0  | -0.6 | 2.3 | 2.4 |
| 7/4/2020 6:12 PM | -0.2 | 0.0  | -0.5 | 2.3 | 2.5 |
| 7/4/2020 6:18 PM | -0.2 | 0.1  | -0.5 | 2.2 | 2.4 |
| 7/4/2020 6:24 PM | -0.2 | 0.1  | -0.5 | 2.3 | 2.4 |
| 7/4/2020 6:30 PM | -0.2 | 0.2  | -0.5 | 2.2 | 2.4 |
| 7/4/2020 6:36 PM | -0.2 | 0.2  | -0.5 | 2.2 | 2.4 |
| 7/4/2020 6:42 PM | -0.2 | 0.2  | -0.5 | 2.3 | 2.4 |
| 7/4/2020 6:48 PM | -0.2 | 0.2  | -0.5 | 2.2 | 2.4 |
| 7/4/2020 6:54 PM | -0.2 | 0.2  | -0.5 | 2.1 | 2.4 |
| 7/4/2020 7:00 PM | -0.2 | 0.3  | -0.5 | 2.0 | 2.4 |
| 7/4/2020 7:06 PM | -0.2 | 0.2  | -0.5 | 2.0 | 2.4 |
| 7/4/2020 7:12 PM | -0.2 | 0.2  | -0.6 | 2.0 | 2.4 |
| 7/4/2020 7:18 PM | -0.2 | 0.2  | -0.6 | 2.0 | 2.4 |
| 7/4/2020 7:24 PM | -0.3 | 0.2  | -0.6 | 2.0 | 2.4 |
| 7/4/2020 7:30 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.4 |
| 7/4/2020 7:36 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.5 |
| 7/4/2020 7:42 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.5 |
| 7/4/2020 7:48 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.6 |
| 7/4/2020 7:54 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.6 |
| 7/4/2020 8:00 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.5 |
| 7/4/2020 8:06 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.6 |
| 7/4/2020 8:12 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.6 |
| 7/4/2020 8:18 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.6 |
| 7/4/2020 8:24 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.5 |
| 7/4/2020 8:30 PM | -0.3 | 0.2  | -0.6 | 2.0 | 2.5 |
| 7/4/2020 8:36 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.5 |
| 7/4/2020 8:42 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.5 |
| 7/4/2020 8:48 PM | -0.3 | 0.1  | -0.6 | 2.0 | 2.4 |
| 7/4/2020 8:54 PM | -0.3 | 0.2  | -0.6 | 1.9 | 2.4 |
| 7/4/2020 9:00 PM | -0.3 | 0.2  | -0.6 | 2.0 | 2.5 |
| 7/4/2020 9:06 PM | -0.3 | 0.2  | -0.6 | 2.0 | 2.5 |
| 7/4/2020 9:12 PM | -0.3 | 0.2  | -0.6 | 2.1 | 2.5 |
| 7/4/2020 9:18 PM | -0.3 | 0.2  | -0.6 | 2.2 | 2.5 |
| 7/4/2020 9:24 PM | -0.3 | 0.3  | -0.6 | 2.1 | 2.5 |
| 7/4/2020 9:30 PM | -0.3 | 0.2  | -0.6 | 2.1 | 2.6 |
| 7/4/2020 9:36 PM | -0.3 | 0.3  | -0.6 | 2.1 | 2.6 |
| 7/4/2020 9:42 PM | -0.3 | 0.3  | -0.6 | 2.1 | 2.5 |
| 7/4/2020 9:48 PM | -0.3 | 0.3  | -0.6 | 2.2 | 2.5 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 7/4/2020 9:54 PM  | -0.3 | 0.3 | -0.6 | 2.3 | 2.5 |
| 7/4/2020 10:00 PM | -0.3 | 0.3 | -0.6 | 2.2 | 2.5 |
| 7/4/2020 10:06 PM | -0.3 | 0.3 | -0.6 | 2.1 | 2.5 |
| 7/4/2020 10:12 PM | -0.3 | 0.3 | -0.6 | 2.0 | 2.4 |
| 7/4/2020 10:18 PM | -0.3 | 0.3 | -0.6 | 2.0 | 2.4 |
| 7/4/2020 10:24 PM | -0.3 | 0.3 | -0.6 | 2.1 | 2.5 |
| 7/4/2020 10:30 PM | -0.3 | 0.3 | -0.6 | 2.0 | 2.5 |
| 7/4/2020 10:36 PM | -0.3 | 0.3 | -0.6 | 2.0 | 2.5 |
| 7/4/2020 10:42 PM | -0.3 | 0.4 | -0.6 | 2.1 | 2.6 |
| 7/4/2020 10:48 PM | -0.3 | 0.4 | -0.6 | 2.2 | 2.6 |
| 7/4/2020 10:54 PM | -0.3 | 0.4 | -0.6 | 2.3 | 2.6 |
| 7/4/2020 11:00 PM | -0.3 | 0.4 | -0.6 | 2.2 | 2.5 |
| 7/4/2020 11:06 PM | -0.3 | 0.4 | -0.6 | 2.1 | 2.5 |
| 7/4/2020 11:12 PM | -0.3 | 0.4 | -0.6 | 2.1 | 2.5 |
| 7/4/2020 11:18 PM | -0.3 | 0.5 | -0.6 | 2.0 | 2.5 |
| 7/4/2020 11:24 PM | -0.3 | 0.5 | -0.7 | 2.1 | 2.5 |
| 7/4/2020 11:30 PM | -0.3 | 0.5 | -0.7 | 2.1 | 2.5 |
| 7/4/2020 11:36 PM | -0.3 | 0.5 | -0.7 | 2.1 | 2.5 |
| 7/4/2020 11:42 PM | -0.3 | 0.6 | -0.7 | 2.2 | 2.5 |
| 7/4/2020 11:48 PM | -0.3 | 0.6 | -0.7 | 3.3 | 2.1 |
| 7/4/2020 11:54 PM | -0.3 | 0.6 | -0.7 | 5.7 | 0.8 |
| 7/5/2020 12:00 AM | -0.3 | 0.6 | -0.7 | 6.2 | 0.0 |
| 7/5/2020 12:06 AM | -0.3 | 0.6 | -0.7 | 5.9 | 0.1 |
| 7/5/2020 12:12 AM | -0.3 | 0.6 | -0.7 | 5.6 | 0.1 |
| 7/5/2020 12:18 AM | -0.3 | 0.6 | -0.7 | 5.5 | 0.1 |
| 7/5/2020 12:24 AM | -0.3 | 0.6 | -0.7 | 5.5 | 0.1 |
| 7/5/2020 12:30 AM | -0.3 | 0.6 | -0.7 | 5.5 | 0.0 |
| 7/5/2020 12:36 AM | -0.3 | 0.6 | -0.7 | 5.4 | 0.0 |
| 7/5/2020 12:42 AM | -0.3 | 0.6 | -0.7 | 5.2 | 0.0 |
| 7/5/2020 12:48 AM | -0.3 | 0.6 | -0.7 | 5.0 | 0.0 |
| 7/5/2020 12:54 AM | -0.3 | 0.7 | -0.7 | 4.9 | 0.0 |
| 7/5/2020 1:00 AM  | -0.3 | 0.7 | -0.7 | 4.9 | 0.1 |
| 7/5/2020 1:06 AM  | -0.3 | 0.7 | -0.7 | 4.9 | 0.1 |
| 7/5/2020 1:12 AM  | -0.3 | 0.7 | -0.7 | 4.9 | 0.1 |
| 7/5/2020 1:18 AM  | -0.3 | 0.7 | -0.7 | 4.6 | 0.0 |
| 7/5/2020 1:24 AM  | -0.3 | 0.7 | -0.7 | 4.1 | 0.1 |
| 7/5/2020 1:30 AM  | -0.3 | 0.7 | -0.7 | 4.1 | 0.0 |
| 7/5/2020 1:36 AM  | -0.3 | 0.7 | -0.7 | 4.2 | 0.1 |
| 7/5/2020 1:42 AM  | -0.3 | 0.7 | -0.7 | 4.2 | 0.1 |
| 7/5/2020 1:48 AM  | -0.3 | 0.7 | -0.7 | 4.0 | 0.0 |
| 7/5/2020 1:54 AM  | -0.3 | 0.7 | -0.7 | 4.0 | 0.0 |
| 7/5/2020 2:00 AM  | -0.3 | 0.7 | -0.7 | 3.9 | 0.0 |
| 7/5/2020 2:06 AM  | -0.3 | 0.7 | -0.7 | 3.8 | 0.1 |
| 7/5/2020 2:12 AM  | -0.3 | 0.7 | -0.7 | 3.7 | 0.0 |
| 7/5/2020 2:18 AM  | -0.3 | 0.7 | -0.7 | 3.3 | 0.0 |
| 7/5/2020 2:24 AM  | -0.3 | 0.7 | -0.7 | 3.1 | 0.0 |
| 7/5/2020 2:30 AM  | -0.3 | 0.7 | -0.7 | 3.0 | 0.1 |
| 7/5/2020 2:36 AM  | -0.3 | 0.7 | -0.7 | 2.9 | 0.1 |
| 7/5/2020 2:42 AM  | -0.3 | 0.7 | -0.7 | 2.7 | 0.0 |
| 7/5/2020 2:48 AM  | -0.3 | 0.8 | -0.7 | 2.7 | 0.0 |

|                  |      |     |      |     |     |
|------------------|------|-----|------|-----|-----|
| 7/5/2020 2:54 AM | -0.3 | 0.8 | -0.7 | 2.7 | 0.0 |
| 7/5/2020 3:00 AM | -0.3 | 0.8 | -0.7 | 2.8 | 0.0 |
| 7/5/2020 3:06 AM | -0.3 | 0.8 | -0.7 | 3.0 | 0.0 |
| 7/5/2020 3:12 AM | -0.3 | 0.8 | -0.7 | 3.0 | 0.1 |
| 7/5/2020 3:18 AM | -0.3 | 0.9 | -0.7 | 3.0 | 0.1 |
| 7/5/2020 3:24 AM | -0.3 | 0.9 | -0.7 | 2.9 | 0.0 |
| 7/5/2020 3:30 AM | -0.3 | 0.9 | -0.7 | 2.8 | 0.0 |
| 7/5/2020 3:36 AM | -0.3 | 0.9 | -0.7 | 2.8 | 0.0 |
| 7/5/2020 3:42 AM | -0.3 | 0.9 | -0.7 | 2.8 | 0.0 |
| 7/5/2020 3:48 AM | -0.3 | 1.0 | -0.7 | 2.7 | 0.0 |
| 7/5/2020 3:54 AM | -0.3 | 1.0 | -0.7 | 2.6 | 0.0 |
| 7/5/2020 4:00 AM | -0.3 | 1.0 | -0.7 | 2.6 | 0.0 |
| 7/5/2020 4:06 AM | -0.3 | 1.0 | -0.7 | 2.6 | 0.0 |
| 7/5/2020 4:12 AM | -0.3 | 1.0 | -0.7 | 2.8 | 0.0 |
| 7/5/2020 4:18 AM | -0.3 | 1.0 | -0.7 | 2.9 | 0.0 |
| 7/5/2020 4:24 AM | -0.3 | 1.1 | -0.7 | 2.8 | 0.0 |
| 7/5/2020 4:30 AM | -0.3 | 1.1 | -0.7 | 2.8 | 0.0 |
| 7/5/2020 4:36 AM | -0.3 | 1.2 | -0.7 | 2.9 | 0.0 |
| 7/5/2020 4:42 AM | -0.3 | 1.2 | -0.7 | 2.9 | 0.1 |
| 7/5/2020 4:48 AM | -0.3 | 1.2 | -0.7 | 2.8 | 0.1 |
| 7/5/2020 4:54 AM | -0.3 | 1.3 | -0.7 | 2.7 | 0.0 |
| 7/5/2020 5:00 AM | -0.3 | 1.3 | -0.8 | 2.6 | 0.0 |
| 7/5/2020 5:06 AM | -0.3 | 1.3 | -0.8 | 2.7 | 0.0 |
| 7/5/2020 5:12 AM | -0.3 | 1.3 | -0.8 | 2.6 | 0.0 |
| 7/5/2020 5:18 AM | -0.3 | 1.3 | -0.8 | 2.6 | 0.1 |
| 7/5/2020 5:24 AM | -0.3 | 1.4 | -0.8 | 2.8 | 0.1 |
| 7/5/2020 5:30 AM | -0.3 | 1.4 | -0.8 | 2.9 | 0.0 |
| 7/5/2020 5:36 AM | -0.3 | 1.4 | -0.8 | 2.9 | 0.0 |
| 7/5/2020 5:42 AM | -0.3 | 1.4 | -0.8 | 2.9 | 0.1 |
| 7/5/2020 5:48 AM | -0.3 | 1.4 | -0.8 | 2.9 | 0.1 |
| 7/5/2020 5:54 AM | -0.3 | 1.4 | -0.8 | 2.8 | 0.0 |
| 7/5/2020 6:00 AM | -0.3 | 1.5 | -0.8 | 2.8 | 0.0 |
| 7/5/2020 6:06 AM | -0.3 | 1.5 | -0.8 | 2.8 | 0.0 |
| 7/5/2020 6:12 AM | -0.3 | 1.5 | -0.8 | 2.6 | 0.0 |
| 7/5/2020 6:18 AM | -0.3 | 1.6 | -0.8 | 2.5 | 0.0 |
| 7/5/2020 6:24 AM | -0.3 | 1.6 | -0.8 | 2.9 | 0.0 |
| 7/5/2020 6:30 AM | -0.3 | 1.6 | -0.8 | 4.9 | 0.1 |
| 7/5/2020 6:36 AM | -0.3 | 1.6 | -0.8 | 6.0 | 0.0 |
| 7/5/2020 6:42 AM | -0.3 | 1.6 | -0.8 | 5.6 | 0.0 |
| 7/5/2020 6:48 AM | -0.3 | 1.6 | -0.8 | 5.4 | 0.0 |
| 7/5/2020 6:54 AM | -0.3 | 1.7 | -0.8 | 5.4 | 0.1 |
| 7/5/2020 7:00 AM | -0.3 | 1.8 | -0.8 | 5.4 | 0.0 |
| 7/5/2020 7:06 AM | -0.3 | 2.0 | -0.8 | 5.7 | 0.0 |
| 7/5/2020 7:12 AM | -0.3 | 2.2 | -0.9 | 5.8 | 0.1 |
| 7/5/2020 7:18 AM | -0.3 | 2.4 | -0.9 | 5.8 | 0.1 |
| 7/5/2020 7:24 AM | -0.3 | 2.5 | -0.9 | 5.7 | 0.1 |
| 7/5/2020 7:30 AM | -0.3 | 2.5 | -1.0 | 5.6 | 0.1 |
| 7/5/2020 7:36 AM | -0.3 | 2.5 | -1.0 | 5.5 | 0.0 |
| 7/5/2020 7:42 AM | -0.3 | 2.6 | -1.0 | 5.3 | 0.0 |
| 7/5/2020 7:48 AM | -0.3 | 2.7 | -1.0 | 5.3 | 0.0 |

|                   |      |     |      |      |      |
|-------------------|------|-----|------|------|------|
| 7/5/2020 7:54 AM  | -0.3 | 3.0 | -1.0 | 5.2  | 0.0  |
| 7/5/2020 8:00 AM  | -0.3 | 3.1 | -1.1 | 5.2  | 0.0  |
| 7/5/2020 8:06 AM  | -0.3 | 3.0 | -1.0 | 5.1  | 0.1  |
| 7/5/2020 8:12 AM  | -0.2 | 2.9 | -1.0 | 5.3  | 0.1  |
| 7/5/2020 8:18 AM  | -0.2 | 2.7 | -1.0 | 5.6  | 0.1  |
| 7/5/2020 8:24 AM  | -0.2 | 2.5 | -1.0 | 5.5  | 0.1  |
| 7/5/2020 8:30 AM  | -0.2 | 2.4 | -1.0 | 6.8  | 0.1  |
| 7/5/2020 8:36 AM  | -0.2 | 2.3 | -1.0 | 8.3  | 0.0  |
| 7/5/2020 8:42 AM  | -0.2 | 2.2 | -1.0 | 8.3  | 0.0  |
| 7/5/2020 8:48 AM  | -0.2 | 2.2 | -1.0 | 8.0  | 0.0  |
| 7/5/2020 8:54 AM  | -0.2 | 2.2 | -1.0 | 7.7  | 0.0  |
| 7/5/2020 9:00 AM  | -0.2 | 2.2 | -1.0 | 7.6  | 0.0  |
| 7/5/2020 9:06 AM  | -0.2 | 2.2 | -0.9 | 9.7  | 0.1  |
| 7/5/2020 9:12 AM  | -0.2 | 2.2 | -0.8 | 11.0 | 0.1  |
| 7/5/2020 9:18 AM  | -0.2 | 2.2 | -0.6 | 10.2 | 0.0  |
| 7/5/2020 9:24 AM  | -0.1 | 2.2 | -0.5 | 9.8  | 0.0  |
| 7/5/2020 9:30 AM  | -0.1 | 2.1 | -0.4 | 9.7  | 0.1  |
| 7/5/2020 9:36 AM  | -0.1 | 2.0 | -0.3 | 9.9  | 0.1  |
| 7/5/2020 9:42 AM  | -0.1 | 1.7 | -0.2 | 9.7  | 0.1  |
| 7/5/2020 9:48 AM  | -0.1 | 1.4 | -0.1 | 9.4  | 0.1  |
| 7/5/2020 9:54 AM  | -0.1 | 1.1 | 0.0  | 9.4  | 0.1  |
| 7/5/2020 10:00 AM | -0.1 | 0.8 | 0.0  | 9.6  | 0.1  |
| 7/5/2020 10:06 AM | -0.1 | 0.6 | 0.0  | 9.9  | 0.1  |
| 7/5/2020 10:12 AM | -0.1 | 0.5 | 0.0  | 9.4  | 0.1  |
| 7/5/2020 10:18 AM | -0.1 | 0.4 | 0.0  | 9.4  | 0.1  |
| 7/5/2020 10:24 AM | -0.1 | 0.4 | 0.0  | 9.7  | 0.1  |
| 7/5/2020 10:30 AM | -0.1 | 0.3 | 0.0  | 9.8  | 0.1  |
| 7/5/2020 10:36 AM | -0.1 | 0.3 | 0.0  | 10.0 | 0.1  |
| 7/5/2020 10:42 AM | -0.1 | 0.2 | 0.0  | 10.1 | 0.1  |
| 7/5/2020 10:48 AM | -0.1 | 0.2 | 0.0  | 10.0 | 0.1  |
| 7/5/2020 10:54 AM | -0.1 | 0.2 | 0.0  | 10.1 | 0.1  |
| 7/5/2020 11:00 AM | -0.1 | 0.3 | 0.0  | 10.2 | 0.1  |
| 7/5/2020 11:06 AM | -0.1 | 0.3 | 0.0  | 9.9  | 0.1  |
| 7/5/2020 11:12 AM | -0.1 | 0.3 | 0.1  | 9.9  | 0.1  |
| 7/5/2020 11:18 AM | -0.1 | 0.3 | 0.1  | 10.0 | 0.1  |
| 7/5/2020 11:24 AM | -0.1 | 0.3 | 0.1  | 10.0 | 0.1  |
| 7/5/2020 11:30 AM | -0.1 | 0.4 | 0.1  | 10.1 | 0.1  |
| 7/5/2020 11:36 AM | -0.1 | 0.4 | 0.1  | 10.2 | 0.1  |
| 7/5/2020 11:42 AM | -0.1 | 0.4 | 0.1  | 10.2 | 0.1  |
| 7/5/2020 11:48 AM | -0.1 | 0.4 | 0.1  | 10.4 | 0.1  |
| 7/5/2020 11:54 AM | -0.1 | 0.3 | 0.1  | 10.1 | 0.1  |
| 7/5/2020 12:00 PM | -0.1 | 0.3 | 0.1  | 9.9  | 0.1  |
| 7/5/2020 12:06 PM | 0.0  | 0.3 | 0.1  | 10.1 | 0.1  |
| 7/5/2020 12:12 PM | 0.0  | 0.3 | 0.1  | 10.2 | 0.1  |
| 7/5/2020 12:18 PM | 0.0  | 0.3 | 0.1  | 10.1 | 0.1  |
| 7/5/2020 12:24 PM | 0.0  | 0.3 | 0.1  | 10.1 | 0.1  |
| 7/5/2020 12:30 PM | 0.0  | 0.4 | 0.0  | 10.4 | 0.1  |
| 7/5/2020 12:36 PM | 0.0  | 0.5 | 0.0  | 9.0  | 8.2  |
| 7/5/2020 12:42 PM | 0.0  | 0.6 | 0.0  | 5.1  | 12.8 |
| 7/5/2020 12:48 PM | 0.0  | 0.6 | 0.0  | 3.4  | 7.6  |

|                   |      |     |      |     |      |
|-------------------|------|-----|------|-----|------|
| 7/5/2020 12:54 PM | 0.0  | 0.6 | 0.0  | 3.7 | 7.0  |
| 7/5/2020 1:00 PM  | 0.0  | 0.6 | 0.1  | 3.8 | 6.8  |
| 7/5/2020 1:06 PM  | 0.0  | 0.5 | 0.1  | 3.7 | 6.7  |
| 7/5/2020 1:12 PM  | 0.0  | 0.4 | 0.1  | 3.6 | 6.7  |
| 7/5/2020 1:18 PM  | 0.0  | 0.5 | 0.0  | 3.7 | 6.2  |
| 7/5/2020 1:24 PM  | 0.0  | 0.5 | 0.0  | 3.8 | 5.4  |
| 7/5/2020 1:30 PM  | 0.0  | 0.6 | 0.0  | 4.0 | 4.5  |
| 7/5/2020 1:36 PM  | 0.0  | 0.6 | 0.0  | 4.2 | 4.0  |
| 7/5/2020 1:42 PM  | 0.0  | 0.6 | 0.0  | 4.3 | 3.6  |
| 7/5/2020 1:48 PM  | 0.0  | 0.7 | 0.0  | 4.3 | 3.3  |
| 7/5/2020 1:54 PM  | 0.0  | 0.7 | 0.0  | 4.1 | 3.0  |
| 7/5/2020 2:00 PM  | 0.0  | 0.6 | 0.0  | 2.7 | 2.6  |
| 7/5/2020 2:06 PM  | 0.0  | 0.6 | 0.0  | 1.1 | 2.3  |
| 7/5/2020 2:12 PM  | 0.0  | 0.5 | 0.0  | 1.3 | 2.4  |
| 7/5/2020 2:18 PM  | 0.0  | 0.6 | 0.0  | 1.4 | 2.4  |
| 7/5/2020 2:24 PM  | 0.0  | 0.7 | -0.1 | 1.4 | 2.4  |
| 7/5/2020 2:30 PM  | 0.0  | 0.8 | -0.1 | 1.3 | 2.4  |
| 7/5/2020 2:36 PM  | 0.0  | 0.9 | -0.1 | 1.3 | 2.5  |
| 7/5/2020 2:42 PM  | 0.0  | 1.0 | -0.2 | 1.4 | 2.5  |
| 7/5/2020 2:48 PM  | 0.0  | 1.1 | -0.2 | 1.4 | 2.4  |
| 7/5/2020 2:54 PM  | 0.0  | 1.2 | -0.1 | 4.2 | 1.8  |
| 7/5/2020 3:00 PM  | 0.0  | 1.2 | -0.1 | 8.1 | 0.5  |
| 7/5/2020 3:06 PM  | 0.0  | 1.2 | -0.1 | 8.2 | 0.0  |
| 7/5/2020 3:12 PM  | 0.0  | 1.3 | -0.2 | 7.8 | 0.0  |
| 7/5/2020 3:18 PM  | 0.0  | 1.2 | -0.2 | 7.7 | 0.0  |
| 7/5/2020 3:24 PM  | 0.0  | 1.2 | -0.2 | 7.6 | 0.0  |
| 7/5/2020 3:30 PM  | 0.0  | 1.1 | -0.2 | 6.9 | 0.0  |
| 7/5/2020 3:36 PM  | 0.0  | 1.0 | -0.3 | 6.6 | 0.0  |
| 7/5/2020 3:42 PM  | 0.0  | 0.8 | -0.3 | 6.7 | 0.0  |
| 7/5/2020 3:48 PM  | 0.0  | 0.8 | -0.3 | 6.8 | 0.0  |
| 7/5/2020 3:54 PM  | 0.0  | 0.8 | -0.3 | 6.6 | 0.0  |
| 7/5/2020 4:00 PM  | 0.0  | 0.8 | -0.3 | 6.3 | 0.0  |
| 7/5/2020 4:06 PM  | 0.0  | 0.8 | -0.4 | 6.2 | 0.0  |
| 7/5/2020 4:12 PM  | 0.0  | 0.8 | -0.4 | 6.0 | 0.0  |
| 7/5/2020 4:18 PM  | 0.0  | 0.8 | -0.4 | 6.0 | 0.0  |
| 7/5/2020 4:24 PM  | -0.1 | 0.9 | -0.3 | 6.1 | 0.0  |
| 7/5/2020 4:30 PM  | -0.1 | 0.9 | -0.3 | 5.9 | 0.0  |
| 7/5/2020 4:36 PM  | -0.1 | 0.9 | -0.3 | 5.8 | 0.0  |
| 7/5/2020 4:42 PM  | -0.1 | 0.9 | -0.3 | 6.4 | 0.0  |
| 7/5/2020 4:48 PM  | -0.1 | 0.9 | -0.4 | 7.1 | 0.0  |
| 7/5/2020 4:54 PM  | -0.1 | 0.9 | -0.4 | 7.2 | 0.0  |
| 7/5/2020 5:00 PM  | -0.1 | 0.9 | -0.4 | 7.3 | 0.0  |
| 7/5/2020 5:06 PM  | -0.1 | 1.0 | -0.4 | 7.6 | -0.1 |
| 7/5/2020 5:12 PM  | -0.1 | 1.0 | -0.4 | 7.8 | -0.1 |
| 7/5/2020 5:18 PM  | -0.1 | 1.0 | -0.4 | 7.8 | 0.0  |
| 7/5/2020 5:24 PM  | -0.1 | 1.1 | -0.4 | 7.9 | 0.0  |
| 7/5/2020 5:30 PM  | -0.1 | 1.2 | -0.4 | 7.9 | 0.0  |
| 7/5/2020 5:36 PM  | -0.1 | 1.3 | -0.4 | 8.0 | -0.1 |
| 7/5/2020 5:42 PM  | -0.1 | 1.5 | -0.4 | 8.1 | -0.1 |
| 7/5/2020 5:48 PM  | -0.1 | 1.7 | -0.4 | 8.3 | -0.1 |

|                   |      |     |      |      |      |
|-------------------|------|-----|------|------|------|
| 7/5/2020 5:54 PM  | -0.1 | 1.9 | -0.4 | 8.8  | -0.1 |
| 7/5/2020 6:00 PM  | -0.1 | 2.2 | -0.4 | 8.9  | -0.1 |
| 7/5/2020 6:06 PM  | -0.1 | 2.6 | -0.4 | 9.1  | -0.1 |
| 7/5/2020 6:12 PM  | -0.1 | 3.1 | -0.4 | 9.3  | 0.0  |
| 7/5/2020 6:18 PM  | -0.1 | 3.5 | -0.4 | 9.5  | -0.1 |
| 7/5/2020 6:24 PM  | -0.1 | 3.6 | -0.4 | 10.1 | -0.1 |
| 7/5/2020 6:30 PM  | -0.2 | 3.7 | -0.4 | 11.0 | 0.0  |
| 7/5/2020 6:36 PM  | -0.2 | 3.7 | -0.4 | 11.4 | 0.0  |
| 7/5/2020 6:42 PM  | -0.2 | 3.6 | -0.5 | 11.5 | -0.1 |
| 7/5/2020 6:48 PM  | -0.2 | 3.6 | -0.5 | 12.1 | 0.0  |
| 7/5/2020 6:54 PM  | -0.2 | 3.6 | -0.5 | 11.9 | 0.0  |
| 7/5/2020 7:00 PM  | -0.2 | 3.5 | -0.5 | 11.9 | 0.0  |
| 7/5/2020 7:06 PM  | -0.2 | 3.4 | -0.5 | 10.9 | 4.7  |
| 7/5/2020 7:12 PM  | -0.2 | 3.3 | -0.5 | 5.5  | 9.2  |
| 7/5/2020 7:18 PM  | -0.2 | 3.2 | -0.5 | 2.2  | 6.5  |
| 7/5/2020 7:24 PM  | -0.2 | 3.2 | -0.5 | 2.4  | 4.8  |
| 7/5/2020 7:30 PM  | -0.2 | 3.1 | -0.5 | 2.5  | 4.1  |
| 7/5/2020 7:36 PM  | -0.2 | 3.1 | -0.5 | 2.5  | 3.6  |
| 7/5/2020 7:42 PM  | -0.2 | 3.0 | -0.5 | 2.6  | 3.4  |
| 7/5/2020 7:48 PM  | -0.2 | 3.0 | -0.5 | 2.5  | 3.3  |
| 7/5/2020 7:54 PM  | -0.2 | 3.0 | -0.5 | 2.5  | 3.2  |
| 7/5/2020 8:00 PM  | -0.2 | 3.0 | -0.5 | 2.6  | 3.1  |
| 7/5/2020 8:06 PM  | -0.2 | 2.9 | -0.5 | 2.6  | 3.0  |
| 7/5/2020 8:12 PM  | -0.2 | 2.9 | -0.5 | 2.5  | 3.0  |
| 7/5/2020 8:18 PM  | -0.2 | 2.9 | -0.5 | 2.4  | 2.9  |
| 7/5/2020 8:24 PM  | -0.2 | 2.9 | -0.5 | 2.4  | 2.9  |
| 7/5/2020 8:30 PM  | -0.2 | 2.9 | -0.5 | 2.4  | 2.9  |
| 7/5/2020 8:36 PM  | -0.2 | 2.9 | -0.5 | 2.3  | 2.9  |
| 7/5/2020 8:42 PM  | -0.2 | 2.9 | -0.5 | 2.3  | 2.9  |
| 7/5/2020 8:48 PM  | -0.2 | 2.9 | -0.5 | 2.4  | 2.9  |
| 7/5/2020 8:54 PM  | -0.2 | 2.9 | -0.5 | 2.5  | 2.8  |
| 7/5/2020 9:00 PM  | -0.2 | 3.0 | -0.5 | 2.5  | 2.8  |
| 7/5/2020 9:06 PM  | -0.2 | 3.0 | -0.5 | 2.5  | 2.9  |
| 7/5/2020 9:12 PM  | -0.2 | 3.0 | -0.5 | 2.5  | 2.9  |
| 7/5/2020 9:18 PM  | -0.2 | 3.0 | -0.5 | 2.5  | 2.9  |
| 7/5/2020 9:24 PM  | -0.2 | 3.0 | -0.5 | 2.6  | 3.0  |
| 7/5/2020 9:30 PM  | -0.2 | 3.0 | -0.5 | 2.6  | 3.0  |
| 7/5/2020 9:36 PM  | -0.2 | 3.0 | -0.5 | 2.4  | 3.0  |
| 7/5/2020 9:42 PM  | -0.2 | 2.9 | -0.5 | 2.5  | 3.0  |
| 7/5/2020 9:48 PM  | -0.2 | 2.9 | -0.5 | 2.4  | 3.1  |
| 7/5/2020 9:54 PM  | -0.2 | 2.8 | -0.5 | 2.4  | 3.0  |
| 7/5/2020 10:00 PM | -0.2 | 2.8 | -0.4 | 2.4  | 3.0  |
| 7/5/2020 10:06 PM | -0.2 | 2.8 | -0.4 | 2.3  | 3.1  |
| 7/5/2020 10:12 PM | -0.2 | 2.7 | -0.4 | 2.3  | 3.1  |
| 7/5/2020 10:18 PM | -0.2 | 2.7 | -0.4 | 2.1  | 2.9  |
| 7/5/2020 10:24 PM | -0.2 | 2.7 | -0.4 | 2.1  | 2.8  |
| 7/5/2020 10:30 PM | -0.2 | 2.7 | -0.4 | 2.2  | 2.9  |
| 7/5/2020 10:36 PM | -0.2 | 2.6 | -0.4 | 2.3  | 2.9  |
| 7/5/2020 10:42 PM | -0.2 | 2.6 | -0.4 | 2.3  | 2.9  |
| 7/5/2020 10:48 PM | -0.2 | 2.6 | -0.4 | 2.4  | 2.9  |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/5/2020 10:54 PM | -0.2 | 2.6 | -0.4 | 2.5  | 3.0 |
| 7/5/2020 11:00 PM | -0.2 | 2.5 | -0.4 | 2.5  | 3.1 |
| 7/5/2020 11:06 PM | -0.2 | 2.5 | -0.4 | 2.4  | 3.2 |
| 7/5/2020 11:12 PM | -0.2 | 2.5 | -0.4 | 2.4  | 3.1 |
| 7/5/2020 11:18 PM | -0.2 | 2.5 | -0.4 | 2.3  | 3.0 |
| 7/5/2020 11:24 PM | -0.2 | 2.5 | -0.4 | 2.3  | 3.0 |
| 7/5/2020 11:30 PM | -0.2 | 2.5 | -0.4 | 2.2  | 3.0 |
| 7/5/2020 11:36 PM | -0.2 | 2.6 | -0.4 | 2.2  | 3.1 |
| 7/5/2020 11:42 PM | -0.2 | 2.6 | -0.4 | 2.2  | 3.2 |
| 7/5/2020 11:48 PM | -0.2 | 2.7 | -0.4 | 2.1  | 3.2 |
| 7/5/2020 11:54 PM | -0.2 | 2.7 | -0.4 | 2.2  | 3.2 |
| 7/6/2020 12:00 AM | -0.2 | 2.7 | -0.5 | 2.2  | 3.1 |
| 7/6/2020 12:06 AM | -0.2 | 2.8 | -0.5 | 2.2  | 3.0 |
| 7/6/2020 12:12 AM | -0.2 | 2.8 | -0.5 | 2.2  | 3.0 |
| 7/6/2020 12:18 AM | -0.2 | 2.8 | -0.5 | 2.2  | 3.0 |
| 7/6/2020 12:24 AM | -0.2 | 2.8 | -0.5 | 2.1  | 3.1 |
| 7/6/2020 12:30 AM | -0.3 | 2.8 | -0.5 | 2.2  | 3.2 |
| 7/6/2020 12:36 AM | -0.3 | 2.8 | -0.5 | 2.2  | 3.2 |
| 7/6/2020 12:42 AM | -0.3 | 2.8 | -0.5 | 2.2  | 3.3 |
| 7/6/2020 12:48 AM | -0.3 | 2.9 | -0.5 | 2.2  | 3.3 |
| 7/6/2020 12:54 AM | -0.3 | 2.9 | -0.5 | 4.2  | 3.0 |
| 7/6/2020 1:00 AM  | -0.3 | 2.9 | -0.5 | 8.8  | 1.3 |
| 7/6/2020 1:06 AM  | -0.3 | 2.9 | -0.5 | 9.8  | 0.0 |
| 7/6/2020 1:12 AM  | -0.3 | 2.9 | -0.5 | 9.8  | 0.0 |
| 7/6/2020 1:18 AM  | -0.3 | 2.9 | -0.5 | 10.0 | 0.0 |
| 7/6/2020 1:24 AM  | -0.3 | 2.9 | -0.5 | 9.8  | 0.0 |
| 7/6/2020 1:30 AM  | -0.3 | 2.8 | -0.5 | 9.6  | 0.0 |
| 7/6/2020 1:36 AM  | -0.3 | 2.8 | -0.6 | 9.3  | 0.0 |
| 7/6/2020 1:42 AM  | -0.3 | 2.8 | -0.6 | 9.4  | 0.0 |
| 7/6/2020 1:48 AM  | -0.3 | 2.8 | -0.6 | 7.0  | 0.0 |
| 7/6/2020 1:54 AM  | -0.3 | 2.8 | -0.6 | 3.4  | 0.0 |
| 7/6/2020 2:00 AM  | -0.3 | 2.8 | -0.6 | 2.6  | 0.0 |
| 7/6/2020 2:06 AM  | -0.3 | 2.7 | -0.5 | 2.7  | 0.0 |
| 7/6/2020 2:12 AM  | -0.3 | 2.6 | -0.5 | 2.8  | 0.0 |
| 7/6/2020 2:18 AM  | -0.3 | 2.6 | -0.5 | 2.9  | 0.1 |
| 7/6/2020 2:24 AM  | -0.3 | 2.5 | -0.5 | 2.9  | 0.0 |
| 7/6/2020 2:30 AM  | -0.3 | 2.5 | -0.5 | 3.1  | 0.0 |
| 7/6/2020 2:36 AM  | -0.3 | 2.5 | -0.5 | 3.3  | 0.0 |
| 7/6/2020 2:42 AM  | -0.3 | 2.4 | -0.5 | 3.4  | 0.0 |
| 7/6/2020 2:48 AM  | -0.3 | 2.4 | -0.5 | 3.3  | 0.0 |
| 7/6/2020 2:54 AM  | -0.3 | 2.4 | -0.5 | 3.1  | 0.0 |
| 7/6/2020 3:00 AM  | -0.3 | 2.4 | -0.5 | 3.0  | 0.0 |
| 7/6/2020 3:06 AM  | -0.3 | 2.4 | -0.5 | 3.0  | 0.0 |
| 7/6/2020 3:12 AM  | -0.3 | 2.4 | -0.5 | 3.0  | 0.0 |
| 7/6/2020 3:18 AM  | -0.3 | 2.4 | -0.5 | 3.1  | 0.0 |
| 7/6/2020 3:24 AM  | -0.3 | 2.4 | -0.5 | 3.1  | 0.0 |
| 7/6/2020 3:30 AM  | -0.3 | 2.4 | -0.5 | 3.0  | 0.0 |
| 7/6/2020 3:36 AM  | -0.3 | 2.4 | -0.5 | 2.9  | 0.0 |
| 7/6/2020 3:42 AM  | -0.3 | 2.4 | -0.5 | 2.7  | 0.0 |
| 7/6/2020 3:48 AM  | -0.3 | 2.4 | -0.5 | 2.8  | 0.0 |



|                  |      |     |      |      |     |
|------------------|------|-----|------|------|-----|
| 7/6/2020 3:54 AM | -0.3 | 2.4 | -0.5 | 3.0  | 0.0 |
| 7/6/2020 4:00 AM | -0.3 | 2.4 | -0.5 | 3.0  | 0.0 |
| 7/6/2020 4:06 AM | -0.3 | 2.4 | -0.5 | 2.9  | 0.1 |
| 7/6/2020 4:12 AM | -0.2 | 2.4 | -0.5 | 2.9  | 0.0 |
| 7/6/2020 4:18 AM | -0.2 | 2.4 | -0.5 | 2.8  | 0.0 |
| 7/6/2020 4:24 AM | -0.2 | 2.4 | -0.5 | 2.6  | 0.0 |
| 7/6/2020 4:30 AM | -0.2 | 2.4 | -0.5 | 2.7  | 0.0 |
| 7/6/2020 4:36 AM | -0.2 | 2.4 | -0.5 | 2.8  | 0.0 |
| 7/6/2020 4:42 AM | -0.2 | 2.4 | -0.5 | 2.8  | 0.0 |
| 7/6/2020 4:48 AM | -0.2 | 2.4 | -0.5 | 2.8  | 0.0 |
| 7/6/2020 4:54 AM | -0.2 | 2.4 | -0.5 | 3.0  | 0.0 |
| 7/6/2020 5:00 AM | -0.2 | 2.5 | -0.6 | 3.8  | 0.0 |
| 7/6/2020 5:06 AM | -0.2 | 2.7 | -0.6 | 4.2  | 0.0 |
| 7/6/2020 5:12 AM | -0.2 | 2.8 | -0.7 | 4.2  | 0.0 |
| 7/6/2020 5:18 AM | -0.2 | 3.0 | -0.7 | 4.3  | 0.0 |
| 7/6/2020 5:24 AM | -0.2 | 3.3 | -0.8 | 4.5  | 0.0 |
| 7/6/2020 5:30 AM | -0.2 | 3.4 | -0.9 | 4.7  | 0.0 |
| 7/6/2020 5:36 AM | -0.2 | 3.5 | -1.0 | 5.0  | 0.0 |
| 7/6/2020 5:42 AM | -0.2 | 3.6 | -1.0 | 5.2  | 0.0 |
| 7/6/2020 5:48 AM | -0.2 | 3.6 | -1.0 | 5.2  | 0.0 |
| 7/6/2020 5:54 AM | -0.2 | 3.6 | -1.0 | 5.3  | 0.0 |
| 7/6/2020 6:00 AM | -0.2 | 3.7 | -1.0 | 5.3  | 0.0 |
| 7/6/2020 6:06 AM | -0.2 | 3.7 | -1.0 | 5.1  | 0.0 |
| 7/6/2020 6:12 AM | -0.3 | 3.8 | -1.0 | 6.3  | 0.0 |
| 7/6/2020 6:18 AM | -0.3 | 3.8 | -1.0 | 8.6  | 0.0 |
| 7/6/2020 6:24 AM | -0.3 | 3.8 | -1.0 | 8.8  | 0.0 |
| 7/6/2020 6:30 AM | -0.3 | 3.8 | -1.0 | 8.3  | 0.0 |
| 7/6/2020 6:36 AM | -0.2 | 3.8 | -1.1 | 8.2  | 0.0 |
| 7/6/2020 6:42 AM | -0.2 | 3.7 | -1.1 | 8.5  | 0.0 |
| 7/6/2020 6:48 AM | -0.2 | 3.7 | -1.0 | 8.6  | 0.0 |
| 7/6/2020 6:54 AM | -0.2 | 3.6 | -1.0 | 8.5  | 0.0 |
| 7/6/2020 7:00 AM | -0.2 | 3.5 | -1.0 | 8.4  | 0.0 |
| 7/6/2020 7:06 AM | -0.2 | 3.4 | -1.0 | 8.3  | 0.0 |
| 7/6/2020 7:12 AM | -0.2 | 3.2 | -1.0 | 8.5  | 0.0 |
| 7/6/2020 7:18 AM | -0.2 | 3.1 | -1.0 | 9.4  | 0.0 |
| 7/6/2020 7:24 AM | -0.2 | 2.9 | -1.0 | 10.1 | 0.0 |
| 7/6/2020 7:30 AM | -0.2 | 2.8 | -1.0 | 9.8  | 0.0 |
| 7/6/2020 7:36 AM | -0.2 | 2.6 | -1.0 | 10.0 | 0.0 |
| 7/6/2020 7:42 AM | -0.2 | 2.5 | -1.0 | 9.9  | 0.0 |
| 7/6/2020 7:48 AM | -0.2 | 2.3 | -0.9 | 9.5  | 0.0 |
| 7/6/2020 7:54 AM | -0.2 | 2.2 | -0.9 | 9.2  | 0.0 |
| 7/6/2020 8:00 AM | -0.2 | 2.0 | -0.9 | 9.4  | 0.0 |
| 7/6/2020 8:06 AM | -0.2 | 1.9 | -0.9 | 9.2  | 0.0 |
| 7/6/2020 8:12 AM | -0.2 | 1.8 | -0.9 | 9.0  | 0.0 |
| 7/6/2020 8:18 AM | -0.2 | 1.8 | -0.9 | 10.0 | 0.0 |
| 7/6/2020 8:24 AM | -0.2 | 1.8 | -0.9 | 12.3 | 0.0 |
| 7/6/2020 8:30 AM | -0.2 | 1.8 | -0.9 | 12.9 | 0.0 |
| 7/6/2020 8:36 AM | -0.2 | 1.8 | -0.9 | 13.1 | 0.0 |
| 7/6/2020 8:42 AM | -0.2 | 1.8 | -0.8 | 13.3 | 0.0 |
| 7/6/2020 8:48 AM | -0.2 | 1.7 | -0.7 | 13.6 | 0.0 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 7/6/2020 8:54 AM  | -0.2 | 1.7  | -0.7 | 14.1 | 0.0 |
| 7/6/2020 9:00 AM  | -0.1 | 1.7  | -0.6 | 14.2 | 0.0 |
| 7/6/2020 9:06 AM  | -0.1 | 1.6  | -0.4 | 13.9 | 0.0 |
| 7/6/2020 9:12 AM  | -0.1 | 1.5  | -0.2 | 13.7 | 0.0 |
| 7/6/2020 9:18 AM  | -0.1 | 1.4  | -0.1 | 13.8 | 0.0 |
| 7/6/2020 9:24 AM  | -0.1 | 1.3  | 0.0  | 14.2 | 0.0 |
| 7/6/2020 9:30 AM  | -0.1 | 1.1  | 0.0  | 14.1 | 0.0 |
| 7/6/2020 9:36 AM  | -0.1 | 1.0  | 0.0  | 14.3 | 0.0 |
| 7/6/2020 9:42 AM  | -0.1 | 13.3 | 0.0  | 11.9 | 0.0 |
| 7/6/2020 9:48 AM  | -0.1 | 13.6 | 0.0  | 7.7  | 0.0 |
| 7/6/2020 9:54 AM  | -0.1 | 7.3  | 0.0  | 7.4  | 0.0 |
| 7/6/2020 10:00 AM | -0.1 | 6.3  | 0.0  | 7.7  | 0.0 |
| 7/6/2020 10:06 AM | -0.1 | 5.4  | 0.0  | 7.3  | 0.0 |
| 7/6/2020 10:12 AM | -0.1 | 4.1  | 0.0  | 7.1  | 0.0 |
| 7/6/2020 10:18 AM | -0.1 | 3.2  | 0.0  | 7.3  | 0.0 |
| 7/6/2020 10:24 AM | -0.1 | 2.9  | 0.0  | 7.4  | 0.0 |
| 7/6/2020 10:30 AM | -0.1 | 2.8  | 0.0  | 7.7  | 0.0 |
| 7/6/2020 10:36 AM | -0.1 | 2.7  | 0.0  | 7.9  | 0.0 |
| 7/6/2020 10:42 AM | -0.1 | 2.6  | 0.0  | 8.0  | 0.0 |
| 7/6/2020 10:48 AM | -0.1 | 2.3  | 0.0  | 8.0  | 0.0 |
| 7/6/2020 10:54 AM | -0.1 | 2.0  | 0.0  | 8.0  | 0.0 |
| 7/6/2020 11:00 AM | -0.1 | 1.7  | 0.0  | 8.0  | 0.0 |
| 7/6/2020 11:06 AM | -0.1 | 1.2  | 0.0  | 8.2  | 0.0 |
| 7/6/2020 11:12 AM | -0.1 | 0.8  | 0.1  | 7.3  | 0.0 |
| 7/6/2020 11:18 AM | -0.1 | 0.7  | 0.1  | 6.6  | 0.0 |
| 7/6/2020 11:24 AM | -0.1 | 0.6  | 0.1  | 6.6  | 0.0 |
| 7/6/2020 11:30 AM | -0.1 | 0.5  | 0.1  | 4.8  | 0.0 |
| 7/6/2020 11:36 AM | -0.1 | 0.4  | 0.1  | 3.0  | 0.0 |
| 7/6/2020 11:42 AM | -0.1 | 0.4  | 0.1  | 3.2  | 0.0 |
| 7/6/2020 11:48 AM | -0.1 | 0.4  | 0.1  | 3.6  | 0.0 |
| 7/6/2020 11:54 AM | -0.1 | 0.3  | 0.1  | 3.7  | 0.0 |
| 7/6/2020 12:00 PM | -0.1 | 0.3  | 0.1  | 3.6  | 0.0 |
| 7/6/2020 12:06 PM | -0.2 | 0.3  | 0.1  | 4.0  | 0.1 |
| 7/6/2020 12:12 PM | -0.2 | 0.3  | 0.1  | 4.1  | 0.1 |
| 7/6/2020 12:18 PM | -0.2 | 0.3  | 0.1  | 4.0  | 0.1 |
| 7/6/2020 12:24 PM | -0.2 | 0.3  | 0.1  | 4.1  | 0.1 |
| 7/6/2020 12:30 PM | -0.2 | 0.3  | 0.1  | 4.3  | 0.1 |
| 7/6/2020 12:36 PM | -0.2 | 0.3  | 0.0  | 4.3  | 0.1 |
| 7/6/2020 12:42 PM | -0.2 | 0.2  | -0.1 | 4.3  | 0.1 |
| 7/6/2020 12:48 PM | -0.2 | 0.2  | -0.1 | 4.1  | 0.1 |
| 7/6/2020 12:54 PM | -0.2 | 0.2  | 0.0  | 3.9  | 0.1 |
| 7/6/2020 1:00 PM  | -0.2 | 0.2  | 0.0  | 3.8  | 0.1 |
| 7/6/2020 1:06 PM  | -0.2 | 0.2  | 0.1  | 3.9  | 0.1 |
| 7/6/2020 1:12 PM  | -0.2 | 0.2  | 0.0  | 4.1  | 0.1 |
| 7/6/2020 1:18 PM  | -0.2 | 0.2  | 0.0  | 4.1  | 0.1 |
| 7/6/2020 1:24 PM  | -0.2 | 0.2  | 0.0  | 4.0  | 0.1 |
| 7/6/2020 1:30 PM  | -0.2 | 0.2  | -0.1 | 4.0  | 0.1 |
| 7/6/2020 1:36 PM  | -0.2 | 0.2  | -0.1 | 4.1  | 0.1 |
| 7/6/2020 1:42 PM  | -0.2 | 0.2  | -0.1 | 4.1  | 0.1 |
| 7/6/2020 1:48 PM  | -0.2 | 0.2  | -0.1 | 4.2  | 0.1 |

|                  |      |     |      |      |      |
|------------------|------|-----|------|------|------|
| 7/6/2020 1:54 PM | -0.2 | 0.2 | -0.1 | 4.3  | 0.1  |
| 7/6/2020 2:00 PM | -0.2 | 0.2 | -0.1 | 4.5  | 0.1  |
| 7/6/2020 2:06 PM | -0.2 | 0.2 | -0.2 | 4.6  | 0.1  |
| 7/6/2020 2:12 PM | -0.2 | 0.2 | -0.3 | 4.4  | 0.1  |
| 7/6/2020 2:18 PM | -0.2 | 0.2 | -0.3 | 4.2  | 0.1  |
| 7/6/2020 2:24 PM | -0.2 | 0.2 | -0.4 | 3.9  | 0.1  |
| 7/6/2020 2:30 PM | -0.2 | 0.2 | -0.4 | 3.8  | 0.1  |
| 7/6/2020 2:36 PM | -0.2 | 0.2 | -0.4 | 3.9  | 0.1  |
| 7/6/2020 2:42 PM | -0.2 | 0.2 | -0.4 | 4.1  | 0.1  |
| 7/6/2020 2:48 PM | -0.2 | 0.2 | -0.4 | 4.4  | 0.1  |
| 7/6/2020 2:54 PM | -0.2 | 0.2 | -0.4 | 4.7  | 0.1  |
| 7/6/2020 3:00 PM | -0.2 | 0.1 | -0.6 | 4.7  | 0.1  |
| 7/6/2020 3:06 PM | -0.3 | 0.1 | -0.8 | 4.4  | 3.8  |
| 7/6/2020 3:12 PM | -0.3 | 0.1 | -1.0 | 4.2  | 7.2  |
| 7/6/2020 3:18 PM | -0.3 | 0.1 | -1.0 | 4.1  | 2.7  |
| 7/6/2020 3:24 PM | -0.3 | 1.8 | -0.9 | 6.8  | 0.2  |
| 7/6/2020 3:30 PM | -0.3 | 3.9 | -0.8 | 12.2 | 0.1  |
| 7/6/2020 3:36 PM | -0.2 | 3.4 | -0.6 | 13.1 | 0.1  |
| 7/6/2020 3:42 PM | -0.2 | 2.9 | -0.5 | 12.8 | 0.1  |
| 7/6/2020 3:48 PM | -0.3 | 2.8 | -0.5 | 14.9 | 9.1  |
| 7/6/2020 3:54 PM | -0.4 | 2.5 | -0.5 | 17.8 | 20.1 |
| 7/6/2020 4:00 PM | -0.4 | 2.3 | -0.5 | 17.8 | 17.0 |
| 7/6/2020 4:06 PM | 9.1  | 2.3 | -0.5 | 17.3 | 13.3 |
| 7/6/2020 4:12 PM | 20.6 | 2.3 | -0.5 | 17.3 | 10.8 |
| 7/6/2020 4:18 PM | 13.5 | 2.2 | -0.5 | 17.5 | 9.9  |
| 7/6/2020 4:24 PM | 6.1  | 2.2 | -0.5 | 18.0 | 9.7  |
| 7/6/2020 4:30 PM | 3.3  | 2.2 | -0.5 | 17.2 | 9.8  |
| 7/6/2020 4:36 PM | 2.4  | 2.2 | -0.5 | 16.2 | 10.3 |
| 7/6/2020 4:42 PM | 1.9  | 1.9 | -0.5 | 15.8 | 10.7 |
| 7/6/2020 4:48 PM | 1.4  | 1.9 | -0.5 | 15.7 | 10.2 |
| 7/6/2020 4:54 PM | 1.3  | 2.2 | -0.5 | 14.6 | 9.9  |
| 7/6/2020 5:00 PM | 1.5  | 2.3 | -0.5 | 13.3 | 9.6  |
| 7/6/2020 5:06 PM | 1.7  | 2.2 | -0.5 | 13.7 | 8.7  |
| 7/6/2020 5:12 PM | 1.4  | 2.1 | -0.5 | 14.3 | 8.3  |
| 7/6/2020 5:18 PM | 1.0  | 2.0 | -0.5 | 14.6 | 8.0  |
| 7/6/2020 5:24 PM | 1.0  | 2.0 | -0.5 | 14.4 | 7.7  |
| 7/6/2020 5:30 PM | 0.9  | 2.0 | -0.5 | 14.3 | 7.9  |
| 7/6/2020 5:36 PM | 0.9  | 1.9 | -0.5 | 14.2 | 8.0  |
| 7/6/2020 5:42 PM | 0.9  | 1.8 | -0.5 | 14.3 | 7.8  |
| 7/6/2020 5:48 PM | 0.9  | 1.7 | -0.5 | 14.2 | 7.6  |
| 7/6/2020 5:54 PM | 0.8  | 1.7 | -0.4 | 14.3 | 7.4  |
| 7/6/2020 6:00 PM | 0.8  | 1.7 | -0.4 | 14.4 | 7.2  |
| 7/6/2020 6:06 PM | 0.8  | 1.7 | -0.3 | 14.6 | 7.1  |
| 7/6/2020 6:12 PM | 0.8  | 1.7 | -0.3 | 14.2 | 7.1  |
| 7/6/2020 6:18 PM | 0.8  | 1.5 | -0.2 | 14.1 | 7.0  |
| 7/6/2020 6:24 PM | 0.8  | 1.5 | -0.2 | 14.2 | 7.0  |
| 7/6/2020 6:30 PM | 0.8  | 1.5 | -0.2 | 14.3 | 6.9  |
| 7/6/2020 6:36 PM | 0.7  | 1.5 | -0.1 | 14.3 | 6.9  |
| 7/6/2020 6:42 PM | 0.7  | 1.5 | -0.1 | 14.0 | 7.0  |
| 7/6/2020 6:48 PM | 0.7  | 1.5 | -0.1 | 14.1 | 6.9  |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 7/6/2020 6:54 PM  | 0.7  | 1.6  | -0.1 | 13.7 | 6.8 |
| 7/6/2020 7:00 PM  | 0.7  | 1.6  | -0.1 | 13.1 | 6.6 |
| 7/6/2020 7:06 PM  | 0.7  | 1.6  | -0.1 | 13.2 | 6.6 |
| 7/6/2020 7:12 PM  | 0.6  | 1.6  | -0.1 | 13.7 | 6.5 |
| 7/6/2020 7:18 PM  | 0.6  | 1.6  | -0.1 | 14.2 | 6.7 |
| 7/6/2020 7:24 PM  | 0.7  | 1.6  | -0.1 | 14.2 | 6.7 |
| 7/6/2020 7:30 PM  | 0.5  | 1.6  | -0.1 | 14.5 | 6.9 |
| 7/6/2020 7:36 PM  | 0.1  | 1.6  | -0.1 | 14.5 | 6.9 |
| 7/6/2020 7:42 PM  | -0.3 | 1.6  | -0.1 | 15.1 | 6.7 |
| 7/6/2020 7:48 PM  | -0.3 | 1.6  | -0.1 | 15.5 | 4.1 |
| 7/6/2020 7:54 PM  | -0.3 | 1.6  | -0.1 | 15.2 | 2.3 |
| 7/6/2020 8:00 PM  | -0.3 | 1.6  | -0.1 | 15.2 | 2.5 |
| 7/6/2020 8:06 PM  | -0.3 | 1.1  | -0.1 | 8.6  | 1.4 |
| 7/6/2020 8:12 PM  | -0.4 | 0.4  | -0.1 | 1.4  | 0.2 |
| 7/6/2020 8:18 PM  | -0.4 | 0.2  | -0.1 | 1.7  | 0.2 |
| 7/6/2020 8:24 PM  | -0.4 | 0.2  | -0.1 | 1.9  | 0.2 |
| 7/6/2020 8:30 PM  | -0.4 | 0.2  | -0.1 | 2.1  | 0.2 |
| 7/6/2020 8:36 PM  | -0.4 | 0.2  | -0.1 | 2.2  | 0.2 |
| 7/6/2020 8:42 PM  | -0.4 | 0.2  | -0.2 | 2.3  | 0.2 |
| 7/6/2020 8:48 PM  | -0.4 | 1.7  | -0.2 | 4.2  | 0.2 |
| 7/6/2020 8:54 PM  | -0.4 | 2.5  | -0.2 | 6.0  | 0.2 |
| 7/6/2020 9:00 PM  | -0.4 | 2.2  | -0.2 | 5.5  | 0.2 |
| 7/6/2020 9:06 PM  | -0.4 | 2.0  | -0.3 | 5.6  | 0.2 |
| 7/6/2020 9:12 PM  | -0.4 | 2.0  | -0.3 | 5.6  | 0.2 |
| 7/6/2020 9:18 PM  | -0.4 | 1.9  | -0.3 | 5.6  | 0.2 |
| 7/6/2020 9:24 PM  | -0.4 | 1.9  | -0.3 | 6.9  | 0.2 |
| 7/6/2020 9:30 PM  | -0.4 | 1.8  | -0.3 | 10.1 | 0.2 |
| 7/6/2020 9:36 PM  | -0.4 | 1.7  | -0.4 | 11.1 | 0.1 |
| 7/6/2020 9:42 PM  | -0.4 | 1.7  | -0.3 | 10.6 | 0.1 |
| 7/6/2020 9:48 PM  | -0.4 | 1.7  | -0.3 | 10.0 | 0.2 |
| 7/6/2020 9:54 PM  | -0.4 | 1.6  | -0.3 | 9.2  | 0.1 |
| 7/6/2020 10:00 PM | -0.4 | 1.4  | -0.3 | 8.6  | 0.1 |
| 7/6/2020 10:06 PM | -0.4 | 0.4  | -0.3 | 8.8  | 0.1 |
| 7/6/2020 10:12 PM | -0.4 | -0.2 | -0.3 | 8.7  | 0.1 |
| 7/6/2020 10:18 PM | -0.4 | -0.1 | -0.4 | 5.5  | 0.2 |
| 7/6/2020 10:24 PM | -0.4 | 0.0  | -0.4 | 1.7  | 0.2 |
| 7/6/2020 10:30 PM | -0.4 | 0.0  | -0.4 | 1.5  | 0.2 |
| 7/6/2020 10:36 PM | -0.4 | 0.1  | -0.4 | 1.6  | 0.2 |
| 7/6/2020 10:42 PM | -0.4 | 0.2  | -0.4 | 1.8  | 0.2 |
| 7/6/2020 10:48 PM | -0.4 | 0.3  | -0.4 | 1.9  | 0.2 |
| 7/6/2020 10:54 PM | -0.4 | 0.3  | -0.4 | 1.9  | 0.1 |
| 7/6/2020 11:00 PM | -0.4 | 0.3  | -0.4 | 2.0  | 0.1 |
| 7/6/2020 11:06 PM | -0.4 | 0.3  | -0.4 | 2.0  | 0.1 |
| 7/6/2020 11:12 PM | -0.4 | 0.4  | -0.4 | 2.1  | 0.2 |
| 7/6/2020 11:18 PM | -0.4 | 0.4  | -0.4 | 2.3  | 0.1 |
| 7/6/2020 11:24 PM | -0.4 | 0.3  | -0.4 | 2.4  | 0.1 |
| 7/6/2020 11:30 PM | -0.4 | 0.3  | -0.4 | 2.4  | 0.1 |
| 7/6/2020 11:36 PM | -0.4 | 0.3  | -0.4 | 2.5  | 0.1 |
| 7/6/2020 11:42 PM | -0.4 | 0.3  | -0.5 | 2.4  | 0.2 |
| 7/6/2020 11:48 PM | -0.4 | 0.3  | -0.5 | 2.4  | 0.1 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/6/2020 11:54 PM | -0.4 | 0.3 | -0.5 | 2.5  | 0.1 |
| 7/7/2020 12:00 AM | -0.4 | 0.3 | -0.5 | 2.6  | 0.1 |
| 7/7/2020 12:06 AM | -0.4 | 0.3 | -0.5 | 2.6  | 0.1 |
| 7/7/2020 12:12 AM | -0.4 | 0.3 | -0.4 | 2.5  | 0.1 |
| 7/7/2020 12:18 AM | -0.4 | 0.2 | -0.4 | 2.5  | 0.1 |
| 7/7/2020 12:24 AM | -0.4 | 0.2 | -0.4 | 2.6  | 0.1 |
| 7/7/2020 12:30 AM | -0.4 | 0.2 | -0.4 | 2.5  | 0.1 |
| 7/7/2020 12:36 AM | -0.4 | 0.3 | -0.4 | 2.4  | 0.1 |
| 7/7/2020 12:42 AM | -0.4 | 0.3 | -0.4 | 2.3  | 0.2 |
| 7/7/2020 12:48 AM | -0.3 | 0.2 | -0.4 | 1.9  | 0.1 |
| 7/7/2020 12:54 AM | -0.4 | 0.2 | -0.4 | 1.4  | 0.1 |
| 7/7/2020 1:00 AM  | -0.4 | 0.2 | -0.4 | 1.4  | 0.2 |
| 7/7/2020 1:06 AM  | -0.4 | 0.3 | -0.4 | 1.6  | 0.1 |
| 7/7/2020 1:12 AM  | -0.4 | 0.3 | -0.4 | 1.7  | 0.1 |
| 7/7/2020 1:18 AM  | -0.4 | 0.3 | -0.4 | 1.7  | 0.1 |
| 7/7/2020 1:24 AM  | -0.4 | 0.3 | -0.4 | 1.8  | 0.1 |
| 7/7/2020 1:30 AM  | -0.4 | 0.3 | -0.4 | 1.8  | 0.1 |
| 7/7/2020 1:36 AM  | -0.4 | 0.3 | -0.4 | 1.8  | 0.1 |
| 7/7/2020 1:42 AM  | -0.4 | 0.3 | -0.4 | 1.8  | 0.1 |
| 7/7/2020 1:48 AM  | -0.4 | 0.7 | -0.4 | 0.7  | 0.1 |
| 7/7/2020 1:54 AM  | -0.4 | 0.8 | -0.4 | -0.4 | 0.1 |
| 7/7/2020 2:00 AM  | -0.4 | 0.6 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 2:06 AM  | -0.4 | 0.5 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 2:12 AM  | -0.4 | 0.5 | -0.4 | -0.6 | 0.1 |
| 7/7/2020 2:18 AM  | -0.4 | 0.4 | -0.4 | -0.6 | 0.1 |
| 7/7/2020 2:24 AM  | -0.4 | 0.4 | -0.4 | -0.6 | 0.1 |
| 7/7/2020 2:30 AM  | -0.4 | 0.5 | -0.4 | -0.6 | 0.1 |
| 7/7/2020 2:36 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 2:42 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 2:48 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 2:54 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 3:00 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 3:06 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 3:12 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.2 |
| 7/7/2020 3:18 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 3:24 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 3:30 AM  | -0.4 | 0.5 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 3:36 AM  | -0.4 | 0.5 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 3:42 AM  | -0.4 | 0.5 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 3:48 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 3:54 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 4:00 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 4:06 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 4:12 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 4:18 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 4:24 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 4:30 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 4:36 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 4:42 AM  | -0.4 | 0.5 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 4:48 AM  | -0.4 | 0.4 | -0.4 | -0.5 | 0.1 |

|                  |      |     |      |      |     |
|------------------|------|-----|------|------|-----|
| 7/7/2020 4:54 AM | -0.4 | 0.5 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 5:00 AM | -0.4 | 0.4 | -0.5 | -0.5 | 0.1 |
| 7/7/2020 5:06 AM | -0.4 | 0.4 | -0.5 | -0.5 | 0.1 |
| 7/7/2020 5:12 AM | -0.4 | 0.4 | -0.5 | -0.5 | 0.1 |
| 7/7/2020 5:18 AM | -0.4 | 0.4 | -0.6 | -0.5 | 0.1 |
| 7/7/2020 5:24 AM | -0.4 | 0.4 | -0.6 | -0.5 | 0.1 |
| 7/7/2020 5:30 AM | -0.4 | 0.4 | -0.6 | -0.5 | 0.1 |
| 7/7/2020 5:36 AM | -0.4 | 0.4 | -0.6 | -0.5 | 0.1 |
| 7/7/2020 5:42 AM | -0.4 | 0.4 | -0.6 | -0.5 | 0.1 |
| 7/7/2020 5:48 AM | -0.3 | 0.4 | -0.6 | -0.5 | 0.2 |
| 7/7/2020 5:54 AM | -0.3 | 0.4 | -0.7 | -0.5 | 0.1 |
| 7/7/2020 6:00 AM | -0.3 | 0.4 | -0.8 | -0.5 | 0.1 |
| 7/7/2020 6:06 AM | -0.4 | 0.4 | -0.8 | -0.5 | 0.1 |
| 7/7/2020 6:12 AM | -0.4 | 0.3 | -0.8 | -0.5 | 0.1 |
| 7/7/2020 6:18 AM | -0.3 | 0.4 | -0.8 | -0.5 | 0.1 |
| 7/7/2020 6:24 AM | -0.3 | 0.4 | -0.8 | -0.5 | 0.1 |
| 7/7/2020 6:30 AM | -0.3 | 0.4 | -0.8 | -0.5 | 0.1 |
| 7/7/2020 6:36 AM | -0.3 | 0.5 | -0.9 | -0.5 | 0.1 |
| 7/7/2020 6:42 AM | -0.3 | 0.6 | -0.9 | -0.5 | 0.1 |
| 7/7/2020 6:48 AM | -0.4 | 0.6 | -0.9 | -0.5 | 0.1 |
| 7/7/2020 6:54 AM | -0.4 | 0.5 | -0.9 | -0.5 | 0.1 |
| 7/7/2020 7:00 AM | -0.4 | 0.5 | -1.0 | -0.5 | 4.7 |
| 7/7/2020 7:06 AM | -0.4 | 0.5 | -1.0 | -0.5 | 2.7 |
| 7/7/2020 7:12 AM | -0.4 | 0.5 | -1.1 | -0.5 | 0.3 |
| 7/7/2020 7:18 AM | -0.3 | 0.5 | -1.0 | -0.5 | 0.2 |
| 7/7/2020 7:24 AM | -0.3 | 0.5 | -1.0 | -0.5 | 0.2 |
| 7/7/2020 7:30 AM | -0.3 | 0.5 | -1.0 | -0.5 | 0.1 |
| 7/7/2020 7:36 AM | -0.3 | 0.5 | -1.0 | -0.5 | 0.1 |
| 7/7/2020 7:42 AM | -0.3 | 1.3 | -1.0 | -0.5 | 0.1 |
| 7/7/2020 7:48 AM | -0.3 | 2.5 | -1.0 | -0.5 | 0.1 |
| 7/7/2020 7:54 AM | -0.3 | 2.6 | -0.9 | -0.5 | 0.1 |
| 7/7/2020 8:00 AM | -0.3 | 2.4 | -0.7 | -0.5 | 0.1 |
| 7/7/2020 8:06 AM | -0.3 | 2.3 | -0.5 | -0.5 | 0.1 |
| 7/7/2020 8:12 AM | -0.3 | 2.3 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 8:18 AM | -0.3 | 2.2 | -0.2 | -0.5 | 0.1 |
| 7/7/2020 8:24 AM | -0.3 | 2.2 | -0.1 | -0.5 | 0.1 |
| 7/7/2020 8:30 AM | -0.3 | 2.2 | -0.1 | -0.5 | 0.1 |
| 7/7/2020 8:36 AM | -0.3 | 2.2 | 0.0  | -0.5 | 0.1 |
| 7/7/2020 8:42 AM | -0.3 | 2.2 | 0.0  | -0.5 | 0.1 |
| 7/7/2020 8:48 AM | -0.3 | 2.2 | 0.0  | -0.5 | 0.1 |
| 7/7/2020 8:54 AM | -0.3 | 2.2 | -0.1 | -0.5 | 0.1 |
| 7/7/2020 9:00 AM | -0.3 | 2.2 | -0.1 | -0.5 | 0.1 |
| 7/7/2020 9:06 AM | 10.3 | 1.9 | -0.1 | -0.5 | 0.1 |
| 7/7/2020 9:12 AM | 13.3 | 0.8 | -0.1 | -0.5 | 0.1 |
| 7/7/2020 9:18 AM | 2.9  | 0.2 | -0.1 | -0.5 | 0.1 |
| 7/7/2020 9:24 AM | 1.6  | 0.4 | -0.1 | -0.5 | 0.1 |
| 7/7/2020 9:30 AM | 1.4  | 0.4 | -0.1 | -0.5 | 0.1 |
| 7/7/2020 9:36 AM | 1.2  | 0.4 | -0.2 | -0.5 | 0.1 |
| 7/7/2020 9:42 AM | 0.7  | 0.4 | -0.2 | -0.5 | 0.1 |
| 7/7/2020 9:48 AM | 0.6  | 0.4 | -0.2 | -0.5 | 0.1 |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 7/7/2020 9:54 AM  | 0.6 | 0.4 | -0.2 | -0.5 | 0.1 |
| 7/7/2020 10:00 AM | 0.5 | 0.4 | -0.2 | -0.5 | 0.1 |
| 7/7/2020 10:06 AM | 0.5 | 0.4 | -0.2 | -0.5 | 0.1 |
| 7/7/2020 10:12 AM | 0.5 | 0.4 | -0.2 | -0.5 | 0.1 |
| 7/7/2020 10:18 AM | 0.4 | 0.3 | -0.3 | -0.5 | 0.1 |
| 7/7/2020 10:24 AM | 0.4 | 0.2 | -0.3 | -0.5 | 0.1 |
| 7/7/2020 10:30 AM | 0.4 | 0.2 | -0.3 | -0.5 | 0.1 |
| 7/7/2020 10:36 AM | 0.4 | 0.3 | -0.3 | -0.5 | 0.1 |
| 7/7/2020 10:42 AM | 0.3 | 0.3 | -0.3 | -0.5 | 0.1 |
| 7/7/2020 10:48 AM | 0.3 | 0.4 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 10:54 AM | 0.3 | 0.4 | -0.3 | -0.5 | 0.1 |
| 7/7/2020 11:00 AM | 0.3 | 0.4 | -0.3 | -0.5 | 0.1 |
| 7/7/2020 11:06 AM | 0.4 | 0.4 | -0.3 | -0.5 | 0.1 |
| 7/7/2020 11:12 AM | 0.4 | 0.3 | -0.3 | -0.5 | 0.1 |
| 7/7/2020 11:18 AM | 0.4 | 0.3 | -0.3 | -0.5 | 0.1 |
| 7/7/2020 11:24 AM | 0.4 | 0.3 | -0.3 | -0.5 | 0.1 |
| 7/7/2020 11:30 AM | 0.4 | 0.3 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 11:36 AM | 0.4 | 0.3 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 11:42 AM | 0.4 | 0.3 | -0.4 | -0.4 | 0.1 |
| 7/7/2020 11:48 AM | 0.4 | 0.3 | -0.4 | -0.4 | 0.1 |
| 7/7/2020 11:54 AM | 0.4 | 0.3 | -0.4 | -0.4 | 0.1 |
| 7/7/2020 12:00 PM | 0.4 | 0.3 | -0.4 | -0.5 | 0.1 |
| 7/7/2020 12:06 PM | 0.5 | 0.3 | -0.3 | -0.5 | 0.0 |
| 7/7/2020 12:12 PM | 0.5 | 0.4 | -0.3 | -0.5 | 0.0 |
| 7/7/2020 12:18 PM | 0.5 | 0.4 | -0.3 | -0.5 | 0.0 |
| 7/7/2020 12:24 PM | 0.5 | 0.4 | -0.3 | -0.5 | 0.0 |
| 7/7/2020 12:30 PM | 0.5 | 0.4 | -0.3 | -0.5 | 0.0 |
| 7/7/2020 12:36 PM | 0.5 | 0.3 | -0.3 | -0.5 | 0.0 |
| 7/7/2020 12:42 PM | 0.5 | 0.3 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 12:48 PM | 0.5 | 0.3 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 12:54 PM | 0.5 | 0.3 | -0.4 | 4.1  | 6.6 |
| 7/7/2020 1:00 PM  | 0.5 | 0.3 | -0.4 | 9.2  | 6.9 |
| 7/7/2020 1:06 PM  | 0.5 | 0.3 | -0.3 | 3.1  | 0.3 |
| 7/7/2020 1:12 PM  | 0.5 | 0.4 | -0.2 | -0.1 | 0.1 |
| 7/7/2020 1:18 PM  | 0.5 | 0.4 | -0.2 | -0.5 | 0.1 |
| 7/7/2020 1:24 PM  | 0.5 | 0.4 | -0.1 | -0.5 | 0.1 |
| 7/7/2020 1:30 PM  | 0.5 | 0.4 | -0.1 | -0.5 | 0.0 |
| 7/7/2020 1:36 PM  | 0.5 | 0.4 | -0.1 | -0.5 | 0.0 |
| 7/7/2020 1:42 PM  | 0.5 | 0.4 | -0.2 | -0.5 | 0.0 |
| 7/7/2020 1:48 PM  | 0.4 | 0.3 | -0.3 | -0.5 | 0.0 |
| 7/7/2020 1:54 PM  | 0.4 | 0.3 | -0.3 | -0.5 | 0.0 |
| 7/7/2020 2:00 PM  | 0.4 | 0.3 | -0.3 | -0.5 | 0.0 |
| 7/7/2020 2:06 PM  | 0.4 | 0.3 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 2:12 PM  | 0.4 | 0.4 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 2:18 PM  | 0.4 | 0.4 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 2:24 PM  | 0.4 | 0.3 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 2:30 PM  | 0.4 | 0.4 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 2:36 PM  | 0.4 | 0.3 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 2:42 PM  | 0.4 | 0.3 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 2:48 PM  | 0.4 | 0.4 | -0.4 | -0.5 | 0.0 |

|                  |     |     |      |      |     |
|------------------|-----|-----|------|------|-----|
| 7/7/2020 2:54 PM | 0.4 | 0.4 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 3:00 PM | 0.4 | 0.3 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 3:06 PM | 0.4 | 0.3 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 3:12 PM | 0.4 | 0.3 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 3:18 PM | 0.4 | 0.4 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 3:24 PM | 0.4 | 0.4 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 3:30 PM | 0.4 | 0.4 | -0.4 | -0.5 | 0.0 |
| 7/7/2020 3:36 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 3:42 PM | 0.4 | 0.4 | -0.5 | -0.5 | 0.0 |
| 7/7/2020 3:48 PM | 0.4 | 0.3 | -0.5 | -0.5 | 0.0 |
| 7/7/2020 3:54 PM | 0.4 | 0.4 | -0.5 | -0.5 | 0.0 |
| 7/7/2020 4:00 PM | 0.4 | 0.4 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 4:06 PM | 0.5 | 0.3 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 4:12 PM | 0.5 | 0.4 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 4:18 PM | 0.5 | 0.4 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 4:24 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 4:30 PM | 0.5 | 0.4 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 4:36 PM | 0.5 | 0.5 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 4:42 PM | 0.5 | 0.5 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 4:48 PM | 0.4 | 0.4 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 4:54 PM | 0.4 | 0.3 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 5:00 PM | 0.4 | 0.4 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 5:06 PM | 0.5 | 0.3 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 5:12 PM | 0.5 | 0.3 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 5:18 PM | 0.5 | 0.4 | -0.5 | -0.4 | 0.0 |
| 7/7/2020 5:24 PM | 0.5 | 0.3 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 5:30 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 5:36 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 5:42 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 5:48 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 5:54 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 6:00 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 6:06 PM | 0.5 | 0.3 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 6:12 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 6:18 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 6:24 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 6:30 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 6:36 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 6:42 PM | 0.4 | 0.3 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 6:48 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 6:54 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 7:00 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 7:06 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 7:12 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 7:18 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 7:24 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 7:30 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 7:36 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 7:42 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 7:48 PM | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |



|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 7/7/2020 7:54 PM  | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 8:00 PM  | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 8:06 PM  | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 8:12 PM  | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 8:18 PM  | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 8:24 PM  | 0.5 | 0.3 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 8:30 PM  | 0.5 | 0.3 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 8:36 PM  | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 8:42 PM  | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 8:48 PM  | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 8:54 PM  | 0.4 | 0.3 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 9:00 PM  | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 9:06 PM  | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 9:12 PM  | 0.4 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 9:18 PM  | 0.4 | 0.4 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 9:24 PM  | 0.4 | 0.3 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 9:30 PM  | 0.4 | 0.3 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 9:36 PM  | 0.4 | 0.4 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 9:42 PM  | 0.4 | 0.3 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 9:48 PM  | 0.4 | 0.4 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 9:54 PM  | 0.4 | 0.4 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 10:00 PM | 0.4 | 0.4 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 10:06 PM | 0.4 | 0.4 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 10:12 PM | 0.4 | 0.5 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 10:18 PM | 0.5 | 0.4 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 10:24 PM | 0.5 | 0.4 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 10:30 PM | 0.5 | 0.4 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 10:36 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 10:42 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 10:48 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 10:54 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 11:00 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 11:06 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 11:12 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 11:18 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 11:24 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 11:30 PM | 0.5 | 0.4 | -0.3 | -0.4 | 0.0 |
| 7/7/2020 11:36 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 11:42 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 11:48 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/7/2020 11:54 PM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 12:00 AM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 12:06 AM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 12:12 AM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 12:18 AM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 12:24 AM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 12:30 AM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 12:36 AM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 12:42 AM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 12:48 AM | 0.5 | 0.4 | -0.4 | -0.4 | 0.0 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 7/8/2020 12:54 AM | 0.5 | 0.4  | -0.4 | -0.4 | 0.0 |
| 7/8/2020 1:00 AM  | 0.5 | 0.4  | -0.4 | -0.4 | 0.0 |
| 7/8/2020 1:06 AM  | 0.5 | 0.4  | -0.4 | -0.4 | 0.0 |
| 7/8/2020 1:12 AM  | 0.5 | 0.4  | -0.4 | -0.4 | 0.0 |
| 7/8/2020 1:18 AM  | 0.5 | 0.4  | -0.4 | -0.4 | 0.0 |
| 7/8/2020 1:24 AM  | 0.5 | 0.4  | -0.4 | -0.4 | 0.0 |
| 7/8/2020 1:30 AM  | 0.5 | 0.4  | -0.4 | -0.4 | 0.0 |
| 7/8/2020 1:36 AM  | 0.5 | 0.4  | -0.4 | -0.4 | 0.0 |
| 7/8/2020 1:42 AM  | 0.5 | 0.4  | -0.4 | -0.4 | 0.0 |
| 7/8/2020 1:48 AM  | 0.5 | 0.4  | -0.4 | -0.4 | 0.0 |
| 7/8/2020 1:54 AM  | 0.6 | 0.0  | -0.4 | -0.4 | 0.0 |
| 7/8/2020 2:00 AM  | 0.7 | -0.3 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 2:06 AM  | 0.5 | -0.1 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 2:12 AM  | 0.5 | -0.1 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 2:18 AM  | 0.5 | -0.2 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 2:24 AM  | 0.4 | -0.4 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 2:30 AM  | 0.4 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 2:36 AM  | 0.5 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 2:42 AM  | 0.6 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 2:48 AM  | 0.6 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 2:54 AM  | 0.7 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 3:00 AM  | 0.7 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 3:06 AM  | 0.7 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 3:12 AM  | 0.7 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 3:18 AM  | 0.7 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 3:24 AM  | 0.8 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 3:30 AM  | 0.8 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 3:36 AM  | 0.8 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 3:42 AM  | 0.8 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 3:48 AM  | 0.8 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 3:54 AM  | 0.8 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 4:00 AM  | 0.7 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 4:06 AM  | 0.7 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 4:12 AM  | 0.7 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 4:18 AM  | 0.5 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 4:24 AM  | 0.2 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 4:30 AM  | 0.3 | -0.6 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 4:36 AM  | 0.3 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 4:42 AM  | 0.3 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 4:48 AM  | 0.3 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 4:54 AM  | 0.3 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 5:00 AM  | 0.3 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 5:06 AM  | 0.3 | -0.5 | -0.4 | -0.4 | 0.0 |
| 7/8/2020 5:12 AM  | 0.3 | -0.5 | -0.5 | -0.4 | 0.0 |
| 7/8/2020 5:18 AM  | 0.3 | -0.5 | -0.5 | -0.4 | 0.0 |
| 7/8/2020 5:24 AM  | 0.3 | -0.5 | -0.5 | -0.4 | 0.0 |
| 7/8/2020 5:30 AM  | 0.3 | -0.5 | -0.5 | -0.4 | 0.0 |
| 7/8/2020 5:36 AM  | 0.3 | -0.5 | -0.5 | -0.4 | 0.0 |
| 7/8/2020 5:42 AM  | 0.3 | -0.5 | -0.5 | -0.4 | 0.0 |
| 7/8/2020 5:48 AM  | 0.3 | -0.5 | -0.5 | -0.4 | 0.0 |

|                   |     |      |      |      |      |
|-------------------|-----|------|------|------|------|
| 7/8/2020 5:54 AM  | 0.3 | -0.5 | -0.5 | -0.4 | 0.0  |
| 7/8/2020 6:00 AM  | 0.3 | -0.5 | -0.5 | -0.4 | 0.0  |
| 7/8/2020 6:06 AM  | 0.3 | -0.5 | -0.6 | -0.4 | 0.0  |
| 7/8/2020 6:12 AM  | 0.4 | -0.5 | -0.6 | -0.4 | 0.0  |
| 7/8/2020 6:18 AM  | 0.4 | -0.5 | -0.8 | -0.4 | 0.0  |
| 7/8/2020 6:24 AM  | 0.5 | -0.5 | -0.9 | -0.4 | 0.0  |
| 7/8/2020 6:30 AM  | 0.4 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 6:36 AM  | 0.4 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 6:42 AM  | 0.4 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 6:48 AM  | 0.3 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 6:54 AM  | 0.3 | -0.5 | -0.9 | -0.4 | 0.0  |
| 7/8/2020 7:00 AM  | 0.4 | -0.5 | -0.9 | -0.4 | 0.0  |
| 7/8/2020 7:06 AM  | 0.4 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 7:12 AM  | 0.4 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 7:18 AM  | 0.5 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 7:24 AM  | 0.5 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 7:30 AM  | 0.4 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 7:36 AM  | 0.4 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 7:42 AM  | 0.4 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 7:48 AM  | 0.4 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 7:54 AM  | 0.4 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 8:00 AM  | 0.4 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 8:06 AM  | 0.5 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 8:12 AM  | 0.7 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 8:18 AM  | 0.6 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 8:24 AM  | 0.6 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 8:30 AM  | 0.6 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 8:36 AM  | 0.6 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 8:42 AM  | 0.6 | -0.5 | -1.0 | -0.4 | 0.0  |
| 7/8/2020 8:48 AM  | 0.6 | -0.5 | -0.9 | -0.4 | 0.0  |
| 7/8/2020 8:54 AM  | 0.6 | -0.5 | -0.9 | -0.4 | 0.0  |
| 7/8/2020 9:00 AM  | 0.6 | -0.5 | -0.8 | -0.4 | 0.0  |
| 7/8/2020 9:06 AM  | 0.6 | -0.5 | -0.7 | -0.4 | 7.5  |
| 7/8/2020 9:12 AM  | 0.4 | -0.5 | -0.6 | -0.4 | 17.6 |
| 7/8/2020 9:18 AM  | 0.3 | -0.5 | -0.5 | -0.4 | 13.0 |
| 7/8/2020 9:24 AM  | 0.4 | -0.5 | -0.4 | -0.4 | 7.7  |
| 7/8/2020 9:30 AM  | 0.4 | -0.5 | -0.3 | -0.4 | 6.7  |
| 7/8/2020 9:36 AM  | 0.4 | -0.5 | -0.3 | -0.4 | 6.9  |
| 7/8/2020 9:42 AM  | 0.4 | -0.5 | -0.2 | -0.4 | 6.8  |
| 7/8/2020 9:48 AM  | 0.4 | -0.5 | -0.1 | -0.4 | 6.1  |
| 7/8/2020 9:54 AM  | 0.4 | -0.5 | -0.1 | -0.4 | 5.2  |
| 7/8/2020 10:00 AM | 0.4 | -0.5 | -0.1 | -0.4 | 4.7  |
| 7/8/2020 10:06 AM | 0.4 | -0.5 | -0.1 | -0.4 | 4.6  |
| 7/8/2020 10:12 AM | 0.4 | -0.5 | -0.1 | -0.4 | 4.2  |
| 7/8/2020 10:18 AM | 0.5 | -0.4 | -0.1 | -0.4 | 3.8  |
| 7/8/2020 10:24 AM | 0.5 | -0.4 | -0.2 | -0.4 | 3.4  |
| 7/8/2020 10:30 AM | 0.5 | -0.4 | -0.2 | -0.4 | 3.3  |
| 7/8/2020 10:36 AM | 0.5 | -0.4 | -0.2 | -0.4 | 3.3  |
| 7/8/2020 10:42 AM | 0.5 | -0.4 | -0.3 | -0.4 | 3.1  |
| 7/8/2020 10:48 AM | 0.5 | -0.4 | -0.3 | -0.4 | 2.9  |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 7/8/2020 10:54 AM | 0.5 | -0.4 | -0.3 | -0.4 | 2.8 |
| 7/8/2020 11:00 AM | 0.5 | -0.4 | -0.3 | -0.4 | 2.8 |
| 7/8/2020 11:06 AM | 0.5 | -0.4 | -0.2 | -0.4 | 2.9 |
| 7/8/2020 11:12 AM | 0.5 | -0.4 | -0.2 | -0.3 | 2.8 |
| 7/8/2020 11:18 AM | 0.5 | -0.4 | -0.2 | -0.3 | 2.8 |
| 7/8/2020 11:24 AM | 0.5 | -0.4 | -0.3 | -0.3 | 2.8 |
| 7/8/2020 11:30 AM | 0.5 | -0.4 | -0.3 | -0.3 | 2.8 |
| 7/8/2020 11:36 AM | 0.5 | -0.4 | -0.3 | -0.3 | 2.8 |
| 7/8/2020 11:42 AM | 0.5 | -0.4 | -0.3 | -0.3 | 2.8 |
| 7/8/2020 11:48 AM | 0.5 | -0.4 | -0.3 | -0.3 | 2.8 |
| 7/8/2020 11:54 AM | 0.5 | -0.4 | -0.3 | -0.3 | 2.8 |
| 7/8/2020 12:00 PM | 0.5 | -0.4 | -0.3 | -0.3 | 2.8 |
| 7/8/2020 12:06 PM | 0.4 | -0.5 | -0.3 | -0.4 | 2.8 |
| 7/8/2020 12:12 PM | 0.4 | -0.5 | -0.4 | -0.4 | 2.8 |
| 7/8/2020 12:18 PM | 0.4 | -0.5 | -0.4 | -0.4 | 2.8 |
| 7/8/2020 12:24 PM | 0.4 | -0.5 | -0.4 | -0.4 | 2.8 |
| 7/8/2020 12:30 PM | 0.4 | -0.5 | -0.4 | -0.4 | 2.8 |
| 7/8/2020 12:36 PM | 0.4 | -0.5 | -0.4 | -0.4 | 2.8 |
| 7/8/2020 12:42 PM | 0.4 | -0.5 | -0.4 | -0.4 | 2.8 |
| 7/8/2020 12:48 PM | 0.4 | -0.5 | -0.4 | -0.4 | 2.7 |
| 7/8/2020 12:54 PM | 0.4 | -0.5 | -0.4 | -0.4 | 2.7 |
| 7/8/2020 1:00 PM  | 0.4 | -0.5 | -0.4 | -0.4 | 2.7 |
| 7/8/2020 1:06 PM  | 0.4 | -0.5 | -0.4 | -0.4 | 2.8 |
| 7/8/2020 1:12 PM  | 0.4 | -0.5 | -0.4 | -0.4 | 2.8 |
| 7/8/2020 1:18 PM  | 0.4 | -0.5 | -0.4 | -0.4 | 2.8 |
| 7/8/2020 1:24 PM  | 0.4 | -0.5 | -0.5 | -0.4 | 2.8 |
| 7/8/2020 1:30 PM  | 0.4 | -0.5 | -0.5 | -0.4 | 2.9 |
| 7/8/2020 1:36 PM  | 0.4 | -0.5 | -0.5 | -0.4 | 2.8 |
| 7/8/2020 1:42 PM  | 0.4 | -0.5 | -0.5 | -0.4 | 2.8 |
| 7/8/2020 1:48 PM  | 0.4 | -0.5 | -0.5 | -0.4 | 2.8 |
| 7/8/2020 1:54 PM  | 0.4 | -0.5 | -0.5 | -0.4 | 2.8 |
| 7/8/2020 2:00 PM  | 0.4 | -0.5 | -0.5 | -0.4 | 2.8 |
| 7/8/2020 2:06 PM  | 0.4 | -0.5 | -0.5 | -0.4 | 2.7 |
| 7/8/2020 2:12 PM  | 0.4 | -0.5 | -0.5 | -0.3 | 2.7 |
| 7/8/2020 2:18 PM  | 0.4 | -0.5 | -0.4 | -0.3 | 2.8 |
| 7/8/2020 2:24 PM  | 0.4 | -0.4 | -0.4 | -0.3 | 2.8 |
| 7/8/2020 2:30 PM  | 0.4 | -0.4 | -0.4 | -0.3 | 2.7 |
| 7/8/2020 2:36 PM  | 0.4 | -0.4 | -0.4 | -0.3 | 2.6 |
| 7/8/2020 2:42 PM  | 0.4 | -0.4 | -0.4 | -0.3 | 2.7 |
| 7/8/2020 2:48 PM  | 0.4 | -0.4 | -0.4 | -0.3 | 2.7 |
| 7/8/2020 2:54 PM  | 0.4 | -0.4 | -0.4 | -0.3 | 2.6 |
| 7/8/2020 3:00 PM  | 0.4 | -0.3 | -0.4 | -0.3 | 2.6 |
| 7/8/2020 3:06 PM  | 0.4 | -0.4 | -0.4 | -0.3 | 2.6 |
| 7/8/2020 3:12 PM  | 0.4 | -0.4 | -0.4 | -0.3 | 2.6 |
| 7/8/2020 3:18 PM  | 0.4 | -0.4 | -0.5 | -0.3 | 2.6 |
| 7/8/2020 3:24 PM  | 0.5 | -0.4 | -0.5 | -0.3 | 2.6 |
| 7/8/2020 3:30 PM  | 0.5 | -0.4 | -0.4 | -0.3 | 2.5 |
| 7/8/2020 3:36 PM  | 0.5 | -0.4 | -0.1 | -0.2 | 2.5 |
| 7/8/2020 3:42 PM  | 0.5 | -0.4 | 0.2  | -0.2 | 2.5 |
| 7/8/2020 3:48 PM  | 0.6 | -0.4 | 0.1  | -0.2 | 2.5 |

|                  |     |      |      |      |      |
|------------------|-----|------|------|------|------|
| 7/8/2020 3:54 PM | 0.7 | -0.4 | 0.1  | -0.2 | 2.6  |
| 7/8/2020 4:00 PM | 1.2 | -0.4 | 0.1  | -0.2 | 5.0  |
| 7/8/2020 4:06 PM | 1.6 | -0.4 | 0.1  | -0.2 | 9.4  |
| 7/8/2020 4:12 PM | 1.4 | -0.4 | 0.1  | -0.2 | 10.5 |
| 7/8/2020 4:18 PM | 1.3 | -0.4 | 0.1  | -0.2 | 9.8  |
| 7/8/2020 4:24 PM | 1.2 | -0.4 | 0.0  | -0.2 | 9.3  |
| 7/8/2020 4:30 PM | 1.2 | -0.4 | 0.0  | -0.3 | 8.8  |
| 7/8/2020 4:36 PM | 1.2 | -0.4 | 0.0  | -0.3 | 8.2  |
| 7/8/2020 4:42 PM | 1.1 | -0.4 | 0.0  | -0.3 | 7.7  |
| 7/8/2020 4:48 PM | 1.1 | -0.4 | 0.1  | -0.3 | 7.7  |
| 7/8/2020 4:54 PM | 1.1 | -0.4 | 0.0  | -0.3 | 7.7  |
| 7/8/2020 5:00 PM | 1.1 | -0.4 | 0.0  | -0.3 | 7.8  |
| 7/8/2020 5:06 PM | 1.2 | -0.4 | 0.0  | -0.3 | 7.6  |
| 7/8/2020 5:12 PM | 1.3 | -0.4 | 0.0  | -0.3 | 7.5  |
| 7/8/2020 5:18 PM | 1.3 | -0.3 | 0.0  | -0.3 | 7.2  |
| 7/8/2020 5:24 PM | 0.9 | -0.3 | -0.1 | -0.3 | 5.9  |
| 7/8/2020 5:30 PM | 0.3 | -0.3 | -0.1 | -0.3 | 3.4  |
| 7/8/2020 5:36 PM | 0.2 | -0.3 | -0.2 | -0.3 | 2.5  |
| 7/8/2020 5:42 PM | 0.2 | -0.3 | -0.3 | -0.3 | 2.6  |
| 7/8/2020 5:48 PM | 0.2 | -0.3 | -0.3 | -0.3 | 2.6  |
| 7/8/2020 5:54 PM | 0.2 | -0.3 | -0.3 | -0.3 | 2.7  |
| 7/8/2020 6:00 PM | 0.3 | -0.3 | -0.4 | -0.3 | 2.9  |
| 7/8/2020 6:06 PM | 0.3 | -0.3 | -0.4 | -0.3 | 2.9  |
| 7/8/2020 6:12 PM | 0.3 | -0.2 | -0.4 | -0.3 | 2.9  |
| 7/8/2020 6:18 PM | 0.3 | -0.3 | -0.5 | -0.3 | 2.9  |
| 7/8/2020 6:24 PM | 0.3 | -0.3 | -0.5 | -0.3 | 3.0  |
| 7/8/2020 6:30 PM | 0.4 | -0.3 | -0.5 | -0.3 | 3.0  |
| 7/8/2020 6:36 PM | 0.4 | -0.3 | -0.6 | -0.3 | 3.1  |
| 7/8/2020 6:42 PM | 0.4 | -0.3 | -0.6 | -0.3 | 3.0  |
| 7/8/2020 6:48 PM | 0.4 | -0.3 | -0.6 | -0.3 | 2.9  |
| 7/8/2020 6:54 PM | 0.4 | -0.3 | -0.6 | -0.3 | 2.9  |
| 7/8/2020 7:00 PM | 0.4 | -0.3 | -0.6 | -0.3 | 2.9  |
| 7/8/2020 7:06 PM | 0.4 | -0.3 | -0.6 | -0.3 | 2.9  |
| 7/8/2020 7:12 PM | 0.4 | -0.3 | -0.6 | -0.3 | 2.8  |
| 7/8/2020 7:18 PM | 0.4 | -0.4 | -0.6 | -0.3 | 2.8  |
| 7/8/2020 7:24 PM | 0.4 | -0.4 | -0.6 | -0.3 | 2.9  |
| 7/8/2020 7:30 PM | 0.4 | -0.4 | -0.7 | -0.3 | 2.9  |
| 7/8/2020 7:36 PM | 0.4 | -0.4 | -0.7 | -0.3 | 2.8  |
| 7/8/2020 7:42 PM | 0.4 | -0.4 | -0.7 | -0.3 | 2.7  |
| 7/8/2020 7:48 PM | 0.4 | -0.3 | -0.7 | -0.3 | 2.7  |
| 7/8/2020 7:54 PM | 0.4 | -0.3 | -0.7 | -0.3 | 2.7  |
| 7/8/2020 8:00 PM | 0.4 | -0.3 | -0.7 | -0.3 | 2.8  |
| 7/8/2020 8:06 PM | 0.4 | -0.3 | -0.7 | -0.3 | 2.8  |
| 7/8/2020 8:12 PM | 0.4 | -0.3 | -0.7 | -0.3 | 2.8  |
| 7/8/2020 8:18 PM | 0.4 | -0.3 | -0.7 | -0.3 | 2.6  |
| 7/8/2020 8:24 PM | 0.4 | -0.3 | -0.8 | -0.3 | 2.4  |
| 7/8/2020 8:30 PM | 0.4 | -0.3 | -0.8 | -0.3 | 2.5  |
| 7/8/2020 8:36 PM | 0.4 | -0.2 | -0.8 | -0.3 | 2.6  |
| 7/8/2020 8:42 PM | 0.4 | -0.2 | -0.8 | -0.3 | 2.7  |
| 7/8/2020 8:48 PM | 0.4 | -0.2 | -0.8 | -0.3 | 2.6  |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 7/8/2020 8:54 PM  | 0.4 | -0.2 | -0.8 | -0.3 | 2.6 |
| 7/8/2020 9:00 PM  | 0.4 | -0.2 | -0.8 | -0.3 | 2.7 |
| 7/8/2020 9:06 PM  | 0.4 | -0.2 | -0.8 | -0.3 | 2.7 |
| 7/8/2020 9:12 PM  | 0.4 | -0.2 | -0.8 | -0.3 | 2.7 |
| 7/8/2020 9:18 PM  | 0.4 | -0.2 | -0.8 | -0.3 | 2.7 |
| 7/8/2020 9:24 PM  | 0.4 | -0.2 | -0.8 | -0.3 | 2.7 |
| 7/8/2020 9:30 PM  | 0.4 | -0.2 | -0.8 | -0.3 | 2.8 |
| 7/8/2020 9:36 PM  | 0.4 | -0.2 | -0.8 | -0.3 | 2.7 |
| 7/8/2020 9:42 PM  | 0.4 | -0.2 | -0.8 | -0.3 | 2.7 |
| 7/8/2020 9:48 PM  | 0.4 | -0.2 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 9:54 PM  | 0.4 | -0.2 | -0.9 | -0.3 | 2.8 |
| 7/8/2020 10:00 PM | 0.4 | -0.2 | -0.9 | -0.3 | 2.8 |
| 7/8/2020 10:06 PM | 0.4 | -0.2 | -0.9 | -0.3 | 2.8 |
| 7/8/2020 10:12 PM | 0.4 | -0.2 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 10:18 PM | 0.4 | -0.2 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 10:24 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.8 |
| 7/8/2020 10:30 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 10:36 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 10:42 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 10:48 PM | 0.4 | -0.2 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 10:54 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 11:00 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 11:06 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 11:12 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 11:18 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 11:24 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 11:30 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.7 |
| 7/8/2020 11:36 PM | 0.4 | -0.1 | -0.9 | -0.3 | 2.2 |
| 7/8/2020 11:42 PM | 0.5 | -0.1 | -0.9 | -0.3 | 0.8 |
| 7/8/2020 11:48 PM | 0.4 | -0.1 | -0.9 | -0.3 | 0.0 |
| 7/8/2020 11:54 PM | 0.3 | -0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 12:00 AM | 0.3 | -0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 12:06 AM | 0.3 | -0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 12:12 AM | 0.4 | -0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 12:18 AM | 0.4 | -0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 12:24 AM | 0.5 | -0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 12:30 AM | 0.5 | -0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 12:36 AM | 0.6 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 12:42 AM | 0.6 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 12:48 AM | 0.6 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 12:54 AM | 0.6 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 1:00 AM  | 0.6 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 1:06 AM  | 0.6 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 1:12 AM  | 0.6 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 1:18 AM  | 0.4 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 1:24 AM  | 0.3 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 1:30 AM  | 0.3 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 1:36 AM  | 0.3 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 1:42 AM  | 0.3 | 0.0  | -0.9 | -0.3 | 0.0 |
| 7/9/2020 1:48 AM  | 0.3 | 0.0  | -0.9 | -0.3 | 0.0 |

|                  |     |     |      |      |     |
|------------------|-----|-----|------|------|-----|
| 7/9/2020 1:54 AM | 0.3 | 0.0 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 2:00 AM | 0.6 | 0.0 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 2:06 AM | 0.6 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 2:12 AM | 0.6 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 2:18 AM | 0.6 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 2:24 AM | 0.6 | 0.0 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 2:30 AM | 0.6 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 2:36 AM | 0.6 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 2:42 AM | 0.6 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 2:48 AM | 0.6 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 2:54 AM | 0.5 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 3:00 AM | 0.5 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 3:06 AM | 0.5 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 3:12 AM | 0.5 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 3:18 AM | 0.6 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 3:24 AM | 0.6 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 3:30 AM | 0.6 | 0.1 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 3:36 AM | 0.6 | 0.2 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 3:42 AM | 0.6 | 0.2 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 3:48 AM | 0.6 | 0.2 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 3:54 AM | 0.6 | 0.2 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 4:00 AM | 0.6 | 0.2 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 4:06 AM | 0.5 | 0.2 | -0.8 | -0.3 | 0.0 |
| 7/9/2020 4:12 AM | 0.3 | 0.2 | -0.8 | -0.3 | 0.0 |
| 7/9/2020 4:18 AM | 0.3 | 0.2 | -0.8 | -0.3 | 0.0 |
| 7/9/2020 4:24 AM | 0.3 | 0.2 | -0.8 | -0.3 | 0.0 |
| 7/9/2020 4:30 AM | 0.3 | 0.2 | -0.8 | -0.3 | 0.0 |
| 7/9/2020 4:36 AM | 0.3 | 0.2 | -0.8 | -0.3 | 0.0 |
| 7/9/2020 4:42 AM | 0.3 | 0.3 | -0.8 | -0.3 | 0.0 |
| 7/9/2020 4:48 AM | 0.3 | 0.3 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 4:54 AM | 0.3 | 0.3 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 5:00 AM | 0.4 | 0.4 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 5:06 AM | 0.4 | 0.5 | -0.9 | -0.3 | 0.0 |
| 7/9/2020 5:12 AM | 0.4 | 0.6 | -1.0 | -0.3 | 0.0 |
| 7/9/2020 5:18 AM | 0.4 | 0.7 | -1.0 | -0.3 | 0.0 |
| 7/9/2020 5:24 AM | 0.4 | 0.7 | -1.0 | -0.3 | 0.0 |
| 7/9/2020 5:30 AM | 0.4 | 0.8 | -1.0 | -0.3 | 0.0 |
| 7/9/2020 5:36 AM | 0.4 | 0.8 | -1.0 | -0.3 | 0.0 |
| 7/9/2020 5:42 AM | 0.4 | 0.9 | -1.0 | -0.3 | 0.0 |
| 7/9/2020 5:48 AM | 0.4 | 0.9 | -1.1 | -0.3 | 0.0 |
| 7/9/2020 5:54 AM | 0.4 | 0.9 | -1.1 | -0.3 | 0.0 |
| 7/9/2020 6:00 AM | 0.5 | 1.0 | -1.1 | -0.3 | 0.0 |
| 7/9/2020 6:06 AM | 0.4 | 1.0 | -1.1 | -0.3 | 0.0 |
| 7/9/2020 6:12 AM | 0.5 | 1.0 | -1.1 | -0.3 | 0.0 |
| 7/9/2020 6:18 AM | 0.5 | 1.0 | -1.1 | -0.3 | 0.0 |
| 7/9/2020 6:24 AM | 0.5 | 1.0 | -1.1 | -0.3 | 0.0 |
| 7/9/2020 6:30 AM | 0.5 | 1.1 | -1.1 | -0.3 | 0.0 |
| 7/9/2020 6:36 AM | 0.5 | 1.0 | -1.1 | -0.3 | 0.0 |
| 7/9/2020 6:42 AM | 0.5 | 1.0 | -1.1 | -0.4 | 0.0 |
| 7/9/2020 6:48 AM | 0.5 | 1.0 | -1.1 | -0.4 | 0.0 |

|                   |          |          |          |          |          |
|-------------------|----------|----------|----------|----------|----------|
| 7/9/2020 6:54 AM  | 0.5      | 1.0      | -1.1     | -0.4     | 0.0      |
| 7/9/2020 7:00 AM  | 0.5      | 0.9      | -1.1     | -0.4     | 0.0      |
| 7/9/2020 7:06 AM  | 0.5      | 0.9      | -1.1     | -0.4     | 0.0      |
| 7/9/2020 7:12 AM  | 0.6      | 0.9      | -1.1     | -0.4     | 0.0      |
| 7/9/2020 7:18 AM  | 0.7      | 0.9      | -1.1     | -0.4     | 0.0      |
| 7/9/2020 7:24 AM  | 0.7      | 0.9      | -1.1     | -0.4     | 0.0      |
| 7/9/2020 7:30 AM  | 0.6      | 0.8      | -1.1     | -0.4     | 0.0      |
| 7/9/2020 7:36 AM  | 0.6      | 0.8      | -1.1     | -0.4     | 0.0      |
| 7/9/2020 7:42 AM  | 0.6      | 0.7      | -1.1     | -0.4     | 0.0      |
| 7/9/2020 7:48 AM  | 0.6      | 0.7      | -1.1     | -0.4     | 0.0      |
| 7/9/2020 7:54 AM  | 0.6      | 0.6      | -1.0     | -0.4     | 0.0      |
| 7/9/2020 8:00 AM  | 0.6      | 0.4      | -1.0     | -0.4     | 0.0      |
| 7/9/2020 8:06 AM  | 0.6      | 0.1      | -0.8     | -0.4     | 0.0      |
| 7/9/2020 8:12 AM  | 0.6      | 0.0      | -0.8     | -0.4     | 0.0      |
| 7/9/2020 8:18 AM  | 0.7      | 0.1      | -0.8     | -0.4     | 0.0      |
| 7/9/2020 8:24 AM  | 0.7      | 0.2      | -0.8     | -0.4     | 7.2      |
| 7/9/2020 8:30 AM  | 0.4      | 0.0      | -0.7     | -0.4     | 11.9     |
| 7/9/2020 8:36 AM  | 0.3      | 0.0      | -0.6     | -0.4     | 8.2      |
| 7/9/2020 8:42 AM  | 0.3      | 0.1      | -0.6     | -0.4     | 7.6      |
| 7/9/2020 8:48 AM  | 0.3      | 0.1      | -0.5     | -0.4     | 6.9      |
| 7/9/2020 8:54 AM  | 0.4      | 0.1      | -0.4     | -0.3     | 5.8      |
| 7/9/2020 9:00 AM  | 0.5      | 0.1      | -0.2     | -0.3     | 4.7      |
| 7/9/2020 9:06 AM  | 0.5      | 0.1      | -0.2     | -0.3     | 4.2      |
| 7/9/2020 9:12 AM  | 0.4      | 0.3      | -0.2     | -0.3     | 3.8      |
| 7/9/2020 9:18 AM  | 0.4      | 0.3      | -0.2     | -0.4     | 3.5      |
| 7/9/2020 9:24 AM  | 0.4      | 0.3      | -0.2     | -0.4     | 3.2      |
| 7/9/2020 9:30 AM  | 0.4      | 0.4      | -0.2     | -0.4     | 3.1      |
| 7/9/2020 9:36 AM  | 0.4      | 0.5      | -0.2     | -0.4     | 3.1      |
| 7/9/2020 9:42 AM  | 0.4      | 0.5      | -0.2     | -0.4     | 3.3      |
| 7/9/2020 9:48 AM  | 0.4      | 0.4      | -0.2     | -0.3     | 3.3      |
| 7/9/2020 9:54 AM  | 0.4      | 0.4      | -0.2     | -0.3     | 3.2      |
| 7/9/2020 10:00 AM | 0.5      | 0.3      | -0.2     | -0.3     | 3.1      |
| 7/9/2020 10:06 AM | 0.5      | 0.3      | -0.2     | -0.3     | 3.0      |
| 7/9/2020 10:12 AM | 0.5      | 0.3      | -0.3     | -0.3     | 3.0      |
| 7/9/2020 10:18 AM | 0.5      | 0.3      | -0.3     | -0.3     | 3.0      |
| 7/9/2020 10:24 AM | 0.5      | 0.3      | -0.3     | -0.3     | 3.0      |
| 7/9/2020 10:30 AM | 0.5      | 0.2      | -0.3     | -0.3     | 2.9      |
| 7/9/2020 10:36 AM | 0.5      | 0.2      | -0.3     | -0.3     | 2.8      |
| 7/9/2020 10:42 AM | 0.4      | 0.2      | -0.3     | -0.3     | 2.8      |
| 7/9/2020 10:48 AM | 0.5      | 0.2      | -0.3     | -0.3     | 2.8      |
| 7/9/2020 10:54 AM | 0.5      | 0.2      | -0.2     | -0.3     | 2.8      |
| 7/9/2020 11:00 AM | 0.5      | 0.2      | -0.2     | -0.3     | 3.0      |
| 7/9/2020 11:06 AM | 0.5      | 0.2      | -0.1     | -0.3     | 3.0      |
| 7/9/2020 11:12 AM | 0.5      | 0.2      | -0.1     | -0.3     | 2.9      |
| 7/9/2020 11:18 AM | 0.4      | 0.2      | -0.2     | -0.3     | 2.9      |
| 7/9/2020 11:24 AM | 0.4      | 0.2      | -0.2     | -0.3     | 2.9      |
| 7/9/2020 11:30 AM | 0.4      | 0.3      | -0.2     | -0.3     | 2.9      |
| 7/9/2020 11:36 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 7/9/2020 11:42 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 7/9/2020 11:48 AM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |



|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 7/9/2020 11:54 AM | 0.4 | 0.2 | -0.1 | -0.3 | 2.8 |
| 7/9/2020 12:00 PM | 0.5 | 0.2 | -0.1 | -0.3 | 2.8 |
| 7/9/2020 12:06 PM | 0.5 | 0.2 | -0.1 | -0.3 | 2.8 |
| 7/9/2020 12:12 PM | 0.5 | 0.2 | -0.2 | -0.3 | 2.7 |
| 7/9/2020 12:18 PM | 0.5 | 0.2 | -0.2 | -0.3 | 2.7 |
| 7/9/2020 12:24 PM | 0.5 | 0.2 | -0.3 | -0.3 | 2.7 |
| 7/9/2020 12:30 PM | 0.5 | 0.3 | -0.3 | -0.3 | 2.7 |
| 7/9/2020 12:36 PM | 0.5 | 0.4 | -0.4 | -0.3 | 2.8 |
| 7/9/2020 12:42 PM | 0.4 | 0.5 | -0.4 | -0.3 | 2.8 |
| 7/9/2020 12:48 PM | 0.4 | 0.6 | -0.5 | -0.3 | 2.8 |
| 7/9/2020 12:54 PM | 0.4 | 0.6 | -0.4 | -0.3 | 2.8 |
| 7/9/2020 1:00 PM  | 0.4 | 0.6 | -0.4 | -0.3 | 2.8 |
| 7/9/2020 1:06 PM  | 0.4 | 0.5 | -0.4 | -0.3 | 2.8 |
| 7/9/2020 1:12 PM  | 0.4 | 0.4 | -0.3 | -0.3 | 2.9 |
| 7/9/2020 1:18 PM  | 0.5 | 0.3 | -0.3 | -0.3 | 2.8 |
| 7/9/2020 1:24 PM  | 0.4 | 0.3 | -0.3 | -0.3 | 2.8 |
| 7/9/2020 1:30 PM  | 0.5 | 0.4 | -0.3 | -0.3 | 2.7 |
| 7/9/2020 1:36 PM  | 0.5 | 0.4 | -0.3 | -0.3 | 2.8 |
| 7/9/2020 1:42 PM  | 0.5 | 0.5 | -0.3 | -0.3 | 2.8 |
| 7/9/2020 1:48 PM  | 0.5 | 0.5 | -0.3 | -0.3 | 2.7 |
| 7/9/2020 1:54 PM  | 0.5 | 0.5 | -0.2 | -0.3 | 2.8 |
| 7/9/2020 2:00 PM  | 0.5 | 0.5 | -0.2 | -0.3 | 2.8 |
| 7/9/2020 2:06 PM  | 0.5 | 0.4 | -0.2 | -0.3 | 2.8 |
| 7/9/2020 2:12 PM  | 0.5 | 0.4 | -0.2 | -0.3 | 2.8 |
| 7/9/2020 2:18 PM  | 0.5 | 0.4 | -0.3 | -0.3 | 2.8 |
| 7/9/2020 2:24 PM  | 0.6 | 0.5 | -0.3 | -0.3 | 2.8 |
| 7/9/2020 2:30 PM  | 0.6 | 0.6 | -0.4 | -0.3 | 2.8 |
| 7/9/2020 2:36 PM  | 0.6 | 0.8 | -0.4 | -0.3 | 2.8 |
| 7/9/2020 2:42 PM  | 0.7 | 1.0 | -0.4 | -0.3 | 2.7 |
| 7/9/2020 2:48 PM  | 0.7 | 1.1 | -0.4 | -0.3 | 2.6 |
| 7/9/2020 2:54 PM  | 0.7 | 1.3 | -0.4 | -0.3 | 2.6 |
| 7/9/2020 3:00 PM  | 0.7 | 1.3 | -0.4 | -0.3 | 2.7 |
| 7/9/2020 3:06 PM  | 0.7 | 1.3 | -0.4 | -0.3 | 2.7 |
| 7/9/2020 3:12 PM  | 0.7 | 1.3 | -0.5 | -0.3 | 2.6 |
| 7/9/2020 3:18 PM  | 0.7 | 1.3 | -0.5 | -0.3 | 2.6 |
| 7/9/2020 3:24 PM  | 0.7 | 1.2 | -0.5 | -0.3 | 2.6 |
| 7/9/2020 3:30 PM  | 0.7 | 1.1 | -0.5 | -0.3 | 2.6 |
| 7/9/2020 3:36 PM  | 0.7 | 1.0 | -0.5 | -0.3 | 2.6 |
| 7/9/2020 3:42 PM  | 0.7 | 1.0 | -0.6 | -0.3 | 2.6 |
| 7/9/2020 3:48 PM  | 0.7 | 0.9 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 3:54 PM  | 0.7 | 0.8 | -0.6 | -0.3 | 2.6 |
| 7/9/2020 4:00 PM  | 0.7 | 0.9 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 4:06 PM  | 0.7 | 0.9 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 4:12 PM  | 0.7 | 0.9 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 4:18 PM  | 0.6 | 1.0 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 4:24 PM  | 0.4 | 1.1 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 4:30 PM  | 0.4 | 1.1 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 4:36 PM  | 0.4 | 1.1 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 4:42 PM  | 0.4 | 1.1 | -0.7 | -0.3 | 2.6 |
| 7/9/2020 4:48 PM  | 0.5 | 1.1 | -0.7 | -0.3 | 2.6 |

|                  |     |     |      |      |     |
|------------------|-----|-----|------|------|-----|
| 7/9/2020 4:54 PM | 0.5 | 1.0 | -0.7 | -0.3 | 2.6 |
| 7/9/2020 5:00 PM | 0.5 | 1.0 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 5:06 PM | 0.5 | 1.0 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 5:12 PM | 0.5 | 1.0 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 5:18 PM | 0.4 | 1.0 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 5:24 PM | 0.4 | 1.0 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 5:30 PM | 0.4 | 1.1 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 5:36 PM | 0.4 | 1.2 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 5:42 PM | 0.4 | 1.3 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 5:48 PM | 0.4 | 1.3 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 5:54 PM | 0.4 | 1.3 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 6:00 PM | 0.4 | 1.4 | -0.6 | -0.3 | 2.8 |
| 7/9/2020 6:06 PM | 0.4 | 1.5 | -0.6 | -0.3 | 2.8 |
| 7/9/2020 6:12 PM | 0.4 | 1.7 | -0.5 | -0.3 | 2.7 |
| 7/9/2020 6:18 PM | 0.4 | 1.9 | -0.4 | -0.3 | 2.7 |
| 7/9/2020 6:24 PM | 0.4 | 2.1 | -0.4 | -0.3 | 2.6 |
| 7/9/2020 6:30 PM | 0.4 | 2.3 | -0.4 | -0.3 | 2.6 |
| 7/9/2020 6:36 PM | 0.4 | 2.4 | -0.4 | -0.3 | 2.6 |
| 7/9/2020 6:42 PM | 0.4 | 2.5 | -0.5 | -0.3 | 2.7 |
| 7/9/2020 6:48 PM | 0.4 | 2.5 | -0.5 | -0.3 | 2.8 |
| 7/9/2020 6:54 PM | 0.4 | 2.5 | -0.5 | -0.3 | 2.9 |
| 7/9/2020 7:00 PM | 0.4 | 2.4 | -0.6 | -0.3 | 2.8 |
| 7/9/2020 7:06 PM | 0.4 | 2.4 | -0.6 | -0.3 | 2.8 |
| 7/9/2020 7:12 PM | 0.4 | 2.3 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 7:18 PM | 0.4 | 2.2 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 7:24 PM | 0.4 | 2.2 | -0.6 | -0.3 | 2.8 |
| 7/9/2020 7:30 PM | 0.4 | 2.1 | -0.6 | -0.3 | 2.6 |
| 7/9/2020 7:36 PM | 0.4 | 2.1 | -0.6 | -0.3 | 2.6 |
| 7/9/2020 7:42 PM | 0.4 | 2.1 | -0.6 | -0.3 | 2.6 |
| 7/9/2020 7:48 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 7:54 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 8:00 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 8:06 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 8:12 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.6 |
| 7/9/2020 8:18 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.6 |
| 7/9/2020 8:24 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.6 |
| 7/9/2020 8:30 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 8:36 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.7 |
| 7/9/2020 8:42 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.8 |
| 7/9/2020 8:48 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.9 |
| 7/9/2020 8:54 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.9 |
| 7/9/2020 9:00 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.9 |
| 7/9/2020 9:06 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.9 |
| 7/9/2020 9:12 PM | 0.4 | 2.0 | -0.6 | -0.3 | 2.9 |
| 7/9/2020 9:18 PM | 0.4 | 2.0 | -0.6 | -0.3 | 3.0 |
| 7/9/2020 9:24 PM | 0.4 | 2.1 | -0.6 | -0.3 | 3.0 |
| 7/9/2020 9:30 PM | 0.4 | 2.1 | -0.6 | -0.3 | 2.9 |
| 7/9/2020 9:36 PM | 0.4 | 2.1 | -0.6 | -0.3 | 2.8 |
| 7/9/2020 9:42 PM | 0.4 | 2.1 | -0.7 | -0.3 | 2.9 |
| 7/9/2020 9:48 PM | 0.4 | 2.1 | -0.7 | -0.3 | 3.0 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 7/9/2020 9:54 PM   | 0.4 | 2.1 | -0.7 | -0.3 | 2.9 |
| 7/9/2020 10:00 PM  | 0.4 | 2.1 | -0.7 | -0.3 | 2.9 |
| 7/9/2020 10:06 PM  | 0.4 | 2.1 | -0.7 | -0.3 | 2.9 |
| 7/9/2020 10:12 PM  | 0.4 | 2.1 | -0.7 | -0.3 | 2.9 |
| 7/9/2020 10:18 PM  | 0.5 | 2.1 | -0.7 | -0.3 | 2.9 |
| 7/9/2020 10:24 PM  | 0.5 | 2.1 | -0.7 | -0.3 | 2.9 |
| 7/9/2020 10:30 PM  | 0.5 | 2.0 | -0.7 | -0.3 | 2.8 |
| 7/9/2020 10:36 PM  | 0.5 | 2.0 | -0.6 | -0.3 | 2.8 |
| 7/9/2020 10:42 PM  | 0.5 | 2.0 | -0.6 | -0.3 | 2.9 |
| 7/9/2020 10:48 PM  | 0.5 | 2.0 | -0.6 | -0.3 | 2.9 |
| 7/9/2020 10:54 PM  | 0.5 | 2.0 | -0.6 | -0.3 | 2.9 |
| 7/9/2020 11:00 PM  | 0.5 | 1.9 | -0.6 | -0.3 | 2.9 |
| 7/9/2020 11:06 PM  | 0.5 | 1.9 | -0.6 | -0.3 | 2.8 |
| 7/9/2020 11:12 PM  | 0.5 | 1.9 | -0.6 | -0.3 | 2.8 |
| 7/9/2020 11:18 PM  | 0.5 | 2.0 | -0.7 | -0.3 | 2.8 |
| 7/9/2020 11:24 PM  | 0.5 | 2.0 | -0.7 | -0.3 | 2.8 |
| 7/9/2020 11:30 PM  | 0.5 | 2.0 | -0.7 | -0.3 | 2.8 |
| 7/9/2020 11:36 PM  | 0.5 | 2.0 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 11:42 PM  | 0.5 | 2.0 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 11:48 PM  | 0.5 | 2.1 | -0.7 | -0.3 | 2.7 |
| 7/9/2020 11:54 PM  | 0.5 | 2.0 | -0.7 | -0.3 | 2.7 |
| 7/10/2020 12:00 AM | 0.5 | 2.0 | -0.7 | -0.3 | 2.7 |
| 7/10/2020 12:06 AM | 0.5 | 2.0 | -0.7 | -0.3 | 2.7 |
| 7/10/2020 12:12 AM | 0.5 | 2.0 | -0.7 | -0.3 | 2.8 |
| 7/10/2020 12:18 AM | 0.5 | 2.0 | -0.7 | -0.3 | 2.8 |
| 7/10/2020 12:24 AM | 0.5 | 2.0 | -0.7 | -0.3 | 2.8 |
| 7/10/2020 12:30 AM | 0.5 | 2.0 | -0.7 | -0.3 | 2.8 |
| 7/10/2020 12:36 AM | 0.5 | 2.0 | -0.7 | -0.3 | 2.7 |
| 7/10/2020 12:42 AM | 0.5 | 2.0 | -0.7 | -0.3 | 2.7 |
| 7/10/2020 12:48 AM | 0.7 | 2.0 | -0.7 | -0.3 | 2.2 |
| 7/10/2020 12:54 AM | 0.9 | 1.9 | -0.7 | -0.3 | 0.8 |
| 7/10/2020 1:00 AM  | 0.6 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 1:06 AM  | 0.6 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 1:12 AM  | 0.5 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 1:18 AM  | 0.5 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 1:24 AM  | 0.5 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 1:30 AM  | 0.5 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 1:36 AM  | 0.5 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 1:42 AM  | 0.5 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 1:48 AM  | 0.4 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 1:54 AM  | 0.4 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 2:00 AM  | 0.4 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 2:06 AM  | 0.4 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 2:12 AM  | 0.4 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 2:18 AM  | 0.4 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 2:24 AM  | 0.4 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 2:30 AM  | 0.4 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 2:36 AM  | 0.4 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 2:42 AM  | 0.4 | 1.9 | -0.7 | -0.3 | 0.0 |
| 7/10/2020 2:48 AM  | 0.4 | 1.9 | -0.7 | -0.3 | 0.0 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 7/10/2020 2:54 AM | 0.4 | 1.9  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 3:00 AM | 0.4 | 1.9  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 3:06 AM | 0.4 | 1.9  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 3:12 AM | 0.3 | 1.9  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 3:18 AM | 0.3 | 1.9  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 3:24 AM | 0.3 | 1.9  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 3:30 AM | 0.3 | 1.9  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 3:36 AM | 0.3 | 1.9  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 3:42 AM | 0.3 | 1.9  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 3:48 AM | 0.3 | 2.0  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 3:54 AM | 0.3 | 2.0  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 4:00 AM | 0.3 | 2.0  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 4:06 AM | 0.3 | 2.0  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 4:12 AM | 0.3 | 2.0  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 4:18 AM | 0.3 | 2.0  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 4:24 AM | 0.3 | 2.0  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 4:30 AM | 0.3 | 2.0  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 4:36 AM | 0.3 | 2.0  | -0.7 | -0.3 | 0.0 |
| 7/10/2020 4:42 AM | 0.3 | 12.6 | -0.7 | 8.7  | 0.0 |
| 7/10/2020 4:48 AM | 0.3 | 16.6 | -0.7 | 15.2 | 3.7 |
| 7/10/2020 4:54 AM | 0.3 | 8.5  | -0.7 | 6.7  | 0.9 |
| 7/10/2020 5:00 AM | 0.3 | 6.4  | -0.7 | 2.9  | 0.0 |
| 7/10/2020 5:06 AM | 0.3 | 4.2  | -0.7 | 2.1  | 0.0 |
| 7/10/2020 5:12 AM | 0.3 | 3.2  | -0.7 | 1.6  | 0.0 |
| 7/10/2020 5:18 AM | 0.3 | 2.8  | -0.7 | 1.1  | 0.0 |
| 7/10/2020 5:24 AM | 0.3 | 2.4  | -0.8 | 0.8  | 0.0 |
| 7/10/2020 5:30 AM | 0.3 | 2.3  | -0.8 | 0.6  | 0.0 |
| 7/10/2020 5:36 AM | 0.3 | 2.2  | -0.8 | 0.4  | 0.0 |
| 7/10/2020 5:42 AM | 0.3 | 2.2  | -0.8 | 0.3  | 0.0 |
| 7/10/2020 5:48 AM | 0.3 | 2.1  | -0.8 | 0.1  | 0.0 |
| 7/10/2020 5:54 AM | 0.3 | 2.2  | -0.8 | 0.1  | 0.0 |
| 7/10/2020 6:00 AM | 0.3 | 2.2  | -0.8 | 0.0  | 0.0 |
| 7/10/2020 6:06 AM | 0.3 | 2.2  | -0.8 | -0.1 | 0.0 |
| 7/10/2020 6:12 AM | 0.5 | 2.3  | -0.8 | -0.1 | 0.0 |
| 7/10/2020 6:18 AM | 0.7 | 2.3  | -0.8 | -0.1 | 0.0 |
| 7/10/2020 6:24 AM | 0.8 | 2.3  | -0.8 | -0.1 | 0.0 |
| 7/10/2020 6:30 AM | 0.7 | 2.3  | -0.8 | -0.2 | 0.0 |
| 7/10/2020 6:36 AM | 0.7 | 2.3  | -0.8 | -0.2 | 0.0 |
| 7/10/2020 6:42 AM | 0.6 | 2.4  | -0.8 | -0.1 | 0.0 |
| 7/10/2020 6:48 AM | 0.5 | 2.3  | -0.8 | -0.1 | 0.0 |
| 7/10/2020 6:54 AM | 0.5 | 2.3  | -0.8 | -0.1 | 0.0 |
| 7/10/2020 7:00 AM | 0.5 | 2.4  | -0.8 | -0.1 | 0.0 |
| 7/10/2020 7:06 AM | 0.5 | 2.3  | -0.8 | -0.2 | 0.0 |
| 7/10/2020 7:12 AM | 0.4 | 2.3  | -0.8 | -0.2 | 0.0 |
| 7/10/2020 7:18 AM | 0.5 | 2.4  | -0.8 | -0.2 | 0.0 |
| 7/10/2020 7:24 AM | 0.5 | 2.5  | -0.8 | -0.3 | 0.0 |
| 7/10/2020 7:30 AM | 0.5 | 2.6  | -0.9 | -0.3 | 0.0 |
| 7/10/2020 7:36 AM | 0.5 | 2.6  | -0.9 | -0.3 | 0.0 |
| 7/10/2020 7:42 AM | 0.4 | 2.7  | -0.9 | -0.3 | 0.0 |
| 7/10/2020 7:48 AM | 0.4 | 2.7  | -0.9 | -0.3 | 0.0 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 7/10/2020 7:54 AM  | 0.5  | 2.8  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 8:00 AM  | 0.4  | 2.8  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 8:06 AM  | 0.5  | 2.9  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 8:12 AM  | 1.0  | 2.9  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 8:18 AM  | 1.2  | 3.0  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 8:24 AM  | 1.1  | 3.1  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 8:30 AM  | 1.0  | 3.1  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 8:36 AM  | 0.7  | 15.9 | -0.9 | -0.3 | 0.0  |
| 7/10/2020 8:42 AM  | 0.3  | 20.3 | -0.9 | -0.3 | 0.0  |
| 7/10/2020 8:48 AM  | 0.2  | 10.1 | -0.9 | -0.3 | 0.0  |
| 7/10/2020 8:54 AM  | 0.2  | 8.4  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 9:00 AM  | 0.3  | 5.8  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 9:06 AM  | 0.3  | 4.2  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 9:12 AM  | 0.3  | 3.9  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 9:18 AM  | 0.3  | 4.2  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 9:24 AM  | 0.4  | 4.2  | -0.9 | -0.3 | 0.0  |
| 7/10/2020 9:30 AM  | 0.4  | 3.9  | -0.8 | -0.3 | 0.0  |
| 7/10/2020 9:36 AM  | 0.4  | 3.2  | -0.8 | -0.3 | 0.0  |
| 7/10/2020 9:42 AM  | 0.3  | 2.5  | -0.8 | -0.3 | 0.0  |
| 7/10/2020 9:48 AM  | 0.3  | 2.0  | -0.7 | -0.3 | 0.0  |
| 7/10/2020 9:54 AM  | 0.3  | 1.7  | -0.6 | -0.3 | 0.0  |
| 7/10/2020 10:00 AM | 0.3  | 1.5  | -0.5 | -0.3 | 0.0  |
| 7/10/2020 10:06 AM | 0.3  | 1.3  | -0.5 | -0.2 | 0.0  |
| 7/10/2020 10:12 AM | 0.3  | 1.2  | -0.5 | -0.2 | 0.0  |
| 7/10/2020 10:18 AM | 0.3  | 1.1  | -0.5 | -0.2 | 0.1  |
| 7/10/2020 10:24 AM | 0.4  | 1.1  | -0.6 | -0.2 | 0.1  |
| 7/10/2020 10:30 AM | 0.4  | 1.0  | -0.7 | -0.2 | 0.1  |
| 7/10/2020 10:36 AM | 0.4  | 1.0  | -0.7 | -0.2 | 0.1  |
| 7/10/2020 10:42 AM | 0.3  | 1.0  | -0.7 | -0.2 | 0.1  |
| 7/10/2020 10:48 AM | 0.3  | 0.9  | -0.7 | -0.2 | 0.1  |
| 7/10/2020 10:54 AM | 0.3  | 0.9  | -0.8 | -0.2 | 0.1  |
| 7/10/2020 11:00 AM | 0.4  | 1.0  | -0.8 | -0.2 | 0.1  |
| 7/10/2020 11:06 AM | 0.5  | 1.0  | -0.8 | -0.2 | 0.1  |
| 7/10/2020 11:12 AM | 0.5  | 0.9  | -0.8 | -0.2 | 0.1  |
| 7/10/2020 11:18 AM | 0.8  | 0.9  | -0.8 | -0.2 | 0.1  |
| 7/10/2020 11:24 AM | 1.0  | 1.0  | -0.8 | -0.2 | 0.1  |
| 7/10/2020 11:30 AM | 1.0  | 0.9  | -0.8 | -0.2 | 0.1  |
| 7/10/2020 11:36 AM | 0.9  | 0.9  | -0.8 | -0.2 | 0.1  |
| 7/10/2020 11:42 AM | 0.9  | 0.8  | -0.8 | -0.2 | 0.1  |
| 7/10/2020 11:48 AM | 0.9  | 0.8  | -0.8 | -0.2 | 0.1  |
| 7/10/2020 11:54 AM | 0.9  | 0.9  | -0.8 | -0.2 | 0.1  |
| 7/10/2020 12:00 PM | 0.6  | 1.0  | -0.8 | -0.3 | 0.0  |
| 7/10/2020 12:06 PM | -0.7 | 1.1  | -0.9 | -0.6 | -0.2 |
| 7/10/2020 12:12 PM | -0.8 | 0.9  | -0.9 | -0.6 | -0.1 |
| 7/10/2020 12:18 PM | -0.7 | 0.8  | -0.9 | -0.6 | -0.1 |
| 7/10/2020 12:24 PM | -0.7 | 1.7  | -0.9 | -0.5 | -0.1 |
| 7/10/2020 12:30 PM | -0.7 | 3.2  | -0.9 | 10.3 | -0.1 |
| 7/10/2020 12:36 PM | -0.7 | 3.2  | -0.9 | 25.6 | -0.2 |
| 7/10/2020 12:42 PM | -0.6 | 2.8  | -0.8 | 25.0 | -0.1 |
| 7/10/2020 12:48 PM | -0.6 | 2.4  | -0.8 | 21.7 | -0.1 |

|                    |      |     |      |      |      |
|--------------------|------|-----|------|------|------|
| 7/10/2020 12:54 PM | -0.7 | 2.2 | -0.8 | 17.6 | 3.0  |
| 7/10/2020 1:00 PM  | -0.9 | 1.9 | -0.8 | 17.4 | 9.7  |
| 7/10/2020 1:06 PM  | -0.9 | 1.8 | -0.8 | 17.0 | 9.6  |
| 7/10/2020 1:12 PM  | -0.8 | 1.8 | -0.7 | 17.4 | 11.0 |
| 7/10/2020 1:18 PM  | -0.8 | 1.6 | -0.7 | 17.4 | 14.9 |
| 7/10/2020 1:24 PM  | -0.8 | 1.4 | -0.7 | 15.0 | 13.4 |
| 7/10/2020 1:30 PM  | -1.1 | 0.9 | -0.7 | 10.8 | 10.4 |
| 7/10/2020 1:36 PM  | -1.4 | 0.4 | -0.6 | 6.8  | 7.7  |
| 7/10/2020 1:42 PM  | -1.4 | 0.7 | -0.6 | 8.7  | 8.7  |
| 7/10/2020 1:48 PM  | -1.3 | 0.9 | -0.6 | 10.9 | 10.0 |
| 7/10/2020 1:54 PM  | -0.9 | 0.5 | -0.6 | 11.7 | 10.3 |
| 7/10/2020 2:00 PM  | -0.6 | 0.1 | -0.6 | 10.7 | 10.5 |
| 7/10/2020 2:06 PM  | -0.7 | 0.0 | -0.5 | 10.1 | 9.6  |
| 7/10/2020 2:12 PM  | -0.7 | 0.1 | -0.5 | 10.3 | 8.1  |
| 7/10/2020 2:18 PM  | -0.7 | 0.2 | -0.4 | 10.7 | 6.6  |
| 7/10/2020 2:24 PM  | -0.7 | 0.2 | -0.3 | 10.4 | 6.1  |
| 7/10/2020 2:30 PM  | -0.8 | 0.3 | -0.1 | 10.2 | 6.2  |
| 7/10/2020 2:36 PM  | -0.8 | 0.3 | -0.1 | 10.7 | 6.1  |
| 7/10/2020 2:42 PM  | -0.8 | 0.5 | -0.2 | 11.1 | 6.1  |
| 7/10/2020 2:48 PM  | -0.8 | 1.6 | -0.3 | 11.5 | 6.2  |
| 7/10/2020 2:54 PM  | -0.9 | 2.0 | -0.4 | 12.7 | 6.0  |
| 7/10/2020 3:00 PM  | -0.9 | 1.7 | -0.5 | 12.6 | 5.9  |
| 7/10/2020 3:06 PM  | -0.9 | 1.7 | -0.6 | 12.7 | 6.1  |
| 7/10/2020 3:12 PM  | -0.9 | 1.8 | -0.6 | 12.7 | 6.1  |
| 7/10/2020 3:18 PM  | -0.9 | 1.7 | -0.6 | 12.3 | 6.0  |
| 7/10/2020 3:24 PM  | -0.9 | 1.6 | -0.7 | 12.0 | 5.9  |
| 7/10/2020 3:30 PM  | -0.9 | 1.5 | -0.8 | 11.1 | 5.5  |
| 7/10/2020 3:36 PM  | -1.0 | 1.5 | -0.8 | 10.2 | 4.8  |
| 7/10/2020 3:42 PM  | -0.9 | 1.4 | -0.9 | 10.2 | 4.5  |
| 7/10/2020 3:48 PM  | -0.8 | 1.4 | -0.9 | 10.4 | 4.9  |
| 7/10/2020 3:54 PM  | -0.9 | 1.4 | -0.9 | 11.7 | 5.9  |
| 7/10/2020 4:00 PM  | -0.8 | 1.4 | -0.9 | 12.5 | 6.7  |
| 7/10/2020 4:06 PM  | -0.9 | 1.4 | -1.0 | 12.3 | 6.9  |
| 7/10/2020 4:12 PM  | -1.2 | 1.4 | -0.9 | 12.6 | 7.2  |
| 7/10/2020 4:18 PM  | -1.3 | 1.3 | -0.9 | 12.4 | 7.7  |
| 7/10/2020 4:24 PM  | -1.3 | 1.4 | -1.0 | 12.1 | 7.6  |
| 7/10/2020 4:30 PM  | -1.3 | 1.4 | -1.0 | 11.9 | 7.2  |
| 7/10/2020 4:36 PM  | -1.3 | 1.4 | -1.1 | 11.6 | 6.8  |
| 7/10/2020 4:42 PM  | -1.3 | 1.4 | -1.1 | 11.7 | 6.6  |
| 7/10/2020 4:48 PM  | -1.3 | 1.4 | -1.1 | 11.7 | 6.6  |
| 7/10/2020 4:54 PM  | -1.3 | 1.4 | -1.1 | 11.5 | 6.7  |
| 7/10/2020 5:00 PM  | -1.3 | 1.4 | -1.2 | 11.5 | 6.7  |
| 7/10/2020 5:06 PM  | -1.3 | 1.4 | -1.1 | 11.3 | 6.3  |
| 7/10/2020 5:12 PM  | -1.2 | 1.2 | -1.1 | 10.3 | 6.0  |
| 7/10/2020 5:18 PM  | -1.2 | 1.1 | -0.9 | 10.1 | 6.2  |
| 7/10/2020 5:24 PM  | -1.2 | 1.1 | -0.9 | 9.9  | 6.7  |
| 7/10/2020 5:30 PM  | -1.2 | 1.2 | -0.9 | 10.4 | 6.8  |
| 7/10/2020 5:36 PM  | -1.2 | 1.3 | -0.9 | 11.0 | 6.6  |
| 7/10/2020 5:42 PM  | -1.2 | 1.3 | -0.9 | 11.0 | 6.5  |
| 7/10/2020 5:48 PM  | -1.2 | 1.3 | -0.9 | 10.9 | 6.5  |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/10/2020 5:54 PM  | -1.2 | 1.3 | -0.9 | 10.8 | 6.4 |
| 7/10/2020 6:00 PM  | -1.2 | 1.2 | -0.9 | 10.5 | 6.1 |
| 7/10/2020 6:06 PM  | -1.2 | 1.2 | -0.9 | 10.6 | 6.2 |
| 7/10/2020 6:12 PM  | -1.2 | 1.1 | -0.9 | 11.0 | 6.1 |
| 7/10/2020 6:18 PM  | -1.2 | 1.0 | -0.9 | 11.2 | 6.2 |
| 7/10/2020 6:24 PM  | -1.2 | 1.1 | -0.9 | 11.1 | 6.2 |
| 7/10/2020 6:30 PM  | -1.2 | 1.1 | -1.0 | 11.1 | 6.0 |
| 7/10/2020 6:36 PM  | -1.2 | 1.1 | -1.0 | 11.3 | 6.0 |
| 7/10/2020 6:42 PM  | -1.2 | 1.1 | -1.0 | 11.2 | 6.2 |
| 7/10/2020 6:48 PM  | -1.2 | 1.0 | -1.0 | 11.2 | 6.3 |
| 7/10/2020 6:54 PM  | -1.2 | 1.1 | -1.0 | 11.3 | 6.3 |
| 7/10/2020 7:00 PM  | -1.2 | 1.1 | -1.1 | 11.6 | 6.5 |
| 7/10/2020 7:06 PM  | -1.2 | 1.2 | -1.1 | 11.2 | 6.6 |
| 7/10/2020 7:12 PM  | -1.2 | 1.2 | -1.1 | 11.2 | 6.6 |
| 7/10/2020 7:18 PM  | -1.2 | 1.2 | -1.1 | 11.1 | 6.5 |
| 7/10/2020 7:24 PM  | -1.2 | 1.2 | -1.1 | 11.5 | 6.5 |
| 7/10/2020 7:30 PM  | -1.2 | 1.3 | -1.1 | 11.8 | 6.4 |
| 7/10/2020 7:36 PM  | -1.1 | 1.3 | -1.1 | 11.8 | 6.5 |
| 7/10/2020 7:42 PM  | -0.6 | 1.3 | -1.1 | 12.1 | 6.2 |
| 7/10/2020 7:48 PM  | -0.5 | 1.3 | -1.1 | 11.9 | 5.9 |
| 7/10/2020 7:54 PM  | -0.6 | 1.3 | -1.1 | 11.5 | 6.0 |
| 7/10/2020 8:00 PM  | -0.7 | 1.2 | -1.1 | 10.8 | 6.2 |
| 7/10/2020 8:06 PM  | -0.7 | 1.3 | -1.1 | 10.8 | 6.0 |
| 7/10/2020 8:12 PM  | -0.7 | 1.3 | -1.1 | 10.9 | 5.7 |
| 7/10/2020 8:18 PM  | -0.7 | 1.3 | -1.1 | 11.4 | 5.8 |
| 7/10/2020 8:24 PM  | -0.7 | 1.2 | -1.1 | 11.2 | 5.9 |
| 7/10/2020 8:30 PM  | -0.7 | 1.2 | -1.1 | 11.5 | 5.9 |
| 7/10/2020 8:36 PM  | -0.7 | 1.2 | -1.1 | 11.6 | 5.9 |
| 7/10/2020 8:42 PM  | -0.7 | 1.3 | -1.0 | 12.1 | 6.1 |
| 7/10/2020 8:48 PM  | -0.6 | 1.2 | -1.0 | 12.3 | 6.1 |
| 7/10/2020 8:54 PM  | -0.6 | 1.2 | -1.0 | 12.6 | 6.1 |
| 7/10/2020 9:00 PM  | -0.7 | 1.2 | -1.0 | 12.2 | 6.1 |
| 7/10/2020 9:06 PM  | -0.7 | 1.2 | -1.1 | 11.9 | 6.0 |
| 7/10/2020 9:12 PM  | -0.7 | 1.2 | -1.1 | 11.7 | 6.0 |
| 7/10/2020 9:18 PM  | -0.7 | 1.2 | -1.1 | 11.4 | 6.1 |
| 7/10/2020 9:24 PM  | -0.7 | 1.2 | -1.1 | 11.4 | 6.2 |
| 7/10/2020 9:30 PM  | -0.7 | 1.2 | -1.2 | 11.0 | 6.5 |
| 7/10/2020 9:36 PM  | -0.7 | 1.3 | -1.2 | 11.3 | 6.5 |
| 7/10/2020 9:42 PM  | -0.7 | 1.3 | -1.2 | 11.4 | 6.3 |
| 7/10/2020 9:48 PM  | -0.7 | 1.1 | -1.2 | 11.3 | 6.4 |
| 7/10/2020 9:54 PM  | -0.7 | 1.0 | -1.2 | 11.0 | 6.6 |
| 7/10/2020 10:00 PM | -0.7 | 1.0 | -1.2 | 11.2 | 6.7 |
| 7/10/2020 10:06 PM | -0.7 | 1.0 | -1.2 | 11.3 | 6.6 |
| 7/10/2020 10:12 PM | -0.7 | 0.9 | -1.2 | 11.3 | 6.4 |
| 7/10/2020 10:18 PM | -0.7 | 0.9 | -1.2 | 10.9 | 6.1 |
| 7/10/2020 10:24 PM | -0.6 | 0.9 | -1.2 | 11.0 | 6.0 |
| 7/10/2020 10:30 PM | -0.7 | 0.9 | -1.2 | 11.5 | 6.0 |
| 7/10/2020 10:36 PM | -0.8 | 0.9 | -1.1 | 11.6 | 6.0 |
| 7/10/2020 10:42 PM | -0.8 | 1.0 | -1.1 | 11.7 | 6.0 |
| 7/10/2020 10:48 PM | -0.7 | 1.0 | -1.1 | 11.6 | 5.9 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 7/10/2020 10:54 PM | -0.7 | 1.0  | -1.2 | 11.3 | 5.9  |
| 7/10/2020 11:00 PM | -0.7 | 1.2  | -1.2 | 11.5 | 6.0  |
| 7/10/2020 11:06 PM | -0.7 | 1.3  | -1.2 | 11.4 | 6.2  |
| 7/10/2020 11:12 PM | -0.8 | 1.2  | -1.2 | 11.0 | 6.3  |
| 7/10/2020 11:18 PM | -0.8 | 1.2  | -1.2 | 10.9 | 6.0  |
| 7/10/2020 11:24 PM | -0.8 | 1.2  | -1.2 | 10.9 | 5.9  |
| 7/10/2020 11:30 PM | -0.7 | 1.3  | -1.1 | 11.0 | 6.2  |
| 7/10/2020 11:36 PM | -0.6 | 1.4  | -1.1 | 11.1 | 6.5  |
| 7/10/2020 11:42 PM | -0.8 | 1.2  | -1.1 | 10.7 | 6.6  |
| 7/10/2020 11:48 PM | -0.8 | 1.0  | -1.1 | 10.7 | 6.5  |
| 7/10/2020 11:54 PM | -0.8 | 0.9  | -1.1 | 10.2 | 6.1  |
| 7/11/2020 12:00 AM | -0.8 | 0.9  | -1.1 | 9.8  | 5.8  |
| 7/11/2020 12:06 AM | -0.8 | 1.0  | -1.1 | 10.0 | 5.8  |
| 7/11/2020 12:12 AM | -0.8 | 1.1  | -1.1 | 10.5 | 6.1  |
| 7/11/2020 12:18 AM | -0.8 | 1.1  | -1.1 | 10.2 | 6.1  |
| 7/11/2020 12:24 AM | -0.7 | 1.2  | -1.1 | 10.1 | 5.9  |
| 7/11/2020 12:30 AM | -0.7 | 1.2  | -1.1 | 11.0 | 5.8  |
| 7/11/2020 12:36 AM | -0.7 | 1.2  | -1.1 | 11.5 | 5.3  |
| 7/11/2020 12:42 AM | -0.7 | 1.3  | -1.0 | 9.2  | 2.8  |
| 7/11/2020 12:48 AM | -0.7 | 1.5  | -1.0 | 3.3  | 0.1  |
| 7/11/2020 12:54 AM | -0.7 | 1.6  | -1.0 | 0.4  | -0.3 |
| 7/11/2020 1:00 AM  | -0.6 | 1.5  | -1.0 | 0.6  | -0.3 |
| 7/11/2020 1:06 AM  | -0.6 | 1.5  | -1.0 | 0.2  | -0.3 |
| 7/11/2020 1:12 AM  | -0.6 | 0.6  | -1.0 | -0.7 | -0.4 |
| 7/11/2020 1:18 AM  | -0.7 | -0.2 | -1.0 | -1.0 | -0.4 |
| 7/11/2020 1:24 AM  | -0.7 | -0.1 | -0.9 | -1.0 | -0.4 |
| 7/11/2020 1:30 AM  | -0.7 | -0.1 | -1.0 | -1.0 | -0.3 |
| 7/11/2020 1:36 AM  | -0.7 | -0.2 | -0.9 | -1.0 | -0.3 |
| 7/11/2020 1:42 AM  | -0.6 | -0.1 | -0.9 | -1.0 | -0.3 |
| 7/11/2020 1:48 AM  | -1.0 | -0.2 | -0.9 | -1.0 | -0.4 |
| 7/11/2020 1:54 AM  | -1.4 | -0.2 | -0.9 | -1.0 | -0.4 |
| 7/11/2020 2:00 AM  | -1.5 | 0.0  | -0.9 | -1.0 | -0.3 |
| 7/11/2020 2:06 AM  | -1.4 | 0.1  | -0.8 | -1.0 | -0.3 |
| 7/11/2020 2:12 AM  | -1.4 | 0.1  | -0.8 | -1.0 | -0.4 |
| 7/11/2020 2:18 AM  | -1.4 | 0.1  | -0.9 | -1.0 | -0.4 |
| 7/11/2020 2:24 AM  | -1.4 | 0.0  | -0.9 | -1.0 | -0.3 |
| 7/11/2020 2:30 AM  | -1.4 | 0.0  | -0.9 | -1.0 | -0.3 |
| 7/11/2020 2:36 AM  | -1.4 | 0.0  | -0.9 | -1.0 | -0.4 |
| 7/11/2020 2:42 AM  | -1.4 | -0.1 | -0.9 | -1.0 | -0.3 |
| 7/11/2020 2:48 AM  | -1.4 | -0.2 | -0.9 | -1.0 | -0.3 |
| 7/11/2020 2:54 AM  | -1.4 | -0.2 | -0.9 | -1.0 | -0.3 |
| 7/11/2020 3:00 AM  | -1.3 | -0.2 | -0.9 | -1.0 | -0.3 |
| 7/11/2020 3:06 AM  | -1.3 | -0.3 | -0.8 | -1.0 | -0.4 |
| 7/11/2020 3:12 AM  | -1.3 | -0.3 | -0.9 | -1.0 | -0.4 |
| 7/11/2020 3:18 AM  | -1.3 | -0.4 | -0.8 | -1.0 | -0.3 |
| 7/11/2020 3:24 AM  | -1.3 | -0.4 | -0.8 | -1.0 | -0.3 |
| 7/11/2020 3:30 AM  | -1.3 | -0.4 | -0.8 | -1.0 | -0.3 |
| 7/11/2020 3:36 AM  | -1.3 | -0.4 | -0.8 | -1.0 | -0.3 |
| 7/11/2020 3:42 AM  | -1.3 | -0.4 | -0.8 | -1.0 | -0.3 |
| 7/11/2020 3:48 AM  | -1.3 | -0.4 | -0.8 | -1.0 | -0.3 |



|                   |      |      |      |      |      |
|-------------------|------|------|------|------|------|
| 7/11/2020 3:54 AM | -1.3 | -0.4 | -0.8 | -1.0 | -0.3 |
| 7/11/2020 4:00 AM | -1.3 | -0.4 | -0.8 | -1.0 | -0.4 |
| 7/11/2020 4:06 AM | -1.3 | -0.4 | -0.8 | -1.0 | -0.4 |
| 7/11/2020 4:12 AM | -1.3 | -0.4 | -0.8 | -1.0 | -0.3 |
| 7/11/2020 4:18 AM | -1.3 | -0.3 | -0.8 | -1.0 | -0.3 |
| 7/11/2020 4:24 AM | -1.3 | -0.3 | -0.8 | -1.0 | -0.3 |
| 7/11/2020 4:30 AM | -1.3 | -0.3 | -0.7 | -1.0 | -0.3 |
| 7/11/2020 4:36 AM | -1.3 | -0.3 | -0.7 | -1.0 | -0.3 |
| 7/11/2020 4:42 AM | -1.3 | -0.3 | -0.7 | -1.0 | -0.3 |
| 7/11/2020 4:48 AM | -1.3 | -0.3 | -0.7 | -1.0 | -0.3 |
| 7/11/2020 4:54 AM | -1.3 | -0.3 | -0.7 | -1.0 | -0.4 |
| 7/11/2020 5:00 AM | -1.3 | -0.3 | -0.8 | -1.0 | -0.4 |
| 7/11/2020 5:06 AM | -1.3 | -0.3 | -0.8 | -1.1 | -0.3 |
| 7/11/2020 5:12 AM | -1.3 | -0.3 | -0.9 | -1.0 | -0.3 |
| 7/11/2020 5:18 AM | -1.3 | -0.3 | -1.0 | -1.0 | -0.4 |
| 7/11/2020 5:24 AM | -1.3 | -0.4 | -1.1 | -1.0 | -0.4 |
| 7/11/2020 5:30 AM | -1.3 | -0.4 | -1.1 | -1.0 | -0.3 |
| 7/11/2020 5:36 AM | -1.3 | -0.4 | -1.0 | -1.1 | -0.3 |
| 7/11/2020 5:42 AM | -1.3 | -0.4 | -1.0 | -1.1 | -0.3 |
| 7/11/2020 5:48 AM | -1.3 | -0.4 | -1.1 | -1.0 | -0.3 |
| 7/11/2020 5:54 AM | -1.3 | -0.4 | -1.2 | -1.1 | -0.3 |
| 7/11/2020 6:00 AM | -1.3 | -0.4 | -1.3 | -1.1 | -0.3 |
| 7/11/2020 6:06 AM | -1.3 | -0.4 | -1.3 | -1.0 | -0.4 |
| 7/11/2020 6:12 AM | -1.3 | -0.4 | -1.3 | -1.1 | -0.4 |
| 7/11/2020 6:18 AM | -1.2 | -0.4 | -1.3 | -1.1 | -0.3 |
| 7/11/2020 6:24 AM | -1.2 | -0.4 | -1.3 | -1.1 | -0.3 |
| 7/11/2020 6:30 AM | -1.2 | -0.4 | -1.3 | -1.1 | -0.3 |
| 7/11/2020 6:36 AM | -1.2 | -0.4 | -1.3 | -1.1 | -0.4 |
| 7/11/2020 6:42 AM | -1.2 | -0.4 | -1.3 | -1.1 | -0.4 |
| 7/11/2020 6:48 AM | -1.1 | -0.5 | -1.3 | -1.1 | -0.4 |
| 7/11/2020 6:54 AM | -1.2 | -0.5 | -1.3 | -1.1 | -0.4 |
| 7/11/2020 7:00 AM | -1.2 | -0.5 | -1.3 | -1.1 | -0.4 |
| 7/11/2020 7:06 AM | -1.1 | -0.5 | -1.3 | -1.1 | -0.3 |
| 7/11/2020 7:12 AM | -1.1 | -0.5 | -1.3 | -1.1 | -0.3 |
| 7/11/2020 7:18 AM | -1.1 | -0.5 | -1.2 | -1.1 | -0.3 |
| 7/11/2020 7:24 AM | -1.1 | -0.5 | -1.2 | -1.1 | -0.4 |
| 7/11/2020 7:30 AM | -1.1 | -0.5 | -1.2 | -1.1 | -0.4 |
| 7/11/2020 7:36 AM | -1.1 | -0.5 | -1.2 | -1.1 | -0.4 |
| 7/11/2020 7:42 AM | -1.1 | -0.5 | -1.1 | -1.1 | -0.4 |
| 7/11/2020 7:48 AM | -0.9 | -0.5 | -1.0 | -1.1 | -0.4 |
| 7/11/2020 7:54 AM | -1.0 | -0.5 | -1.0 | -1.1 | -0.4 |
| 7/11/2020 8:00 AM | -1.0 | -0.5 | -0.9 | -1.1 | -0.4 |
| 7/11/2020 8:06 AM | -1.1 | -0.5 | -0.9 | -1.1 | -0.4 |
| 7/11/2020 8:12 AM | -1.2 | -0.5 | -0.8 | -1.1 | -0.3 |
| 7/11/2020 8:18 AM | -1.2 | -0.4 | -0.8 | -1.1 | -0.3 |
| 7/11/2020 8:24 AM | -1.2 | -0.4 | -0.9 | -1.1 | -0.3 |
| 7/11/2020 8:30 AM | -1.2 | -0.4 | -1.0 | -1.1 | -0.4 |
| 7/11/2020 8:36 AM | -1.2 | -0.5 | -0.9 | -1.1 | -0.4 |
| 7/11/2020 8:42 AM | -1.2 | -0.5 | -0.9 | -1.1 | -0.3 |
| 7/11/2020 8:48 AM | -1.2 | -0.5 | -0.8 | -1.1 | -0.3 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 7/11/2020 8:54 AM  | -1.2 | -0.5 | -0.7 | -1.1 | -0.3 |
| 7/11/2020 9:00 AM  | -1.2 | -0.5 | -0.5 | -1.1 | -0.4 |
| 7/11/2020 9:06 AM  | -1.2 | -0.4 | -0.4 | -1.1 | -0.4 |
| 7/11/2020 9:12 AM  | -1.2 | -0.4 | -0.3 | -1.0 | -0.3 |
| 7/11/2020 9:18 AM  | -1.2 | -0.5 | -0.3 | -1.0 | -0.3 |
| 7/11/2020 9:24 AM  | -1.2 | -0.5 | -0.3 | -1.0 | -0.4 |
| 7/11/2020 9:30 AM  | -1.2 | -0.4 | -0.3 | -1.1 | -0.4 |
| 7/11/2020 9:36 AM  | -1.2 | -0.4 | -0.3 | -1.1 | -0.4 |
| 7/11/2020 9:42 AM  | -1.2 | -0.4 | -0.3 | -1.1 | -0.3 |
| 7/11/2020 9:48 AM  | -1.2 | -0.4 | -0.3 | -1.0 | -0.3 |
| 7/11/2020 9:54 AM  | -1.2 | -0.4 | -0.3 | -1.0 | -0.4 |
| 7/11/2020 10:00 AM | -1.2 | -0.3 | -0.3 | -1.0 | -0.4 |
| 7/11/2020 10:06 AM | -1.1 | 0.0  | -0.4 | -1.0 | -0.3 |
| 7/11/2020 10:12 AM | -1.1 | -0.1 | -0.4 | -1.0 | -0.4 |
| 7/11/2020 10:18 AM | -1.1 | -0.2 | -0.4 | -1.0 | -0.3 |
| 7/11/2020 10:24 AM | -1.2 | -0.2 | -0.4 | -1.0 | -0.3 |
| 7/11/2020 10:30 AM | -1.2 | -0.2 | -0.5 | -1.0 | -0.3 |
| 7/11/2020 10:36 AM | -1.2 | -0.2 | -0.5 | -1.0 | -0.3 |
| 7/11/2020 10:42 AM | -1.2 | -0.2 | -0.5 | -1.0 | -0.4 |
| 7/11/2020 10:48 AM | -1.2 | -0.2 | -0.5 | -1.0 | -0.4 |
| 7/11/2020 10:54 AM | -1.2 | -0.3 | -0.5 | -1.0 | -0.4 |
| 7/11/2020 11:00 AM | -1.0 | 0.1  | -0.4 | -1.0 | -0.3 |
| 7/11/2020 11:06 AM | -0.9 | 0.3  | -0.4 | -1.0 | -0.3 |
| 7/11/2020 11:12 AM | -1.0 | 0.1  | -0.4 | -1.0 | -0.3 |
| 7/11/2020 11:18 AM | -1.0 | 0.1  | -0.5 | -1.0 | -0.3 |
| 7/11/2020 11:24 AM | -1.1 | 0.1  | -0.5 | -1.0 | -0.3 |
| 7/11/2020 11:30 AM | -1.1 | 0.0  | -0.5 | -1.0 | -0.3 |
| 7/11/2020 11:36 AM | -1.1 | 0.0  | -0.5 | -1.0 | -0.3 |
| 7/11/2020 11:42 AM | -1.1 | 0.0  | -0.5 | -1.0 | -0.3 |
| 7/11/2020 11:48 AM | -1.0 | 0.2  | -0.5 | -1.0 | -0.3 |
| 7/11/2020 11:54 AM | -0.7 | 0.6  | -0.5 | -1.0 | -0.3 |
| 7/11/2020 12:00 PM | -0.4 | 0.9  | -0.5 | -0.9 | -0.3 |
| 7/11/2020 12:06 PM | 0.6  | 1.5  | -0.4 | -0.6 | -0.2 |
| 7/11/2020 12:12 PM | 0.6  | 1.5  | -0.5 | -0.6 | -0.2 |
| 7/11/2020 12:18 PM | 0.5  | 1.6  | -0.5 | -0.6 | -0.2 |
| 7/11/2020 12:24 PM | 0.7  | 2.4  | -0.6 | -0.6 | -0.2 |
| 7/11/2020 12:30 PM | 1.3  | 3.4  | -0.6 | -0.5 | -0.2 |
| 7/11/2020 12:36 PM | 1.2  | 3.4  | -0.7 | 7.5  | -0.2 |
| 7/11/2020 12:42 PM | 1.0  | 3.2  | -0.7 | 16.8 | -0.2 |
| 7/11/2020 12:48 PM | 0.9  | 3.1  | -0.7 | 14.2 | -0.2 |
| 7/11/2020 12:54 PM | 0.8  | 3.0  | -0.8 | 18.1 | -0.2 |
| 7/11/2020 1:00 PM  | 0.7  | 3.0  | -0.7 | 20.6 | -0.2 |
| 7/11/2020 1:06 PM  | 0.7  | 3.1  | -0.7 | 18.4 | -0.2 |
| 7/11/2020 1:12 PM  | 0.7  | 3.2  | -0.7 | 18.9 | -0.2 |
| 7/11/2020 1:18 PM  | 0.7  | 3.1  | -0.7 | 16.2 | 8.5  |
| 7/11/2020 1:24 PM  | 0.6  | 2.8  | -0.7 | 14.0 | 19.9 |
| 7/11/2020 1:30 PM  | 0.6  | 2.7  | -0.7 | 13.9 | 13.4 |
| 7/11/2020 1:36 PM  | 0.7  | 2.8  | -0.7 | 14.4 | 7.5  |
| 7/11/2020 1:42 PM  | 0.7  | 2.9  | -0.8 | 14.5 | 5.5  |
| 7/11/2020 1:48 PM  | 0.7  | 2.9  | -0.8 | 14.0 | 4.6  |

|                   |      |     |      |      |      |
|-------------------|------|-----|------|------|------|
| 7/11/2020 1:54 PM | 0.7  | 2.8 | -0.8 | 13.6 | 4.6  |
| 7/11/2020 2:00 PM | 0.7  | 2.7 | -0.7 | 13.5 | 4.5  |
| 7/11/2020 2:06 PM | 0.6  | 2.4 | -0.7 | 14.0 | 4.3  |
| 7/11/2020 2:12 PM | 0.6  | 2.3 | -0.6 | 14.9 | 4.2  |
| 7/11/2020 2:18 PM | 0.6  | 2.2 | -0.6 | 14.9 | 4.1  |
| 7/11/2020 2:24 PM | 0.6  | 2.1 | -0.6 | 14.5 | 4.2  |
| 7/11/2020 2:30 PM | 0.6  | 2.2 | -0.6 | 14.3 | 4.4  |
| 7/11/2020 2:36 PM | 0.6  | 2.2 | -0.6 | 14.5 | 4.6  |
| 7/11/2020 2:42 PM | 0.6  | 2.2 | -0.6 | 14.6 | 4.7  |
| 7/11/2020 2:48 PM | 0.6  | 2.1 | -0.7 | 14.4 | 4.7  |
| 7/11/2020 2:54 PM | 0.6  | 2.0 | -0.7 | 14.3 | 4.7  |
| 7/11/2020 3:00 PM | 0.6  | 2.1 | -0.7 | 14.3 | 4.7  |
| 7/11/2020 3:06 PM | 0.6  | 2.0 | -0.7 | 14.3 | 4.6  |
| 7/11/2020 3:12 PM | 0.6  | 2.0 | -0.7 | 14.3 | 4.5  |
| 7/11/2020 3:18 PM | 0.6  | 2.0 | -0.7 | 14.3 | 4.5  |
| 7/11/2020 3:24 PM | 0.6  | 1.9 | -0.7 | 14.6 | 4.4  |
| 7/11/2020 3:30 PM | 0.6  | 1.9 | -0.7 | 15.0 | 4.3  |
| 7/11/2020 3:36 PM | 0.6  | 1.9 | -0.7 | 15.0 | 4.3  |
| 7/11/2020 3:42 PM | 0.5  | 1.9 | -0.7 | 15.1 | 4.2  |
| 7/11/2020 3:48 PM | 0.5  | 2.0 | -0.7 | 15.0 | 4.2  |
| 7/11/2020 3:54 PM | 0.5  | 2.1 | -0.7 | 14.8 | 4.1  |
| 7/11/2020 4:00 PM | 0.5  | 2.2 | -0.7 | 15.1 | 4.1  |
| 7/11/2020 4:06 PM | 0.6  | 2.1 | -0.6 | 15.5 | 4.0  |
| 7/11/2020 4:12 PM | 0.6  | 2.2 | -0.6 | 15.9 | 3.9  |
| 7/11/2020 4:18 PM | 0.7  | 2.4 | -0.6 | 16.2 | 2.6  |
| 7/11/2020 4:24 PM | 0.6  | 2.6 | -0.6 | 16.4 | 0.5  |
| 7/11/2020 4:30 PM | 0.2  | 2.5 | -0.6 | 16.3 | -0.1 |
| 7/11/2020 4:36 PM | -0.2 | 2.0 | -0.6 | 14.4 | -0.2 |
| 7/11/2020 4:42 PM | -0.4 | 1.1 | -0.6 | 8.5  | -0.2 |
| 7/11/2020 4:48 PM | -0.5 | 0.7 | -0.6 | 5.5  | -0.1 |
| 7/11/2020 4:54 PM | -0.5 | 0.7 | -0.6 | 5.9  | -0.2 |
| 7/11/2020 5:00 PM | -0.5 | 0.8 | -0.6 | 6.1  | -0.2 |
| 7/11/2020 5:06 PM | -0.5 | 0.9 | -0.6 | 6.2  | -0.2 |
| 7/11/2020 5:12 PM | -0.5 | 0.9 | -0.6 | 6.4  | -0.2 |
| 7/11/2020 5:18 PM | -0.5 | 0.9 | -0.6 | 6.5  | -0.2 |
| 7/11/2020 5:24 PM | -0.5 | 0.9 | -0.6 | 6.7  | -0.1 |
| 7/11/2020 5:30 PM | -0.5 | 0.9 | -0.6 | 6.7  | -0.2 |
| 7/11/2020 5:36 PM | -0.5 | 0.9 | -0.6 | 6.7  | -0.2 |
| 7/11/2020 5:42 PM | -0.5 | 0.9 | -0.6 | 6.9  | -0.1 |
| 7/11/2020 5:48 PM | -0.5 | 0.9 | -0.6 | 7.1  | -0.2 |
| 7/11/2020 5:54 PM | -0.5 | 0.9 | -0.7 | 7.1  | -0.1 |
| 7/11/2020 6:00 PM | 0.5  | 1.5 | -0.7 | 9.7  | -0.2 |
| 7/11/2020 6:06 PM | 1.1  | 2.5 | -0.7 | 14.3 | -0.2 |
| 7/11/2020 6:12 PM | 0.8  | 2.6 | -0.8 | 14.8 | -0.1 |
| 7/11/2020 6:18 PM | 1.1  | 2.4 | -0.8 | 14.2 | -0.1 |
| 7/11/2020 6:24 PM | 0.9  | 2.4 | -0.7 | 14.5 | -0.1 |
| 7/11/2020 6:30 PM | 0.7  | 2.3 | -0.7 | 14.8 | -0.1 |
| 7/11/2020 6:36 PM | 0.6  | 2.3 | -0.8 | 14.6 | -0.1 |
| 7/11/2020 6:42 PM | 0.6  | 2.3 | -0.8 | 14.7 | -0.2 |
| 7/11/2020 6:48 PM | 0.5  | 2.4 | -0.8 | 14.2 | -0.2 |

|                    |      |     |      |      |      |
|--------------------|------|-----|------|------|------|
| 7/11/2020 6:54 PM  | 0.5  | 2.4 | -0.8 | 13.7 | -0.2 |
| 7/11/2020 7:00 PM  | 0.5  | 2.4 | -0.8 | 13.5 | -0.1 |
| 7/11/2020 7:06 PM  | 0.5  | 2.5 | -0.8 | 13.2 | -0.1 |
| 7/11/2020 7:12 PM  | 0.5  | 2.5 | -0.8 | 12.8 | -0.1 |
| 7/11/2020 7:18 PM  | 0.5  | 2.5 | -0.7 | 13.0 | -0.1 |
| 7/11/2020 7:24 PM  | 0.5  | 2.5 | -0.7 | 12.8 | -0.1 |
| 7/11/2020 7:30 PM  | 0.5  | 2.5 | -0.7 | 13.1 | -0.1 |
| 7/11/2020 7:36 PM  | 0.5  | 2.5 | -0.7 | 13.0 | -0.1 |
| 7/11/2020 7:42 PM  | 0.5  | 2.5 | -0.6 | 12.9 | -0.2 |
| 7/11/2020 7:48 PM  | 0.4  | 2.5 | -0.6 | 12.8 | -0.2 |
| 7/11/2020 7:54 PM  | 0.5  | 2.5 | -0.6 | 13.1 | -0.2 |
| 7/11/2020 8:00 PM  | 0.5  | 2.5 | -0.5 | 12.9 | -0.2 |
| 7/11/2020 8:06 PM  | 0.5  | 2.5 | -0.5 | 13.0 | -0.2 |
| 7/11/2020 8:12 PM  | 0.5  | 2.4 | -0.5 | 13.5 | -0.2 |
| 7/11/2020 8:18 PM  | 0.5  | 2.2 | -0.5 | 13.3 | -0.1 |
| 7/11/2020 8:24 PM  | 0.2  | 2.1 | -0.4 | 13.6 | -0.1 |
| 7/11/2020 8:30 PM  | -0.2 | 2.1 | -0.4 | 13.5 | -0.1 |
| 7/11/2020 8:36 PM  | -0.2 | 1.9 | -0.4 | 13.2 | -0.2 |
| 7/11/2020 8:42 PM  | -0.5 | 1.7 | -0.3 | 13.0 | -0.2 |
| 7/11/2020 8:48 PM  | -0.7 | 1.8 | -0.3 | 13.0 | -0.1 |
| 7/11/2020 8:54 PM  | -0.7 | 2.1 | -0.2 | 13.1 | -0.1 |
| 7/11/2020 9:00 PM  | -0.6 | 2.6 | -0.2 | 13.2 | -0.1 |
| 7/11/2020 9:06 PM  | -0.6 | 1.6 | -0.2 | 7.5  | -0.1 |
| 7/11/2020 9:12 PM  | -0.6 | 0.8 | -0.3 | 3.3  | -0.1 |
| 7/11/2020 9:18 PM  | -0.7 | 0.8 | -0.3 | 3.7  | -0.1 |
| 7/11/2020 9:24 PM  | -0.7 | 0.8 | -0.2 | 4.0  | -0.2 |
| 7/11/2020 9:30 PM  | -0.7 | 0.7 | -0.2 | 4.1  | -0.2 |
| 7/11/2020 9:36 PM  | -0.7 | 0.7 | -0.2 | 4.2  | -0.2 |
| 7/11/2020 9:42 PM  | -0.6 | 0.7 | -0.2 | 4.4  | -0.1 |
| 7/11/2020 9:48 PM  | -0.6 | 0.7 | -0.2 | 4.3  | -0.2 |
| 7/11/2020 9:54 PM  | -0.6 | 0.6 | -0.2 | 4.3  | -0.2 |
| 7/11/2020 10:00 PM | -0.6 | 0.6 | -0.2 | 4.2  | -0.1 |
| 7/11/2020 10:06 PM | -0.6 | 0.6 | -0.2 | 4.4  | -0.1 |
| 7/11/2020 10:12 PM | -0.6 | 0.6 | -0.2 | 4.3  | -0.2 |
| 7/11/2020 10:18 PM | -0.6 | 0.6 | -0.2 | 4.4  | -0.2 |
| 7/11/2020 10:24 PM | -0.6 | 0.6 | -0.2 | 4.5  | -0.2 |
| 7/11/2020 10:30 PM | -0.6 | 0.6 | -0.3 | 5.9  | -0.2 |
| 7/11/2020 10:36 PM | -0.6 | 0.6 | -0.3 | 7.2  | -0.2 |
| 7/11/2020 10:42 PM | -0.6 | 0.6 | -0.4 | 7.1  | -0.2 |
| 7/11/2020 10:48 PM | -0.6 | 0.6 | -0.4 | 7.2  | -0.2 |
| 7/11/2020 10:54 PM | -0.7 | 0.6 | -0.4 | 7.0  | -0.2 |
| 7/11/2020 11:00 PM | -0.6 | 0.6 | -0.4 | 6.9  | -0.2 |
| 7/11/2020 11:06 PM | -0.6 | 0.6 | -0.4 | 7.1  | -0.2 |
| 7/11/2020 11:12 PM | -0.7 | 0.6 | -0.5 | 7.4  | -0.2 |
| 7/11/2020 11:18 PM | -0.7 | 0.6 | -0.5 | 7.3  | -0.2 |
| 7/11/2020 11:24 PM | -0.6 | 0.6 | -0.5 | 7.0  | -0.2 |
| 7/11/2020 11:30 PM | -0.6 | 0.6 | -0.5 | 7.0  | -0.2 |
| 7/11/2020 11:36 PM | -0.6 | 0.6 | -0.6 | 7.1  | -0.2 |
| 7/11/2020 11:42 PM | -0.6 | 0.6 | -0.6 | 7.1  | -0.2 |
| 7/11/2020 11:48 PM | -0.6 | 0.6 | -0.6 | 6.8  | -0.2 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 7/11/2020 11:54 PM | -0.7 | 0.6  | -0.6 | 6.6  | -0.2 |
| 7/12/2020 12:00 AM | -0.7 | 0.6  | -0.6 | 6.6  | -0.2 |
| 7/12/2020 12:06 AM | -0.7 | 0.6  | -0.6 | 6.7  | -0.2 |
| 7/12/2020 12:12 AM | -0.6 | 0.6  | -0.6 | 6.6  | -0.2 |
| 7/12/2020 12:18 AM | -0.7 | 0.6  | -0.6 | 6.4  | -0.2 |
| 7/12/2020 12:24 AM | -0.7 | 0.6  | -0.6 | 6.2  | -0.2 |
| 7/12/2020 12:30 AM | -0.7 | 0.6  | -0.6 | 6.1  | -0.2 |
| 7/12/2020 12:36 AM | -0.7 | 0.6  | -0.6 | 6.5  | -0.2 |
| 7/12/2020 12:42 AM | -0.7 | 0.6  | -0.6 | 6.3  | -0.2 |
| 7/12/2020 12:48 AM | -0.7 | 0.5  | -0.6 | 6.3  | -0.2 |
| 7/12/2020 12:54 AM | -0.7 | 0.5  | -0.6 | 6.1  | -0.2 |
| 7/12/2020 1:00 AM  | -0.7 | 0.5  | -0.6 | 5.6  | -0.2 |
| 7/12/2020 1:06 AM  | -0.7 | 0.3  | -0.6 | 6.0  | -0.2 |
| 7/12/2020 1:12 AM  | -0.7 | -0.3 | -0.6 | 6.3  | -0.2 |
| 7/12/2020 1:18 AM  | -0.7 | -0.6 | -0.6 | 6.2  | -0.2 |
| 7/12/2020 1:24 AM  | -0.7 | -0.6 | -0.6 | 6.0  | -0.2 |
| 7/12/2020 1:30 AM  | -0.7 | -0.6 | -0.6 | 5.7  | -0.2 |
| 7/12/2020 1:36 AM  | -0.7 | -0.6 | -0.6 | 5.7  | -0.2 |
| 7/12/2020 1:42 AM  | -0.7 | -0.6 | -0.6 | 5.8  | -0.2 |
| 7/12/2020 1:48 AM  | -0.7 | -0.5 | -0.6 | 5.7  | -0.2 |
| 7/12/2020 1:54 AM  | -0.7 | -0.6 | -0.6 | 5.7  | -0.2 |
| 7/12/2020 2:00 AM  | -0.7 | -0.6 | -0.6 | 8.1  | -0.2 |
| 7/12/2020 2:06 AM  | -0.7 | -0.6 | -0.6 | 10.5 | -0.2 |
| 7/12/2020 2:12 AM  | -0.7 | -0.6 | -0.6 | 11.2 | -0.2 |
| 7/12/2020 2:18 AM  | -0.7 | -0.6 | -0.6 | 13.3 | -0.2 |
| 7/12/2020 2:24 AM  | -0.7 | -0.6 | -0.6 | 13.5 | -0.2 |
| 7/12/2020 2:30 AM  | -0.7 | -0.6 | -0.6 | 13.5 | -0.2 |
| 7/12/2020 2:36 AM  | -0.7 | -0.6 | -0.6 | 13.8 | -0.2 |
| 7/12/2020 2:42 AM  | -0.7 | -0.6 | -0.6 | 13.6 | -0.2 |
| 7/12/2020 2:48 AM  | -0.7 | -0.6 | -0.6 | 13.6 | -0.2 |
| 7/12/2020 2:54 AM  | -0.7 | -0.6 | -0.6 | 13.5 | -0.2 |
| 7/12/2020 3:00 AM  | -0.7 | -0.6 | -0.6 | 13.5 | -0.2 |
| 7/12/2020 3:06 AM  | -0.7 | -0.6 | -0.6 | 13.9 | -0.1 |
| 7/12/2020 3:12 AM  | -0.7 | -0.6 | -0.6 | 13.9 | -0.2 |
| 7/12/2020 3:18 AM  | -0.7 | -0.6 | -0.6 | 13.7 | -0.2 |
| 7/12/2020 3:24 AM  | -0.7 | -0.6 | -0.6 | 13.4 | -0.2 |
| 7/12/2020 3:30 AM  | -0.7 | -0.5 | -0.6 | 13.5 | -0.2 |
| 7/12/2020 3:36 AM  | -0.7 | -0.6 | -0.6 | 13.6 | -0.2 |
| 7/12/2020 3:42 AM  | -0.7 | -0.6 | -0.6 | 13.4 | -0.2 |
| 7/12/2020 3:48 AM  | -0.7 | -0.6 | -0.6 | 13.3 | -0.2 |
| 7/12/2020 3:54 AM  | -0.7 | -0.6 | -0.6 | 13.0 | -0.2 |
| 7/12/2020 4:00 AM  | -0.7 | -0.6 | -0.6 | 13.3 | -0.2 |
| 7/12/2020 4:06 AM  | -0.7 | -0.6 | -0.6 | 13.2 | -0.2 |
| 7/12/2020 4:12 AM  | -0.7 | -0.6 | -0.6 | 13.0 | -0.2 |
| 7/12/2020 4:18 AM  | -0.8 | -0.6 | -0.6 | 13.5 | -0.2 |
| 7/12/2020 4:24 AM  | -0.7 | -0.6 | -0.6 | 13.5 | -0.2 |
| 7/12/2020 4:30 AM  | -0.7 | -0.6 | -0.6 | 13.3 | -0.2 |
| 7/12/2020 4:36 AM  | -0.7 | -0.6 | -0.6 | 13.3 | -0.2 |
| 7/12/2020 4:42 AM  | -0.7 | -0.6 | -0.6 | 13.3 | -0.2 |
| 7/12/2020 4:48 AM  | -0.7 | -0.5 | -0.6 | 13.3 | -0.2 |

|                   |      |      |      |      |      |
|-------------------|------|------|------|------|------|
| 7/12/2020 4:54 AM | -0.7 | -0.5 | -0.7 | 13.4 | -0.2 |
| 7/12/2020 5:00 AM | -0.7 | -0.5 | -0.7 | 13.2 | -0.2 |
| 7/12/2020 5:06 AM | -0.7 | -0.6 | -0.8 | 13.5 | -0.2 |
| 7/12/2020 5:12 AM | -0.7 | -0.5 | -1.0 | 13.8 | -0.2 |
| 7/12/2020 5:18 AM | -0.7 | -0.5 | -1.1 | 13.9 | -0.2 |
| 7/12/2020 5:24 AM | -0.7 | -0.6 | -1.2 | 13.8 | -0.2 |
| 7/12/2020 5:30 AM | -0.7 | -0.6 | -1.2 | 13.6 | -0.2 |
| 7/12/2020 5:36 AM | -0.7 | -0.6 | -1.2 | 13.8 | -0.2 |
| 7/12/2020 5:42 AM | -0.7 | -0.5 | -1.2 | 14.2 | -0.2 |
| 7/12/2020 5:48 AM | -0.7 | -0.5 | -1.3 | 13.7 | -0.2 |
| 7/12/2020 5:54 AM | -0.7 | -0.5 | -1.3 | 13.8 | -0.2 |
| 7/12/2020 6:00 AM | -0.7 | -0.6 | -1.3 | 13.9 | -0.2 |
| 7/12/2020 6:06 AM | -0.7 | -0.6 | -1.3 | 14.0 | -0.2 |
| 7/12/2020 6:12 AM | -0.7 | -0.6 | -1.3 | 14.1 | -0.2 |
| 7/12/2020 6:18 AM | -0.7 | -0.6 | -1.3 | 14.0 | -0.2 |
| 7/12/2020 6:24 AM | -0.7 | -0.6 | -1.3 | 13.9 | -0.2 |
| 7/12/2020 6:30 AM | -0.7 | -0.6 | -1.3 | 13.8 | -0.2 |
| 7/12/2020 6:36 AM | -0.7 | -0.6 | -1.3 | 13.5 | -0.2 |
| 7/12/2020 6:42 AM | -0.7 | -0.6 | -1.3 | 13.5 | -0.2 |
| 7/12/2020 6:48 AM | -0.7 | -0.6 | -1.3 | 13.4 | -0.2 |
| 7/12/2020 6:54 AM | -0.7 | -0.6 | -1.3 | 13.4 | -0.2 |
| 7/12/2020 7:00 AM | -0.7 | -0.6 | -1.2 | 13.6 | -0.2 |
| 7/12/2020 7:06 AM | -0.7 | -0.6 | -1.2 | 13.7 | -0.2 |
| 7/12/2020 7:12 AM | -0.7 | -0.6 | -1.2 | 13.7 | -0.2 |
| 7/12/2020 7:18 AM | -0.7 | -0.6 | -1.2 | 12.5 | -0.2 |
| 7/12/2020 7:24 AM | -0.7 | -0.6 | -1.2 | 11.8 | -0.2 |
| 7/12/2020 7:30 AM | -0.7 | -0.6 | -1.2 | 11.7 | -0.2 |
| 7/12/2020 7:36 AM | -0.7 | -0.6 | -1.2 | 12.1 | -0.2 |
| 7/12/2020 7:42 AM | -0.7 | -0.6 | -1.2 | 11.8 | -0.2 |
| 7/12/2020 7:48 AM | -0.7 | -0.6 | -1.2 | 11.7 | -0.2 |
| 7/12/2020 7:54 AM | -0.7 | -0.6 | -1.2 | 11.8 | -0.2 |
| 7/12/2020 8:00 AM | -0.6 | -0.6 | -1.2 | 11.7 | -0.2 |
| 7/12/2020 8:06 AM | -0.6 | -0.6 | -1.2 | 11.6 | -0.2 |
| 7/12/2020 8:12 AM | -0.7 | -0.6 | -1.1 | 11.9 | -0.2 |
| 7/12/2020 8:18 AM | -0.6 | -0.6 | -1.1 | 12.0 | -0.2 |
| 7/12/2020 8:24 AM | -0.6 | -0.6 | -1.1 | 11.4 | -0.2 |
| 7/12/2020 8:30 AM | -0.6 | -0.6 | -1.0 | 11.9 | -0.2 |
| 7/12/2020 8:36 AM | -0.6 | -0.6 | -1.0 | 11.9 | -0.2 |
| 7/12/2020 8:42 AM | -0.6 | -0.6 | -0.9 | 11.5 | -0.2 |
| 7/12/2020 8:48 AM | -0.6 | -0.6 | -0.8 | 11.7 | -0.2 |
| 7/12/2020 8:54 AM | -0.6 | -0.6 | -0.7 | 11.4 | -0.2 |
| 7/12/2020 9:00 AM | -0.6 | -0.6 | -0.5 | 11.9 | -0.2 |
| 7/12/2020 9:06 AM | -0.5 | -0.5 | -0.3 | 11.7 | -0.2 |
| 7/12/2020 9:12 AM | -0.5 | -0.5 | -0.3 | 11.3 | -0.2 |
| 7/12/2020 9:18 AM | -0.5 | -0.5 | -0.3 | 11.4 | -0.2 |
| 7/12/2020 9:24 AM | -0.5 | -0.6 | -0.3 | 11.8 | -0.2 |
| 7/12/2020 9:30 AM | -0.5 | -0.6 | -0.3 | 12.3 | -0.2 |
| 7/12/2020 9:36 AM | -0.5 | -0.5 | -0.3 | 12.0 | -0.2 |
| 7/12/2020 9:42 AM | -0.5 | -0.5 | -0.3 | 11.8 | -0.2 |
| 7/12/2020 9:48 AM | -0.5 | 3.1  | -0.3 | 12.5 | -0.2 |

|                    |      |     |      |     |      |
|--------------------|------|-----|------|-----|------|
| 7/12/2020 9:54 AM  | -0.5 | 7.4 | -0.3 | 8.2 | -0.2 |
| 7/12/2020 10:00 AM | -0.5 | 5.7 | -0.4 | 3.1 | -0.2 |
| 7/12/2020 10:06 AM | -0.5 | 3.7 | -0.4 | 3.3 | -0.2 |
| 7/12/2020 10:12 AM | -0.5 | 3.3 | -0.4 | 3.5 | -0.2 |
| 7/12/2020 10:18 AM | -0.5 | 2.6 | -0.4 | 3.6 | -0.2 |
| 7/12/2020 10:24 AM | -0.5 | 2.0 | -0.4 | 3.6 | -0.2 |
| 7/12/2020 10:30 AM | -0.5 | 1.7 | -0.4 | 3.8 | -0.2 |
| 7/12/2020 10:36 AM | -0.5 | 1.6 | -0.4 | 3.8 | -0.2 |
| 7/12/2020 10:42 AM | -0.5 | 1.5 | -0.4 | 3.9 | -0.2 |
| 7/12/2020 10:48 AM | -0.5 | 1.3 | -0.4 | 3.9 | -0.2 |
| 7/12/2020 10:54 AM | -0.5 | 1.2 | -0.4 | 3.9 | -0.2 |
| 7/12/2020 11:00 AM | -0.5 | 1.2 | -0.3 | 3.9 | -0.2 |
| 7/12/2020 11:06 AM | -0.5 | 1.1 | -0.3 | 3.8 | -0.2 |
| 7/12/2020 11:12 AM | -0.5 | 1.0 | -0.4 | 3.9 | -0.2 |
| 7/12/2020 11:18 AM | -0.5 | 1.0 | -0.4 | 3.8 | -0.2 |
| 7/12/2020 11:24 AM | -0.5 | 1.0 | -0.5 | 3.7 | -0.2 |
| 7/12/2020 11:30 AM | -0.5 | 1.0 | -0.5 | 3.8 | -0.2 |
| 7/12/2020 11:36 AM | -0.5 | 1.4 | -0.5 | 3.9 | -0.2 |
| 7/12/2020 11:42 AM | -0.5 | 1.3 | -0.4 | 4.0 | -0.2 |
| 7/12/2020 11:48 AM | -0.5 | 1.0 | -0.4 | 4.0 | -0.2 |
| 7/12/2020 11:54 AM | -0.5 | 1.0 | -0.4 | 3.9 | -0.2 |
| 7/12/2020 12:00 PM | -0.2 | 1.0 | -0.3 | 4.0 | -0.1 |
| 7/12/2020 12:06 PM | 1.0  | 1.1 | 0.0  | 4.3 | 0.1  |
| 7/12/2020 12:12 PM | 1.1  | 1.0 | 0.0  | 4.1 | 0.1  |
| 7/12/2020 12:18 PM | 1.0  | 1.0 | 0.0  | 4.1 | 0.1  |
| 7/12/2020 12:24 PM | 1.0  | 1.0 | 0.0  | 4.3 | 0.1  |
| 7/12/2020 12:30 PM | 1.0  | 1.0 | 0.0  | 4.4 | 0.1  |
| 7/12/2020 12:36 PM | 1.0  | 1.0 | 0.0  | 4.5 | 0.1  |
| 7/12/2020 12:42 PM | 1.1  | 1.0 | 0.0  | 4.7 | 0.1  |
| 7/12/2020 12:48 PM | 1.1  | 1.0 | 0.0  | 4.7 | 0.1  |
| 7/12/2020 12:54 PM | 1.1  | 1.1 | 0.0  | 5.2 | 0.1  |
| 7/12/2020 1:00 PM  | 1.1  | 1.0 | 0.1  | 5.9 | 0.1  |
| 7/12/2020 1:06 PM  | 1.1  | 0.9 | 0.1  | 5.7 | 0.1  |
| 7/12/2020 1:12 PM  | 1.1  | 0.9 | 0.2  | 5.6 | 0.1  |
| 7/12/2020 1:18 PM  | 1.1  | 0.9 | 0.1  | 5.5 | 0.1  |
| 7/12/2020 1:24 PM  | 1.1  | 0.9 | 0.1  | 4.8 | 0.1  |
| 7/12/2020 1:30 PM  | 1.0  | 0.9 | 0.0  | 4.4 | 0.1  |
| 7/12/2020 1:36 PM  | 1.0  | 0.9 | -0.1 | 4.7 | 0.1  |
| 7/12/2020 1:42 PM  | 1.0  | 0.9 | -0.1 | 4.7 | 0.1  |
| 7/12/2020 1:48 PM  | 1.1  | 0.9 | -0.1 | 4.5 | 0.1  |
| 7/12/2020 1:54 PM  | 1.0  | 0.9 | -0.1 | 4.5 | 0.1  |
| 7/12/2020 2:00 PM  | 1.0  | 0.8 | -0.1 | 4.5 | 0.1  |
| 7/12/2020 2:06 PM  | 1.0  | 0.8 | -0.1 | 4.6 | 0.1  |
| 7/12/2020 2:12 PM  | 1.0  | 0.8 | -0.1 | 4.7 | 0.1  |
| 7/12/2020 2:18 PM  | 1.0  | 0.8 | -0.1 | 4.8 | 0.1  |
| 7/12/2020 2:24 PM  | 1.0  | 0.9 | -0.2 | 4.8 | 0.1  |
| 7/12/2020 2:30 PM  | 1.1  | 0.9 | -0.3 | 4.9 | 0.1  |
| 7/12/2020 2:36 PM  | 1.1  | 0.9 | -0.3 | 5.0 | 0.1  |
| 7/12/2020 2:42 PM  | 1.1  | 0.9 | -0.4 | 5.2 | 0.1  |
| 7/12/2020 2:48 PM  | 1.0  | 0.9 | -0.4 | 5.0 | 0.1  |

|                   |     |     |      |     |     |
|-------------------|-----|-----|------|-----|-----|
| 7/12/2020 2:54 PM | 1.0 | 0.8 | -0.4 | 4.6 | 0.1 |
| 7/12/2020 3:00 PM | 1.0 | 0.8 | -0.4 | 4.5 | 0.1 |
| 7/12/2020 3:06 PM | 1.1 | 0.7 | -0.4 | 4.4 | 0.1 |
| 7/12/2020 3:12 PM | 1.1 | 0.7 | -0.4 | 4.4 | 0.1 |
| 7/12/2020 3:18 PM | 1.1 | 0.7 | -0.4 | 4.4 | 0.1 |
| 7/12/2020 3:24 PM | 1.1 | 0.7 | -0.4 | 4.5 | 0.1 |
| 7/12/2020 3:30 PM | 1.1 | 0.7 | -0.4 | 4.6 | 0.1 |
| 7/12/2020 3:36 PM | 1.0 | 0.7 | -0.3 | 4.7 | 0.1 |
| 7/12/2020 3:42 PM | 1.0 | 0.7 | -0.3 | 4.9 | 0.1 |
| 7/12/2020 3:48 PM | 1.0 | 0.7 | -0.3 | 4.9 | 0.1 |
| 7/12/2020 3:54 PM | 1.0 | 0.7 | -0.3 | 4.7 | 0.1 |
| 7/12/2020 4:00 PM | 1.0 | 0.6 | -0.3 | 4.6 | 0.1 |
| 7/12/2020 4:06 PM | 1.0 | 0.6 | -0.3 | 4.3 | 0.1 |
| 7/12/2020 4:12 PM | 1.0 | 0.6 | -0.3 | 4.1 | 0.1 |
| 7/12/2020 4:18 PM | 1.0 | 0.6 | -0.3 | 4.2 | 0.1 |
| 7/12/2020 4:24 PM | 1.0 | 0.6 | -0.3 | 4.4 | 0.1 |
| 7/12/2020 4:30 PM | 1.0 | 0.6 | -0.3 | 4.4 | 0.1 |
| 7/12/2020 4:36 PM | 1.0 | 0.6 | -0.3 | 4.3 | 0.1 |
| 7/12/2020 4:42 PM | 1.0 | 0.7 | -0.3 | 4.4 | 0.1 |
| 7/12/2020 4:48 PM | 1.0 | 0.8 | -0.4 | 3.8 | 0.1 |
| 7/12/2020 4:54 PM | 1.0 | 0.9 | -0.4 | 2.7 | 0.1 |
| 7/12/2020 5:00 PM | 1.0 | 0.9 | -0.4 | 2.6 | 0.1 |
| 7/12/2020 5:06 PM | 1.0 | 0.9 | -0.4 | 2.7 | 0.1 |
| 7/12/2020 5:12 PM | 1.0 | 0.9 | -0.4 | 2.7 | 0.1 |
| 7/12/2020 5:18 PM | 1.0 | 0.8 | -0.4 | 2.7 | 0.1 |
| 7/12/2020 5:24 PM | 1.0 | 0.8 | -0.4 | 2.8 | 0.1 |
| 7/12/2020 5:30 PM | 1.0 | 0.8 | -0.4 | 2.8 | 0.1 |
| 7/12/2020 5:36 PM | 1.0 | 0.8 | -0.3 | 2.8 | 0.1 |
| 7/12/2020 5:42 PM | 1.0 | 0.7 | -0.3 | 2.9 | 0.1 |
| 7/12/2020 5:48 PM | 1.0 | 0.7 | -0.3 | 3.0 | 0.1 |
| 7/12/2020 5:54 PM | 1.0 | 0.7 | -0.3 | 3.1 | 0.1 |
| 7/12/2020 6:00 PM | 1.0 | 0.7 | -0.3 | 3.2 | 0.1 |
| 7/12/2020 6:06 PM | 1.0 | 0.7 | -0.2 | 3.2 | 0.1 |
| 7/12/2020 6:12 PM | 1.0 | 0.6 | -0.2 | 2.8 | 0.1 |
| 7/12/2020 6:18 PM | 1.0 | 0.7 | -0.2 | 2.5 | 0.1 |
| 7/12/2020 6:24 PM | 1.0 | 0.6 | -0.2 | 2.4 | 0.1 |
| 7/12/2020 6:30 PM | 1.0 | 0.6 | -0.2 | 2.4 | 0.1 |
| 7/12/2020 6:36 PM | 1.0 | 0.6 | -0.3 | 2.5 | 0.1 |
| 7/12/2020 6:42 PM | 1.0 | 0.7 | -0.3 | 2.5 | 0.1 |
| 7/12/2020 6:48 PM | 1.0 | 0.7 | -0.3 | 2.5 | 0.1 |
| 7/12/2020 6:54 PM | 1.0 | 0.6 | -0.3 | 2.6 | 0.1 |
| 7/12/2020 7:00 PM | 1.0 | 0.6 | -0.3 | 2.6 | 0.1 |
| 7/12/2020 7:06 PM | 1.0 | 0.6 | -0.3 | 2.6 | 0.1 |
| 7/12/2020 7:12 PM | 1.0 | 0.7 | -0.3 | 2.6 | 0.1 |
| 7/12/2020 7:18 PM | 1.0 | 0.8 | -0.3 | 2.9 | 0.1 |
| 7/12/2020 7:24 PM | 1.0 | 0.8 | -0.3 | 3.3 | 0.1 |
| 7/12/2020 7:30 PM | 1.0 | 0.7 | -0.3 | 3.3 | 0.1 |
| 7/12/2020 7:36 PM | 1.0 | 0.7 | -0.3 | 3.1 | 0.1 |
| 7/12/2020 7:42 PM | 1.0 | 0.7 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 7:48 PM | 1.0 | 0.6 | -0.4 | 3.1 | 0.1 |



|                    |     |     |      |     |     |
|--------------------|-----|-----|------|-----|-----|
| 7/12/2020 7:54 PM  | 1.0 | 0.7 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 8:00 PM  | 1.0 | 0.6 | -0.4 | 2.9 | 0.1 |
| 7/12/2020 8:06 PM  | 1.0 | 0.7 | -0.4 | 2.9 | 0.1 |
| 7/12/2020 8:12 PM  | 1.0 | 0.7 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 8:18 PM  | 1.0 | 0.7 | -0.4 | 3.1 | 0.1 |
| 7/12/2020 8:24 PM  | 1.0 | 0.7 | -0.4 | 3.1 | 0.1 |
| 7/12/2020 8:30 PM  | 1.0 | 0.7 | -0.4 | 3.1 | 0.1 |
| 7/12/2020 8:36 PM  | 1.0 | 0.7 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 8:42 PM  | 1.0 | 0.6 | -0.3 | 2.9 | 0.1 |
| 7/12/2020 8:48 PM  | 1.0 | 0.7 | -0.3 | 2.9 | 0.1 |
| 7/12/2020 8:54 PM  | 1.0 | 0.7 | -0.3 | 2.9 | 0.1 |
| 7/12/2020 9:00 PM  | 1.0 | 0.7 | -0.3 | 2.9 | 0.1 |
| 7/12/2020 9:06 PM  | 1.0 | 0.7 | -0.3 | 2.9 | 0.1 |
| 7/12/2020 9:12 PM  | 1.0 | 0.7 | -0.3 | 2.9 | 0.1 |
| 7/12/2020 9:18 PM  | 1.0 | 0.7 | -0.3 | 2.8 | 0.1 |
| 7/12/2020 9:24 PM  | 1.0 | 0.7 | -0.3 | 2.9 | 0.1 |
| 7/12/2020 9:30 PM  | 1.0 | 0.7 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 9:36 PM  | 0.9 | 0.7 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 9:42 PM  | 0.9 | 0.7 | -0.4 | 3.1 | 0.1 |
| 7/12/2020 9:48 PM  | 0.9 | 0.7 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 9:54 PM  | 0.9 | 0.7 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 10:00 PM | 0.9 | 0.7 | -0.4 | 3.1 | 0.1 |
| 7/12/2020 10:06 PM | 0.9 | 0.7 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 10:12 PM | 0.9 | 0.7 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 10:18 PM | 0.9 | 0.7 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 10:24 PM | 0.9 | 0.9 | -0.4 | 3.0 | 0.1 |
| 7/12/2020 10:30 PM | 0.9 | 1.1 | -0.4 | 3.5 | 0.1 |
| 7/12/2020 10:36 PM | 0.9 | 0.9 | -0.4 | 3.9 | 0.1 |
| 7/12/2020 10:42 PM | 0.9 | 0.9 | -0.4 | 3.8 | 0.1 |
| 7/12/2020 10:48 PM | 0.9 | 0.8 | -0.4 | 3.7 | 0.1 |
| 7/12/2020 10:54 PM | 0.9 | 0.8 | -0.4 | 3.9 | 0.1 |
| 7/12/2020 11:00 PM | 0.9 | 0.8 | -0.4 | 3.9 | 0.1 |
| 7/12/2020 11:06 PM | 0.9 | 0.8 | -0.4 | 3.7 | 0.1 |
| 7/12/2020 11:12 PM | 0.9 | 0.8 | -0.4 | 3.7 | 0.1 |
| 7/12/2020 11:18 PM | 0.9 | 0.8 | -0.4 | 3.8 | 0.1 |
| 7/12/2020 11:24 PM | 0.9 | 0.8 | -0.4 | 4.1 | 0.1 |
| 7/12/2020 11:30 PM | 0.9 | 0.8 | -0.4 | 4.2 | 0.1 |
| 7/12/2020 11:36 PM | 0.9 | 0.7 | -0.4 | 4.3 | 0.1 |
| 7/12/2020 11:42 PM | 0.9 | 0.8 | -0.4 | 4.5 | 0.1 |
| 7/12/2020 11:48 PM | 0.9 | 0.8 | -0.4 | 4.6 | 0.1 |
| 7/12/2020 11:54 PM | 0.9 | 0.7 | -0.4 | 4.4 | 0.1 |
| 7/13/2020 12:00 AM | 0.9 | 0.7 | -0.4 | 4.3 | 0.1 |
| 7/13/2020 12:06 AM | 0.9 | 0.7 | -0.4 | 4.5 | 0.1 |
| 7/13/2020 12:12 AM | 0.9 | 0.7 | -0.4 | 4.6 | 0.1 |
| 7/13/2020 12:18 AM | 0.9 | 0.7 | -0.4 | 4.4 | 0.1 |
| 7/13/2020 12:24 AM | 0.9 | 0.9 | -0.4 | 3.8 | 0.1 |
| 7/13/2020 12:30 AM | 0.8 | 1.0 | -0.4 | 2.9 | 0.1 |
| 7/13/2020 12:36 AM | 0.8 | 1.0 | -0.5 | 2.9 | 0.1 |
| 7/13/2020 12:42 AM | 0.8 | 1.1 | -0.5 | 3.0 | 0.1 |
| 7/13/2020 12:48 AM | 0.8 | 1.1 | -0.5 | 3.0 | 0.1 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 7/13/2020 12:54 AM | 0.8 | 1.0 | -0.5 | 3.0  | 0.1 |
| 7/13/2020 1:00 AM  | 0.8 | 1.0 | -0.5 | 3.0  | 0.1 |
| 7/13/2020 1:06 AM  | 0.8 | 0.9 | -0.6 | 3.1  | 0.1 |
| 7/13/2020 1:12 AM  | 0.8 | 0.9 | -0.6 | 3.1  | 0.1 |
| 7/13/2020 1:18 AM  | 0.8 | 0.8 | -0.7 | 2.9  | 0.1 |
| 7/13/2020 1:24 AM  | 0.8 | 0.8 | -0.7 | 2.9  | 0.1 |
| 7/13/2020 1:30 AM  | 0.8 | 0.8 | -0.7 | 2.9  | 0.1 |
| 7/13/2020 1:36 AM  | 0.8 | 0.7 | -0.7 | 2.8  | 0.1 |
| 7/13/2020 1:42 AM  | 0.8 | 0.7 | -0.7 | 2.8  | 0.1 |
| 7/13/2020 1:48 AM  | 0.8 | 0.7 | -0.7 | 2.7  | 0.1 |
| 7/13/2020 1:54 AM  | 0.8 | 0.7 | -0.7 | 2.7  | 0.1 |
| 7/13/2020 2:00 AM  | 0.8 | 0.7 | -0.6 | 2.7  | 0.1 |
| 7/13/2020 2:06 AM  | 0.8 | 0.6 | -0.6 | 2.8  | 0.1 |
| 7/13/2020 2:12 AM  | 0.8 | 1.0 | -0.6 | 2.3  | 0.1 |
| 7/13/2020 2:18 AM  | 0.8 | 1.3 | -0.6 | 0.7  | 0.1 |
| 7/13/2020 2:24 AM  | 0.8 | 1.0 | -0.5 | -0.3 | 0.1 |
| 7/13/2020 2:30 AM  | 0.8 | 0.9 | -0.5 | -0.3 | 0.1 |
| 7/13/2020 2:36 AM  | 0.8 | 0.9 | -0.5 | -0.3 | 0.1 |
| 7/13/2020 2:42 AM  | 0.8 | 0.9 | -0.5 | -0.3 | 0.1 |
| 7/13/2020 2:48 AM  | 0.8 | 0.9 | -0.5 | -0.3 | 0.1 |
| 7/13/2020 2:54 AM  | 0.8 | 0.9 | -0.5 | -0.3 | 0.1 |
| 7/13/2020 3:00 AM  | 0.8 | 0.9 | -0.5 | -0.3 | 0.1 |
| 7/13/2020 3:06 AM  | 0.8 | 0.9 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 3:12 AM  | 0.8 | 0.9 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 3:18 AM  | 0.8 | 0.9 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 3:24 AM  | 0.8 | 0.9 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 3:30 AM  | 0.8 | 0.9 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 3:36 AM  | 0.8 | 0.9 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 3:42 AM  | 0.8 | 0.8 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 3:48 AM  | 0.8 | 0.9 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 3:54 AM  | 0.8 | 0.9 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 4:00 AM  | 0.8 | 0.9 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 4:06 AM  | 0.8 | 0.9 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 4:12 AM  | 0.8 | 0.9 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 4:18 AM  | 0.8 | 1.0 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 4:24 AM  | 0.8 | 1.1 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 4:30 AM  | 0.8 | 1.1 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 4:36 AM  | 0.8 | 1.1 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 4:42 AM  | 0.8 | 1.2 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 4:48 AM  | 0.8 | 1.1 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 4:54 AM  | 0.8 | 1.1 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 5:00 AM  | 0.8 | 1.1 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 5:06 AM  | 0.8 | 1.1 | -0.4 | -0.3 | 0.1 |
| 7/13/2020 5:12 AM  | 0.8 | 1.1 | -0.5 | -0.3 | 0.1 |
| 7/13/2020 5:18 AM  | 0.8 | 1.1 | -0.6 | -0.3 | 0.1 |
| 7/13/2020 5:24 AM  | 0.8 | 1.1 | -0.8 | -0.3 | 0.1 |
| 7/13/2020 5:30 AM  | 0.8 | 1.1 | -0.9 | -0.3 | 0.1 |
| 7/13/2020 5:36 AM  | 0.8 | 1.1 | -0.9 | -0.3 | 0.1 |
| 7/13/2020 5:42 AM  | 0.8 | 1.1 | -0.9 | -0.3 | 0.1 |
| 7/13/2020 5:48 AM  | 0.8 | 1.1 | -0.9 | -0.3 | 0.1 |

|                    |     |      |      |      |      |
|--------------------|-----|------|------|------|------|
| 7/13/2020 5:54 AM  | 0.8 | 1.0  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 6:00 AM  | 0.8 | 1.0  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 6:06 AM  | 0.8 | 1.0  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 6:12 AM  | 0.8 | 1.2  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 6:18 AM  | 0.8 | 2.1  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 6:24 AM  | 0.8 | 2.4  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 6:30 AM  | 0.8 | 2.3  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 6:36 AM  | 0.8 | 2.2  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 6:42 AM  | 0.8 | 2.2  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 6:48 AM  | 0.8 | 2.2  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 6:54 AM  | 0.8 | 2.2  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 7:00 AM  | 0.9 | 2.2  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 7:06 AM  | 0.9 | 2.1  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 7:12 AM  | 0.9 | 2.1  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 7:18 AM  | 0.9 | 2.1  | -0.9 | -0.3 | 0.1  |
| 7/13/2020 7:24 AM  | 0.9 | 2.1  | -0.8 | -0.3 | 0.1  |
| 7/13/2020 7:30 AM  | 0.9 | 2.0  | -0.8 | -0.3 | 0.1  |
| 7/13/2020 7:36 AM  | 0.9 | 2.0  | -0.7 | -0.3 | 0.1  |
| 7/13/2020 7:42 AM  | 0.9 | 2.0  | -0.7 | -0.3 | 5.9  |
| 7/13/2020 7:48 AM  | 0.9 | 1.3  | -0.8 | -0.3 | 12.0 |
| 7/13/2020 7:54 AM  | 0.9 | 0.5  | -0.8 | -0.3 | 8.4  |
| 7/13/2020 8:00 AM  | 0.9 | 0.5  | -0.8 | -0.3 | 11.2 |
| 7/13/2020 8:06 AM  | 0.9 | 0.5  | -0.8 | -0.3 | 12.4 |
| 7/13/2020 8:12 AM  | 0.9 | 0.2  | -0.8 | -0.3 | 9.3  |
| 7/13/2020 8:18 AM  | 0.9 | -0.2 | -0.8 | -0.3 | 7.6  |
| 7/13/2020 8:24 AM  | 0.9 | -0.3 | -0.7 | -0.3 | 7.1  |
| 7/13/2020 8:30 AM  | 0.9 | 1.8  | -0.7 | -0.3 | 6.9  |
| 7/13/2020 8:36 AM  | 0.9 | 3.9  | -0.6 | -0.3 | 4.4  |
| 7/13/2020 8:42 AM  | 0.9 | 2.5  | -0.6 | -0.3 | 1.9  |
| 7/13/2020 8:48 AM  | 1.0 | 1.4  | -0.5 | -0.3 | 2.1  |
| 7/13/2020 8:54 AM  | 1.0 | 1.1  | -0.4 | -0.3 | 2.1  |
| 7/13/2020 9:00 AM  | 1.0 | 0.9  | -0.2 | -0.3 | 2.8  |
| 7/13/2020 9:06 AM  | 1.0 | 1.2  | 0.0  | -0.3 | 3.5  |
| 7/13/2020 9:12 AM  | 1.0 | 1.5  | 0.1  | -0.3 | 3.2  |
| 7/13/2020 9:18 AM  | 1.0 | 1.3  | 0.1  | -0.3 | 3.0  |
| 7/13/2020 9:24 AM  | 1.0 | 1.2  | 0.1  | -0.3 | 2.9  |
| 7/13/2020 9:30 AM  | 1.0 | 1.2  | 0.1  | -0.3 | 2.9  |
| 7/13/2020 9:36 AM  | 1.0 | 1.3  | 0.1  | -0.3 | 2.9  |
| 7/13/2020 9:42 AM  | 1.0 | 1.3  | 0.1  | -0.3 | 2.9  |
| 7/13/2020 9:48 AM  | 1.0 | 1.2  | 0.1  | -0.3 | 2.9  |
| 7/13/2020 9:54 AM  | 1.0 | 1.2  | 0.1  | -0.3 | 2.8  |
| 7/13/2020 10:00 AM | 1.0 | 1.2  | 0.1  | -0.3 | 2.9  |
| 7/13/2020 10:06 AM | 1.0 | 1.2  | 0.1  | -0.3 | 2.9  |
| 7/13/2020 10:12 AM | 1.0 | 1.2  | 0.1  | -0.3 | 2.9  |
| 7/13/2020 10:18 AM | 1.0 | 1.1  | 0.1  | -0.3 | 2.9  |
| 7/13/2020 10:24 AM | 1.0 | 1.1  | 0.1  | -0.3 | 2.8  |
| 7/13/2020 10:30 AM | 1.0 | 1.2  | 0.1  | -0.3 | 2.8  |
| 7/13/2020 10:36 AM | 1.0 | 1.2  | 0.1  | -0.2 | 2.8  |
| 7/13/2020 10:42 AM | 1.0 | 1.2  | 0.1  | -0.2 | 2.8  |
| 7/13/2020 10:48 AM | 1.0 | 1.2  | 0.1  | -0.3 | 2.7  |

|                    |     |     |      |      |      |
|--------------------|-----|-----|------|------|------|
| 7/13/2020 10:54 AM | 1.0 | 1.2 | 0.2  | -0.2 | 2.7  |
| 7/13/2020 11:00 AM | 1.0 | 1.3 | 0.2  | -0.2 | 2.7  |
| 7/13/2020 11:06 AM | 1.0 | 1.2 | 0.2  | -0.2 | 2.7  |
| 7/13/2020 11:12 AM | 1.0 | 1.2 | 0.1  | -0.2 | 2.7  |
| 7/13/2020 11:18 AM | 1.0 | 1.2 | 0.1  | -0.2 | 2.7  |
| 7/13/2020 11:24 AM | 1.0 | 1.4 | 0.1  | -0.2 | 2.7  |
| 7/13/2020 11:30 AM | 1.0 | 2.6 | 0.1  | -0.2 | 1.7  |
| 7/13/2020 11:36 AM | 1.0 | 3.0 | 0.1  | -0.2 | 0.3  |
| 7/13/2020 11:42 AM | 1.0 | 2.8 | 0.1  | -0.2 | 0.1  |
| 7/13/2020 11:48 AM | 1.0 | 2.7 | 0.1  | -0.2 | 0.1  |
| 7/13/2020 11:54 AM | 1.0 | 2.7 | 0.1  | -0.2 | 0.1  |
| 7/13/2020 12:00 PM | 0.9 | 2.7 | 0.1  | -0.2 | 0.2  |
| 7/13/2020 12:06 PM | 0.4 | 1.4 | 0.2  | -0.2 | 0.3  |
| 7/13/2020 12:12 PM | 0.4 | 0.9 | 0.2  | -0.2 | 0.3  |
| 7/13/2020 12:18 PM | 0.4 | 1.0 | 0.2  | -0.2 | 0.3  |
| 7/13/2020 12:24 PM | 0.4 | 0.8 | 0.1  | -0.2 | 0.2  |
| 7/13/2020 12:30 PM | 0.4 | 0.5 | 0.0  | -0.2 | 0.2  |
| 7/13/2020 12:36 PM | 0.4 | 0.6 | -0.1 | -0.2 | 0.2  |
| 7/13/2020 12:42 PM | 0.4 | 0.7 | -0.1 | -0.2 | 0.2  |
| 7/13/2020 12:48 PM | 0.4 | 0.8 | -0.1 | -0.2 | 0.2  |
| 7/13/2020 12:54 PM | 0.4 | 0.9 | -0.1 | -0.2 | 0.2  |
| 7/13/2020 1:00 PM  | 0.4 | 1.0 | 0.0  | -0.2 | 0.2  |
| 7/13/2020 1:06 PM  | 0.4 | 1.1 | 0.0  | -0.2 | 0.2  |
| 7/13/2020 1:12 PM  | 0.4 | 1.2 | 0.1  | -0.2 | 0.2  |
| 7/13/2020 1:18 PM  | 0.4 | 1.1 | 0.1  | -0.2 | 0.2  |
| 7/13/2020 1:24 PM  | 0.4 | 1.2 | 0.1  | -0.2 | 0.2  |
| 7/13/2020 1:30 PM  | 0.3 | 1.1 | 0.1  | -0.2 | 0.2  |
| 7/13/2020 1:36 PM  | 0.4 | 1.1 | 0.1  | -0.2 | 0.2  |
| 7/13/2020 1:42 PM  | 0.4 | 1.1 | 0.1  | -0.2 | 0.2  |
| 7/13/2020 1:48 PM  | 0.4 | 1.1 | 0.0  | -0.2 | 0.2  |
| 7/13/2020 1:54 PM  | 0.4 | 1.1 | 0.0  | -0.2 | 0.2  |
| 7/13/2020 2:00 PM  | 0.4 | 1.1 | 0.0  | -0.2 | 0.2  |
| 7/13/2020 2:06 PM  | 0.4 | 1.1 | 0.1  | -0.2 | 0.2  |
| 7/13/2020 2:12 PM  | 0.4 | 1.1 | 0.1  | -0.2 | 6.0  |
| 7/13/2020 2:18 PM  | 0.4 | 1.1 | 0.1  | -0.2 | 13.3 |
| 7/13/2020 2:24 PM  | 0.4 | 1.0 | 0.0  | -0.2 | 9.5  |
| 7/13/2020 2:30 PM  | 0.4 | 2.2 | -0.1 | -0.2 | 6.1  |
| 7/13/2020 2:36 PM  | 0.4 | 3.7 | -0.2 | 6.6  | 2.5  |
| 7/13/2020 2:42 PM  | 0.4 | 3.4 | -0.2 | 20.0 | 0.2  |
| 7/13/2020 2:48 PM  | 0.4 | 3.1 | -0.2 | 26.4 | 0.2  |
| 7/13/2020 2:54 PM  | 0.4 | 2.8 | -0.3 | 26.1 | 0.2  |
| 7/13/2020 3:00 PM  | 0.4 | 2.6 | -0.2 | 25.6 | 0.2  |
| 7/13/2020 3:06 PM  | 0.4 | 2.5 | -0.2 | 23.9 | 0.2  |
| 7/13/2020 3:12 PM  | 0.4 | 2.5 | -0.2 | 24.4 | 0.2  |
| 7/13/2020 3:18 PM  | 0.4 | 2.4 | -0.2 | 24.8 | 0.2  |
| 7/13/2020 3:24 PM  | 0.4 | 2.4 | -0.2 | 21.4 | 0.2  |
| 7/13/2020 3:30 PM  | 0.4 | 2.5 | -0.2 | 19.9 | 0.2  |
| 7/13/2020 3:36 PM  | 0.3 | 2.4 | -0.2 | 20.5 | 0.2  |
| 7/13/2020 3:42 PM  | 0.3 | 2.3 | -0.2 | 21.1 | 0.2  |
| 7/13/2020 3:48 PM  | 0.3 | 2.3 | -0.2 | 21.1 | 0.2  |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 7/13/2020 3:54 PM | 0.3 | 2.3 | -0.1 | 21.0 | 0.2 |
| 7/13/2020 4:00 PM | 0.3 | 2.2 | -0.1 | 21.1 | 0.2 |
| 7/13/2020 4:06 PM | 0.3 | 2.2 | -0.1 | 20.5 | 0.2 |
| 7/13/2020 4:12 PM | 0.3 | 1.5 | -0.1 | 14.2 | 0.2 |
| 7/13/2020 4:18 PM | 0.3 | 0.9 | -0.1 | 6.0  | 0.2 |
| 7/13/2020 4:24 PM | 0.3 | 0.9 | -0.1 | 4.6  | 0.2 |
| 7/13/2020 4:30 PM | 0.3 | 0.9 | -0.1 | 5.1  | 0.2 |
| 7/13/2020 4:36 PM | 0.3 | 0.8 | -0.1 | 5.3  | 0.2 |
| 7/13/2020 4:42 PM | 0.3 | 0.8 | -0.2 | 5.7  | 0.2 |
| 7/13/2020 4:48 PM | 0.3 | 0.8 | -0.2 | 6.0  | 0.2 |
| 7/13/2020 4:54 PM | 0.3 | 0.6 | -0.2 | 5.0  | 0.2 |
| 7/13/2020 5:00 PM | 0.3 | 0.4 | -0.2 | 3.9  | 0.2 |
| 7/13/2020 5:06 PM | 0.3 | 0.5 | -0.2 | 3.7  | 0.1 |
| 7/13/2020 5:12 PM | 0.3 | 0.7 | -0.2 | 3.4  | 0.1 |
| 7/13/2020 5:18 PM | 0.3 | 0.7 | -0.2 | 3.5  | 0.1 |
| 7/13/2020 5:24 PM | 0.3 | 0.8 | -0.2 | 3.5  | 0.1 |
| 7/13/2020 5:30 PM | 0.3 | 0.8 | -0.2 | 3.6  | 0.2 |
| 7/13/2020 5:36 PM | 0.3 | 0.7 | -0.2 | 3.6  | 0.2 |
| 7/13/2020 5:42 PM | 0.3 | 0.7 | -0.2 | 3.7  | 0.2 |
| 7/13/2020 5:48 PM | 0.3 | 0.7 | -0.2 | 3.6  | 0.1 |
| 7/13/2020 5:54 PM | 0.3 | 0.7 | -0.2 | 3.4  | 0.1 |
| 7/13/2020 6:00 PM | 0.3 | 0.6 | -0.2 | 3.4  | 0.2 |
| 7/13/2020 6:06 PM | 0.3 | 0.7 | -0.1 | 3.4  | 0.2 |
| 7/13/2020 6:12 PM | 0.3 | 0.6 | -0.1 | 3.5  | 0.2 |
| 7/13/2020 6:18 PM | 0.3 | 0.6 | -0.1 | 3.5  | 0.2 |
| 7/13/2020 6:24 PM | 0.3 | 0.6 | 0.0  | 3.6  | 0.2 |
| 7/13/2020 6:30 PM | 0.3 | 0.6 | 0.0  | 3.6  | 0.2 |
| 7/13/2020 6:36 PM | 0.3 | 0.6 | 0.0  | 3.7  | 0.2 |
| 7/13/2020 6:42 PM | 0.3 | 0.6 | 0.0  | 3.8  | 0.2 |
| 7/13/2020 6:48 PM | 0.3 | 0.6 | -0.1 | 3.8  | 0.2 |
| 7/13/2020 6:54 PM | 0.3 | 0.6 | -0.1 | 3.8  | 0.1 |
| 7/13/2020 7:00 PM | 0.3 | 0.6 | -0.1 | 3.7  | 0.2 |
| 7/13/2020 7:06 PM | 0.3 | 0.5 | -0.2 | 3.7  | 0.2 |
| 7/13/2020 7:12 PM | 0.3 | 0.6 | -0.2 | 3.5  | 0.2 |
| 7/13/2020 7:18 PM | 0.3 | 0.6 | -0.2 | 3.5  | 0.1 |
| 7/13/2020 7:24 PM | 0.3 | 0.6 | -0.2 | 3.7  | 0.2 |
| 7/13/2020 7:30 PM | 0.3 | 0.6 | -0.2 | 3.9  | 0.2 |
| 7/13/2020 7:36 PM | 0.3 | 0.5 | -0.3 | 4.0  | 0.2 |
| 7/13/2020 7:42 PM | 0.3 | 0.5 | -0.3 | 4.0  | 0.2 |
| 7/13/2020 7:48 PM | 0.3 | 0.5 | -0.3 | 4.1  | 0.2 |
| 7/13/2020 7:54 PM | 0.3 | 0.6 | -0.3 | 4.1  | 0.2 |
| 7/13/2020 8:00 PM | 0.3 | 0.5 | -0.3 | 4.0  | 0.1 |
| 7/13/2020 8:06 PM | 0.3 | 0.5 | -0.3 | 3.9  | 0.1 |
| 7/13/2020 8:12 PM | 0.3 | 0.6 | -0.3 | 3.6  | 0.2 |
| 7/13/2020 8:18 PM | 0.3 | 0.6 | -0.3 | 3.5  | 0.2 |
| 7/13/2020 8:24 PM | 0.3 | 0.6 | -0.3 | 3.7  | 0.1 |
| 7/13/2020 8:30 PM | 0.3 | 0.6 | -0.3 | 3.6  | 0.2 |
| 7/13/2020 8:36 PM | 0.3 | 0.6 | -0.3 | 3.5  | 0.2 |
| 7/13/2020 8:42 PM | 0.3 | 0.6 | -0.3 | 3.5  | 0.2 |
| 7/13/2020 8:48 PM | 0.2 | 0.5 | -0.3 | 3.5  | 0.2 |

|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 7/13/2020 8:54 PM  | 0.2 | 0.5  | -0.3 | 3.6  | 0.2 |
| 7/13/2020 9:00 PM  | 0.2 | 0.5  | -0.3 | 6.7  | 0.2 |
| 7/13/2020 9:06 PM  | 0.2 | 0.3  | -0.3 | 11.8 | 0.1 |
| 7/13/2020 9:12 PM  | 0.2 | -0.3 | -0.3 | 12.7 | 0.1 |
| 7/13/2020 9:18 PM  | 0.2 | -0.6 | -0.3 | 12.1 | 0.1 |
| 7/13/2020 9:24 PM  | 0.2 | -0.6 | -0.3 | 12.1 | 0.2 |
| 7/13/2020 9:30 PM  | 0.2 | -0.6 | -0.3 | 12.6 | 0.2 |
| 7/13/2020 9:36 PM  | 0.2 | -0.6 | -0.3 | 12.7 | 0.1 |
| 7/13/2020 9:42 PM  | 0.2 | -0.6 | -0.3 | 13.1 | 0.1 |
| 7/13/2020 9:48 PM  | 0.2 | -0.6 | -0.3 | 12.9 | 0.1 |
| 7/13/2020 9:54 PM  | 0.2 | -0.6 | -0.3 | 13.2 | 0.1 |
| 7/13/2020 10:00 PM | 0.2 | -0.6 | -0.3 | 13.9 | 0.1 |
| 7/13/2020 10:06 PM | 0.2 | -0.5 | -0.3 | 14.4 | 0.1 |
| 7/13/2020 10:12 PM | 0.2 | -0.5 | -0.3 | 14.7 | 0.1 |
| 7/13/2020 10:18 PM | 0.2 | -0.5 | -0.3 | 14.6 | 0.1 |
| 7/13/2020 10:24 PM | 0.2 | -0.5 | -0.3 | 14.8 | 0.1 |
| 7/13/2020 10:30 PM | 0.2 | -0.5 | -0.3 | 13.8 | 0.1 |
| 7/13/2020 10:36 PM | 0.2 | -0.5 | -0.3 | 12.5 | 0.1 |
| 7/13/2020 10:42 PM | 0.2 | -0.6 | -0.3 | 12.6 | 0.1 |
| 7/13/2020 10:48 PM | 0.2 | -0.6 | -0.3 | 13.1 | 0.2 |
| 7/13/2020 10:54 PM | 0.2 | -0.5 | -0.3 | 13.1 | 0.2 |
| 7/13/2020 11:00 PM | 0.2 | -0.5 | -0.3 | 13.0 | 0.2 |
| 7/13/2020 11:06 PM | 0.2 | -0.5 | -0.3 | 12.8 | 0.1 |
| 7/13/2020 11:12 PM | 0.2 | -0.5 | -0.3 | 12.2 | 0.1 |
| 7/13/2020 11:18 PM | 0.2 | -0.5 | -0.3 | 12.1 | 0.1 |
| 7/13/2020 11:24 PM | 0.2 | -0.5 | -0.3 | 12.1 | 0.1 |
| 7/13/2020 11:30 PM | 0.2 | -0.5 | -0.3 | 11.8 | 0.1 |
| 7/13/2020 11:36 PM | 0.2 | -0.5 | -0.3 | 11.6 | 0.2 |
| 7/13/2020 11:42 PM | 0.2 | -0.5 | -0.3 | 11.8 | 0.2 |
| 7/13/2020 11:48 PM | 0.2 | -0.5 | -0.3 | 12.2 | 0.1 |
| 7/13/2020 11:54 PM | 0.2 | -0.5 | -0.3 | 12.4 | 0.1 |
| 7/14/2020 12:00 AM | 0.2 | -0.5 | -0.3 | 12.5 | 0.2 |
| 7/14/2020 12:06 AM | 0.2 | -0.5 | -0.3 | 12.4 | 0.2 |
| 7/14/2020 12:12 AM | 0.2 | -0.5 | -0.3 | 12.2 | 0.1 |
| 7/14/2020 12:18 AM | 0.2 | -0.5 | -0.3 | 12.2 | 0.1 |
| 7/14/2020 12:24 AM | 0.2 | -0.4 | -0.3 | 12.7 | 0.1 |
| 7/14/2020 12:30 AM | 0.2 | -0.5 | -0.3 | 13.1 | 0.1 |
| 7/14/2020 12:36 AM | 0.2 | -0.5 | -0.3 | 13.4 | 0.2 |
| 7/14/2020 12:42 AM | 0.2 | -0.5 | -0.3 | 13.8 | 0.2 |
| 7/14/2020 12:48 AM | 0.1 | -0.5 | -0.3 | 14.0 | 0.2 |
| 7/14/2020 12:54 AM | 0.1 | -0.5 | -0.3 | 14.3 | 0.1 |
| 7/14/2020 1:00 AM  | 0.1 | -0.4 | -0.3 | 13.9 | 0.1 |
| 7/14/2020 1:06 AM  | 0.1 | -0.5 | -0.3 | 13.2 | 0.1 |
| 7/14/2020 1:12 AM  | 0.1 | -0.5 | -0.3 | 13.4 | 0.2 |
| 7/14/2020 1:18 AM  | 0.1 | -0.5 | -0.4 | 13.4 | 0.2 |
| 7/14/2020 1:24 AM  | 0.1 | -0.5 | -0.4 | 13.8 | 0.2 |
| 7/14/2020 1:30 AM  | 0.1 | -0.5 | -0.4 | 14.3 | 0.2 |
| 7/14/2020 1:36 AM  | 0.1 | -0.5 | -0.4 | 14.6 | 0.2 |
| 7/14/2020 1:42 AM  | 0.1 | -0.5 | -0.3 | 14.4 | 0.1 |
| 7/14/2020 1:48 AM  | 0.1 | -0.5 | -0.3 | 14.1 | 0.1 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 7/14/2020 1:54 AM | 0.1 | -0.4 | -0.3 | 14.2 | 0.1 |
| 7/14/2020 2:00 AM | 0.1 | -0.4 | -0.3 | 14.5 | 0.2 |
| 7/14/2020 2:06 AM | 0.1 | -0.4 | -0.3 | 14.6 | 0.2 |
| 7/14/2020 2:12 AM | 0.1 | -0.5 | -0.3 | 15.0 | 0.2 |
| 7/14/2020 2:18 AM | 0.1 | -0.5 | -0.3 | 15.3 | 0.2 |
| 7/14/2020 2:24 AM | 0.1 | -0.5 | -0.3 | 14.9 | 0.2 |
| 7/14/2020 2:30 AM | 0.1 | -0.5 | -0.3 | 14.5 | 0.2 |
| 7/14/2020 2:36 AM | 0.1 | -0.4 | -0.3 | 14.4 | 0.2 |
| 7/14/2020 2:42 AM | 0.1 | -0.4 | -0.3 | 13.9 | 0.2 |
| 7/14/2020 2:48 AM | 0.1 | -0.4 | -0.3 | 13.7 | 0.2 |
| 7/14/2020 2:54 AM | 0.1 | -0.4 | -0.3 | 14.0 | 0.1 |
| 7/14/2020 3:00 AM | 0.1 | -0.4 | -0.3 | 13.9 | 0.1 |
| 7/14/2020 3:06 AM | 0.1 | -0.4 | -0.3 | 13.5 | 0.1 |
| 7/14/2020 3:12 AM | 0.1 | -0.4 | -0.3 | 13.5 | 0.2 |
| 7/14/2020 3:18 AM | 0.1 | -0.4 | -0.3 | 13.7 | 0.1 |
| 7/14/2020 3:24 AM | 0.1 | -0.4 | -0.3 | 13.2 | 0.2 |
| 7/14/2020 3:30 AM | 0.1 | -0.4 | -0.3 | 13.0 | 0.2 |
| 7/14/2020 3:36 AM | 0.1 | -0.4 | -0.3 | 13.2 | 0.1 |
| 7/14/2020 3:42 AM | 0.1 | -0.4 | -0.3 | 13.1 | 0.2 |
| 7/14/2020 3:48 AM | 0.1 | -0.4 | -0.3 | 13.3 | 0.2 |
| 7/14/2020 3:54 AM | 0.1 | -0.4 | -0.3 | 13.3 | 0.1 |
| 7/14/2020 4:00 AM | 0.1 | -0.4 | -0.3 | 10.8 | 0.2 |
| 7/14/2020 4:06 AM | 0.1 | -0.4 | -0.3 | 6.3  | 0.2 |
| 7/14/2020 4:12 AM | 0.1 | -0.5 | -0.3 | 5.3  | 0.2 |
| 7/14/2020 4:18 AM | 0.1 | -0.4 | -0.3 | 5.6  | 0.2 |
| 7/14/2020 4:24 AM | 0.1 | -0.4 | -0.3 | 5.7  | 0.2 |
| 7/14/2020 4:30 AM | 0.1 | -0.4 | -0.3 | 5.7  | 0.2 |
| 7/14/2020 4:36 AM | 0.1 | -0.4 | -0.3 | 5.9  | 0.1 |
| 7/14/2020 4:42 AM | 0.1 | -0.4 | -0.3 | 5.8  | 0.2 |
| 7/14/2020 4:48 AM | 0.1 | -0.4 | -0.4 | 5.8  | 0.2 |
| 7/14/2020 4:54 AM | 0.1 | -0.4 | -0.4 | 5.7  | 0.2 |
| 7/14/2020 5:00 AM | 0.1 | -0.5 | -0.4 | 5.5  | 0.1 |
| 7/14/2020 5:06 AM | 0.1 | -0.4 | -0.5 | 5.4  | 0.2 |
| 7/14/2020 5:12 AM | 0.1 | -0.4 | -0.6 | 5.5  | 0.2 |
| 7/14/2020 5:18 AM | 0.1 | -0.4 | -0.7 | 5.8  | 0.2 |
| 7/14/2020 5:24 AM | 0.1 | -0.4 | -0.8 | 6.0  | 0.2 |
| 7/14/2020 5:30 AM | 0.1 | -0.4 | -0.9 | 5.8  | 0.2 |
| 7/14/2020 5:36 AM | 0.1 | -0.4 | -0.9 | 5.9  | 0.2 |
| 7/14/2020 5:42 AM | 0.1 | -0.4 | -0.9 | 5.9  | 0.2 |
| 7/14/2020 5:48 AM | 0.1 | -0.4 | -0.9 | 5.6  | 0.2 |
| 7/14/2020 5:54 AM | 0.1 | -0.4 | -0.9 | 5.5  | 0.2 |
| 7/14/2020 6:00 AM | 0.1 | -0.4 | -0.9 | 5.5  | 0.2 |
| 7/14/2020 6:06 AM | 0.1 | -0.4 | -0.9 | 5.5  | 0.2 |
| 7/14/2020 6:12 AM | 0.1 | -0.4 | -0.9 | 5.6  | 0.2 |
| 7/14/2020 6:18 AM | 0.1 | -0.4 | -0.9 | 5.8  | 0.2 |
| 7/14/2020 6:24 AM | 0.1 | -0.5 | -0.9 | 5.9  | 0.2 |
| 7/14/2020 6:30 AM | 0.1 | -0.5 | -0.9 | 5.8  | 0.2 |
| 7/14/2020 6:36 AM | 0.1 | -0.4 | -0.9 | 5.9  | 0.2 |
| 7/14/2020 6:42 AM | 0.1 | -0.5 | -0.9 | 6.0  | 0.2 |
| 7/14/2020 6:48 AM | 0.1 | -0.5 | -0.9 | 7.6  | 0.2 |

|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 7/14/2020 6:54 AM  | 0.1 | -0.5 | -0.9 | 11.6 | 0.1 |
| 7/14/2020 7:00 AM  | 0.1 | -0.5 | -0.8 | 12.9 | 0.1 |
| 7/14/2020 7:06 AM  | 0.1 | -0.5 | -0.8 | 12.6 | 0.2 |
| 7/14/2020 7:12 AM  | 0.1 | -0.5 | -0.8 | 13.2 | 0.2 |
| 7/14/2020 7:18 AM  | 0.1 | -0.5 | -0.8 | 13.5 | 0.2 |
| 7/14/2020 7:24 AM  | 0.1 | -0.4 | -0.8 | 13.9 | 0.2 |
| 7/14/2020 7:30 AM  | 0.1 | -0.5 | -0.8 | 13.7 | 0.2 |
| 7/14/2020 7:36 AM  | 0.1 | -0.4 | -0.8 | 13.4 | 0.2 |
| 7/14/2020 7:42 AM  | 0.1 | -0.4 | -0.8 | 13.6 | 0.2 |
| 7/14/2020 7:48 AM  | 0.2 | 6.9  | -0.7 | 13.6 | 0.2 |
| 7/14/2020 7:54 AM  | 0.2 | 16.7 | -0.7 | 7.2  | 0.2 |
| 7/14/2020 8:00 AM  | 0.2 | 12.2 | -0.7 | -0.2 | 0.2 |
| 7/14/2020 8:06 AM  | 0.2 | 7.1  | -0.6 | -0.4 | 0.2 |
| 7/14/2020 8:12 AM  | 0.2 | 5.5  | -0.6 | -0.4 | 0.2 |
| 7/14/2020 8:18 AM  | 0.2 | 4.3  | -0.5 | -0.4 | 0.2 |
| 7/14/2020 8:24 AM  | 0.2 | 3.7  | -0.5 | -0.4 | 0.2 |
| 7/14/2020 8:30 AM  | 0.2 | 3.4  | -0.4 | -0.4 | 0.2 |
| 7/14/2020 8:36 AM  | 0.2 | 3.3  | -0.3 | -0.4 | 0.2 |
| 7/14/2020 8:42 AM  | 0.2 | 3.4  | -0.2 | -0.4 | 0.2 |
| 7/14/2020 8:48 AM  | 0.2 | 3.6  | -0.1 | -0.4 | 0.2 |
| 7/14/2020 8:54 AM  | 0.2 | 3.8  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 9:00 AM  | 0.2 | 3.8  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 9:06 AM  | 0.2 | 3.7  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 9:12 AM  | 0.2 | 3.4  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 9:18 AM  | 0.3 | 3.1  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 9:24 AM  | 0.3 | 2.9  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 9:30 AM  | 0.3 | 2.8  | 0.2  | -0.4 | 0.2 |
| 7/14/2020 9:36 AM  | 0.3 | 2.8  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 9:42 AM  | 0.3 | 2.7  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 9:48 AM  | 0.3 | 2.6  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 9:54 AM  | 0.3 | 2.6  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 10:00 AM | 0.3 | 2.5  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 10:06 AM | 0.3 | 2.5  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 10:12 AM | 0.3 | 2.5  | 0.1  | -0.3 | 0.2 |
| 7/14/2020 10:18 AM | 0.3 | 2.5  | 0.0  | -0.3 | 0.2 |
| 7/14/2020 10:24 AM | 0.3 | 2.4  | 0.0  | -0.3 | 0.2 |
| 7/14/2020 10:30 AM | 3.9 | 2.4  | 0.0  | -0.3 | 0.2 |
| 7/14/2020 10:36 AM | 6.1 | 1.5  | 0.0  | -0.3 | 0.2 |
| 7/14/2020 10:42 AM | 4.0 | 1.0  | 0.0  | -0.3 | 0.2 |
| 7/14/2020 10:48 AM | 3.3 | 1.0  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 10:54 AM | 3.1 | 1.0  | 0.1  | -0.4 | 0.2 |
| 7/14/2020 11:00 AM | 3.1 | 0.9  | 0.2  | -0.4 | 0.2 |
| 7/14/2020 11:06 AM | 2.6 | 0.9  | 0.2  | -0.4 | 0.2 |
| 7/14/2020 11:12 AM | 1.9 | 0.9  | 0.1  | -0.3 | 0.2 |
| 7/14/2020 11:18 AM | 1.7 | 0.9  | 0.1  | -0.3 | 0.2 |
| 7/14/2020 11:24 AM | 1.6 | 0.9  | 0.0  | -0.3 | 0.2 |
| 7/14/2020 11:30 AM | 1.6 | 0.9  | 0.0  | -0.3 | 0.2 |
| 7/14/2020 11:36 AM | 1.5 | 0.8  | 0.0  | -0.3 | 0.2 |
| 7/14/2020 11:42 AM | 1.5 | 0.8  | 0.0  | -0.3 | 0.2 |
| 7/14/2020 11:48 AM | 1.4 | 0.8  | 0.0  | -0.3 | 0.2 |



|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 7/14/2020 11:54 AM | 1.4 | 0.8 | 0.0  | -0.3 | 0.2 |
| 7/14/2020 12:00 PM | 1.4 | 0.7 | 0.0  | -0.4 | 0.2 |
| 7/14/2020 12:06 PM | 1.3 | 0.7 | 0.1  | -0.4 | 0.2 |
| 7/14/2020 12:12 PM | 1.3 | 0.7 | 0.1  | -0.4 | 0.2 |
| 7/14/2020 12:18 PM | 1.4 | 0.8 | 0.1  | -0.4 | 0.2 |
| 7/14/2020 12:24 PM | 1.6 | 0.8 | 0.1  | -0.3 | 0.2 |
| 7/14/2020 12:30 PM | 1.8 | 0.8 | 0.0  | -0.3 | 0.2 |
| 7/14/2020 12:36 PM | 1.9 | 0.8 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 12:42 PM | 2.0 | 0.8 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 12:48 PM | 2.0 | 0.8 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 12:54 PM | 2.0 | 0.8 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 1:00 PM  | 1.9 | 0.8 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 1:06 PM  | 1.8 | 0.8 | 0.0  | -0.4 | 0.2 |
| 7/14/2020 1:12 PM  | 1.7 | 0.8 | 0.0  | -0.4 | 0.2 |
| 7/14/2020 1:18 PM  | 1.5 | 0.8 | 0.0  | -0.4 | 0.2 |
| 7/14/2020 1:24 PM  | 1.4 | 0.8 | 0.0  | -0.4 | 0.2 |
| 7/14/2020 1:30 PM  | 1.3 | 0.8 | 0.0  | -0.4 | 0.2 |
| 7/14/2020 1:36 PM  | 1.2 | 0.8 | 0.0  | -0.4 | 0.2 |
| 7/14/2020 1:42 PM  | 1.2 | 0.7 | 0.0  | -0.4 | 0.2 |
| 7/14/2020 1:48 PM  | 1.1 | 0.7 | 0.1  | -0.4 | 0.2 |
| 7/14/2020 1:54 PM  | 1.1 | 0.8 | 0.1  | -0.4 | 0.2 |
| 7/14/2020 2:00 PM  | 1.1 | 0.8 | 0.1  | -0.4 | 0.2 |
| 7/14/2020 2:06 PM  | 1.1 | 0.7 | 0.1  | -0.4 | 0.2 |
| 7/14/2020 2:12 PM  | 1.1 | 0.7 | 0.1  | -0.4 | 0.2 |
| 7/14/2020 2:18 PM  | 1.2 | 0.7 | 0.1  | -0.4 | 0.2 |
| 7/14/2020 2:24 PM  | 1.2 | 0.8 | 0.1  | -0.4 | 0.2 |
| 7/14/2020 2:30 PM  | 1.1 | 0.8 | 0.0  | -0.4 | 0.2 |
| 7/14/2020 2:36 PM  | 1.1 | 0.8 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 2:42 PM  | 1.2 | 0.8 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 2:48 PM  | 1.2 | 0.8 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 2:54 PM  | 1.2 | 0.8 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 3:00 PM  | 1.2 | 0.8 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 3:06 PM  | 1.2 | 0.7 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 3:12 PM  | 1.2 | 0.7 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 3:18 PM  | 1.2 | 0.7 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 3:24 PM  | 1.2 | 0.7 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 3:30 PM  | 1.2 | 0.7 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 3:36 PM  | 1.1 | 0.7 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 3:42 PM  | 1.1 | 0.7 | -0.1 | -0.3 | 0.2 |
| 7/14/2020 3:48 PM  | 1.1 | 0.7 | -0.1 | -0.3 | 0.2 |
| 7/14/2020 3:54 PM  | 1.1 | 0.7 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 4:00 PM  | 1.1 | 0.6 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 4:06 PM  | 1.1 | 0.5 | -0.1 | -0.4 | 0.2 |
| 7/14/2020 4:12 PM  | 1.1 | 0.6 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 4:18 PM  | 1.1 | 0.7 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 4:24 PM  | 1.1 | 0.8 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 4:30 PM  | 1.1 | 0.8 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 4:36 PM  | 1.1 | 0.8 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 4:42 PM  | 1.1 | 0.9 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 4:48 PM  | 1.1 | 0.9 | -0.2 | -0.3 | 0.2 |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 7/14/2020 4:54 PM | 1.1 | 0.9 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 5:00 PM | 1.1 | 0.8 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 5:06 PM | 1.1 | 0.8 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 5:12 PM | 1.1 | 0.8 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 5:18 PM | 1.1 | 0.8 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 5:24 PM | 1.1 | 0.8 | -0.2 | -0.4 | 0.2 |
| 7/14/2020 5:30 PM | 1.1 | 0.8 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 5:36 PM | 1.1 | 0.8 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 5:42 PM | 1.1 | 0.8 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 5:48 PM | 1.1 | 0.8 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 5:54 PM | 1.1 | 0.8 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 6:00 PM | 1.1 | 0.8 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 6:06 PM | 1.1 | 0.8 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 6:12 PM | 1.1 | 0.8 | -0.1 | -0.3 | 0.2 |
| 7/14/2020 6:18 PM | 1.1 | 0.8 | 0.0  | -0.3 | 0.2 |
| 7/14/2020 6:24 PM | 1.1 | 0.8 | 0.0  | -0.3 | 0.2 |
| 7/14/2020 6:30 PM | 1.1 | 0.8 | 0.0  | -0.3 | 0.2 |
| 7/14/2020 6:36 PM | 1.1 | 0.7 | 0.0  | -0.3 | 0.2 |
| 7/14/2020 6:42 PM | 1.1 | 0.8 | -0.1 | -0.3 | 0.2 |
| 7/14/2020 6:48 PM | 1.1 | 0.8 | -0.1 | -0.3 | 0.2 |
| 7/14/2020 6:54 PM | 1.1 | 0.8 | -0.1 | -0.3 | 0.2 |
| 7/14/2020 7:00 PM | 1.1 | 0.8 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 7:06 PM | 1.1 | 0.8 | -0.2 | -0.3 | 0.2 |
| 7/14/2020 7:12 PM | 1.1 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 7:18 PM | 1.1 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 7:24 PM | 1.1 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 7:30 PM | 1.1 | 0.7 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 7:36 PM | 1.1 | 0.7 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 7:42 PM | 1.0 | 0.7 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 7:48 PM | 1.0 | 0.7 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 7:54 PM | 1.1 | 0.7 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 8:00 PM | 1.1 | 0.7 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 8:06 PM | 1.1 | 0.7 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 8:12 PM | 1.0 | 0.7 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 8:18 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 8:24 PM | 1.0 | 0.9 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 8:30 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 8:36 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 8:42 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 8:48 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 8:54 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 9:00 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 9:06 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 9:12 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 9:18 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 9:24 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 9:30 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 9:36 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 9:42 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |
| 7/14/2020 9:48 PM | 1.0 | 0.8 | -0.3 | -0.2 | 0.2 |

|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 7/14/2020 9:54 PM  | 1.0 | 0.8  | -0.3 | -0.2 | 0.2 |
| 7/14/2020 10:00 PM | 1.0 | 0.8  | -0.3 | -0.2 | 0.2 |
| 7/14/2020 10:06 PM | 1.0 | 0.8  | -0.3 | -0.2 | 0.2 |
| 7/14/2020 10:12 PM | 0.9 | 0.8  | -0.3 | -0.2 | 0.2 |
| 7/14/2020 10:18 PM | 1.0 | 0.8  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 10:24 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 10:30 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 10:36 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 10:42 PM | 1.0 | 0.7  | -0.3 | -0.2 | 0.2 |
| 7/14/2020 10:48 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 10:54 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 11:00 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 11:06 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 11:12 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 11:18 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 11:24 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 11:30 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 11:36 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 11:42 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 11:48 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/14/2020 11:54 PM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/15/2020 12:00 AM | 1.0 | 0.6  | -0.2 | -0.2 | 0.2 |
| 7/15/2020 12:06 AM | 1.0 | 0.6  | -0.2 | -0.2 | 0.2 |
| 7/15/2020 12:12 AM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/15/2020 12:18 AM | 1.0 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/15/2020 12:24 AM | 0.9 | 0.7  | -0.2 | -0.2 | 0.2 |
| 7/15/2020 12:30 AM | 1.0 | 0.6  | -0.2 | -0.1 | 0.2 |
| 7/15/2020 12:36 AM | 1.0 | 0.6  | -0.2 | -0.1 | 0.2 |
| 7/15/2020 12:42 AM | 1.1 | 0.2  | -0.3 | -0.1 | 0.2 |
| 7/15/2020 12:48 AM | 1.1 | 0.1  | -0.3 | -0.1 | 0.2 |
| 7/15/2020 12:54 AM | 1.0 | -0.1 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 1:00 AM  | 0.9 | -0.2 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 1:06 AM  | 0.9 | -0.2 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 1:12 AM  | 0.9 | -0.2 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 1:18 AM  | 0.9 | -0.2 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 1:24 AM  | 1.0 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 1:30 AM  | 1.1 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 1:36 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 1:42 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 1:48 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 1:54 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 2:00 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 2:06 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 2:12 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 2:18 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 2:24 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 2:30 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 2:36 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 2:42 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 2:48 AM  | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 7/15/2020 2:54 AM | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 3:00 AM | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 3:06 AM | 1.2 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 3:12 AM | 1.1 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 3:18 AM | 1.1 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 3:24 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 3:30 AM | 1.1 | -0.3 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 3:36 AM | 1.1 | -0.3 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 3:42 AM | 1.1 | -0.2 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 3:48 AM | 1.1 | -0.2 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 3:54 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:00 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:06 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:12 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:18 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:24 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:30 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:36 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:42 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:48 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:54 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 5:00 AM | 1.1 | -0.2 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 5:06 AM | 1.1 | -0.2 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 5:12 AM | 1.1 | -0.2 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 5:18 AM | 1.1 | -0.2 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 5:24 AM | 1.1 | -0.2 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 5:30 AM | 1.1 | -0.2 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 5:36 AM | 1.0 | -0.2 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 5:42 AM | 1.0 | -0.2 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 5:48 AM | 1.0 | -0.2 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 5:54 AM | 1.0 | -0.2 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 6:00 AM | 1.1 | -0.2 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 6:06 AM | 1.0 | -0.2 | -0.8 | -0.1 | 0.2 |
| 7/15/2020 6:12 AM | 0.8 | -0.2 | -0.8 | -0.1 | 0.2 |
| 7/15/2020 6:18 AM | 0.7 | -0.2 | -0.8 | -0.1 | 0.2 |
| 7/15/2020 6:24 AM | 0.7 | -0.2 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 6:30 AM | 0.8 | -0.2 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 6:36 AM | 0.9 | -0.2 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 6:42 AM | 0.9 | -0.2 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 6:48 AM | 0.9 | -0.2 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 6:54 AM | 0.8 | -0.2 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 7:00 AM | 0.9 | -0.2 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 7:06 AM | 0.8 | -0.2 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 7:12 AM | 0.8 | -0.2 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 7:18 AM | 0.9 | -0.2 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 7:24 AM | 0.8 | 3.4  | -0.4 | -0.1 | 0.2 |
| 7/15/2020 7:30 AM | 0.7 | 9.7  | -0.5 | -0.1 | 0.2 |
| 7/15/2020 7:36 AM | 0.7 | 7.5  | -0.5 | -0.1 | 0.2 |
| 7/15/2020 7:42 AM | 0.7 | 3.8  | -0.5 | -0.1 | 0.2 |
| 7/15/2020 7:48 AM | 0.8 | 2.6  | -0.6 | -0.1 | 0.2 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 7/15/2020 7:54 AM  | 0.8 | 1.8 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 8:00 AM  | 0.8 | 1.6 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 8:06 AM  | 0.8 | 1.4 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 8:12 AM  | 0.8 | 1.3 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 8:18 AM  | 0.8 | 1.2 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 8:24 AM  | 0.8 | 1.1 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 8:30 AM  | 0.8 | 1.1 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 8:36 AM  | 0.9 | 1.0 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 8:42 AM  | 0.9 | 1.0 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 8:48 AM  | 0.9 | 1.0 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 8:54 AM  | 0.9 | 0.9 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 9:00 AM  | 0.9 | 0.9 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 9:06 AM  | 0.9 | 0.9 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 9:12 AM  | 0.9 | 0.9 | -0.7 | -0.1 | 0.2 |
| 7/15/2020 9:18 AM  | 0.9 | 0.9 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 9:24 AM  | 0.9 | 0.9 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 9:30 AM  | 0.9 | 0.9 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 9:36 AM  | 0.9 | 0.9 | -0.6 | -0.1 | 0.2 |
| 7/15/2020 9:42 AM  | 0.9 | 0.8 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 9:48 AM  | 0.9 | 0.8 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 9:54 AM  | 0.9 | 0.8 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 10:00 AM | 0.9 | 0.9 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 10:06 AM | 0.9 | 1.0 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 10:12 AM | 0.9 | 0.9 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 10:18 AM | 0.9 | 0.9 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 10:24 AM | 0.9 | 0.9 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 10:30 AM | 0.9 | 0.9 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 10:36 AM | 1.0 | 1.0 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 10:42 AM | 0.9 | 0.9 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 10:48 AM | 1.0 | 0.9 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 10:54 AM | 1.0 | 0.9 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 11:00 AM | 1.0 | 0.9 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 11:06 AM | 1.0 | 0.9 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 11:12 AM | 0.9 | 0.9 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 11:18 AM | 1.0 | 0.9 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 11:24 AM | 0.9 | 0.9 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 11:30 AM | 0.9 | 0.8 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 11:36 AM | 0.9 | 0.8 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 11:42 AM | 1.0 | 0.8 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 11:48 AM | 1.0 | 0.8 | -0.2 | -0.1 | 0.2 |
| 7/15/2020 11:54 AM | 1.0 | 0.8 | -0.1 | -0.1 | 0.2 |
| 7/15/2020 12:00 PM | 1.0 | 0.8 | -0.1 | -0.1 | 0.2 |
| 7/15/2020 12:06 PM | 1.0 | 0.8 | 0.1  | -0.1 | 0.2 |
| 7/15/2020 12:12 PM | 1.0 | 0.8 | 0.2  | -0.1 | 0.2 |
| 7/15/2020 12:18 PM | 1.0 | 0.8 | 0.2  | -0.1 | 0.2 |
| 7/15/2020 12:24 PM | 1.0 | 0.8 | 0.2  | -0.1 | 0.2 |
| 7/15/2020 12:30 PM | 1.0 | 0.8 | 0.2  | -0.1 | 0.2 |
| 7/15/2020 12:36 PM | 1.0 | 0.8 | 0.2  | -0.1 | 0.2 |
| 7/15/2020 12:42 PM | 1.0 | 0.8 | 0.2  | -0.1 | 0.2 |
| 7/15/2020 12:48 PM | 1.0 | 0.8 | 0.2  | -0.1 | 0.2 |

|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 7/15/2020 12:54 PM | 1.0 | 0.8  | 0.2  | -0.1 | 0.2 |
| 7/15/2020 1:00 PM  | 1.0 | 0.8  | 0.3  | -0.1 | 0.2 |
| 7/15/2020 1:06 PM  | 1.0 | 0.8  | 0.3  | -0.1 | 0.2 |
| 7/15/2020 1:12 PM  | 1.0 | 0.8  | 0.3  | -0.1 | 0.2 |
| 7/15/2020 1:18 PM  | 1.0 | 0.8  | 0.3  | -0.1 | 0.2 |
| 7/15/2020 1:24 PM  | 1.0 | 0.8  | 0.2  | -0.1 | 0.2 |
| 7/15/2020 1:30 PM  | 1.0 | 0.9  | 0.2  | -0.1 | 0.2 |
| 7/15/2020 1:36 PM  | 0.9 | 0.9  | 0.1  | -0.1 | 0.2 |
| 7/15/2020 1:42 PM  | 0.9 | 0.9  | 0.0  | -0.1 | 0.2 |
| 7/15/2020 1:48 PM  | 0.9 | 0.9  | 0.0  | -0.1 | 0.2 |
| 7/15/2020 1:54 PM  | 0.9 | 1.0  | -0.1 | -0.1 | 0.2 |
| 7/15/2020 2:00 PM  | 0.9 | 1.0  | -0.1 | -0.1 | 0.2 |
| 7/15/2020 2:06 PM  | 0.9 | 0.9  | -0.1 | -0.1 | 0.2 |
| 7/15/2020 2:12 PM  | 0.9 | 0.9  | -0.1 | -0.1 | 0.2 |
| 7/15/2020 2:18 PM  | 0.9 | 0.9  | 0.0  | -0.1 | 0.2 |
| 7/15/2020 2:24 PM  | 0.9 | 0.9  | 0.0  | -0.1 | 0.2 |
| 7/15/2020 2:30 PM  | 0.9 | 0.9  | -0.1 | -0.1 | 0.2 |
| 7/15/2020 2:36 PM  | 0.9 | 0.8  | -0.1 | -0.1 | 0.2 |
| 7/15/2020 2:42 PM  | 0.9 | 0.8  | -0.2 | -0.1 | 0.2 |
| 7/15/2020 2:48 PM  | 0.9 | 0.8  | -0.2 | -0.1 | 0.2 |
| 7/15/2020 2:54 PM  | 0.9 | 0.8  | -0.2 | -0.1 | 0.2 |
| 7/15/2020 3:00 PM  | 0.9 | 0.8  | -0.2 | -0.1 | 0.2 |
| 7/15/2020 3:06 PM  | 0.9 | 0.8  | -0.3 | -0.1 | 0.2 |
| 7/15/2020 3:12 PM  | 0.9 | 0.8  | -0.3 | -0.1 | 0.2 |
| 7/15/2020 3:18 PM  | 0.9 | 0.8  | -0.3 | -0.1 | 0.2 |
| 7/15/2020 3:24 PM  | 0.9 | 0.8  | -0.3 | -0.1 | 0.2 |
| 7/15/2020 3:30 PM  | 0.9 | 0.7  | -0.4 | -0.1 | 0.2 |
| 7/15/2020 3:36 PM  | 0.9 | 0.7  | -0.4 | -0.1 | 0.2 |
| 7/15/2020 3:42 PM  | 0.9 | 0.7  | -0.4 | -0.1 | 0.2 |
| 7/15/2020 3:48 PM  | 1.1 | 0.3  | -0.5 | -0.1 | 0.2 |
| 7/15/2020 3:54 PM  | 1.1 | -0.1 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 4:00 PM  | 1.0 | -0.3 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 4:06 PM  | 0.9 | -0.4 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 4:12 PM  | 0.9 | -0.4 | -0.5 | -0.1 | 0.2 |
| 7/15/2020 4:18 PM  | 0.9 | -0.4 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:24 PM  | 0.9 | -0.4 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:30 PM  | 0.8 | -0.4 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:36 PM  | 0.8 | -0.4 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:42 PM  | 0.8 | -0.4 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:48 PM  | 0.8 | -0.4 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 4:54 PM  | 0.8 | -0.4 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 5:00 PM  | 0.8 | -0.4 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 5:06 PM  | 0.8 | -0.5 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 5:12 PM  | 1.3 | -0.5 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 5:18 PM  | 1.7 | -0.5 | -0.4 | -0.1 | 0.2 |
| 7/15/2020 5:24 PM  | 1.5 | -0.5 | -0.4 | -0.1 | 0.1 |
| 7/15/2020 5:30 PM  | 1.4 | -0.5 | -0.4 | -0.1 | 0.1 |
| 7/15/2020 5:36 PM  | 1.4 | -0.5 | -0.4 | -0.1 | 0.1 |
| 7/15/2020 5:42 PM  | 1.4 | -0.5 | -0.4 | -0.1 | 0.1 |
| 7/15/2020 5:48 PM  | 1.4 | -0.4 | -0.4 | 0.0  | 0.1 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 7/15/2020 5:54 PM  | 1.3  | -0.4 | -0.4 | 0.0  | 0.2 |
| 7/15/2020 6:00 PM  | 1.3  | -0.5 | -0.4 | 0.0  | 0.2 |
| 7/15/2020 6:06 PM  | 1.3  | -0.5 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 6:12 PM  | 1.3  | -0.4 | -0.3 | -0.1 | 0.2 |
| 7/15/2020 6:18 PM  | 1.2  | -0.4 | -0.2 | -0.1 | 0.1 |
| 7/15/2020 6:24 PM  | 1.2  | -0.4 | -0.2 | 0.0  | 0.2 |
| 7/15/2020 6:30 PM  | 1.3  | -0.4 | -0.2 | 0.0  | 0.2 |
| 7/15/2020 6:36 PM  | 1.3  | -0.4 | -0.2 | 0.0  | 0.1 |
| 7/15/2020 6:42 PM  | 1.2  | -0.4 | -0.2 | 0.0  | 0.1 |
| 7/15/2020 6:48 PM  | 1.2  | -0.4 | -0.2 | 0.0  | 0.1 |
| 7/15/2020 6:54 PM  | 1.2  | -0.4 | -0.3 | 0.0  | 0.1 |
| 7/15/2020 7:00 PM  | 1.2  | -0.4 | -0.3 | 0.0  | 0.1 |
| 7/15/2020 7:06 PM  | 1.2  | -0.4 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 7:12 PM  | 1.2  | -0.4 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 7:18 PM  | 1.3  | -0.4 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 7:24 PM  | 1.3  | -0.4 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 7:30 PM  | 1.3  | -0.4 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 7:36 PM  | 1.3  | -0.4 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 7:42 PM  | 1.2  | -0.4 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 7:48 PM  | 1.2  | -0.4 | -0.4 | 0.0  | 0.2 |
| 7/15/2020 7:54 PM  | 1.3  | -0.4 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 8:00 PM  | 1.2  | -0.4 | -0.4 | 0.0  | 0.1 |
| 7/15/2020 8:06 PM  | 1.2  | -0.4 | -0.5 | 0.0  | 0.1 |
| 7/15/2020 8:12 PM  | 1.2  | -0.4 | -0.5 | 0.0  | 0.1 |
| 7/15/2020 8:18 PM  | 1.2  | -0.4 | -0.5 | 0.0  | 0.1 |
| 7/15/2020 8:24 PM  | 1.2  | -0.4 | -0.5 | 0.0  | 0.1 |
| 7/15/2020 8:30 PM  | 1.1  | -0.4 | -0.5 | 0.0  | 0.1 |
| 7/15/2020 8:36 PM  | 1.1  | 8.0  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 8:42 PM  | 1.1  | 10.3 | -0.5 | 0.0  | 0.1 |
| 7/15/2020 8:48 PM  | 1.1  | 2.6  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 8:54 PM  | 1.1  | 1.6  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 9:00 PM  | 1.1  | 1.3  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 9:06 PM  | 1.2  | 1.1  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 9:12 PM  | 1.2  | 1.1  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 9:18 PM  | 1.0  | 2.0  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 9:24 PM  | 0.1  | 3.7  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 9:30 PM  | 0.1  | 4.4  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 9:36 PM  | 0.2  | 4.3  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 9:42 PM  | 0.1  | 4.1  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 9:48 PM  | 0.0  | 4.2  | -0.5 | 0.0  | 0.1 |
| 7/15/2020 9:54 PM  | 0.0  | 4.4  | -0.5 | 0.0  | 0.2 |
| 7/15/2020 10:00 PM | -0.1 | 4.3  | -0.5 | 0.0  | 0.2 |
| 7/15/2020 10:06 PM | -0.1 | 4.0  | -0.5 | 0.0  | 0.2 |
| 7/15/2020 10:12 PM | 0.0  | 3.6  | -0.5 | 0.0  | 0.2 |
| 7/15/2020 10:18 PM | 0.0  | 3.3  | -0.5 | 0.0  | 0.2 |
| 7/15/2020 10:24 PM | 0.0  | 3.1  | -0.5 | 0.0  | 0.2 |
| 7/15/2020 10:30 PM | 0.0  | 3.0  | -0.5 | 0.0  | 0.2 |
| 7/15/2020 10:36 PM | 0.0  | 2.9  | -0.5 | 0.0  | 0.2 |
| 7/15/2020 10:42 PM | 0.0  | 2.8  | -0.5 | 0.0  | 0.2 |
| 7/15/2020 10:48 PM | 0.0  | 2.7  | -0.5 | 0.0  | 0.2 |

|                    |     |     |      |     |     |
|--------------------|-----|-----|------|-----|-----|
| 7/15/2020 10:54 PM | 0.0 | 2.7 | -0.5 | 0.0 | 0.2 |
| 7/15/2020 11:00 PM | 0.0 | 2.7 | -0.5 | 0.0 | 0.2 |
| 7/15/2020 11:06 PM | 0.0 | 2.7 | -0.5 | 0.0 | 0.2 |
| 7/15/2020 11:12 PM | 0.0 | 2.7 | -0.5 | 0.0 | 0.2 |
| 7/15/2020 11:18 PM | 0.0 | 2.8 | -0.5 | 0.0 | 0.2 |
| 7/15/2020 11:24 PM | 0.0 | 2.7 | -0.5 | 0.0 | 0.2 |
| 7/15/2020 11:30 PM | 0.0 | 2.7 | -0.5 | 0.0 | 0.2 |
| 7/15/2020 11:36 PM | 0.0 | 2.7 | -0.5 | 0.0 | 0.2 |
| 7/15/2020 11:42 PM | 0.0 | 2.7 | -0.5 | 0.0 | 0.2 |
| 7/15/2020 11:48 PM | 0.0 | 2.7 | -0.5 | 0.0 | 0.2 |
| 7/15/2020 11:54 PM | 0.0 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 12:00 AM | 0.0 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 12:06 AM | 0.0 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 12:12 AM | 0.0 | 2.7 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 12:18 AM | 0.0 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 12:24 AM | 0.0 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 12:30 AM | 0.0 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 12:36 AM | 0.1 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 12:42 AM | 0.1 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 12:48 AM | 0.1 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 12:54 AM | 0.1 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 1:00 AM  | 0.1 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 1:06 AM  | 0.1 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 1:12 AM  | 0.1 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 1:18 AM  | 0.0 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 1:24 AM  | 0.0 | 2.7 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 1:30 AM  | 0.1 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 1:36 AM  | 0.1 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 1:42 AM  | 0.0 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 1:48 AM  | 0.0 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 1:54 AM  | 0.1 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 2:00 AM  | 0.1 | 2.4 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 2:06 AM  | 0.1 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 2:12 AM  | 0.0 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 2:18 AM  | 0.1 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 2:24 AM  | 0.0 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 2:30 AM  | 0.1 | 2.6 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 2:36 AM  | 0.1 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 2:42 AM  | 0.1 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 2:48 AM  | 0.1 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 2:54 AM  | 0.0 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 3:00 AM  | 0.0 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 3:06 AM  | 0.0 | 2.5 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 3:12 AM  | 0.1 | 2.4 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 3:18 AM  | 0.0 | 2.4 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 3:24 AM  | 0.0 | 2.0 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 3:30 AM  | 0.0 | 1.1 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 3:36 AM  | 0.1 | 0.8 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 3:42 AM  | 0.1 | 0.9 | -0.5 | 0.0 | 0.2 |
| 7/16/2020 3:48 AM  | 0.1 | 1.0 | -0.5 | 0.0 | 0.2 |



|                   |     |     |      |      |      |
|-------------------|-----|-----|------|------|------|
| 7/16/2020 3:54 AM | 0.0 | 1.0 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 4:00 AM | 0.0 | 1.0 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 4:06 AM | 0.0 | 1.0 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 4:12 AM | 0.0 | 0.9 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 4:18 AM | 0.0 | 0.9 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 4:24 AM | 0.0 | 1.0 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 4:30 AM | 0.1 | 1.0 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 4:36 AM | 0.0 | 0.9 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 4:42 AM | 0.0 | 0.9 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 4:48 AM | 0.0 | 0.8 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 4:54 AM | 0.0 | 0.8 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 5:00 AM | 0.0 | 0.8 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 5:06 AM | 0.1 | 0.8 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 5:12 AM | 0.1 | 0.7 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 5:18 AM | 0.0 | 0.8 | -0.5 | 0.0  | 0.2  |
| 7/16/2020 5:24 AM | 0.0 | 0.8 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 5:30 AM | 0.0 | 0.7 | -0.7 | 0.0  | 0.2  |
| 7/16/2020 5:36 AM | 0.0 | 0.6 | -0.7 | 0.0  | 0.2  |
| 7/16/2020 5:42 AM | 0.0 | 0.6 | -0.8 | 0.0  | 0.2  |
| 7/16/2020 5:48 AM | 0.0 | 0.6 | -0.8 | 0.0  | 0.2  |
| 7/16/2020 5:54 AM | 0.0 | 0.6 | -0.7 | 0.0  | 0.2  |
| 7/16/2020 6:00 AM | 0.1 | 0.7 | -0.7 | 0.0  | 0.2  |
| 7/16/2020 6:06 AM | 0.0 | 0.8 | -0.7 | 0.0  | 0.2  |
| 7/16/2020 6:12 AM | 0.1 | 0.8 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 6:18 AM | 1.7 | 0.8 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 6:24 AM | 1.9 | 0.8 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 6:30 AM | 0.3 | 0.8 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 6:36 AM | 0.1 | 0.8 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 6:42 AM | 0.1 | 0.8 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 6:48 AM | 0.1 | 0.8 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 6:54 AM | 0.1 | 0.9 | -0.7 | 0.0  | 0.2  |
| 7/16/2020 7:00 AM | 0.1 | 1.0 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 7:06 AM | 0.1 | 1.1 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 7:12 AM | 0.1 | 1.0 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 7:18 AM | 0.1 | 1.0 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 7:24 AM | 0.1 | 1.0 | -0.6 | 0.0  | 0.2  |
| 7/16/2020 7:30 AM | 0.0 | 1.1 | -0.7 | 0.0  | 0.2  |
| 7/16/2020 7:36 AM | 0.1 | 1.1 | -0.7 | 0.0  | 0.2  |
| 7/16/2020 7:42 AM | 0.1 | 1.1 | -0.8 | -0.1 | 0.2  |
| 7/16/2020 7:48 AM | 0.1 | 1.4 | -0.8 | -0.1 | 0.2  |
| 7/16/2020 7:54 AM | 0.1 | 1.6 | -0.8 | -0.1 | 0.2  |
| 7/16/2020 8:00 AM | 0.1 | 1.4 | -0.8 | -0.1 | 0.2  |
| 7/16/2020 8:06 AM | 0.2 | 1.4 | -0.7 | -0.1 | 0.2  |
| 7/16/2020 8:12 AM | 0.2 | 1.4 | -0.6 | -0.1 | 0.2  |
| 7/16/2020 8:18 AM | 0.1 | 1.3 | -0.5 | -0.1 | 0.2  |
| 7/16/2020 8:24 AM | 0.1 | 1.4 | -0.4 | -0.1 | 0.2  |
| 7/16/2020 8:30 AM | 0.1 | 1.2 | -0.3 | -0.1 | 10.1 |
| 7/16/2020 8:36 AM | 0.1 | 1.0 | -0.3 | -0.1 | 12.5 |
| 7/16/2020 8:42 AM | 0.1 | 1.0 | -0.1 | -0.1 | 7.3  |
| 7/16/2020 8:48 AM | 0.1 | 1.0 | 0.0  | -0.1 | 5.3  |

|                    |          |          |          |          |          |
|--------------------|----------|----------|----------|----------|----------|
| 7/16/2020 8:54 AM  | 0.1      | 1.0      | 0.0      | 0.0      | 5.0      |
| 7/16/2020 9:00 AM  | 0.1      | 0.9      | 0.1      | 0.0      | 5.0      |
| 7/16/2020 9:06 AM  | 0.1      | 0.9      | 0.1      | 0.0      | 5.2      |
| 7/16/2020 9:12 AM  | 0.2      | 0.8      | 0.1      | 0.0      | 4.9      |
| 7/16/2020 9:18 AM  | 0.2      | 0.9      | 0.1      | 0.0      | 4.3      |
| 7/16/2020 9:24 AM  | 0.2      | 0.9      | 0.1      | -0.1     | 3.7      |
| 7/16/2020 9:30 AM  | 0.2      | 1.0      | 0.0      | -0.1     | 3.2      |
| 7/16/2020 9:36 AM  | 0.2      | 1.0      | 0.0      | -0.1     | 2.9      |
| 7/16/2020 9:42 AM  | 0.2      | 1.0      | -0.1     | -0.1     | 2.7      |
| 7/16/2020 9:48 AM  | 0.2      | 1.0      | -0.1     | 0.0      | 2.6      |
| 7/16/2020 9:54 AM  | 0.2      | 0.9      | 0.0      | 0.0      | 2.5      |
| 7/16/2020 10:00 AM | 0.2      | 0.9      | 0.0      | 0.0      | 2.4      |
| 7/16/2020 10:06 AM | 0.2      | 0.9      | 0.0      | 0.0      | 2.4      |
| 7/16/2020 10:12 AM | 0.2      | 0.9      | 0.0      | 0.0      | 2.3      |
| 7/16/2020 10:18 AM | 0.2      | 0.9      | 0.0      | -0.1     | 2.3      |
| 7/16/2020 10:24 AM | 0.2      | 0.9      | 0.0      | -0.1     | 2.3      |
| 7/16/2020 10:30 AM | 0.2      | 0.9      | 0.0      | -0.1     | 2.3      |
| 7/16/2020 10:36 AM | 0.2      | 1.0      | 0.0      | 0.0      | 2.3      |
| 7/16/2020 10:42 AM | 0.2      | 1.0      | 0.0      | 0.0      | 2.3      |
| 7/16/2020 10:48 AM | 0.2      | 0.9      | 0.0      | 0.0      | 2.3      |
| 7/16/2020 10:54 AM | 0.2      | 0.7      | -0.1     | 0.0      | 2.3      |
| 7/16/2020 11:00 AM | 0.2      | 0.8      | -0.1     | 0.0      | 2.2      |
| 7/16/2020 11:06 AM | 0.2      | 0.8      | -0.1     | 0.0      | 2.3      |
| 7/16/2020 11:12 AM | 0.2      | 0.7      | -0.2     | 0.0      | 2.3      |
| 7/16/2020 11:18 AM | 0.2      | 0.7      | -0.2     | -0.1     | 2.3      |
| 7/16/2020 11:24 AM | 0.2      | 0.7      | -0.3     | -0.1     | 2.3      |
| 7/16/2020 11:30 AM | 0.2      | 0.7      | -0.3     | 0.0      | 2.3      |
| 7/16/2020 11:36 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 7/16/2020 11:42 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 7/16/2020 11:48 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 7/16/2020 11:54 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 7/16/2020 12:00 PM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 7/16/2020 12:06 PM | 0.2      | 0.7      | -0.2     | -0.1     | 2.2      |
| 7/16/2020 12:12 PM | 0.2      | 0.8      | -0.1     | -0.1     | 2.2      |
| 7/16/2020 12:18 PM | 0.3      | 0.8      | -0.1     | -0.1     | 2.2      |
| 7/16/2020 12:24 PM | 0.3      | 0.8      | -0.1     | -0.1     | 2.2      |
| 7/16/2020 12:30 PM | 0.3      | 0.7      | -0.2     | -0.1     | 2.2      |
| 7/16/2020 12:36 PM | 0.3      | 0.7      | -0.2     | -0.1     | 2.2      |
| 7/16/2020 12:42 PM | 0.3      | 0.8      | -0.2     | -0.1     | 2.2      |
| 7/16/2020 12:48 PM | 0.3      | 0.7      | -0.2     | -0.1     | 2.2      |
| 7/16/2020 12:54 PM | 0.2      | 0.8      | -0.2     | -0.1     | 2.2      |
| 7/16/2020 1:00 PM  | 0.3      | 0.8      | -0.2     | -0.1     | 2.2      |
| 7/16/2020 1:06 PM  | 0.3      | 0.8      | -0.1     | -0.1     | 2.2      |
| 7/16/2020 1:12 PM  | 0.2      | 0.7      | 0.0      | -0.1     | 2.2      |
| 7/16/2020 1:18 PM  | 0.2      | 0.7      | 0.0      | -0.1     | 2.2      |
| 7/16/2020 1:24 PM  | 0.3      | 0.7      | -0.1     | 0.0      | 2.2      |
| 7/16/2020 1:30 PM  | 0.2      | 0.7      | -0.1     | 0.0      | 2.2      |
| 7/16/2020 1:36 PM  | 0.2      | 0.7      | -0.2     | 0.0      | 2.2      |
| 7/16/2020 1:42 PM  | 0.2      | 0.7      | -0.2     | 0.0      | 2.2      |
| 7/16/2020 1:48 PM  | 0.3      | 0.7      | -0.2     | 0.0      | 2.2      |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 7/16/2020 1:54 PM | 0.3 | 0.7 | -0.2 | 0.0  | 2.2 |
| 7/16/2020 2:00 PM | 0.3 | 0.7 | -0.2 | 0.0  | 2.2 |
| 7/16/2020 2:06 PM | 0.2 | 0.6 | -0.2 | 0.0  | 2.2 |
| 7/16/2020 2:12 PM | 0.2 | 0.7 | -0.1 | 0.0  | 2.1 |
| 7/16/2020 2:18 PM | 0.2 | 0.6 | -0.1 | 0.0  | 2.1 |
| 7/16/2020 2:24 PM | 0.2 | 0.7 | -0.1 | 0.0  | 2.1 |
| 7/16/2020 2:30 PM | 0.2 | 0.7 | -0.2 | 0.0  | 2.1 |
| 7/16/2020 2:36 PM | 0.2 | 0.6 | -0.2 | 0.0  | 2.1 |
| 7/16/2020 2:42 PM | 0.2 | 0.6 | -0.3 | 0.0  | 2.1 |
| 7/16/2020 2:48 PM | 0.2 | 0.6 | -0.3 | -0.1 | 2.2 |
| 7/16/2020 2:54 PM | 0.2 | 0.7 | -0.3 | -0.1 | 2.2 |
| 7/16/2020 3:00 PM | 0.2 | 0.6 | -0.3 | 0.0  | 2.1 |
| 7/16/2020 3:06 PM | 0.2 | 0.7 | -0.3 | 0.0  | 2.1 |
| 7/16/2020 3:12 PM | 0.2 | 0.7 | -0.3 | -0.1 | 2.2 |
| 7/16/2020 3:18 PM | 0.2 | 0.7 | -0.3 | -0.1 | 2.2 |
| 7/16/2020 3:24 PM | 0.2 | 0.7 | -0.3 | -0.1 | 2.2 |
| 7/16/2020 3:30 PM | 0.2 | 0.6 | -0.3 | 0.0  | 2.2 |
| 7/16/2020 3:36 PM | 0.2 | 0.6 | -0.3 | 0.0  | 2.2 |
| 7/16/2020 3:42 PM | 0.2 | 0.6 | -0.3 | 0.0  | 2.2 |
| 7/16/2020 3:48 PM | 0.2 | 0.6 | -0.3 | 0.0  | 2.2 |
| 7/16/2020 3:54 PM | 0.2 | 0.6 | -0.3 | -0.1 | 2.2 |
| 7/16/2020 4:00 PM | 0.2 | 0.6 | -0.3 | -0.1 | 2.3 |
| 7/16/2020 4:06 PM | 0.2 | 0.6 | -0.3 | -0.1 | 2.2 |
| 7/16/2020 4:12 PM | 0.2 | 0.6 | -0.3 | 0.0  | 2.2 |
| 7/16/2020 4:18 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 4:24 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 4:30 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 4:36 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 4:42 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 4:48 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 4:54 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 5:00 PM | 0.1 | 0.6 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 5:06 PM | 0.1 | 0.6 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 5:12 PM | 0.1 | 0.6 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 5:18 PM | 0.1 | 0.6 | -0.4 | 0.0  | 2.3 |
| 7/16/2020 5:24 PM | 0.1 | 0.6 | -0.4 | 0.0  | 2.3 |
| 7/16/2020 5:30 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 5:36 PM | 0.1 | 0.8 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 5:42 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 5:48 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 5:54 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 6:00 PM | 0.1 | 0.6 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 6:06 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 6:12 PM | 0.1 | 0.7 | -0.3 | 0.0  | 2.2 |
| 7/16/2020 6:18 PM | 0.1 | 0.7 | -0.3 | 0.0  | 2.3 |
| 7/16/2020 6:24 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 6:30 PM | 0.1 | 0.8 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 6:36 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.3 |
| 7/16/2020 6:42 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |
| 7/16/2020 6:48 PM | 0.1 | 0.7 | -0.4 | 0.0  | 2.2 |

|                    |     |     |      |     |     |
|--------------------|-----|-----|------|-----|-----|
| 7/16/2020 6:54 PM  | 0.1 | 0.7 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 7:00 PM  | 0.1 | 0.7 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 7:06 PM  | 0.1 | 0.7 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 7:12 PM  | 0.0 | 0.7 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 7:18 PM  | 0.0 | 0.8 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 7:24 PM  | 0.1 | 0.8 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 7:30 PM  | 0.0 | 0.7 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 7:36 PM  | 0.0 | 0.7 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 7:42 PM  | 0.0 | 0.7 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 7:48 PM  | 0.1 | 0.7 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 7:54 PM  | 0.1 | 0.7 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 8:00 PM  | 0.0 | 0.7 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 8:06 PM  | 0.0 | 0.7 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 8:12 PM  | 0.1 | 0.7 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 8:18 PM  | 0.1 | 0.7 | -0.4 | 0.0 | 2.1 |
| 7/16/2020 8:24 PM  | 0.1 | 0.7 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 8:30 PM  | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 8:36 PM  | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 8:42 PM  | 0.0 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 8:48 PM  | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 8:54 PM  | 0.0 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 9:00 PM  | 0.0 | 0.7 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 9:06 PM  | 0.1 | 0.7 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 9:12 PM  | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 9:18 PM  | 0.0 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 9:24 PM  | 0.0 | 0.5 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 9:30 PM  | 0.0 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 9:36 PM  | 0.0 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 9:42 PM  | 0.0 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 9:48 PM  | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 9:54 PM  | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 10:00 PM | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 10:06 PM | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 10:12 PM | 0.1 | 0.6 | -0.4 | 0.0 | 2.3 |
| 7/16/2020 10:18 PM | 0.1 | 0.6 | -0.4 | 0.0 | 2.3 |
| 7/16/2020 10:24 PM | 0.0 | 0.6 | -0.4 | 0.0 | 2.3 |
| 7/16/2020 10:30 PM | 0.0 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 10:36 PM | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 10:42 PM | 0.1 | 0.7 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 10:48 PM | 0.1 | 0.7 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 10:54 PM | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 11:00 PM | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 11:06 PM | 0.1 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 11:12 PM | 0.0 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 11:18 PM | 0.0 | 0.6 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 11:24 PM | 0.0 | 0.7 | -0.4 | 0.0 | 2.2 |
| 7/16/2020 11:30 PM | 0.0 | 0.7 | -0.4 | 0.0 | 2.3 |
| 7/16/2020 11:36 PM | 0.0 | 0.7 | -0.4 | 0.0 | 2.3 |
| 7/16/2020 11:42 PM | 0.0 | 0.6 | -0.4 | 0.0 | 2.3 |
| 7/16/2020 11:48 PM | 0.0 | 0.7 | -0.4 | 0.0 | 2.3 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 7/16/2020 11:54 PM | 0.0 | 0.7 | -0.4 | 0.0  | 2.3 |
| 7/17/2020 12:00 AM | 0.0 | 0.7 | -0.4 | 0.0  | 2.3 |
| 7/17/2020 12:06 AM | 0.0 | 0.7 | -0.4 | 0.0  | 2.3 |
| 7/17/2020 12:12 AM | 0.0 | 0.7 | -0.4 | 0.0  | 2.3 |
| 7/17/2020 12:18 AM | 0.1 | 0.7 | -0.4 | 0.0  | 2.3 |
| 7/17/2020 12:24 AM | 0.0 | 0.7 | -0.5 | 0.0  | 2.3 |
| 7/17/2020 12:30 AM | 0.0 | 0.9 | -0.5 | 0.0  | 2.3 |
| 7/17/2020 12:36 AM | 0.0 | 1.5 | -0.5 | 0.0  | 1.6 |
| 7/17/2020 12:42 AM | 0.0 | 1.6 | -0.5 | 0.0  | 0.5 |
| 7/17/2020 12:48 AM | 0.0 | 1.3 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 12:54 AM | 0.0 | 1.2 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 1:00 AM  | 0.1 | 1.2 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 1:06 AM  | 0.0 | 1.2 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 1:12 AM  | 0.1 | 1.2 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 1:18 AM  | 0.1 | 1.3 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 1:24 AM  | 0.1 | 1.3 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 1:30 AM  | 0.1 | 1.3 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 1:36 AM  | 0.1 | 1.3 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 1:42 AM  | 0.1 | 1.3 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 1:48 AM  | 0.1 | 1.2 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 1:54 AM  | 0.1 | 1.1 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 2:00 AM  | 0.1 | 0.9 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 2:06 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 2:12 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 2:18 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 2:24 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 2:30 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 2:36 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 2:42 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 2:48 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 2:54 AM  | 0.1 | 0.7 | -0.4 | 0.0  | 0.1 |
| 7/17/2020 3:00 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 3:06 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 3:12 AM  | 0.1 | 0.6 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 3:18 AM  | 0.1 | 0.6 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 3:24 AM  | 0.1 | 0.6 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 3:30 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 3:36 AM  | 0.1 | 0.7 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 3:42 AM  | 0.1 | 0.6 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 3:48 AM  | 0.1 | 0.6 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 3:54 AM  | 0.1 | 0.6 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 4:00 AM  | 0.1 | 0.6 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 4:06 AM  | 0.1 | 0.6 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 4:12 AM  | 0.1 | 0.6 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 4:18 AM  | 0.1 | 0.6 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 4:24 AM  | 0.1 | 0.6 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 4:30 AM  | 0.1 | 0.8 | -0.5 | 13.0 | 0.2 |
| 7/17/2020 4:36 AM  | 0.1 | 1.0 | -0.5 | 14.9 | 0.2 |
| 7/17/2020 4:42 AM  | 0.1 | 1.0 | -0.5 | 1.7  | 0.2 |
| 7/17/2020 4:48 AM  | 0.1 | 1.0 | -0.5 | 0.7  | 0.1 |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 7/17/2020 4:54 AM | 0.1 | 0.9 | -0.5 | 0.5  | 0.1 |
| 7/17/2020 5:00 AM | 0.1 | 0.9 | -0.5 | 0.3  | 0.1 |
| 7/17/2020 5:06 AM | 0.1 | 0.9 | -0.5 | 0.3  | 0.1 |
| 7/17/2020 5:12 AM | 0.1 | 0.9 | -0.5 | 0.3  | 0.2 |
| 7/17/2020 5:18 AM | 0.1 | 0.9 | -0.5 | 0.3  | 0.2 |
| 7/17/2020 5:24 AM | 0.1 | 0.9 | -0.5 | 0.2  | 0.2 |
| 7/17/2020 5:30 AM | 0.1 | 0.9 | -0.5 | 0.2  | 0.1 |
| 7/17/2020 5:36 AM | 0.1 | 0.9 | -0.5 | 0.1  | 0.1 |
| 7/17/2020 5:42 AM | 0.1 | 0.9 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 5:48 AM | 0.1 | 1.0 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 5:54 AM | 0.1 | 1.0 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 6:00 AM | 0.1 | 1.0 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 6:06 AM | 0.1 | 1.0 | -0.5 | 0.0  | 0.1 |
| 7/17/2020 6:12 AM | 0.1 | 1.0 | -0.6 | 0.0  | 0.1 |
| 7/17/2020 6:18 AM | 0.1 | 1.0 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 6:24 AM | 0.1 | 1.0 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 6:30 AM | 0.1 | 1.0 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 6:36 AM | 0.1 | 1.0 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 6:42 AM | 0.1 | 1.1 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 6:48 AM | 0.1 | 1.1 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 6:54 AM | 0.1 | 1.1 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 7:00 AM | 0.1 | 1.0 | -0.6 | 0.0  | 0.2 |
| 7/17/2020 7:06 AM | 0.1 | 1.1 | -0.6 | 0.0  | 0.2 |
| 7/17/2020 7:12 AM | 0.1 | 1.1 | -0.6 | 0.0  | 0.2 |
| 7/17/2020 7:18 AM | 0.1 | 1.3 | -0.6 | 0.0  | 0.2 |
| 7/17/2020 7:24 AM | 0.1 | 2.3 | -0.6 | 0.0  | 0.2 |
| 7/17/2020 7:30 AM | 0.1 | 2.5 | -0.6 | 0.0  | 0.2 |
| 7/17/2020 7:36 AM | 0.1 | 2.0 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 7:42 AM | 0.1 | 1.9 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 7:48 AM | 0.1 | 1.8 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 7:54 AM | 0.1 | 2.3 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 8:00 AM | 0.1 | 2.8 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 8:06 AM | 0.1 | 2.8 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 8:12 AM | 0.1 | 2.8 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 8:18 AM | 0.1 | 2.8 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 8:24 AM | 0.1 | 2.7 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 8:30 AM | 0.1 | 2.6 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 8:36 AM | 0.1 | 2.7 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 8:42 AM | 0.1 | 2.7 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 8:48 AM | 0.1 | 2.7 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 8:54 AM | 0.1 | 2.8 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 9:00 AM | 0.1 | 2.9 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 9:06 AM | 0.1 | 2.9 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 9:12 AM | 0.1 | 2.9 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 9:18 AM | 0.1 | 2.9 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 9:24 AM | 0.1 | 2.9 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 9:30 AM | 0.1 | 2.8 | -0.5 | 0.0  | 0.2 |
| 7/17/2020 9:36 AM | 0.1 | 2.9 | -0.5 | 8.2  | 0.2 |
| 7/17/2020 9:42 AM | 0.2 | 2.9 | -0.5 | 20.0 | 0.2 |
| 7/17/2020 9:48 AM | 0.2 | 2.4 | -0.5 | 17.4 | 0.2 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/17/2020 9:54 AM  | 0.2  | 1.2 | -0.5 | 14.9 | 0.2 |
| 7/17/2020 10:00 AM | 0.2  | 0.8 | -0.5 | 14.1 | 0.2 |
| 7/17/2020 10:06 AM | 0.2  | 0.8 | -0.5 | 14.5 | 0.2 |
| 7/17/2020 10:12 AM | 0.2  | 0.8 | -0.5 | 11.9 | 0.2 |
| 7/17/2020 10:18 AM | 0.2  | 0.9 | -0.5 | 9.1  | 0.2 |
| 7/17/2020 10:24 AM | 0.2  | 1.0 | -0.5 | 7.9  | 0.2 |
| 7/17/2020 10:30 AM | 0.2  | 1.0 | -0.6 | 7.5  | 0.2 |
| 7/17/2020 10:36 AM | 0.2  | 1.0 | -0.6 | 7.4  | 0.2 |
| 7/17/2020 10:42 AM | 0.2  | 1.0 | -0.6 | 7.5  | 0.2 |
| 7/17/2020 10:48 AM | 0.2  | 1.0 | -0.6 | 7.9  | 0.2 |
| 7/17/2020 10:54 AM | 0.2  | 1.0 | -0.6 | 8.2  | 0.2 |
| 7/17/2020 11:00 AM | 0.2  | 1.0 | -0.6 | 8.2  | 0.2 |
| 7/17/2020 11:06 AM | 0.2  | 1.0 | -0.5 | 7.6  | 0.2 |
| 7/17/2020 11:12 AM | 0.2  | 1.0 | -0.5 | 7.4  | 0.2 |
| 7/17/2020 11:18 AM | 0.2  | 1.0 | -0.5 | 7.4  | 0.2 |
| 7/17/2020 11:24 AM | 0.2  | 0.9 | -0.5 | 7.0  | 0.2 |
| 7/17/2020 11:30 AM | 0.2  | 0.9 | -0.5 | 6.3  | 0.2 |
| 7/17/2020 11:36 AM | 0.2  | 0.8 | -0.5 | 5.7  | 0.2 |
| 7/17/2020 11:42 AM | 0.2  | 0.8 | -0.5 | 5.3  | 0.2 |
| 7/17/2020 11:48 AM | 0.2  | 0.7 | -0.5 | 5.0  | 0.2 |
| 7/17/2020 11:54 AM | 0.2  | 0.7 | -0.5 | 4.7  | 0.2 |
| 7/17/2020 12:00 PM | 0.2  | 0.7 | -0.5 | 4.5  | 0.2 |
| 7/17/2020 12:06 PM | 0.0  | 0.6 | -0.6 | 4.4  | 0.1 |
| 7/17/2020 12:12 PM | -0.1 | 0.6 | -0.6 | 4.4  | 0.1 |
| 7/17/2020 12:18 PM | -0.1 | 0.6 | -0.6 | 4.4  | 0.1 |
| 7/17/2020 12:24 PM | 0.0  | 0.7 | -0.6 | 4.4  | 0.1 |
| 7/17/2020 12:30 PM | 0.0  | 0.6 | -0.6 | 4.2  | 0.1 |
| 7/17/2020 12:36 PM | 0.0  | 0.6 | -0.6 | 4.1  | 0.1 |
| 7/17/2020 12:42 PM | 0.0  | 0.6 | -0.6 | 4.1  | 0.1 |
| 7/17/2020 12:48 PM | 0.0  | 0.6 | -0.6 | 4.0  | 0.1 |
| 7/17/2020 12:54 PM | 0.0  | 0.6 | -0.6 | 3.9  | 0.1 |
| 7/17/2020 1:00 PM  | 0.0  | 0.6 | -0.6 | 3.9  | 0.1 |
| 7/17/2020 1:06 PM  | 0.0  | 0.6 | -0.6 | 3.6  | 0.1 |
| 7/17/2020 1:12 PM  | 0.0  | 0.6 | -0.6 | 3.2  | 0.1 |
| 7/17/2020 1:18 PM  | 0.0  | 0.6 | -0.6 | 3.2  | 0.1 |
| 7/17/2020 1:24 PM  | 0.0  | 0.6 | -0.6 | 3.3  | 0.1 |
| 7/17/2020 1:30 PM  | 0.0  | 0.6 | -0.6 | 3.3  | 0.1 |
| 7/17/2020 1:36 PM  | 0.0  | 0.6 | -0.6 | 3.4  | 0.1 |
| 7/17/2020 1:42 PM  | 0.0  | 0.5 | -0.6 | 3.4  | 0.1 |
| 7/17/2020 1:48 PM  | 0.0  | 0.5 | -0.6 | 3.2  | 0.1 |
| 7/17/2020 1:54 PM  | 0.0  | 0.6 | -0.5 | 3.1  | 0.1 |
| 7/17/2020 2:00 PM  | 0.0  | 0.6 | -0.5 | 3.2  | 0.1 |
| 7/17/2020 2:06 PM  | 0.0  | 0.6 | -0.4 | 3.1  | 0.1 |
| 7/17/2020 2:12 PM  | 0.0  | 0.6 | -0.3 | 3.0  | 0.1 |
| 7/17/2020 2:18 PM  | 0.0  | 0.6 | -0.2 | 3.0  | 0.1 |
| 7/17/2020 2:24 PM  | 0.0  | 0.6 | -0.2 | 3.1  | 0.1 |
| 7/17/2020 2:30 PM  | 0.0  | 0.6 | -0.3 | 3.3  | 0.1 |
| 7/17/2020 2:36 PM  | 0.0  | 0.6 | -0.3 | 3.4  | 0.1 |
| 7/17/2020 2:42 PM  | 0.0  | 0.7 | -0.3 | 3.4  | 0.1 |
| 7/17/2020 2:48 PM  | 0.0  | 0.7 | -0.4 | 3.5  | 0.1 |

|                   |     |     |      |     |     |
|-------------------|-----|-----|------|-----|-----|
| 7/17/2020 2:54 PM | 0.0 | 0.7 | -0.4 | 3.6 | 0.1 |
| 7/17/2020 3:00 PM | 0.0 | 0.7 | -0.4 | 3.6 | 0.1 |
| 7/17/2020 3:06 PM | 0.0 | 0.6 | -0.4 | 3.7 | 0.1 |
| 7/17/2020 3:12 PM | 0.0 | 0.7 | -0.4 | 3.7 | 0.1 |
| 7/17/2020 3:18 PM | 0.0 | 0.7 | -0.4 | 3.4 | 0.1 |
| 7/17/2020 3:24 PM | 0.0 | 0.6 | -0.4 | 3.4 | 0.1 |
| 7/17/2020 3:30 PM | 0.0 | 0.6 | -0.4 | 3.4 | 0.1 |
| 7/17/2020 3:36 PM | 0.0 | 0.6 | -0.4 | 3.6 | 0.1 |
| 7/17/2020 3:42 PM | 0.1 | 0.6 | -0.4 | 3.6 | 0.1 |
| 7/17/2020 3:48 PM | 0.1 | 0.5 | -0.4 | 3.5 | 0.1 |
| 7/17/2020 3:54 PM | 0.1 | 0.6 | -0.4 | 3.6 | 0.1 |
| 7/17/2020 4:00 PM | 0.1 | 0.6 | -0.4 | 3.6 | 0.1 |
| 7/17/2020 4:06 PM | 0.1 | 0.6 | -0.4 | 3.8 | 0.1 |
| 7/17/2020 4:12 PM | 0.1 | 0.6 | -0.4 | 3.9 | 0.1 |
| 7/17/2020 4:18 PM | 0.1 | 0.6 | -0.4 | 4.0 | 0.1 |
| 7/17/2020 4:24 PM | 0.0 | 0.6 | -0.4 | 4.3 | 0.1 |
| 7/17/2020 4:30 PM | 0.0 | 0.6 | -0.4 | 4.3 | 0.1 |
| 7/17/2020 4:36 PM | 0.0 | 0.6 | -0.4 | 3.9 | 0.1 |
| 7/17/2020 4:42 PM | 0.0 | 0.7 | -0.4 | 3.6 | 0.1 |
| 7/17/2020 4:48 PM | 0.0 | 0.6 | -0.4 | 3.4 | 0.1 |
| 7/17/2020 4:54 PM | 0.0 | 0.6 | -0.4 | 3.6 | 0.1 |
| 7/17/2020 5:00 PM | 0.0 | 0.6 | -0.4 | 3.9 | 0.1 |
| 7/17/2020 5:06 PM | 0.0 | 0.7 | -0.4 | 4.0 | 0.1 |
| 7/17/2020 5:12 PM | 0.0 | 0.6 | -0.4 | 3.9 | 0.1 |
| 7/17/2020 5:18 PM | 0.0 | 0.6 | -0.4 | 4.0 | 0.1 |
| 7/17/2020 5:24 PM | 0.0 | 0.6 | -0.4 | 4.0 | 0.1 |
| 7/17/2020 5:30 PM | 0.0 | 0.6 | -0.4 | 3.9 | 0.1 |
| 7/17/2020 5:36 PM | 0.0 | 0.6 | -0.4 | 4.0 | 0.1 |
| 7/17/2020 5:42 PM | 0.0 | 0.6 | -0.4 | 4.0 | 0.1 |
| 7/17/2020 5:48 PM | 0.0 | 0.7 | -0.4 | 4.1 | 0.1 |
| 7/17/2020 5:54 PM | 0.0 | 0.7 | -0.4 | 4.1 | 0.1 |
| 7/17/2020 6:00 PM | 0.0 | 0.7 | -0.4 | 4.3 | 0.1 |
| 7/17/2020 6:06 PM | 0.0 | 0.7 | -0.4 | 4.3 | 0.1 |
| 7/17/2020 6:12 PM | 0.0 | 0.7 | -0.3 | 3.9 | 0.1 |
| 7/17/2020 6:18 PM | 0.0 | 0.7 | -0.2 | 3.9 | 0.1 |
| 7/17/2020 6:24 PM | 0.0 | 0.7 | -0.2 | 4.1 | 0.1 |
| 7/17/2020 6:30 PM | 0.0 | 0.7 | -0.2 | 3.9 | 0.1 |
| 7/17/2020 6:36 PM | 0.0 | 0.7 | -0.1 | 3.8 | 0.1 |
| 7/17/2020 6:42 PM | 0.0 | 0.7 | -0.2 | 3.9 | 0.1 |
| 7/17/2020 6:48 PM | 0.0 | 0.7 | -0.2 | 3.8 | 0.1 |
| 7/17/2020 6:54 PM | 0.0 | 0.7 | -0.2 | 3.7 | 0.1 |
| 7/17/2020 7:00 PM | 0.0 | 0.7 | -0.2 | 3.6 | 0.1 |
| 7/17/2020 7:06 PM | 0.0 | 0.8 | -0.2 | 3.7 | 0.1 |
| 7/17/2020 7:12 PM | 0.0 | 0.8 | -0.2 | 3.8 | 0.1 |
| 7/17/2020 7:18 PM | 0.0 | 0.7 | -0.3 | 3.8 | 0.1 |
| 7/17/2020 7:24 PM | 0.0 | 0.7 | -0.3 | 3.9 | 0.1 |
| 7/17/2020 7:30 PM | 0.0 | 0.7 | -0.3 | 3.8 | 0.1 |
| 7/17/2020 7:36 PM | 0.0 | 0.7 | -0.3 | 3.2 | 0.1 |
| 7/17/2020 7:42 PM | 0.0 | 0.7 | -0.3 | 2.7 | 0.1 |
| 7/17/2020 7:48 PM | 0.0 | 0.7 | -0.3 | 2.8 | 0.1 |



|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 7/17/2020 7:54 PM  | 0.0  | 0.7  | -0.4 | 2.9 | 0.1 |
| 7/17/2020 8:00 PM  | 0.0  | 0.8  | -0.4 | 2.9 | 0.1 |
| 7/17/2020 8:06 PM  | 0.0  | 0.8  | -0.4 | 3.0 | 0.1 |
| 7/17/2020 8:12 PM  | 0.0  | 0.8  | -0.4 | 3.1 | 0.1 |
| 7/17/2020 8:18 PM  | 0.0  | 0.8  | -0.4 | 3.2 | 0.1 |
| 7/17/2020 8:24 PM  | 0.0  | 0.7  | -0.4 | 3.2 | 0.1 |
| 7/17/2020 8:30 PM  | 0.0  | 0.7  | -0.4 | 3.1 | 0.1 |
| 7/17/2020 8:36 PM  | 0.0  | 0.7  | -0.4 | 3.2 | 0.1 |
| 7/17/2020 8:42 PM  | 0.0  | 0.7  | -0.4 | 3.1 | 0.1 |
| 7/17/2020 8:48 PM  | 0.0  | 0.7  | -0.4 | 3.1 | 0.1 |
| 7/17/2020 8:54 PM  | 0.0  | 0.7  | -0.4 | 3.3 | 0.1 |
| 7/17/2020 9:00 PM  | 0.0  | 0.7  | -0.4 | 3.2 | 0.1 |
| 7/17/2020 9:06 PM  | 0.0  | 0.7  | -0.4 | 3.2 | 0.1 |
| 7/17/2020 9:12 PM  | 0.0  | 0.7  | -0.4 | 3.3 | 0.1 |
| 7/17/2020 9:18 PM  | 0.0  | 0.7  | -0.4 | 3.3 | 0.1 |
| 7/17/2020 9:24 PM  | 0.0  | 0.7  | -0.4 | 3.2 | 0.1 |
| 7/17/2020 9:30 PM  | 0.0  | 0.7  | -0.4 | 3.2 | 0.1 |
| 7/17/2020 9:36 PM  | 0.0  | 0.7  | -0.4 | 3.3 | 0.1 |
| 7/17/2020 9:42 PM  | 0.0  | 0.7  | -0.4 | 3.4 | 0.1 |
| 7/17/2020 9:48 PM  | -0.1 | 0.7  | -0.4 | 3.4 | 0.1 |
| 7/17/2020 9:54 PM  | -0.1 | 0.7  | -0.4 | 3.4 | 0.1 |
| 7/17/2020 10:00 PM | -0.1 | 0.7  | -0.4 | 3.4 | 0.1 |
| 7/17/2020 10:06 PM | -0.1 | 0.7  | -0.4 | 3.4 | 0.1 |
| 7/17/2020 10:12 PM | -0.1 | 0.8  | -0.4 | 3.2 | 0.1 |
| 7/17/2020 10:18 PM | -0.1 | 0.8  | -0.4 | 3.0 | 0.1 |
| 7/17/2020 10:24 PM | -0.1 | 0.8  | -0.4 | 2.9 | 0.1 |
| 7/17/2020 10:30 PM | -0.1 | 0.7  | -0.4 | 2.9 | 0.1 |
| 7/17/2020 10:36 PM | -0.1 | 0.7  | -0.4 | 3.0 | 0.1 |
| 7/17/2020 10:42 PM | -0.1 | 0.7  | -0.4 | 3.0 | 0.1 |
| 7/17/2020 10:48 PM | -0.1 | 0.7  | -0.4 | 3.0 | 0.1 |
| 7/17/2020 10:54 PM | -0.1 | 0.7  | -0.4 | 2.9 | 0.1 |
| 7/17/2020 11:00 PM | -0.1 | 0.7  | -0.4 | 2.8 | 0.1 |
| 7/17/2020 11:06 PM | -0.1 | 0.7  | -0.4 | 2.7 | 0.1 |
| 7/17/2020 11:12 PM | -0.1 | 0.7  | -0.4 | 2.8 | 0.1 |
| 7/17/2020 11:18 PM | -0.1 | 0.7  | -0.4 | 2.7 | 0.1 |
| 7/17/2020 11:24 PM | -0.1 | 0.7  | -0.4 | 2.7 | 0.1 |
| 7/17/2020 11:30 PM | -0.1 | 0.7  | -0.4 | 2.8 | 0.1 |
| 7/17/2020 11:36 PM | -0.1 | 0.7  | -0.4 | 2.8 | 0.1 |
| 7/17/2020 11:42 PM | -0.1 | 0.7  | -0.4 | 2.8 | 0.1 |
| 7/17/2020 11:48 PM | -0.1 | 0.7  | -0.3 | 2.9 | 0.1 |
| 7/17/2020 11:54 PM | -0.1 | 0.7  | -0.3 | 3.0 | 0.1 |
| 7/18/2020 12:00 AM | -0.1 | 0.7  | -0.3 | 2.9 | 0.1 |
| 7/18/2020 12:06 AM | -0.1 | 0.7  | -0.3 | 2.9 | 0.1 |
| 7/18/2020 12:12 AM | -0.1 | 0.1  | -0.3 | 6.5 | 0.1 |
| 7/18/2020 12:18 AM | -0.1 | -0.1 | -0.3 | 8.7 | 0.1 |
| 7/18/2020 12:24 AM | -0.1 | 0.1  | -0.3 | 7.7 | 0.1 |
| 7/18/2020 12:30 AM | -0.1 | -0.1 | -0.3 | 7.0 | 0.1 |
| 7/18/2020 12:36 AM | -0.1 | -0.3 | -0.3 | 6.6 | 0.1 |
| 7/18/2020 12:42 AM | -0.1 | -0.4 | -0.3 | 6.2 | 0.1 |
| 7/18/2020 12:48 AM | -0.1 | -0.4 | -0.3 | 6.0 | 0.1 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 7/18/2020 12:54 AM | -0.1 | -0.4 | -0.3 | 5.8 | 0.1 |
| 7/18/2020 1:00 AM  | -0.1 | -0.4 | -0.3 | 5.9 | 0.1 |
| 7/18/2020 1:06 AM  | -0.1 | -0.4 | -0.3 | 6.0 | 0.1 |
| 7/18/2020 1:12 AM  | -0.1 | -0.4 | -0.3 | 6.1 | 0.1 |
| 7/18/2020 1:18 AM  | -0.1 | -0.4 | -0.3 | 6.0 | 0.1 |
| 7/18/2020 1:24 AM  | -0.1 | -0.4 | -0.3 | 6.3 | 0.1 |
| 7/18/2020 1:30 AM  | -0.1 | -0.4 | -0.3 | 6.6 | 0.1 |
| 7/18/2020 1:36 AM  | -0.1 | -0.4 | -0.3 | 6.5 | 0.1 |
| 7/18/2020 1:42 AM  | -0.1 | -0.4 | -0.3 | 6.3 | 0.1 |
| 7/18/2020 1:48 AM  | -0.1 | -0.4 | -0.3 | 6.1 | 0.1 |
| 7/18/2020 1:54 AM  | -0.1 | -0.4 | -0.3 | 5.9 | 0.1 |
| 7/18/2020 2:00 AM  | -0.1 | -0.4 | -0.3 | 5.8 | 0.1 |
| 7/18/2020 2:06 AM  | -0.1 | -0.4 | -0.3 | 5.6 | 0.1 |
| 7/18/2020 2:12 AM  | -0.1 | -0.4 | -0.3 | 5.4 | 0.1 |
| 7/18/2020 2:18 AM  | -0.1 | -0.4 | -0.3 | 5.4 | 0.1 |
| 7/18/2020 2:24 AM  | -0.1 | -0.4 | -0.3 | 5.3 | 0.1 |
| 7/18/2020 2:30 AM  | -0.1 | -0.4 | -0.3 | 5.1 | 0.1 |
| 7/18/2020 2:36 AM  | -0.1 | -0.4 | -0.3 | 5.1 | 0.1 |
| 7/18/2020 2:42 AM  | -0.1 | -0.4 | -0.3 | 5.1 | 0.1 |
| 7/18/2020 2:48 AM  | -0.1 | -0.4 | -0.3 | 5.2 | 0.1 |
| 7/18/2020 2:54 AM  | -0.1 | -0.4 | -0.3 | 5.5 | 0.1 |
| 7/18/2020 3:00 AM  | -0.1 | -0.4 | -0.3 | 5.6 | 0.1 |
| 7/18/2020 3:06 AM  | -0.1 | -0.3 | -0.3 | 5.7 | 0.1 |
| 7/18/2020 3:12 AM  | -0.1 | -0.3 | -0.3 | 5.6 | 0.1 |
| 7/18/2020 3:18 AM  | -0.1 | -0.3 | -0.3 | 5.2 | 0.1 |
| 7/18/2020 3:24 AM  | -0.1 | -0.3 | -0.3 | 4.5 | 0.1 |
| 7/18/2020 3:30 AM  | -0.1 | -0.3 | -0.3 | 4.4 | 0.1 |
| 7/18/2020 3:36 AM  | -0.1 | -0.3 | -0.3 | 4.4 | 0.1 |
| 7/18/2020 3:42 AM  | -0.1 | -0.3 | -0.3 | 4.2 | 0.1 |
| 7/18/2020 3:48 AM  | -0.1 | -0.3 | -0.3 | 4.2 | 0.1 |
| 7/18/2020 3:54 AM  | -0.1 | -0.3 | -0.3 | 4.4 | 0.1 |
| 7/18/2020 4:00 AM  | -0.1 | -0.3 | -0.3 | 4.8 | 0.1 |
| 7/18/2020 4:06 AM  | -0.1 | -0.3 | -0.3 | 5.0 | 0.1 |
| 7/18/2020 4:12 AM  | -0.1 | -0.3 | -0.3 | 5.2 | 0.1 |
| 7/18/2020 4:18 AM  | -0.1 | -0.3 | -0.3 | 5.2 | 0.1 |
| 7/18/2020 4:24 AM  | -0.1 | -0.3 | -0.3 | 5.1 | 0.1 |
| 7/18/2020 4:30 AM  | -0.1 | -0.2 | -0.3 | 5.1 | 0.1 |
| 7/18/2020 4:36 AM  | -0.1 | -0.3 | -0.3 | 5.0 | 0.1 |
| 7/18/2020 4:42 AM  | -0.1 | -0.3 | -0.3 | 4.8 | 0.1 |
| 7/18/2020 4:48 AM  | -0.1 | -0.2 | -0.3 | 4.8 | 0.1 |
| 7/18/2020 4:54 AM  | -0.1 | -0.2 | -0.3 | 4.7 | 0.1 |
| 7/18/2020 5:00 AM  | -0.1 | -0.2 | -0.4 | 4.7 | 0.1 |
| 7/18/2020 5:06 AM  | -0.1 | -0.2 | -0.4 | 4.6 | 0.1 |
| 7/18/2020 5:12 AM  | -0.1 | -0.2 | -0.4 | 4.4 | 0.1 |
| 7/18/2020 5:18 AM  | -0.1 | -0.2 | -0.5 | 4.4 | 0.1 |
| 7/18/2020 5:24 AM  | -0.1 | -0.2 | -0.6 | 4.5 | 0.1 |
| 7/18/2020 5:30 AM  | -0.1 | -0.3 | -0.7 | 4.5 | 0.1 |
| 7/18/2020 5:36 AM  | -0.1 | -0.3 | -0.8 | 4.5 | 0.1 |
| 7/18/2020 5:42 AM  | -0.1 | -0.2 | -0.9 | 4.6 | 0.1 |
| 7/18/2020 5:48 AM  | -0.1 | -0.2 | -0.9 | 4.6 | 0.1 |

|                    |          |          |          |          |          |
|--------------------|----------|----------|----------|----------|----------|
| 7/18/2020 5:54 AM  | -0.1     | -0.2     | -0.9     | 4.7      | 0.1      |
| 7/18/2020 6:00 AM  | -0.1     | -0.2     | -0.9     | 4.6      | 0.1      |
| 7/18/2020 6:06 AM  | -0.1     | -0.3     | -0.9     | 4.5      | 0.1      |
| 7/18/2020 6:12 AM  | -0.1     | -0.3     | -0.9     | 4.5      | 0.1      |
| 7/18/2020 6:18 AM  | -0.1     | -0.3     | -0.9     | 4.6      | 0.1      |
| 7/18/2020 6:24 AM  | -0.1     | -0.3     | -0.9     | 4.9      | 0.1      |
| 7/18/2020 6:30 AM  | -0.1     | -0.3     | -0.9     | 5.0      | 0.1      |
| 7/18/2020 6:36 AM  | -0.1     | -0.3     | -0.9     | 5.0      | 0.1      |
| 7/18/2020 6:42 AM  | -0.1     | -0.3     | -0.9     | 5.2      | 0.1      |
| 7/18/2020 6:48 AM  | -0.1     | -0.3     | -0.9     | 8.2      | 0.1      |
| 7/18/2020 6:54 AM  | -0.1     | -0.3     | -0.9     | 11.5     | 0.1      |
| 7/18/2020 7:00 AM  | -0.1     | -0.3     | -0.9     | 10.8     | 0.1      |
| 7/18/2020 7:06 AM  | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 |
| 7/18/2020 7:12 AM  | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 7/18/2020 7:18 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 7/18/2020 7:24 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 7/18/2020 7:30 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 7/18/2020 7:36 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 7/18/2020 7:42 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 7/18/2020 7:48 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 7/18/2020 7:54 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 7/18/2020 8:00 AM  | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 7/18/2020 8:06 AM  | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 |
| 7/18/2020 8:12 AM  | 0.0      | 8.2      | -0.7     | 9.6      | 4.2      |
| 7/18/2020 8:18 AM  | 0.0      | 2.8      | -0.7     | 8.7      | 2.1      |
| 7/18/2020 8:24 AM  | 0.0      | 1.6      | -0.7     | 5.5      | 2.1      |
| 7/18/2020 8:30 AM  | 0.0      | 0.9      | -0.7     | 4.6      | 2.1      |
| 7/18/2020 8:36 AM  | 0.0      | 0.4      | -0.6     | 4.1      | 2.1      |
| 7/18/2020 8:42 AM  | 0.0      | 0.2      | -0.5     | 3.8      | 2.1      |
| 7/18/2020 8:48 AM  | 0.0      | 0.0      | -0.3     | 3.6      | 2.1      |
| 7/18/2020 8:54 AM  | 0.0      | -0.1     | -0.1     | 3.6      | 2.1      |
| 7/18/2020 9:00 AM  | 0.0      | -0.2     | 0.0      | 3.3      | 2.2      |
| 7/18/2020 9:06 AM  | 0.1      | -0.2     | 0.1      | 3.1      | 2.3      |
| 7/18/2020 9:12 AM  | 0.1      | -0.2     | 0.1      | 3.2      | 2.3      |
| 7/18/2020 9:18 AM  | 0.1      | -0.3     | 0.1      | 3.2      | 2.3      |
| 7/18/2020 9:24 AM  | 0.1      | -0.3     | 0.1      | 3.2      | 2.3      |
| 7/18/2020 9:30 AM  | 0.1      | -0.3     | 0.1      | 3.2      | 2.3      |
| 7/18/2020 9:36 AM  | 0.1      | -0.3     | 0.1      | 3.3      | 2.3      |
| 7/18/2020 9:42 AM  | 0.1      | -0.3     | 0.1      | 3.5      | 2.3      |
| 7/18/2020 9:48 AM  | 0.1      | -0.3     | 0.1      | 3.4      | 2.3      |
| 7/18/2020 9:54 AM  | 0.1      | -0.3     | 0.1      | 3.3      | 2.3      |
| 7/18/2020 10:00 AM | 0.1      | -0.3     | 0.1      | 3.3      | 2.3      |
| 7/18/2020 10:06 AM | 0.1      | -0.3     | 0.1      | 3.3      | 2.4      |
| 7/18/2020 10:12 AM | 0.1      | -0.3     | 0.1      | 3.4      | 2.4      |
| 7/18/2020 10:18 AM | 0.1      | -0.2     | 0.1      | 3.4      | 2.4      |
| 7/18/2020 10:24 AM | 0.1      | -0.2     | 0.1      | 3.4      | 2.4      |
| 7/18/2020 10:30 AM | 0.1      | -0.2     | 0.1      | 3.5      | 2.4      |
| 7/18/2020 10:36 AM | 0.1      | -0.3     | 0.1      | 3.4      | 2.4      |
| 7/18/2020 10:42 AM | 0.1      | -0.3     | 0.1      | 3.5      | 2.4      |
| 7/18/2020 10:48 AM | 0.1      | -0.2     | 0.1      | 3.5      | 2.4      |

|                    |     |      |      |     |     |
|--------------------|-----|------|------|-----|-----|
| 7/18/2020 10:54 AM | 0.1 | -0.2 | 0.1  | 3.3 | 2.4 |
| 7/18/2020 11:00 AM | 0.1 | -0.2 | 0.1  | 3.2 | 2.4 |
| 7/18/2020 11:06 AM | 0.0 | -0.2 | 0.2  | 3.2 | 2.4 |
| 7/18/2020 11:12 AM | 0.0 | -0.2 | 0.2  | 3.3 | 2.4 |
| 7/18/2020 11:18 AM | 0.0 | -0.2 | 0.2  | 3.4 | 2.4 |
| 7/18/2020 11:24 AM | 0.0 | -0.2 | 0.2  | 3.4 | 2.4 |
| 7/18/2020 11:30 AM | 0.0 | -0.2 | 0.2  | 3.4 | 2.3 |
| 7/18/2020 11:36 AM | 0.0 | -0.2 | 0.2  | 3.4 | 2.4 |
| 7/18/2020 11:42 AM | 0.1 | -0.2 | 0.2  | 3.3 | 2.4 |
| 7/18/2020 11:48 AM | 0.1 | -0.2 | 0.3  | 3.3 | 2.4 |
| 7/18/2020 11:54 AM | 0.1 | -0.2 | 0.3  | 3.4 | 2.4 |
| 7/18/2020 12:00 PM | 0.1 | -0.2 | 0.3  | 3.4 | 2.4 |
| 7/18/2020 12:06 PM | 0.1 | -0.1 | 0.2  | 3.2 | 2.5 |
| 7/18/2020 12:12 PM | 0.1 | -0.1 | 0.2  | 3.2 | 2.5 |
| 7/18/2020 12:18 PM | 0.1 | -0.1 | 0.2  | 3.2 | 2.4 |
| 7/18/2020 12:24 PM | 0.1 | -0.1 | 0.2  | 3.2 | 2.5 |
| 7/18/2020 12:30 PM | 0.1 | -0.1 | 0.1  | 3.1 | 2.4 |
| 7/18/2020 12:36 PM | 0.1 | -0.1 | 0.1  | 2.9 | 2.5 |
| 7/18/2020 12:42 PM | 0.1 | -0.1 | 0.0  | 2.9 | 2.5 |
| 7/18/2020 12:48 PM | 0.1 | -0.1 | 0.0  | 2.9 | 2.5 |
| 7/18/2020 12:54 PM | 0.1 | -0.1 | 0.0  | 3.0 | 2.5 |
| 7/18/2020 1:00 PM  | 0.1 | -0.1 | 0.1  | 3.0 | 2.5 |
| 7/18/2020 1:06 PM  | 0.1 | -0.1 | 0.1  | 3.1 | 2.5 |
| 7/18/2020 1:12 PM  | 0.1 | -0.1 | 0.2  | 3.1 | 2.5 |
| 7/18/2020 1:18 PM  | 0.1 | -0.1 | 0.2  | 3.1 | 2.5 |
| 7/18/2020 1:24 PM  | 0.1 | -0.1 | 0.2  | 3.3 | 2.5 |
| 7/18/2020 1:30 PM  | 0.1 | -0.1 | 0.1  | 3.4 | 2.5 |
| 7/18/2020 1:36 PM  | 0.1 | -0.1 | 0.1  | 3.3 | 2.5 |
| 7/18/2020 1:42 PM  | 0.1 | -0.1 | 0.1  | 3.2 | 2.5 |
| 7/18/2020 1:48 PM  | 0.1 | -0.2 | 0.1  | 3.1 | 2.5 |
| 7/18/2020 1:54 PM  | 0.1 | -0.2 | 0.0  | 2.9 | 2.4 |
| 7/18/2020 2:00 PM  | 0.1 | -0.2 | 0.0  | 2.9 | 2.4 |
| 7/18/2020 2:06 PM  | 0.1 | -0.2 | 0.1  | 2.9 | 2.4 |
| 7/18/2020 2:12 PM  | 0.1 | -0.2 | 0.1  | 3.0 | 2.4 |
| 7/18/2020 2:18 PM  | 0.1 | -0.1 | 0.1  | 2.9 | 2.4 |
| 7/18/2020 2:24 PM  | 0.1 | -0.1 | 0.1  | 2.8 | 2.4 |
| 7/18/2020 2:30 PM  | 0.1 | -0.1 | 0.0  | 2.8 | 2.4 |
| 7/18/2020 2:36 PM  | 0.1 | -0.1 | -0.1 | 2.8 | 2.5 |
| 7/18/2020 2:42 PM  | 0.1 | -0.1 | -0.2 | 2.8 | 2.5 |
| 7/18/2020 2:48 PM  | 0.1 | -0.1 | -0.2 | 2.9 | 2.4 |
| 7/18/2020 2:54 PM  | 0.1 | -0.1 | -0.3 | 2.9 | 2.4 |
| 7/18/2020 3:00 PM  | 0.1 | -0.1 | -0.3 | 2.9 | 2.4 |
| 7/18/2020 3:06 PM  | 0.1 | -0.1 | -0.2 | 3.0 | 2.5 |
| 7/18/2020 3:12 PM  | 0.1 | 0.0  | -0.2 | 3.1 | 2.5 |
| 7/18/2020 3:18 PM  | 0.1 | 0.0  | -0.3 | 3.0 | 2.4 |
| 7/18/2020 3:24 PM  | 0.1 | 0.0  | -0.3 | 3.1 | 2.4 |
| 7/18/2020 3:30 PM  | 0.1 | 0.0  | -0.3 | 3.2 | 2.5 |
| 7/18/2020 3:36 PM  | 0.1 | 0.0  | -0.3 | 3.4 | 2.5 |
| 7/18/2020 3:42 PM  | 0.1 | 0.0  | -0.3 | 3.4 | 2.5 |
| 7/18/2020 3:48 PM  | 0.1 | 0.1  | -0.3 | 3.3 | 2.5 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 7/18/2020 3:54 PM | 0.1  | 0.0 | -0.4 | 3.2 | 2.5 |
| 7/18/2020 4:00 PM | 0.1  | 0.0 | -0.4 | 3.3 | 2.5 |
| 7/18/2020 4:06 PM | 0.1  | 0.1 | -0.4 | 3.2 | 2.4 |
| 7/18/2020 4:12 PM | 0.1  | 0.1 | -0.4 | 3.2 | 2.4 |
| 7/18/2020 4:18 PM | 0.1  | 0.1 | -0.4 | 3.1 | 2.5 |
| 7/18/2020 4:24 PM | 0.1  | 0.1 | -0.4 | 3.0 | 2.5 |
| 7/18/2020 4:30 PM | 0.1  | 0.1 | -0.5 | 3.0 | 2.4 |
| 7/18/2020 4:36 PM | 0.1  | 0.1 | -0.5 | 3.1 | 2.4 |
| 7/18/2020 4:42 PM | 0.1  | 0.1 | -0.4 | 3.0 | 2.3 |
| 7/18/2020 4:48 PM | 0.1  | 0.2 | -0.4 | 3.0 | 2.3 |
| 7/18/2020 4:54 PM | 0.1  | 0.2 | -0.5 | 3.0 | 2.3 |
| 7/18/2020 5:00 PM | 0.1  | 0.3 | -0.5 | 2.9 | 2.3 |
| 7/18/2020 5:06 PM | 0.1  | 0.4 | -0.5 | 3.0 | 2.3 |
| 7/18/2020 5:12 PM | 0.0  | 0.4 | -0.5 | 3.1 | 2.3 |
| 7/18/2020 5:18 PM | 0.0  | 0.5 | -0.5 | 3.1 | 2.4 |
| 7/18/2020 5:24 PM | 0.0  | 0.5 | -0.5 | 3.1 | 2.4 |
| 7/18/2020 5:30 PM | 0.0  | 0.5 | -0.5 | 3.1 | 2.4 |
| 7/18/2020 5:36 PM | 0.0  | 0.5 | -0.5 | 3.0 | 2.4 |
| 7/18/2020 5:42 PM | 0.0  | 0.5 | -0.5 | 3.1 | 2.4 |
| 7/18/2020 5:48 PM | 0.0  | 0.4 | -0.5 | 3.2 | 2.4 |
| 7/18/2020 5:54 PM | 0.0  | 0.3 | -0.5 | 3.3 | 2.5 |
| 7/18/2020 6:00 PM | 0.0  | 0.3 | -0.5 | 3.2 | 2.5 |
| 7/18/2020 6:06 PM | 0.0  | 0.3 | -0.5 | 3.3 | 2.5 |
| 7/18/2020 6:12 PM | 0.0  | 0.2 | -0.5 | 3.4 | 2.5 |
| 7/18/2020 6:18 PM | 0.0  | 0.2 | -0.5 | 3.3 | 2.5 |
| 7/18/2020 6:24 PM | 0.0  | 0.2 | -0.5 | 3.4 | 2.5 |
| 7/18/2020 6:30 PM | 0.0  | 0.2 | -0.5 | 3.4 | 2.5 |
| 7/18/2020 6:36 PM | 0.0  | 0.1 | -0.5 | 3.3 | 2.5 |
| 7/18/2020 6:42 PM | 0.0  | 0.1 | -0.5 | 3.4 | 2.5 |
| 7/18/2020 6:48 PM | -0.1 | 0.1 | -0.5 | 3.4 | 2.5 |
| 7/18/2020 6:54 PM | -0.1 | 0.1 | -0.5 | 3.4 | 2.5 |
| 7/18/2020 7:00 PM | -0.1 | 0.1 | -0.5 | 3.4 | 2.5 |
| 7/18/2020 7:06 PM | -0.1 | 0.1 | -0.5 | 3.3 | 2.5 |
| 7/18/2020 7:12 PM | -0.1 | 0.1 | -0.6 | 3.4 | 2.4 |
| 7/18/2020 7:18 PM | -0.1 | 0.1 | -0.6 | 3.5 | 2.4 |
| 7/18/2020 7:24 PM | -0.1 | 0.1 | -0.6 | 3.3 | 2.5 |
| 7/18/2020 7:30 PM | -0.1 | 0.1 | -0.6 | 3.1 | 2.4 |
| 7/18/2020 7:36 PM | -0.1 | 0.1 | -0.6 | 3.2 | 2.5 |
| 7/18/2020 7:42 PM | -0.1 | 0.1 | -0.6 | 3.1 | 2.5 |
| 7/18/2020 7:48 PM | -0.1 | 0.1 | -0.6 | 3.1 | 2.5 |
| 7/18/2020 7:54 PM | -0.1 | 0.1 | -0.6 | 3.1 | 2.5 |
| 7/18/2020 8:00 PM | -0.1 | 0.1 | -0.6 | 3.2 | 2.6 |
| 7/18/2020 8:06 PM | -0.1 | 0.1 | -0.6 | 3.2 | 2.6 |
| 7/18/2020 8:12 PM | -0.1 | 0.1 | -0.6 | 3.2 | 2.6 |
| 7/18/2020 8:18 PM | -0.1 | 0.1 | -0.6 | 3.2 | 2.6 |
| 7/18/2020 8:24 PM | -0.1 | 0.1 | -0.6 | 3.3 | 2.5 |
| 7/18/2020 8:30 PM | -0.1 | 0.1 | -0.6 | 6.2 | 2.4 |
| 7/18/2020 8:36 PM | -0.1 | 0.1 | -0.6 | 7.7 | 2.3 |
| 7/18/2020 8:42 PM | -0.1 | 0.1 | -0.6 | 5.6 | 2.3 |
| 7/18/2020 8:48 PM | -0.1 | 0.1 | -0.6 | 5.8 | 2.4 |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 7/18/2020 8:54 PM  | -0.1 | 0.1 | -0.6 | 5.4 | 2.5 |
| 7/18/2020 9:00 PM  | -0.1 | 0.1 | -0.6 | 5.2 | 2.5 |
| 7/18/2020 9:06 PM  | -0.1 | 0.1 | -0.6 | 5.0 | 2.5 |
| 7/18/2020 9:12 PM  | -0.1 | 0.1 | -0.6 | 4.7 | 2.5 |
| 7/18/2020 9:18 PM  | -0.1 | 0.1 | -0.6 | 4.4 | 2.5 |
| 7/18/2020 9:24 PM  | -0.1 | 0.2 | -0.6 | 4.3 | 2.6 |
| 7/18/2020 9:30 PM  | -0.1 | 0.2 | -0.6 | 4.3 | 2.6 |
| 7/18/2020 9:36 PM  | -0.1 | 0.2 | -0.6 | 4.2 | 2.6 |
| 7/18/2020 9:42 PM  | -0.1 | 0.2 | -0.6 | 4.2 | 2.6 |
| 7/18/2020 9:48 PM  | -0.1 | 0.2 | -0.6 | 4.0 | 2.6 |
| 7/18/2020 9:54 PM  | -0.1 | 0.2 | -0.6 | 3.9 | 2.6 |
| 7/18/2020 10:00 PM | -0.1 | 0.2 | -0.6 | 4.0 | 2.6 |
| 7/18/2020 10:06 PM | -0.1 | 0.2 | -0.6 | 4.1 | 2.6 |
| 7/18/2020 10:12 PM | -0.1 | 0.2 | -0.6 | 4.2 | 2.7 |
| 7/18/2020 10:18 PM | -0.1 | 0.2 | -0.6 | 4.2 | 2.7 |
| 7/18/2020 10:24 PM | -0.1 | 0.2 | -0.6 | 4.2 | 2.7 |
| 7/18/2020 10:30 PM | -0.1 | 0.2 | -0.6 | 4.3 | 2.7 |
| 7/18/2020 10:36 PM | -0.1 | 0.2 | -0.6 | 4.7 | 2.7 |
| 7/18/2020 10:42 PM | -0.1 | 0.2 | -0.6 | 4.8 | 2.6 |
| 7/18/2020 10:48 PM | -0.1 | 0.2 | -0.6 | 4.7 | 2.6 |
| 7/18/2020 10:54 PM | -0.1 | 0.3 | -0.6 | 4.4 | 2.6 |
| 7/18/2020 11:00 PM | -0.1 | 0.3 | -0.6 | 4.3 | 2.6 |
| 7/18/2020 11:06 PM | -0.1 | 0.3 | -0.6 | 4.3 | 2.6 |
| 7/18/2020 11:12 PM | -0.1 | 0.3 | -0.6 | 4.4 | 2.6 |
| 7/18/2020 11:18 PM | -0.1 | 0.3 | -0.6 | 4.5 | 2.6 |
| 7/18/2020 11:24 PM | -0.1 | 0.3 | -0.6 | 4.4 | 2.6 |
| 7/18/2020 11:30 PM | -0.1 | 0.3 | -0.6 | 6.9 | 2.0 |
| 7/18/2020 11:36 PM | -0.1 | 0.3 | -0.6 | 9.6 | 0.7 |
| 7/18/2020 11:42 PM | -0.1 | 0.3 | -0.6 | 9.1 | 0.1 |
| 7/18/2020 11:48 PM | -0.1 | 0.4 | -0.6 | 8.8 | 0.1 |
| 7/18/2020 11:54 PM | -0.1 | 0.4 | -0.6 | 8.6 | 0.1 |
| 7/19/2020 12:00 AM | -0.1 | 0.4 | -0.6 | 8.6 | 0.1 |
| 7/19/2020 12:06 AM | -0.1 | 0.4 | -0.6 | 8.4 | 0.1 |
| 7/19/2020 12:12 AM | -0.1 | 0.4 | -0.6 | 7.9 | 0.1 |
| 7/19/2020 12:18 AM | -0.1 | 0.4 | -0.6 | 7.8 | 0.1 |
| 7/19/2020 12:24 AM | -0.1 | 0.4 | -0.6 | 7.8 | 0.1 |
| 7/19/2020 12:30 AM | -0.1 | 0.4 | -0.6 | 7.9 | 0.1 |
| 7/19/2020 12:36 AM | -0.1 | 0.4 | -0.6 | 7.9 | 0.1 |
| 7/19/2020 12:42 AM | -0.1 | 0.4 | -0.6 | 7.7 | 0.1 |
| 7/19/2020 12:48 AM | -0.1 | 0.4 | -0.6 | 7.3 | 0.1 |
| 7/19/2020 12:54 AM | -0.1 | 0.4 | -0.6 | 7.4 | 0.1 |
| 7/19/2020 1:00 AM  | -0.1 | 0.4 | -0.6 | 7.5 | 0.1 |
| 7/19/2020 1:06 AM  | -0.1 | 0.4 | -0.6 | 7.4 | 0.1 |
| 7/19/2020 1:12 AM  | -0.1 | 0.4 | -0.6 | 7.2 | 0.1 |
| 7/19/2020 1:18 AM  | -0.1 | 0.4 | -0.6 | 7.2 | 0.1 |
| 7/19/2020 1:24 AM  | -0.1 | 0.5 | -0.6 | 7.2 | 0.1 |
| 7/19/2020 1:30 AM  | -0.1 | 0.4 | -0.6 | 7.3 | 0.1 |
| 7/19/2020 1:36 AM  | -0.1 | 0.4 | -0.6 | 7.4 | 0.1 |
| 7/19/2020 1:42 AM  | -0.1 | 0.4 | -0.6 | 6.1 | 0.1 |
| 7/19/2020 1:48 AM  | -0.1 | 0.4 | -0.6 | 4.0 | 0.1 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 7/19/2020 1:54 AM | -0.2 | 0.4 | -0.6 | 3.5 | 0.1 |
| 7/19/2020 2:00 AM | -0.2 | 0.4 | -0.6 | 3.5 | 0.1 |
| 7/19/2020 2:06 AM | -0.2 | 0.4 | -0.6 | 3.4 | 0.1 |
| 7/19/2020 2:12 AM | -0.2 | 0.5 | -0.6 | 3.4 | 0.1 |
| 7/19/2020 2:18 AM | -0.2 | 0.5 | -0.6 | 3.4 | 0.1 |
| 7/19/2020 2:24 AM | -0.2 | 0.5 | -0.6 | 3.5 | 0.1 |
| 7/19/2020 2:30 AM | -0.2 | 0.5 | -0.6 | 3.3 | 0.1 |
| 7/19/2020 2:36 AM | -0.1 | 0.5 | -0.6 | 3.5 | 0.1 |
| 7/19/2020 2:42 AM | -0.1 | 0.5 | -0.6 | 3.9 | 0.1 |
| 7/19/2020 2:48 AM | -0.1 | 0.5 | -0.6 | 4.0 | 0.1 |
| 7/19/2020 2:54 AM | -0.1 | 0.5 | -0.6 | 4.0 | 0.1 |
| 7/19/2020 3:00 AM | -0.1 | 0.5 | -0.6 | 3.9 | 0.1 |
| 7/19/2020 3:06 AM | -0.1 | 0.5 | -0.6 | 3.7 | 0.1 |
| 7/19/2020 3:12 AM | -0.1 | 0.5 | -0.6 | 3.7 | 0.1 |
| 7/19/2020 3:18 AM | -0.1 | 0.5 | -0.6 | 3.9 | 0.1 |
| 7/19/2020 3:24 AM | -0.1 | 0.6 | -0.6 | 4.2 | 0.1 |
| 7/19/2020 3:30 AM | -0.1 | 0.6 | -0.6 | 4.2 | 0.1 |
| 7/19/2020 3:36 AM | -0.1 | 0.6 | -0.6 | 4.1 | 0.1 |
| 7/19/2020 3:42 AM | -0.1 | 0.6 | -0.6 | 4.1 | 0.1 |
| 7/19/2020 3:48 AM | -0.1 | 0.6 | -0.6 | 4.0 | 0.1 |
| 7/19/2020 3:54 AM | -0.1 | 0.6 | -0.6 | 3.7 | 0.1 |
| 7/19/2020 4:00 AM | -0.1 | 0.6 | -0.6 | 3.8 | 0.1 |
| 7/19/2020 4:06 AM | -0.1 | 0.6 | -0.5 | 3.9 | 0.1 |
| 7/19/2020 4:12 AM | -0.1 | 0.6 | -0.5 | 4.0 | 0.1 |
| 7/19/2020 4:18 AM | -0.1 | 0.6 | -0.5 | 3.8 | 0.1 |
| 7/19/2020 4:24 AM | -0.1 | 0.6 | -0.5 | 4.3 | 0.1 |
| 7/19/2020 4:30 AM | -0.1 | 0.6 | -0.5 | 6.0 | 0.2 |
| 7/19/2020 4:36 AM | -0.1 | 0.7 | -0.5 | 6.7 | 0.1 |
| 7/19/2020 4:42 AM | -0.1 | 0.7 | -0.5 | 6.4 | 0.1 |
| 7/19/2020 4:48 AM | -0.1 | 0.7 | -0.6 | 6.2 | 0.1 |
| 7/19/2020 4:54 AM | -0.1 | 0.7 | -0.6 | 5.9 | 0.1 |
| 7/19/2020 5:00 AM | -0.1 | 0.7 | -0.6 | 5.8 | 0.1 |
| 7/19/2020 5:06 AM | -0.1 | 0.8 | -0.6 | 6.1 | 0.2 |
| 7/19/2020 5:12 AM | -0.1 | 1.0 | -0.7 | 6.0 | 0.1 |
| 7/19/2020 5:18 AM | -0.1 | 1.1 | -0.8 | 5.5 | 0.1 |
| 7/19/2020 5:24 AM | -0.1 | 1.2 | -0.9 | 5.7 | 0.1 |
| 7/19/2020 5:30 AM | -0.1 | 1.2 | -0.9 | 5.6 | 0.1 |
| 7/19/2020 5:36 AM | -0.1 | 1.3 | -0.9 | 5.5 | 0.1 |
| 7/19/2020 5:42 AM | -0.1 | 1.4 | -0.9 | 5.6 | 0.1 |
| 7/19/2020 5:48 AM | -0.1 | 1.5 | -0.9 | 5.7 | 0.1 |
| 7/19/2020 5:54 AM | -0.1 | 1.5 | -0.9 | 5.8 | 0.1 |
| 7/19/2020 6:00 AM | -0.1 | 1.5 | -0.9 | 5.8 | 0.1 |
| 7/19/2020 6:06 AM | -0.1 | 1.6 | -0.9 | 5.6 | 0.1 |
| 7/19/2020 6:12 AM | -0.1 | 1.6 | -0.9 | 5.2 | 0.1 |
| 7/19/2020 6:18 AM | -0.1 | 1.6 | -0.9 | 5.1 | 0.1 |
| 7/19/2020 6:24 AM | -0.1 | 1.6 | -0.9 | 5.2 | 0.1 |
| 7/19/2020 6:30 AM | -0.1 | 1.5 | -0.9 | 5.5 | 0.1 |
| 7/19/2020 6:36 AM | -0.1 | 1.5 | -0.9 | 6.2 | 0.1 |
| 7/19/2020 6:42 AM | -0.1 | 1.4 | -0.9 | 6.3 | 0.1 |
| 7/19/2020 6:48 AM | -0.1 | 1.4 | -0.9 | 6.0 | 0.1 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/19/2020 6:54 AM  | -0.1 | 1.4 | -0.9 | 5.8  | 0.1 |
| 7/19/2020 7:00 AM  | -0.1 | 1.4 | -0.9 | 5.5  | 0.1 |
| 7/19/2020 7:06 AM  | -0.1 | 1.3 | -0.9 | 5.4  | 0.1 |
| 7/19/2020 7:12 AM  | -0.1 | 1.3 | -0.9 | 5.4  | 0.1 |
| 7/19/2020 7:18 AM  | -0.1 | 1.2 | -0.9 | 5.4  | 0.1 |
| 7/19/2020 7:24 AM  | -0.1 | 1.2 | -0.9 | 5.3  | 0.1 |
| 7/19/2020 7:30 AM  | -0.1 | 1.1 | -0.8 | 5.2  | 0.1 |
| 7/19/2020 7:36 AM  | -0.1 | 1.1 | -0.8 | 5.2  | 0.1 |
| 7/19/2020 7:42 AM  | -0.1 | 1.0 | -0.8 | 6.8  | 0.1 |
| 7/19/2020 7:48 AM  | -0.1 | 1.0 | -0.8 | 8.9  | 0.1 |
| 7/19/2020 7:54 AM  | -0.1 | 1.0 | -0.8 | 8.7  | 0.1 |
| 7/19/2020 8:00 AM  | -0.1 | 0.9 | -0.8 | 8.4  | 0.1 |
| 7/19/2020 8:06 AM  | -0.1 | 0.9 | -0.8 | 8.6  | 0.1 |
| 7/19/2020 8:12 AM  | -0.1 | 0.9 | -0.8 | 8.6  | 0.1 |
| 7/19/2020 8:18 AM  | -0.1 | 0.8 | -0.8 | 8.7  | 0.1 |
| 7/19/2020 8:24 AM  | -0.1 | 0.8 | -0.8 | 8.4  | 0.1 |
| 7/19/2020 8:30 AM  | 0.0  | 0.8 | -0.7 | 7.9  | 0.1 |
| 7/19/2020 8:36 AM  | 0.0  | 0.8 | -0.6 | 7.7  | 0.1 |
| 7/19/2020 8:42 AM  | 0.0  | 0.7 | -0.6 | 8.0  | 0.1 |
| 7/19/2020 8:48 AM  | 0.0  | 0.7 | -0.4 | 8.3  | 0.1 |
| 7/19/2020 8:54 AM  | 0.0  | 0.6 | -0.3 | 8.4  | 0.1 |
| 7/19/2020 9:00 AM  | 0.0  | 0.6 | -0.1 | 8.5  | 0.1 |
| 7/19/2020 9:06 AM  | 0.0  | 0.6 | -0.1 | 8.4  | 0.1 |
| 7/19/2020 9:12 AM  | 0.0  | 0.5 | 0.0  | 9.3  | 0.1 |
| 7/19/2020 9:18 AM  | 0.0  | 0.5 | 0.0  | 9.8  | 0.1 |
| 7/19/2020 9:24 AM  | 0.0  | 0.5 | -0.1 | 9.3  | 0.1 |
| 7/19/2020 9:30 AM  | 0.0  | 0.5 | -0.1 | 9.3  | 0.1 |
| 7/19/2020 9:36 AM  | 0.0  | 0.5 | -0.1 | 9.6  | 0.1 |
| 7/19/2020 9:42 AM  | 0.0  | 0.5 | -0.1 | 9.6  | 0.1 |
| 7/19/2020 9:48 AM  | 0.0  | 0.5 | -0.1 | 9.2  | 0.1 |
| 7/19/2020 9:54 AM  | 0.0  | 0.5 | -0.1 | 8.7  | 0.1 |
| 7/19/2020 10:00 AM | 0.0  | 0.5 | -0.1 | 8.6  | 0.1 |
| 7/19/2020 10:06 AM | 0.0  | 0.5 | -0.1 | 8.5  | 0.1 |
| 7/19/2020 10:12 AM | 0.0  | 0.5 | -0.1 | 8.4  | 0.1 |
| 7/19/2020 10:18 AM | 0.0  | 0.5 | -0.1 | 8.7  | 0.1 |
| 7/19/2020 10:24 AM | 0.0  | 0.4 | -0.1 | 8.7  | 0.1 |
| 7/19/2020 10:30 AM | 0.0  | 0.4 | -0.2 | 8.8  | 0.1 |
| 7/19/2020 10:36 AM | 0.0  | 0.3 | -0.2 | 8.8  | 0.1 |
| 7/19/2020 10:42 AM | 0.0  | 0.4 | -0.2 | 9.0  | 0.1 |
| 7/19/2020 10:48 AM | 0.0  | 0.4 | -0.2 | 9.2  | 0.1 |
| 7/19/2020 10:54 AM | 0.0  | 0.4 | -0.1 | 9.2  | 0.1 |
| 7/19/2020 11:00 AM | 0.0  | 0.5 | -0.1 | 9.0  | 0.1 |
| 7/19/2020 11:06 AM | 0.0  | 0.5 | -0.1 | 10.2 | 0.1 |
| 7/19/2020 11:12 AM | 0.0  | 0.5 | -0.1 | 11.7 | 0.1 |
| 7/19/2020 11:18 AM | 0.0  | 0.5 | -0.2 | 11.4 | 0.1 |
| 7/19/2020 11:24 AM | 0.0  | 0.5 | -0.2 | 11.0 | 0.1 |
| 7/19/2020 11:30 AM | 0.0  | 0.6 | -0.2 | 11.1 | 0.1 |
| 7/19/2020 11:36 AM | 0.0  | 0.7 | -0.2 | 11.1 | 0.1 |
| 7/19/2020 11:42 AM | 0.1  | 0.6 | -0.2 | 11.3 | 0.1 |
| 7/19/2020 11:48 AM | 0.1  | 0.6 | -0.2 | 11.3 | 0.1 |



|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 7/19/2020 11:54 AM | 0.1  | 0.6  | -0.1 | 11.1 | 0.1 |
| 7/19/2020 12:00 PM | 0.0  | 0.5  | -0.1 | 11.2 | 0.2 |
| 7/19/2020 12:06 PM | -0.1 | 0.5  | 0.0  | 11.7 | 0.2 |
| 7/19/2020 12:12 PM | -0.1 | 0.5  | 0.0  | 11.9 | 0.2 |
| 7/19/2020 12:18 PM | -0.1 | 0.5  | 0.0  | 12.0 | 0.2 |
| 7/19/2020 12:24 PM | -0.1 | 0.5  | 0.0  | 11.9 | 0.2 |
| 7/19/2020 12:30 PM | -0.1 | 0.6  | -0.1 | 11.0 | 0.2 |
| 7/19/2020 12:36 PM | -0.1 | 0.7  | -0.2 | 10.1 | 0.2 |
| 7/19/2020 12:42 PM | -0.1 | 0.8  | -0.2 | 10.1 | 0.2 |
| 7/19/2020 12:48 PM | -0.1 | 0.9  | -0.2 | 10.0 | 0.2 |
| 7/19/2020 12:54 PM | -0.1 | 1.0  | -0.2 | 10.0 | 0.2 |
| 7/19/2020 1:00 PM  | -0.1 | 0.9  | -0.2 | 9.8  | 0.2 |
| 7/19/2020 1:06 PM  | -0.1 | 1.6  | -0.1 | 9.6  | 0.2 |
| 7/19/2020 1:12 PM  | -0.1 | 15.5 | -0.1 | 9.1  | 0.2 |
| 7/19/2020 1:18 PM  | -0.1 | 19.1 | -0.1 | 4.5  | 0.2 |
| 7/19/2020 1:24 PM  | -0.1 | 13.8 | -0.1 | 1.3  | 0.2 |
| 7/19/2020 1:30 PM  | -0.1 | 8.5  | -0.1 | 1.5  | 0.2 |
| 7/19/2020 1:36 PM  | -0.1 | 5.4  | -0.2 | 1.6  | 0.2 |
| 7/19/2020 1:42 PM  | -0.1 | 4.2  | -0.2 | 1.7  | 0.1 |
| 7/19/2020 1:48 PM  | -0.1 | 4.2  | -0.3 | 1.7  | 0.2 |
| 7/19/2020 1:54 PM  | -0.1 | 4.2  | -0.3 | 1.8  | 0.2 |
| 7/19/2020 2:00 PM  | -0.1 | 4.2  | -0.3 | 1.8  | 0.2 |
| 7/19/2020 2:06 PM  | -0.1 | 3.8  | -0.3 | 1.8  | 0.2 |
| 7/19/2020 2:12 PM  | -0.1 | 3.3  | -0.3 | 1.8  | 0.2 |
| 7/19/2020 2:18 PM  | -0.1 | 2.7  | -0.3 | 1.8  | 0.2 |
| 7/19/2020 2:24 PM  | -0.1 | 2.2  | -0.3 | 1.8  | 0.2 |
| 7/19/2020 2:30 PM  | -0.1 | 1.9  | -0.3 | 1.8  | 0.2 |
| 7/19/2020 2:36 PM  | -0.1 | 1.6  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 2:42 PM  | -0.1 | 1.5  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 2:48 PM  | -0.1 | 1.4  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 2:54 PM  | -0.1 | 1.3  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 3:00 PM  | -0.1 | 1.2  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 3:06 PM  | -0.1 | 1.2  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 3:12 PM  | -0.1 | 1.1  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 3:18 PM  | -0.1 | 1.1  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 3:24 PM  | -0.1 | 1.0  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 3:30 PM  | -0.1 | 1.0  | -0.4 | 1.9  | 0.2 |
| 7/19/2020 3:36 PM  | -0.1 | 0.9  | -0.4 | 1.9  | 0.1 |
| 7/19/2020 3:42 PM  | -0.1 | 0.9  | -0.4 | 1.9  | 0.2 |
| 7/19/2020 3:48 PM  | -0.1 | 0.9  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 3:54 PM  | -0.1 | 0.9  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 4:00 PM  | -0.2 | 0.8  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 4:06 PM  | -0.2 | 0.8  | -0.4 | 1.7  | 0.2 |
| 7/19/2020 4:12 PM  | -0.2 | 0.8  | -0.4 | 1.8  | 0.2 |
| 7/19/2020 4:18 PM  | -0.2 | 0.8  | -0.4 | 1.7  | 0.2 |
| 7/19/2020 4:24 PM  | -0.2 | 0.7  | -0.4 | 1.7  | 0.2 |
| 7/19/2020 4:30 PM  | -0.2 | 0.7  | -0.4 | 1.7  | 0.2 |
| 7/19/2020 4:36 PM  | -0.2 | 0.6  | -0.4 | 1.4  | 0.2 |
| 7/19/2020 4:42 PM  | -0.2 | 0.7  | -0.4 | 0.9  | 0.1 |
| 7/19/2020 4:48 PM  | -0.2 | 0.6  | -0.4 | 0.9  | 0.2 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 7/19/2020 4:54 PM | -0.2 | 0.6 | -0.4 | 1.0 | 0.1 |
| 7/19/2020 5:00 PM | -0.2 | 0.6 | -0.4 | 1.1 | 0.2 |
| 7/19/2020 5:06 PM | -0.2 | 0.6 | -0.4 | 1.1 | 0.2 |
| 7/19/2020 5:12 PM | -0.2 | 0.6 | -0.4 | 1.1 | 0.1 |
| 7/19/2020 5:18 PM | -0.2 | 0.6 | -0.4 | 1.2 | 0.1 |
| 7/19/2020 5:24 PM | -0.2 | 0.6 | -0.4 | 1.2 | 0.2 |
| 7/19/2020 5:30 PM | -0.2 | 0.6 | -0.4 | 1.2 | 0.2 |
| 7/19/2020 5:36 PM | -0.2 | 0.6 | -0.4 | 1.2 | 0.2 |
| 7/19/2020 5:42 PM | -0.2 | 0.6 | -0.4 | 1.3 | 0.2 |
| 7/19/2020 5:48 PM | -0.2 | 0.6 | -0.4 | 1.3 | 0.1 |
| 7/19/2020 5:54 PM | -0.2 | 0.7 | -0.4 | 1.3 | 0.1 |
| 7/19/2020 6:00 PM | -0.2 | 0.7 | -0.4 | 1.3 | 0.1 |
| 7/19/2020 6:06 PM | -0.2 | 0.7 | -0.4 | 1.3 | 0.1 |
| 7/19/2020 6:12 PM | -0.2 | 0.7 | -0.4 | 1.4 | 0.2 |
| 7/19/2020 6:18 PM | -0.2 | 0.7 | -0.4 | 1.4 | 0.1 |
| 7/19/2020 6:24 PM | -0.2 | 0.7 | -0.4 | 1.4 | 0.1 |
| 7/19/2020 6:30 PM | -0.2 | 0.7 | -0.3 | 1.4 | 0.2 |
| 7/19/2020 6:36 PM | -0.2 | 0.7 | -0.3 | 1.4 | 0.2 |
| 7/19/2020 6:42 PM | -0.2 | 0.7 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 6:48 PM | -0.2 | 0.6 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 6:54 PM | -0.2 | 0.7 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 7:00 PM | -0.2 | 0.7 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 7:06 PM | -0.2 | 0.7 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 7:12 PM | -0.2 | 0.7 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 7:18 PM | -0.2 | 0.7 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 7:24 PM | -0.2 | 0.8 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 7:30 PM | -0.2 | 0.7 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 7:36 PM | -0.2 | 0.7 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 7:42 PM | -0.2 | 0.7 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 7:48 PM | -0.2 | 0.7 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 7:54 PM | -0.2 | 0.7 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 8:00 PM | -0.2 | 0.8 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 8:06 PM | -0.2 | 0.8 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 8:12 PM | -0.2 | 0.8 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 8:18 PM | -0.2 | 0.7 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 8:24 PM | -0.2 | 0.7 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 8:30 PM | -0.2 | 0.7 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 8:36 PM | -0.2 | 0.8 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 8:42 PM | -0.2 | 0.9 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 8:48 PM | -0.2 | 0.8 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 8:54 PM | -0.2 | 0.8 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 9:00 PM | -0.2 | 0.9 | -0.4 | 1.5 | 0.2 |
| 7/19/2020 9:06 PM | -0.3 | 0.9 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 9:12 PM | -0.3 | 0.8 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 9:18 PM | -0.3 | 0.8 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 9:24 PM | -0.3 | 0.8 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 9:30 PM | -0.3 | 0.9 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 9:36 PM | -0.3 | 0.9 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 9:42 PM | -0.3 | 0.8 | -0.5 | 1.5 | 0.2 |
| 7/19/2020 9:48 PM | -0.3 | 0.9 | -0.5 | 1.5 | 0.2 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/19/2020 9:54 PM  | -0.3 | 0.9 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 10:00 PM | -0.3 | 0.9 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 10:06 PM | -0.3 | 0.9 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 10:12 PM | -0.3 | 0.9 | -0.5 | 1.4  | 0.2 |
| 7/19/2020 10:18 PM | -0.3 | 0.9 | -0.5 | 1.4  | 0.2 |
| 7/19/2020 10:24 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 10:30 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 10:36 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 10:42 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 10:48 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 10:54 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 11:00 PM | -0.3 | 0.9 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 11:06 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 11:12 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 11:18 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 11:24 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 11:30 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 11:36 PM | -0.3 | 0.8 | -0.5 | 1.5  | 0.2 |
| 7/19/2020 11:42 PM | -0.3 | 0.7 | -0.5 | 1.4  | 0.2 |
| 7/19/2020 11:48 PM | -0.3 | 0.7 | -0.5 | 1.4  | 0.2 |
| 7/19/2020 11:54 PM | -0.3 | 0.7 | -0.5 | 1.5  | 0.2 |
| 7/20/2020 12:00 AM | -0.3 | 0.7 | -0.5 | 1.5  | 0.2 |
| 7/20/2020 12:06 AM | -0.3 | 0.7 | -0.5 | 1.5  | 0.2 |
| 7/20/2020 12:12 AM | -0.3 | 0.7 | -0.5 | 1.4  | 0.2 |
| 7/20/2020 12:18 AM | -0.3 | 0.7 | -0.5 | 1.5  | 0.2 |
| 7/20/2020 12:24 AM | -0.3 | 0.7 | -0.5 | 1.5  | 0.2 |
| 7/20/2020 12:30 AM | -0.3 | 0.7 | -0.5 | 1.5  | 0.2 |
| 7/20/2020 12:36 AM | -0.3 | 0.7 | -0.5 | 1.5  | 0.2 |
| 7/20/2020 12:42 AM | -0.3 | 1.1 | -0.5 | 1.2  | 0.2 |
| 7/20/2020 12:48 AM | -0.3 | 1.5 | -0.5 | 0.2  | 0.2 |
| 7/20/2020 12:54 AM | -0.3 | 1.2 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 1:00 AM  | -0.3 | 1.1 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 1:06 AM  | -0.3 | 1.1 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 1:12 AM  | -0.3 | 1.1 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 1:18 AM  | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 1:24 AM  | -0.3 | 1.1 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 1:30 AM  | -0.3 | 1.1 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 1:36 AM  | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 1:42 AM  | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 1:48 AM  | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 1:54 AM  | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 2:00 AM  | -0.3 | 1.1 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 2:06 AM  | -0.3 | 1.1 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 2:12 AM  | -0.3 | 1.1 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 2:18 AM  | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 2:24 AM  | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 2:30 AM  | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 2:36 AM  | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 2:42 AM  | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 2:48 AM  | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/20/2020 2:54 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 3:00 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 3:06 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 3:12 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 3:18 AM | -0.3 | 0.9 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 3:24 AM | -0.3 | 0.9 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 3:30 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 3:36 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 3:42 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 3:48 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 3:54 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 4:00 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 4:06 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 4:12 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 4:18 AM | -0.3 | 0.9 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 4:24 AM | -0.3 | 0.9 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 4:30 AM | -0.3 | 0.9 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 4:36 AM | -0.3 | 0.9 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 4:42 AM | -0.3 | 0.9 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 4:48 AM | -0.3 | 0.9 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 4:54 AM | -0.3 | 0.9 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 5:00 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 5:06 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 5:12 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 5:18 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 5:24 AM | -0.3 | 1.0 | -0.5 | -0.4 | 0.2 |
| 7/20/2020 5:30 AM | -0.3 | 1.0 | -0.6 | -0.4 | 0.2 |
| 7/20/2020 5:36 AM | -0.3 | 1.0 | -0.6 | -0.4 | 0.2 |
| 7/20/2020 5:42 AM | -0.3 | 1.0 | -0.6 | -0.4 | 0.2 |
| 7/20/2020 5:48 AM | -0.3 | 1.0 | -0.6 | -0.4 | 0.2 |
| 7/20/2020 5:54 AM | -0.3 | 0.9 | -0.7 | -0.4 | 0.2 |
| 7/20/2020 6:00 AM | -0.2 | 0.9 | -0.7 | -0.4 | 0.2 |
| 7/20/2020 6:06 AM | -0.2 | 0.9 | -0.7 | -0.4 | 0.2 |
| 7/20/2020 6:12 AM | -0.2 | 0.9 | -0.7 | -0.4 | 0.2 |
| 7/20/2020 6:18 AM | -0.2 | 0.9 | -0.7 | -0.4 | 0.2 |
| 7/20/2020 6:24 AM | -0.2 | 0.9 | -0.7 | -0.4 | 0.2 |
| 7/20/2020 6:30 AM | -0.2 | 0.9 | -0.7 | -0.4 | 0.2 |
| 7/20/2020 6:36 AM | -0.2 | 0.9 | -0.7 | 4.2  | 0.2 |
| 7/20/2020 6:42 AM | -0.2 | 0.9 | -0.7 | 10.0 | 0.2 |
| 7/20/2020 6:48 AM | -0.2 | 0.9 | -0.7 | 9.1  | 0.2 |
| 7/20/2020 6:54 AM | -0.2 | 0.9 | -0.7 | 5.5  | 0.2 |
| 7/20/2020 7:00 AM | -0.2 | 0.9 | -0.7 | 3.8  | 0.2 |
| 7/20/2020 7:06 AM | -0.2 | 1.0 | -0.8 | 3.6  | 0.2 |
| 7/20/2020 7:12 AM | -0.2 | 1.0 | -0.8 | 3.6  | 0.2 |
| 7/20/2020 7:18 AM | -0.2 | 0.9 | -0.8 | 3.6  | 0.2 |
| 7/20/2020 7:24 AM | -0.2 | 0.9 | -0.8 | 3.5  | 0.2 |
| 7/20/2020 7:30 AM | -0.2 | 0.9 | -0.8 | 3.4  | 0.2 |
| 7/20/2020 7:36 AM | -0.2 | 0.9 | -0.7 | 3.3  | 0.2 |
| 7/20/2020 7:42 AM | -0.2 | 0.9 | -0.7 | 3.1  | 0.2 |
| 7/20/2020 7:48 AM | -0.2 | 0.9 | -0.7 | 2.9  | 0.2 |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 7/20/2020 7:54 AM  | -0.2 | 0.8 | -0.7 | 2.6 | 0.2 |
| 7/20/2020 8:00 AM  | -0.2 | 0.8 | -0.7 | 2.5 | 0.2 |
| 7/20/2020 8:06 AM  | -0.2 | 0.8 | -0.7 | 2.3 | 0.2 |
| 7/20/2020 8:12 AM  | -0.2 | 0.8 | -0.7 | 2.1 | 0.2 |
| 7/20/2020 8:18 AM  | -0.2 | 0.8 | -0.6 | 2.1 | 0.2 |
| 7/20/2020 8:24 AM  | -0.2 | 0.8 | -0.5 | 2.0 | 0.2 |
| 7/20/2020 8:30 AM  | -0.2 | 0.8 | -0.4 | 2.0 | 0.2 |
| 7/20/2020 8:36 AM  | -0.2 | 0.8 | -0.4 | 2.0 | 0.2 |
| 7/20/2020 8:42 AM  | -0.2 | 0.8 | -0.3 | 2.0 | 0.2 |
| 7/20/2020 8:48 AM  | -0.2 | 0.8 | -0.2 | 1.9 | 0.2 |
| 7/20/2020 8:54 AM  | -0.2 | 0.8 | -0.2 | 1.9 | 0.2 |
| 7/20/2020 9:00 AM  | -0.2 | 0.7 | -0.1 | 1.8 | 0.2 |
| 7/20/2020 9:06 AM  | -0.2 | 0.7 | 0.0  | 1.8 | 0.2 |
| 7/20/2020 9:12 AM  | -0.1 | 0.7 | 0.1  | 1.7 | 0.2 |
| 7/20/2020 9:18 AM  | -0.1 | 0.7 | 0.1  | 1.7 | 0.2 |
| 7/20/2020 9:24 AM  | -0.1 | 0.7 | 0.1  | 1.6 | 0.2 |
| 7/20/2020 9:30 AM  | -0.1 | 0.7 | 0.1  | 1.6 | 0.2 |
| 7/20/2020 9:36 AM  | -0.1 | 0.7 | 0.1  | 1.6 | 0.2 |
| 7/20/2020 9:42 AM  | -0.1 | 0.7 | 0.1  | 1.6 | 0.2 |
| 7/20/2020 9:48 AM  | -0.1 | 0.7 | 0.1  | 1.7 | 0.2 |
| 7/20/2020 9:54 AM  | -0.1 | 0.7 | 0.1  | 1.7 | 0.2 |
| 7/20/2020 10:00 AM | -0.1 | 0.8 | 0.1  | 1.7 | 0.2 |
| 7/20/2020 10:06 AM | -0.1 | 0.8 | 0.1  | 1.7 | 0.2 |
| 7/20/2020 10:12 AM | -0.1 | 0.7 | 0.0  | 1.7 | 0.2 |
| 7/20/2020 10:18 AM | -0.1 | 0.7 | 0.0  | 1.7 | 0.2 |
| 7/20/2020 10:24 AM | -0.1 | 0.7 | 0.1  | 1.7 | 0.2 |
| 7/20/2020 10:30 AM | -0.1 | 0.8 | 0.1  | 1.8 | 0.2 |
| 7/20/2020 10:36 AM | -0.1 | 0.8 | 0.1  | 1.8 | 0.2 |
| 7/20/2020 10:42 AM | -0.1 | 0.8 | 0.1  | 1.8 | 0.2 |
| 7/20/2020 10:48 AM | -0.1 | 0.8 | 0.1  | 1.8 | 0.2 |
| 7/20/2020 10:54 AM | -0.1 | 0.7 | 0.1  | 1.9 | 0.2 |
| 7/20/2020 11:00 AM | -0.1 | 0.7 | 0.1  | 1.8 | 0.2 |
| 7/20/2020 11:06 AM | -0.1 | 0.8 | 0.1  | 1.9 | 0.2 |
| 7/20/2020 11:12 AM | -0.1 | 1.0 | 0.1  | 2.1 | 0.2 |
| 7/20/2020 11:18 AM | -0.1 | 1.0 | 0.1  | 2.2 | 0.2 |
| 7/20/2020 11:24 AM | -0.1 | 1.0 | 0.1  | 2.1 | 0.2 |
| 7/20/2020 11:30 AM | -0.1 | 1.0 | 0.1  | 2.1 | 0.2 |
| 7/20/2020 11:36 AM | -0.1 | 0.9 | 0.1  | 2.1 | 0.2 |
| 7/20/2020 11:42 AM | -0.1 | 0.9 | 0.1  | 2.0 | 0.2 |
| 7/20/2020 11:48 AM | -0.1 | 0.9 | 0.1  | 2.0 | 0.2 |
| 7/20/2020 11:54 AM | -0.1 | 1.0 | 0.1  | 2.1 | 0.2 |
| 7/20/2020 12:00 PM | -0.1 | 0.9 | 0.1  | 2.0 | 0.2 |
| 7/20/2020 12:06 PM | -0.1 | 0.9 | 0.1  | 2.0 | 0.2 |
| 7/20/2020 12:12 PM | -0.1 | 0.9 | 0.1  | 2.0 | 0.2 |
| 7/20/2020 12:18 PM | -0.1 | 0.9 | 0.1  | 1.9 | 0.2 |
| 7/20/2020 12:24 PM | -0.1 | 0.9 | 0.1  | 1.8 | 0.2 |
| 7/20/2020 12:30 PM | -0.1 | 0.9 | 0.1  | 1.8 | 0.2 |
| 7/20/2020 12:36 PM | -0.1 | 0.9 | 0.1  | 1.9 | 0.2 |
| 7/20/2020 12:42 PM | -0.1 | 1.0 | 0.0  | 1.9 | 0.2 |
| 7/20/2020 12:48 PM | -0.1 | 0.9 | 0.0  | 1.8 | 0.2 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/20/2020 12:54 PM | -0.1 | 0.9 | 0.0  | 1.9  | 0.2 |
| 7/20/2020 1:00 PM  | -0.1 | 0.9 | 0.0  | 1.9  | 0.2 |
| 7/20/2020 1:06 PM  | -0.1 | 0.9 | 0.0  | 1.9  | 0.2 |
| 7/20/2020 1:12 PM  | -0.1 | 0.9 | 0.0  | 1.9  | 0.2 |
| 7/20/2020 1:18 PM  | -0.1 | 0.9 | 0.0  | 1.9  | 0.2 |
| 7/20/2020 1:24 PM  | -0.1 | 0.9 | 0.0  | 1.9  | 0.2 |
| 7/20/2020 1:30 PM  | -0.1 | 0.9 | -0.1 | 2.0  | 0.2 |
| 7/20/2020 1:36 PM  | -0.1 | 0.9 | -0.1 | 2.0  | 0.2 |
| 7/20/2020 1:42 PM  | -0.1 | 0.9 | -0.1 | 2.0  | 0.2 |
| 7/20/2020 1:48 PM  | -0.2 | 0.9 | -0.1 | 2.0  | 0.2 |
| 7/20/2020 1:54 PM  | -0.2 | 0.8 | -0.1 | 1.9  | 0.2 |
| 7/20/2020 2:00 PM  | -0.2 | 0.8 | 0.0  | 1.9  | 0.2 |
| 7/20/2020 2:06 PM  | -0.2 | 0.8 | 0.0  | 1.9  | 0.2 |
| 7/20/2020 2:12 PM  | -0.2 | 0.8 | 0.0  | 1.9  | 0.2 |
| 7/20/2020 2:18 PM  | -0.2 | 0.8 | 0.0  | 1.9  | 0.2 |
| 7/20/2020 2:24 PM  | -0.2 | 0.9 | -0.1 | 1.9  | 0.2 |
| 7/20/2020 2:30 PM  | -0.2 | 0.9 | -0.1 | 1.8  | 0.2 |
| 7/20/2020 2:36 PM  | -0.2 | 0.9 | -0.1 | 1.8  | 0.2 |
| 7/20/2020 2:42 PM  | -0.2 | 1.0 | -0.2 | 1.6  | 0.2 |
| 7/20/2020 2:48 PM  | -0.2 | 4.1 | -0.2 | 0.6  | 0.2 |
| 7/20/2020 2:54 PM  | -0.2 | 5.5 | -0.2 | -0.4 | 0.2 |
| 7/20/2020 3:00 PM  | -0.2 | 3.8 | -0.2 | -0.4 | 0.2 |
| 7/20/2020 3:06 PM  | -0.2 | 3.4 | -0.2 | -0.4 | 0.2 |
| 7/20/2020 3:12 PM  | -0.2 | 3.3 | -0.1 | -0.4 | 0.2 |
| 7/20/2020 3:18 PM  | -0.1 | 3.2 | -0.2 | -0.4 | 0.2 |
| 7/20/2020 3:24 PM  | -0.1 | 3.1 | -0.2 | 4.7  | 0.2 |
| 7/20/2020 3:30 PM  | -0.1 | 1.8 | -0.2 | 9.0  | 0.2 |
| 7/20/2020 3:36 PM  | -0.2 | 0.8 | -0.2 | 4.7  | 0.2 |
| 7/20/2020 3:42 PM  | -0.2 | 0.9 | -0.2 | 2.6  | 0.2 |
| 7/20/2020 3:48 PM  | -0.2 | 0.9 | -0.2 | 2.2  | 0.2 |
| 7/20/2020 3:54 PM  | -0.2 | 0.9 | -0.2 | 2.0  | 0.2 |
| 7/20/2020 4:00 PM  | -0.2 | 0.9 | -0.2 | 2.0  | 0.2 |
| 7/20/2020 4:06 PM  | -0.2 | 0.9 | -0.3 | 2.0  | 0.2 |
| 7/20/2020 4:12 PM  | -0.2 | 0.9 | -0.3 | 2.0  | 0.2 |
| 7/20/2020 4:18 PM  | -0.2 | 0.9 | -0.3 | 1.9  | 0.2 |
| 7/20/2020 4:24 PM  | -0.2 | 0.9 | -0.3 | 1.9  | 0.2 |
| 7/20/2020 4:30 PM  | -0.2 | 0.8 | -0.3 | 1.9  | 0.2 |
| 7/20/2020 4:36 PM  | -0.2 | 0.8 | -0.3 | 1.8  | 0.2 |
| 7/20/2020 4:42 PM  | -0.2 | 0.8 | -0.3 | 1.8  | 0.2 |
| 7/20/2020 4:48 PM  | -0.2 | 0.8 | -0.3 | 1.7  | 0.2 |
| 7/20/2020 4:54 PM  | -0.2 | 0.7 | -0.3 | 1.7  | 0.2 |
| 7/20/2020 5:00 PM  | -0.2 | 0.7 | -0.3 | 1.7  | 0.2 |
| 7/20/2020 5:06 PM  | -0.2 | 0.7 | -0.3 | 1.7  | 0.2 |
| 7/20/2020 5:12 PM  | -0.2 | 0.7 | -0.3 | 1.8  | 0.2 |
| 7/20/2020 5:18 PM  | -0.2 | 0.7 | -0.3 | 1.8  | 0.2 |
| 7/20/2020 5:24 PM  | -0.2 | 0.7 | -0.3 | 1.8  | 0.2 |
| 7/20/2020 5:30 PM  | -0.2 | 0.7 | -0.3 | 1.7  | 0.2 |
| 7/20/2020 5:36 PM  | -0.2 | 0.7 | -0.3 | 1.7  | 0.2 |
| 7/20/2020 5:42 PM  | -0.2 | 0.7 | -0.3 | 1.7  | 0.2 |
| 7/20/2020 5:48 PM  | -0.2 | 0.7 | -0.3 | 1.7  | 0.2 |

|                    |      |     |      |      |      |
|--------------------|------|-----|------|------|------|
| 7/20/2020 5:54 PM  | -0.2 | 0.7 | -0.3 | 1.8  | 0.2  |
| 7/20/2020 6:00 PM  | -0.2 | 0.7 | -0.3 | 1.7  | 0.2  |
| 7/20/2020 6:06 PM  | -0.2 | 0.7 | -0.2 | 1.7  | 0.2  |
| 7/20/2020 6:12 PM  | -0.2 | 0.7 | -0.2 | 1.8  | 0.2  |
| 7/20/2020 6:18 PM  | -0.2 | 0.7 | -0.2 | 1.8  | 0.2  |
| 7/20/2020 6:24 PM  | -0.2 | 0.6 | -0.1 | 1.7  | 0.2  |
| 7/20/2020 6:30 PM  | -0.2 | 0.6 | -0.1 | 1.8  | 0.2  |
| 7/20/2020 6:36 PM  | -0.2 | 0.6 | -0.1 | 1.9  | 0.2  |
| 7/20/2020 6:42 PM  | -0.2 | 0.6 | -0.1 | 1.9  | 0.2  |
| 7/20/2020 6:48 PM  | -0.2 | 0.6 | -0.1 | 1.9  | 0.2  |
| 7/20/2020 6:54 PM  | -0.2 | 0.7 | -0.2 | 1.8  | 9.7  |
| 7/20/2020 7:00 PM  | -0.2 | 0.5 | -0.2 | 0.4  | 25.0 |
| 7/20/2020 7:06 PM  | -0.2 | 0.9 | -0.2 | -0.4 | 15.2 |
| 7/20/2020 7:12 PM  | -0.2 | 1.2 | -0.2 | -0.4 | 5.0  |
| 7/20/2020 7:18 PM  | -0.2 | 1.1 | -0.3 | -0.4 | 5.3  |
| 7/20/2020 7:24 PM  | -0.2 | 1.1 | -0.3 | -0.4 | 5.8  |
| 7/20/2020 7:30 PM  | -0.2 | 1.0 | -0.3 | -0.4 | 5.8  |
| 7/20/2020 7:36 PM  | -0.2 | 0.9 | -0.3 | -0.4 | 5.5  |
| 7/20/2020 7:42 PM  | -0.2 | 0.8 | -0.3 | -0.4 | 4.9  |
| 7/20/2020 7:48 PM  | -0.2 | 0.8 | -0.3 | -0.4 | 4.3  |
| 7/20/2020 7:54 PM  | -0.2 | 0.8 | -0.3 | -0.4 | 3.8  |
| 7/20/2020 8:00 PM  | -0.2 | 0.8 | -0.3 | -0.4 | 3.5  |
| 7/20/2020 8:06 PM  | -0.2 | 0.8 | -0.3 | -0.4 | 3.3  |
| 7/20/2020 8:12 PM  | -0.2 | 0.8 | -0.3 | -0.4 | 3.8  |
| 7/20/2020 8:18 PM  | -0.2 | 0.8 | -0.3 | -0.4 | 4.1  |
| 7/20/2020 8:24 PM  | -0.2 | 0.9 | -0.3 | -0.4 | 2.8  |
| 7/20/2020 8:30 PM  | -0.3 | 0.9 | -0.3 | -0.4 | 2.8  |
| 7/20/2020 8:36 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 2.8  |
| 7/20/2020 8:42 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 2.8  |
| 7/20/2020 8:48 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 2.7  |
| 7/20/2020 8:54 PM  | -0.3 | 0.9 | -0.3 | -0.4 | 2.7  |
| 7/20/2020 9:00 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 2.9  |
| 7/20/2020 9:06 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 3.2  |
| 7/20/2020 9:12 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 3.1  |
| 7/20/2020 9:18 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 3.0  |
| 7/20/2020 9:24 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 3.0  |
| 7/20/2020 9:30 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 3.0  |
| 7/20/2020 9:36 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 2.9  |
| 7/20/2020 9:42 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 2.9  |
| 7/20/2020 9:48 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 2.8  |
| 7/20/2020 9:54 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 2.9  |
| 7/20/2020 10:00 PM | -0.3 | 0.8 | -0.3 | -0.4 | 2.9  |
| 7/20/2020 10:06 PM | -0.3 | 0.8 | -0.3 | -0.4 | 2.9  |
| 7/20/2020 10:12 PM | -0.3 | 0.8 | -0.3 | -0.4 | 2.9  |
| 7/20/2020 10:18 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.8  |
| 7/20/2020 10:24 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.8  |
| 7/20/2020 10:30 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.8  |
| 7/20/2020 10:36 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.7  |
| 7/20/2020 10:42 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.7  |
| 7/20/2020 10:48 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.7  |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/20/2020 10:54 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.8 |
| 7/20/2020 11:00 PM | -0.3 | 0.9 | -0.2 | -0.4 | 2.8 |
| 7/20/2020 11:06 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.7 |
| 7/20/2020 11:12 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.7 |
| 7/20/2020 11:18 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.7 |
| 7/20/2020 11:24 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.7 |
| 7/20/2020 11:30 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.7 |
| 7/20/2020 11:36 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.7 |
| 7/20/2020 11:42 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.7 |
| 7/20/2020 11:48 PM | -0.3 | 0.8 | -0.2 | -0.4 | 2.8 |
| 7/20/2020 11:54 PM | -0.3 | 0.9 | -0.2 | -0.4 | 2.7 |
| 7/21/2020 12:00 AM | -0.3 | 0.9 | -0.2 | -0.4 | 2.8 |
| 7/21/2020 12:06 AM | -0.3 | 0.9 | -0.2 | -0.4 | 2.8 |
| 7/21/2020 12:12 AM | -0.3 | 0.9 | -0.2 | -0.4 | 2.8 |
| 7/21/2020 12:18 AM | -0.3 | 0.9 | -0.2 | -0.4 | 2.7 |
| 7/21/2020 12:24 AM | -0.3 | 0.9 | -0.2 | -0.4 | 2.6 |
| 7/21/2020 12:30 AM | -0.3 | 0.9 | -0.2 | -0.4 | 1.4 |
| 7/21/2020 12:36 AM | -0.3 | 0.9 | -0.2 | -0.4 | 0.2 |
| 7/21/2020 12:42 AM | -0.3 | 0.9 | -0.2 | -0.4 | 0.2 |
| 7/21/2020 12:48 AM | -0.3 | 0.9 | -0.2 | -0.4 | 0.2 |
| 7/21/2020 12:54 AM | -0.3 | 1.0 | -0.2 | -0.4 | 0.2 |
| 7/21/2020 1:00 AM  | -0.3 | 1.0 | -0.2 | -0.4 | 0.2 |
| 7/21/2020 1:06 AM  | -0.3 | 1.0 | -0.2 | -0.4 | 0.2 |
| 7/21/2020 1:12 AM  | -0.3 | 1.0 | -0.2 | -0.4 | 0.2 |
| 7/21/2020 1:18 AM  | -0.3 | 1.0 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 1:24 AM  | -0.3 | 1.0 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 1:30 AM  | -0.3 | 1.0 | -0.3 | -0.4 | 0.1 |
| 7/21/2020 1:36 AM  | -0.3 | 1.0 | -0.3 | -0.4 | 0.1 |
| 7/21/2020 1:42 AM  | -0.3 | 0.9 | -0.3 | -0.4 | 0.1 |
| 7/21/2020 1:48 AM  | -0.3 | 0.9 | -0.3 | -0.4 | 0.1 |
| 7/21/2020 1:54 AM  | -0.3 | 0.9 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 2:00 AM  | -0.3 | 1.0 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 2:06 AM  | -0.3 | 1.0 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 2:12 AM  | -0.3 | 0.9 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 2:18 AM  | -0.3 | 1.0 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 2:24 AM  | -0.3 | 1.0 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 2:30 AM  | -0.4 | 0.9 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 2:36 AM  | -0.4 | 1.0 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 2:42 AM  | -0.4 | 1.0 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 2:48 AM  | -0.4 | 1.0 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 2:54 AM  | -0.4 | 1.0 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 3:00 AM  | -0.4 | 1.1 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 3:06 AM  | -0.4 | 1.0 | -0.3 | -0.4 | 0.1 |
| 7/21/2020 3:12 AM  | -0.4 | 1.0 | -0.3 | -0.4 | 0.1 |
| 7/21/2020 3:18 AM  | -0.4 | 1.0 | -0.3 | -0.4 | 0.1 |
| 7/21/2020 3:24 AM  | -0.4 | 1.1 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 3:30 AM  | -0.4 | 1.1 | -0.3 | -0.4 | 0.1 |
| 7/21/2020 3:36 AM  | -0.4 | 1.1 | -0.3 | -0.4 | 0.2 |
| 7/21/2020 3:42 AM  | -0.4 | 1.1 | -0.3 | -0.4 | 0.1 |
| 7/21/2020 3:48 AM  | -0.4 | 1.0 | -0.3 | -0.4 | 0.1 |



|                   |      |      |      |      |      |
|-------------------|------|------|------|------|------|
| 7/21/2020 3:54 AM | -0.4 | 1.0  | -0.3 | -0.4 | 0.1  |
| 7/21/2020 4:00 AM | -0.4 | 0.9  | -0.3 | -0.4 | 0.1  |
| 7/21/2020 4:06 AM | -0.4 | 1.0  | -0.3 | -0.4 | 0.2  |
| 7/21/2020 4:12 AM | -0.4 | 1.1  | -0.3 | -0.4 | 0.2  |
| 7/21/2020 4:18 AM | -0.4 | 1.2  | -0.3 | -0.4 | 0.1  |
| 7/21/2020 4:24 AM | -0.4 | 1.2  | -0.3 | -0.4 | 0.1  |
| 7/21/2020 4:30 AM | -0.4 | 1.2  | -0.3 | -0.4 | 0.2  |
| 7/21/2020 4:36 AM | -0.4 | 1.1  | -0.3 | -0.4 | 0.1  |
| 7/21/2020 4:42 AM | -0.4 | 1.2  | -0.3 | -0.4 | 0.1  |
| 7/21/2020 4:48 AM | -0.4 | 1.3  | -0.3 | -0.4 | 0.2  |
| 7/21/2020 4:54 AM | -0.4 | 1.3  | -0.3 | -0.4 | 0.1  |
| 7/21/2020 5:00 AM | -0.4 | 1.3  | -0.3 | -0.4 | 0.1  |
| 7/21/2020 5:06 AM | -0.4 | 1.3  | -0.3 | -0.4 | 0.2  |
| 7/21/2020 5:12 AM | -0.4 | 1.3  | -0.4 | -0.4 | 0.2  |
| 7/21/2020 5:18 AM | -0.4 | 1.3  | -0.4 | -0.4 | 0.1  |
| 7/21/2020 5:24 AM | -0.4 | 1.3  | -0.4 | -0.4 | 0.1  |
| 7/21/2020 5:30 AM | -0.4 | 1.2  | -0.4 | -0.4 | 0.1  |
| 7/21/2020 5:36 AM | -0.4 | 1.3  | -0.4 | -0.4 | 0.1  |
| 7/21/2020 5:42 AM | -0.4 | 1.3  | -0.5 | -0.4 | 0.1  |
| 7/21/2020 5:48 AM | -0.4 | 1.3  | -0.7 | -0.4 | 0.1  |
| 7/21/2020 5:54 AM | -0.4 | 1.4  | -0.8 | -0.4 | 0.1  |
| 7/21/2020 6:00 AM | -0.4 | 1.4  | -0.8 | -0.4 | 0.1  |
| 7/21/2020 6:06 AM | -0.4 | 1.4  | -0.8 | -0.4 | 0.2  |
| 7/21/2020 6:12 AM | -0.4 | 1.4  | -0.8 | -0.4 | 0.1  |
| 7/21/2020 6:18 AM | -0.4 | 1.4  | -0.8 | -0.4 | 0.2  |
| 7/21/2020 6:24 AM | -0.4 | 1.4  | -0.8 | -0.4 | 0.2  |
| 7/21/2020 6:30 AM | -0.4 | 1.4  | -0.8 | -0.4 | 0.1  |
| 7/21/2020 6:36 AM | -0.4 | 1.5  | -0.8 | -0.4 | 4.0  |
| 7/21/2020 6:42 AM | -0.4 | 1.2  | -0.8 | -0.4 | 8.3  |
| 7/21/2020 6:48 AM | -0.4 | 0.8  | -0.8 | -0.4 | 4.2  |
| 7/21/2020 6:54 AM | -0.4 | 0.8  | -0.8 | -0.4 | 0.3  |
| 7/21/2020 7:00 AM | -0.3 | 0.9  | -0.8 | -0.4 | 0.2  |
| 7/21/2020 7:06 AM | -0.3 | 0.9  | -0.8 | -0.4 | 0.1  |
| 7/21/2020 7:12 AM | -0.3 | 1.0  | -0.8 | -0.4 | 0.1  |
| 7/21/2020 7:18 AM | -0.3 | 1.1  | -0.8 | -0.4 | 0.1  |
| 7/21/2020 7:24 AM | -0.3 | 1.1  | -0.8 | -0.4 | 0.1  |
| 7/21/2020 7:30 AM | -0.3 | 1.2  | -0.8 | -0.4 | 0.1  |
| 7/21/2020 7:36 AM | -0.3 | 1.2  | -0.7 | -0.4 | 0.1  |
| 7/21/2020 7:42 AM | -0.3 | 1.1  | -0.7 | -0.4 | 0.1  |
| 7/21/2020 7:48 AM | -0.3 | 1.0  | -0.7 | -0.4 | 0.1  |
| 7/21/2020 7:54 AM | -0.3 | 1.1  | -0.7 | -0.4 | 0.1  |
| 7/21/2020 8:00 AM | -0.3 | 1.2  | -0.7 | -0.4 | 0.1  |
| 7/21/2020 8:06 AM | -0.3 | 0.7  | -0.7 | -0.4 | 9.3  |
| 7/21/2020 8:12 AM | -0.3 | -0.1 | -0.6 | -0.4 | 22.3 |
| 7/21/2020 8:18 AM | -0.3 | -0.4 | -0.6 | -0.4 | 21.6 |
| 7/21/2020 8:24 AM | -0.3 | -0.4 | -0.6 | -0.4 | 12.9 |
| 7/21/2020 8:30 AM | -0.3 | -0.5 | -0.5 | -0.4 | 10.9 |
| 7/21/2020 8:36 AM | -0.3 | -0.5 | -0.4 | -0.4 | 10.2 |
| 7/21/2020 8:42 AM | -0.3 | -0.6 | -0.3 | -0.4 | 10.1 |
| 7/21/2020 8:48 AM | -0.2 | -0.6 | -0.1 | -0.4 | 10.6 |

|                    |          |          |          |          |          |
|--------------------|----------|----------|----------|----------|----------|
| 7/21/2020 8:54 AM  | -0.2     | -0.6     | 0.1      | -0.4     | 11.1     |
| 7/21/2020 9:00 AM  | -0.2     | -0.6     | 0.2      | -0.3     | 11.0     |
| 7/21/2020 9:06 AM  | -0.2     | -0.6     | 0.2      | -0.3     | 10.4     |
| 7/21/2020 9:12 AM  | -0.2     | -0.6     | 0.2      | -0.3     | 10.0     |
| 7/21/2020 9:18 AM  | -0.2     | -0.6     | 0.2      | -0.3     | 9.5      |
| 7/21/2020 9:24 AM  | -0.2     | -0.6     | 0.2      | -0.3     | 9.4      |
| 7/21/2020 9:30 AM  | -0.2     | -0.7     | 0.2      | -0.3     | 9.4      |
| 7/21/2020 9:36 AM  | -0.2     | -0.6     | 0.2      | -0.3     | 9.2      |
| 7/21/2020 9:42 AM  | -0.2     | -0.6     | 0.2      | -0.3     | 9.1      |
| 7/21/2020 9:48 AM  | -0.2     | -0.6     | 0.2      | -0.3     | 9.1      |
| 7/21/2020 9:54 AM  | -0.2     | -0.6     | 0.2      | -0.3     | 8.9      |
| 7/21/2020 10:00 AM | -0.2     | -0.6     | 0.2      | -0.3     | 8.7      |
| 7/21/2020 10:06 AM | -0.2     | -0.6     | 0.2      | -0.3     | 8.9      |
| 7/21/2020 10:12 AM | -0.2     | -0.6     | 0.1      | -0.3     | 8.9      |
| 7/21/2020 10:18 AM | -0.2     | -0.6     | 0.2      | -0.3     | 8.7      |
| 7/21/2020 10:24 AM | -0.2     | -0.6     | 0.1      | -0.3     | 8.8      |
| 7/21/2020 10:30 AM | -0.2     | -0.6     | 0.1      | -0.3     | 8.8      |
| 7/21/2020 10:36 AM | -0.2     | -0.6     | 0.2      | -0.3     | 8.8      |
| 7/21/2020 10:42 AM | -0.2     | -0.6     | 0.2      | -0.3     | 8.9      |
| 7/21/2020 10:48 AM | -0.2     | -0.6     | 0.2      | -0.3     | 8.8      |
| 7/21/2020 10:54 AM | -0.2     | -0.6     | 0.2      | -0.3     | 8.8      |
| 7/21/2020 11:00 AM | -0.2     | -0.6     | 0.3      | -0.3     | 8.7      |
| 7/21/2020 11:06 AM | -0.2     | -0.6     | 0.3      | -0.3     | 8.9      |
| 7/21/2020 11:12 AM | -0.2     | 6.7      | 0.2      | -0.3     | 8.9      |
| 7/21/2020 11:18 AM | -0.2     | 9.9      | 0.2      | -0.3     | 8.7      |
| 7/21/2020 11:24 AM | -0.2     | 3.1      | 0.2      | -0.3     | 8.6      |
| 7/21/2020 11:30 AM | -0.2     | 1.7      | 0.1      | -0.3     | 8.7      |
| 7/21/2020 11:36 AM | -0.2     | 1.4      | 0.1      | -0.3     | 8.8      |
| 7/21/2020 11:42 AM | -0.2     | 1.3      | 0.0      | -0.3     | 9.0      |
| 7/21/2020 11:48 AM | -0.2     | 1.3      | 0.0      | -0.3     | 9.0      |
| 7/21/2020 11:54 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 7/21/2020 12:00 PM | <Samp    | Maintain | Maintain | Maintain | <Samp    |
| 7/21/2020 12:06 PM | -0.2     | 1.1      | 0.1      | -0.3     | 8.9      |
| 7/21/2020 12:12 PM | -0.2     | 1.1      | 0.1      | -0.3     | 9.0      |
| 7/21/2020 12:18 PM | -0.2     | 1.1      | 0.1      | -0.3     | 8.9      |
| 7/21/2020 12:24 PM | -0.2     | 1.1      | 0.0      | -0.3     | 8.8      |
| 7/21/2020 12:30 PM | -0.2     | 1.1      | 0.0      | -0.3     | 8.8      |
| 7/21/2020 12:36 PM | -0.2     | 1.0      | -0.1     | -0.3     | 8.8      |
| 7/21/2020 12:42 PM | -0.2     | 1.0      | -0.1     | -0.3     | 8.6      |
| 7/21/2020 12:48 PM | -0.2     | 1.0      | -0.1     | -0.3     | 8.4      |
| 7/21/2020 12:54 PM | -0.2     | 1.0      | -0.1     | -0.3     | 8.4      |
| 7/21/2020 1:00 PM  | -0.2     | 1.0      | -0.1     | -0.3     | 8.5      |
| 7/21/2020 1:06 PM  | -0.2     | 1.0      | 0.0      | -0.3     | 8.6      |
| 7/21/2020 1:12 PM  | -0.2     | 1.0      | 0.0      | 6.9      | 8.4      |
| 7/21/2020 1:18 PM  | -0.2     | 0.9      | 0.1      | 9.1      | 8.3      |
| 7/21/2020 1:24 PM  | -0.2     | 0.9      | 0.1      | 1.8      | 8.2      |
| 7/21/2020 1:30 PM  | -0.2     | 0.9      | 0.1      | 0.3      | 8.0      |
| 7/21/2020 1:36 PM  | -0.2     | 0.9      | 0.1      | -0.1     | 7.9      |
| 7/21/2020 1:42 PM  | -0.2     | 0.8      | 0.0      | -0.2     | 8.0      |
| 7/21/2020 1:48 PM  | -0.2     | 0.8      | 0.0      | -0.3     | 7.9      |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/21/2020 1:54 PM | -0.2 | 0.8 | 0.0  | -0.3 | 8.1 |
| 7/21/2020 2:00 PM | -0.1 | 0.7 | 0.0  | -0.3 | 7.9 |
| 7/21/2020 2:06 PM | -0.1 | 0.7 | 0.1  | -0.3 | 5.6 |
| 7/21/2020 2:12 PM | -0.1 | 0.7 | 0.1  | -0.3 | 4.1 |
| 7/21/2020 2:18 PM | -0.1 | 0.7 | 0.1  | -0.3 | 4.2 |
| 7/21/2020 2:24 PM | -0.1 | 0.7 | 0.1  | -0.3 | 4.4 |
| 7/21/2020 2:30 PM | -0.1 | 0.7 | 0.0  | -0.3 | 4.5 |
| 7/21/2020 2:36 PM | -0.1 | 0.7 | 0.0  | -0.3 | 4.5 |
| 7/21/2020 2:42 PM | -0.1 | 0.8 | -0.1 | -0.3 | 4.4 |
| 7/21/2020 2:48 PM | -0.2 | 0.8 | -0.1 | -0.2 | 4.4 |
| 7/21/2020 2:54 PM | -0.2 | 0.7 | -0.2 | -0.3 | 4.5 |
| 7/21/2020 3:00 PM | -0.2 | 0.7 | -0.2 | -0.3 | 4.2 |
| 7/21/2020 3:06 PM | -0.1 | 0.7 | -0.2 | -0.3 | 3.0 |
| 7/21/2020 3:12 PM | -0.1 | 0.7 | -0.2 | -0.2 | 2.4 |
| 7/21/2020 3:18 PM | -0.1 | 0.7 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 3:24 PM | -0.2 | 0.7 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 3:30 PM | -0.2 | 0.7 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 3:36 PM | -0.2 | 0.7 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 3:42 PM | -0.2 | 0.7 | -0.2 | -0.2 | 2.6 |
| 7/21/2020 3:48 PM | -0.2 | 0.7 | -0.2 | -0.2 | 2.6 |
| 7/21/2020 3:54 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.6 |
| 7/21/2020 4:00 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.6 |
| 7/21/2020 4:06 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.6 |
| 7/21/2020 4:12 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 4:18 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 4:24 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 4:30 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 4:36 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 4:42 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 4:48 PM | -0.2 | 0.7 | -0.2 | -0.2 | 2.7 |
| 7/21/2020 4:54 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 5:00 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 5:06 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 5:12 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 5:18 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 5:24 PM | -0.2 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 5:30 PM | -0.2 | 0.8 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 5:36 PM | -0.2 | 0.8 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 5:42 PM | -0.3 | 0.8 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 5:48 PM | -0.3 | 0.8 | -0.3 | -0.2 | 2.6 |
| 7/21/2020 5:54 PM | -0.3 | 0.7 | -0.3 | -0.2 | 2.7 |
| 7/21/2020 6:00 PM | -0.3 | 0.7 | -0.2 | -0.2 | 2.7 |
| 7/21/2020 6:06 PM | -0.3 | 0.8 | -0.2 | -0.2 | 2.7 |
| 7/21/2020 6:12 PM | -0.3 | 0.8 | -0.2 | -0.2 | 2.8 |
| 7/21/2020 6:18 PM | -0.3 | 0.8 | -0.1 | -0.2 | 2.8 |
| 7/21/2020 6:24 PM | -0.3 | 0.8 | -0.1 | -0.2 | 2.7 |
| 7/21/2020 6:30 PM | -0.3 | 0.7 | -0.1 | -0.2 | 2.7 |
| 7/21/2020 6:36 PM | -0.3 | 0.7 | -0.1 | -0.2 | 2.7 |
| 7/21/2020 6:42 PM | -0.3 | 0.7 | -0.1 | -0.2 | 2.6 |
| 7/21/2020 6:48 PM | -0.3 | 0.7 | -0.1 | -0.2 | 2.6 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/21/2020 6:54 PM  | -0.3 | 0.8 | -0.2 | -0.2 | 2.6 |
| 7/21/2020 7:00 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.7 |
| 7/21/2020 7:06 PM  | -0.3 | 1.1 | -0.2 | -0.2 | 2.8 |
| 7/21/2020 7:12 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.8 |
| 7/21/2020 7:18 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.7 |
| 7/21/2020 7:24 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.7 |
| 7/21/2020 7:30 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.7 |
| 7/21/2020 7:36 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.7 |
| 7/21/2020 7:42 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.6 |
| 7/21/2020 7:48 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.6 |
| 7/21/2020 7:54 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.6 |
| 7/21/2020 8:00 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 8:06 PM  | -0.3 | 0.9 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 8:12 PM  | -0.3 | 0.9 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 8:18 PM  | -0.3 | 0.9 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 8:24 PM  | -0.3 | 0.9 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 8:30 PM  | -0.3 | 0.9 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 8:36 PM  | -0.3 | 0.9 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 8:42 PM  | -0.3 | 0.9 | -0.2 | -0.2 | 2.6 |
| 7/21/2020 8:48 PM  | -0.3 | 0.8 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 8:54 PM  | -0.3 | 1.1 | -0.2 | -0.2 | 2.7 |
| 7/21/2020 9:00 PM  | -0.3 | 1.2 | -0.2 | -0.2 | 2.9 |
| 7/21/2020 9:06 PM  | -0.3 | 1.1 | -0.2 | -0.2 | 2.9 |
| 7/21/2020 9:12 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.9 |
| 7/21/2020 9:18 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 3.0 |
| 7/21/2020 9:24 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 2.9 |
| 7/21/2020 9:30 PM  | -0.3 | 1.0 | -0.2 | -0.2 | 3.3 |
| 7/21/2020 9:36 PM  | -0.3 | 0.9 | -0.2 | -0.2 | 3.7 |
| 7/21/2020 9:42 PM  | -0.3 | 0.9 | -0.2 | -0.2 | 3.7 |
| 7/21/2020 9:48 PM  | -0.3 | 0.9 | -0.2 | -0.2 | 3.5 |
| 7/21/2020 9:54 PM  | -0.3 | 0.9 | -0.2 | -0.2 | 3.5 |
| 7/21/2020 10:00 PM | -0.3 | 0.9 | -0.2 | -0.2 | 3.5 |
| 7/21/2020 10:06 PM | -0.3 | 0.9 | -0.2 | -0.2 | 3.4 |
| 7/21/2020 10:12 PM | -0.3 | 0.9 | -0.2 | -0.2 | 3.4 |
| 7/21/2020 10:18 PM | -0.3 | 0.9 | -0.2 | -0.2 | 3.4 |
| 7/21/2020 10:24 PM | -0.3 | 0.9 | -0.2 | -0.2 | 3.4 |
| 7/21/2020 10:30 PM | -0.3 | 0.9 | -0.2 | -0.2 | 3.4 |
| 7/21/2020 10:36 PM | -0.3 | 1.0 | -0.2 | -0.2 | 3.4 |
| 7/21/2020 10:42 PM | -0.3 | 0.9 | -0.2 | -0.2 | 3.4 |
| 7/21/2020 10:48 PM | -0.3 | 0.9 | -0.2 | -0.2 | 3.4 |
| 7/21/2020 10:54 PM | -0.3 | 0.9 | -0.2 | -0.2 | 3.4 |
| 7/21/2020 11:00 PM | -0.3 | 1.0 | -0.2 | -0.2 | 3.5 |
| 7/21/2020 11:06 PM | -0.3 | 0.9 | -0.2 | -0.2 | 3.3 |
| 7/21/2020 11:12 PM | -0.3 | 0.9 | -0.2 | -0.2 | 3.3 |
| 7/21/2020 11:18 PM | -0.3 | 0.9 | -0.2 | -0.2 | 2.8 |
| 7/21/2020 11:24 PM | -0.3 | 0.8 | -0.2 | -0.2 | 2.4 |
| 7/21/2020 11:30 PM | -0.3 | 0.8 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 11:36 PM | -0.3 | 0.7 | -0.2 | -0.2 | 2.5 |
| 7/21/2020 11:42 PM | -0.3 | 0.7 | -0.2 | -0.2 | 2.4 |
| 7/21/2020 11:48 PM | -0.3 | 0.6 | -0.2 | -0.1 | 2.1 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/21/2020 11:54 PM | -0.3 | 0.7 | -0.3 | -0.2 | 2.1 |
| 7/22/2020 12:00 AM | -0.3 | 0.6 | -0.3 | -0.2 | 2.2 |
| 7/22/2020 12:06 AM | -0.3 | 0.6 | -0.3 | -0.1 | 2.2 |
| 7/22/2020 12:12 AM | -0.3 | 0.7 | -0.4 | -0.1 | 2.3 |
| 7/22/2020 12:18 AM | -0.2 | 0.7 | -0.6 | -0.1 | 2.2 |
| 7/22/2020 12:24 AM | -0.3 | 0.8 | -0.8 | -0.1 | 2.2 |
| 7/22/2020 12:30 AM | -0.3 | 0.8 | -0.8 | -0.1 | 2.3 |
| 7/22/2020 12:36 AM | -0.3 | 0.8 | -0.8 | -0.1 | 2.3 |
| 7/22/2020 12:42 AM | -0.3 | 0.8 | -0.8 | -0.1 | 2.4 |
| 7/22/2020 12:48 AM | -0.3 | 0.8 | -0.8 | -0.2 | 2.4 |
| 7/22/2020 12:54 AM | -0.3 | 1.1 | -0.8 | -0.2 | 2.9 |
| 7/22/2020 1:00 AM  | -0.3 | 1.6 | -0.8 | -0.2 | 4.0 |
| 7/22/2020 1:06 AM  | -0.3 | 1.5 | -0.7 | -0.2 | 4.1 |
| 7/22/2020 1:12 AM  | -0.3 | 1.3 | -0.7 | -0.2 | 3.8 |
| 7/22/2020 1:18 AM  | -0.3 | 1.2 | -0.7 | -0.2 | 3.7 |
| 7/22/2020 1:24 AM  | -0.3 | 0.9 | -0.6 | -0.2 | 3.0 |
| 7/22/2020 1:30 AM  | -0.3 | 0.7 | -0.6 | -0.2 | 2.4 |
| 7/22/2020 1:36 AM  | -0.3 | 0.7 | -0.5 | -0.2 | 2.5 |
| 7/22/2020 1:42 AM  | -0.3 | 0.8 | -0.5 | -0.2 | 2.5 |
| 7/22/2020 1:48 AM  | -0.3 | 0.8 | -0.5 | -0.2 | 2.5 |
| 7/22/2020 1:54 AM  | -0.3 | 0.7 | -0.4 | -0.2 | 2.5 |
| 7/22/2020 2:00 AM  | -0.3 | 0.8 | -0.4 | -0.2 | 2.5 |
| 7/22/2020 2:06 AM  | -0.3 | 0.8 | -0.4 | -0.2 | 2.5 |
| 7/22/2020 2:12 AM  | -0.3 | 0.7 | -0.3 | -0.2 | 2.6 |
| 7/22/2020 2:18 AM  | -0.3 | 0.7 | -0.3 | -0.2 | 2.6 |
| 7/22/2020 2:24 AM  | -0.3 | 0.7 | -0.3 | -0.2 | 2.6 |
| 7/22/2020 2:30 AM  | -0.3 | 0.7 | -0.3 | -0.2 | 2.5 |
| 7/22/2020 2:36 AM  | -0.3 | 0.6 | -0.3 | -0.2 | 2.5 |
| 7/22/2020 2:42 AM  | -0.3 | 0.6 | -0.3 | -0.2 | 2.5 |
| 7/22/2020 2:48 AM  | -0.3 | 0.6 | -0.3 | -0.2 | 2.5 |
| 7/22/2020 2:54 AM  | -0.3 | 0.7 | -0.3 | -0.2 | 2.5 |
| 7/22/2020 3:00 AM  | -0.3 | 1.0 | -0.3 | -0.2 | 1.5 |
| 7/22/2020 3:06 AM  | -0.3 | 1.2 | -0.3 | -0.2 | 0.4 |
| 7/22/2020 3:12 AM  | -0.3 | 1.2 | -0.3 | -0.2 | 0.4 |
| 7/22/2020 3:18 AM  | -0.3 | 1.1 | -0.3 | -0.2 | 0.4 |
| 7/22/2020 3:24 AM  | -0.3 | 1.1 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 3:30 AM  | -0.3 | 1.1 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 3:36 AM  | -0.3 | 1.1 | -0.2 | -0.2 | 0.4 |
| 7/22/2020 3:42 AM  | -0.3 | 1.2 | -0.2 | -0.2 | 0.4 |
| 7/22/2020 3:48 AM  | -0.3 | 1.1 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 3:54 AM  | -0.3 | 1.0 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 4:00 AM  | -0.3 | 1.0 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 4:06 AM  | -0.3 | 1.0 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 4:12 AM  | -0.3 | 1.0 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 4:18 AM  | -0.3 | 1.1 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 4:24 AM  | -0.3 | 1.2 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 4:30 AM  | -0.3 | 1.2 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 4:36 AM  | -0.3 | 1.1 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 4:42 AM  | -0.3 | 1.1 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 4:48 AM  | -0.3 | 1.3 | -0.2 | -0.2 | 0.3 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/22/2020 4:54 AM | -0.3 | 1.4 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 5:00 AM | -0.3 | 1.4 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 5:06 AM | -0.3 | 1.4 | -0.2 | -0.2 | 0.4 |
| 7/22/2020 5:12 AM | -0.3 | 1.4 | -0.2 | -0.2 | 0.3 |
| 7/22/2020 5:18 AM | -0.3 | 1.4 | -0.3 | -0.2 | 0.3 |
| 7/22/2020 5:24 AM | -0.3 | 1.4 | -0.3 | -0.2 | 0.3 |
| 7/22/2020 5:30 AM | -0.3 | 1.4 | -0.4 | -0.2 | 0.3 |
| 7/22/2020 5:36 AM | -0.3 | 1.4 | -0.4 | -0.2 | 0.3 |
| 7/22/2020 5:42 AM | -0.3 | 1.3 | -0.4 | -0.1 | 0.3 |
| 7/22/2020 5:48 AM | -0.3 | 1.3 | -0.4 | -0.1 | 0.3 |
| 7/22/2020 5:54 AM | -0.3 | 1.3 | -0.4 | -0.1 | 0.3 |
| 7/22/2020 6:00 AM | -0.3 | 1.3 | -0.4 | -0.1 | 0.3 |
| 7/22/2020 6:06 AM | -0.3 | 1.2 | -0.4 | -0.1 | 0.3 |
| 7/22/2020 6:12 AM | -0.3 | 1.3 | -0.4 | -0.1 | 0.3 |
| 7/22/2020 6:18 AM | -0.3 | 1.2 | -0.4 | -0.1 | 0.3 |
| 7/22/2020 6:24 AM | -0.3 | 1.2 | -0.4 | -0.2 | 0.3 |
| 7/22/2020 6:30 AM | -0.3 | 1.2 | -0.4 | -0.2 | 0.3 |
| 7/22/2020 6:36 AM | -0.3 | 1.2 | -0.4 | -0.2 | 0.3 |
| 7/22/2020 6:42 AM | -0.3 | 1.2 | -0.4 | -0.2 | 0.3 |
| 7/22/2020 6:48 AM | -0.3 | 1.3 | -0.5 | -0.2 | 0.3 |
| 7/22/2020 6:54 AM | -0.3 | 1.3 | -0.6 | -0.2 | 0.3 |
| 7/22/2020 7:00 AM | -0.3 | 1.3 | -0.7 | 7.6  | 0.3 |
| 7/22/2020 7:06 AM | -0.3 | 1.3 | -0.8 | 18.8 | 0.3 |
| 7/22/2020 7:12 AM | -0.3 | 1.2 | -0.8 | 16.0 | 0.3 |
| 7/22/2020 7:18 AM | -0.3 | 1.2 | -0.8 | 9.9  | 0.3 |
| 7/22/2020 7:24 AM | -0.3 | 1.2 | -0.7 | 8.3  | 0.3 |
| 7/22/2020 7:30 AM | -0.3 | 1.1 | -0.7 | 7.3  | 0.3 |
| 7/22/2020 7:36 AM | -0.3 | 1.0 | -0.7 | 4.8  | 0.3 |
| 7/22/2020 7:42 AM | -0.3 | 0.9 | -0.7 | 3.7  | 0.3 |
| 7/22/2020 7:48 AM | -0.3 | 0.9 | -0.7 | 3.5  | 0.3 |
| 7/22/2020 7:54 AM | -0.3 | 0.9 | -0.7 | 3.6  | 0.3 |
| 7/22/2020 8:00 AM | -0.3 | 0.9 | -0.7 | 3.6  | 0.3 |
| 7/22/2020 8:06 AM | -0.2 | 0.9 | -0.7 | 3.7  | 0.3 |
| 7/22/2020 8:12 AM | -0.2 | 0.9 | -0.7 | 3.8  | 0.3 |
| 7/22/2020 8:18 AM | -0.2 | 0.9 | -0.7 | 3.8  | 0.3 |
| 7/22/2020 8:24 AM | -0.2 | 0.8 | -0.7 | 3.7  | 0.3 |
| 7/22/2020 8:30 AM | -0.2 | 0.8 | -0.6 | 3.7  | 0.3 |
| 7/22/2020 8:36 AM | -0.2 | 0.8 | -0.5 | 3.5  | 0.3 |
| 7/22/2020 8:42 AM | -0.2 | 0.8 | -0.4 | 3.2  | 0.3 |
| 7/22/2020 8:48 AM | -0.2 | 0.8 | -0.3 | 2.9  | 0.3 |
| 7/22/2020 8:54 AM | -0.2 | 0.9 | -0.1 | 2.6  | 0.3 |
| 7/22/2020 9:00 AM | -0.2 | 0.9 | 0.0  | 2.5  | 0.3 |
| 7/22/2020 9:06 AM | -0.2 | 0.9 | 0.1  | 2.3  | 0.3 |
| 7/22/2020 9:12 AM | -0.2 | 0.9 | 0.1  | 2.2  | 0.3 |
| 7/22/2020 9:18 AM | -0.2 | 0.8 | 0.1  | 2.1  | 0.3 |
| 7/22/2020 9:24 AM | -0.2 | 0.8 | 0.1  | 2.0  | 0.3 |
| 7/22/2020 9:30 AM | -0.2 | 0.8 | 0.1  | 2.0  | 0.3 |
| 7/22/2020 9:36 AM | -0.1 | 0.8 | 0.1  | 1.9  | 0.3 |
| 7/22/2020 9:42 AM | -0.1 | 0.8 | 0.1  | 1.9  | 0.3 |
| 7/22/2020 9:48 AM | -0.1 | 0.8 | 0.1  | 1.9  | 0.3 |

|                    |      |     |      |      |      |
|--------------------|------|-----|------|------|------|
| 7/22/2020 9:54 AM  | -0.1 | 0.8 | 0.1  | 1.9  | 0.3  |
| 7/22/2020 10:00 AM | -0.1 | 0.8 | 0.1  | 2.0  | 0.3  |
| 7/22/2020 10:06 AM | -0.1 | 0.8 | 0.1  | 2.0  | 0.3  |
| 7/22/2020 10:12 AM | -0.1 | 0.8 | 0.1  | 2.1  | 0.3  |
| 7/22/2020 10:18 AM | -0.2 | 0.8 | 0.1  | 2.1  | 0.3  |
| 7/22/2020 10:24 AM | -0.2 | 0.8 | 0.1  | 2.0  | 0.3  |
| 7/22/2020 10:30 AM | -0.2 | 0.8 | 0.1  | 2.0  | 0.3  |
| 7/22/2020 10:36 AM | -0.2 | 0.8 | 0.1  | 2.0  | 0.3  |
| 7/22/2020 10:42 AM | -0.2 | 0.8 | 0.1  | 1.9  | 0.3  |
| 7/22/2020 10:48 AM | -0.2 | 0.8 | 0.0  | 2.0  | 0.3  |
| 7/22/2020 10:54 AM | -0.2 | 0.8 | 0.0  | 2.0  | 0.3  |
| 7/22/2020 11:00 AM | -0.2 | 0.8 | 0.0  | 2.0  | 0.3  |
| 7/22/2020 11:06 AM | -0.2 | 0.8 | 0.0  | 1.9  | 0.3  |
| 7/22/2020 11:12 AM | -0.2 | 0.8 | -0.1 | 1.9  | 0.3  |
| 7/22/2020 11:18 AM | -0.2 | 0.8 | -0.1 | 1.9  | 0.3  |
| 7/22/2020 11:24 AM | -0.2 | 0.8 | -0.1 | 1.9  | 0.3  |
| 7/22/2020 11:30 AM | -0.2 | 0.8 | -0.1 | 1.9  | 0.3  |
| 7/22/2020 11:36 AM | -0.2 | 0.8 | -0.1 | 1.9  | 0.3  |
| 7/22/2020 11:42 AM | -0.2 | 0.9 | -0.1 | 2.0  | 0.3  |
| 7/22/2020 11:48 AM | -0.2 | 0.9 | 0.0  | 2.1  | 0.3  |
| 7/22/2020 11:54 AM | -0.2 | 0.9 | 0.0  | 2.0  | 0.3  |
| 7/22/2020 12:00 PM | -0.2 | 0.8 | 0.0  | 1.9  | 0.3  |
| 7/22/2020 12:06 PM | -0.1 | 0.8 | 0.0  | 1.9  | 0.2  |
| 7/22/2020 12:12 PM | -0.1 | 0.8 | 0.1  | 1.9  | 0.2  |
| 7/22/2020 12:18 PM | -0.1 | 0.8 | 0.0  | 1.9  | 0.2  |
| 7/22/2020 12:24 PM | -0.1 | 0.8 | 0.0  | 1.9  | 0.8  |
| 7/22/2020 12:30 PM | -0.1 | 0.8 | 0.0  | 1.9  | 6.6  |
| 7/22/2020 12:36 PM | -0.1 | 0.6 | -0.1 | 1.6  | 3.6  |
| 7/22/2020 12:42 PM | -0.1 | 0.5 | -0.1 | 0.8  | 0.2  |
| 7/22/2020 12:48 PM | -0.1 | 0.5 | -0.1 | -0.2 | 13.5 |
| 7/22/2020 12:54 PM | -0.1 | 0.5 | -0.1 | -0.5 | 15.3 |
| 7/22/2020 1:00 PM  | -0.1 | 0.5 | -0.1 | -0.5 | 8.6  |
| 7/22/2020 1:06 PM  | -0.1 | 1.0 | 0.0  | 6.3  | 5.0  |
| 7/22/2020 1:12 PM  | -0.1 | 1.5 | 0.0  | 10.1 | 0.3  |
| 7/22/2020 1:18 PM  | -0.1 | 1.3 | 0.0  | 4.6  | 0.2  |
| 7/22/2020 1:24 PM  | -0.1 | 1.2 | 0.0  | 3.3  | 0.2  |
| 7/22/2020 1:30 PM  | -0.1 | 1.1 | 0.0  | 3.0  | 0.2  |
| 7/22/2020 1:36 PM  | -0.1 | 1.1 | -0.1 | 2.8  | 0.2  |
| 7/22/2020 1:42 PM  | -0.1 | 1.0 | -0.1 | 2.8  | 0.2  |
| 7/22/2020 1:48 PM  | -0.1 | 1.0 | -0.1 | 2.8  | 0.2  |
| 7/22/2020 1:54 PM  | 0.0  | 1.0 | -0.1 | 2.7  | 0.2  |
| 7/22/2020 2:00 PM  | 0.0  | 1.0 | -0.1 | 2.6  | 0.2  |
| 7/22/2020 2:06 PM  | 0.0  | 1.0 | -0.2 | 2.7  | 0.2  |
| 7/22/2020 2:12 PM  | 0.0  | 1.1 | -0.3 | 2.6  | 0.2  |
| 7/22/2020 2:18 PM  | -0.1 | 1.1 | -0.3 | 2.5  | 0.2  |
| 7/22/2020 2:24 PM  | -0.1 | 1.1 | -0.3 | 2.5  | 0.2  |
| 7/22/2020 2:30 PM  | -0.1 | 1.1 | -0.3 | 2.6  | 0.2  |
| 7/22/2020 2:36 PM  | -0.1 | 1.1 | -0.3 | 2.7  | 0.2  |
| 7/22/2020 2:42 PM  | -0.1 | 1.1 | -0.3 | 2.7  | 0.2  |
| 7/22/2020 2:48 PM  | -0.1 | 1.1 | -0.4 | 2.6  | 0.2  |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/22/2020 2:54 PM | -0.1 | 1.1 | -0.4 | 2.5  | 0.2 |
| 7/22/2020 3:00 PM | -0.1 | 1.1 | -0.4 | 2.6  | 0.2 |
| 7/22/2020 3:06 PM | -0.1 | 1.1 | -0.4 | 2.6  | 0.2 |
| 7/22/2020 3:12 PM | -0.1 | 1.0 | -0.4 | 2.6  | 0.2 |
| 7/22/2020 3:18 PM | -0.1 | 1.0 | -0.4 | 2.6  | 0.1 |
| 7/22/2020 3:24 PM | -0.1 | 1.2 | -0.3 | 2.6  | 0.1 |
| 7/22/2020 3:30 PM | -0.1 | 1.3 | -0.4 | 2.6  | 0.1 |
| 7/22/2020 3:36 PM | -0.1 | 1.3 | -0.4 | 2.7  | 0.2 |
| 7/22/2020 3:42 PM | -0.1 | 1.3 | -0.4 | 2.6  | 0.1 |
| 7/22/2020 3:48 PM | -0.1 | 1.3 | -0.4 | 2.6  | 0.2 |
| 7/22/2020 3:54 PM | -0.1 | 1.2 | -0.4 | 2.5  | 0.2 |
| 7/22/2020 4:00 PM | -0.1 | 1.2 | -0.4 | 2.4  | 0.2 |
| 7/22/2020 4:06 PM | -0.1 | 1.2 | -0.4 | 2.4  | 0.2 |
| 7/22/2020 4:12 PM | -0.1 | 1.2 | -0.4 | 2.3  | 0.2 |
| 7/22/2020 4:18 PM | -0.1 | 1.2 | -0.4 | 2.3  | 0.2 |
| 7/22/2020 4:24 PM | -0.1 | 1.2 | -0.4 | 2.2  | 0.2 |
| 7/22/2020 4:30 PM | -0.1 | 1.2 | -0.4 | 2.1  | 0.2 |
| 7/22/2020 4:36 PM | -0.1 | 1.2 | -0.4 | 2.1  | 0.1 |
| 7/22/2020 4:42 PM | -0.1 | 1.2 | -0.4 | 2.1  | 0.1 |
| 7/22/2020 4:48 PM | -0.1 | 1.2 | -0.4 | 2.1  | 0.2 |
| 7/22/2020 4:54 PM | -0.1 | 1.2 | -0.4 | 2.1  | 0.2 |
| 7/22/2020 5:00 PM | -0.1 | 1.2 | -0.4 | 1.9  | 0.2 |
| 7/22/2020 5:06 PM | -0.1 | 1.1 | -0.4 | 1.7  | 0.2 |
| 7/22/2020 5:12 PM | -0.1 | 0.9 | -0.4 | 1.7  | 0.2 |
| 7/22/2020 5:18 PM | -0.1 | 1.0 | -0.4 | 1.8  | 0.2 |
| 7/22/2020 5:24 PM | -0.1 | 1.0 | -0.5 | 1.8  | 0.2 |
| 7/22/2020 5:30 PM | -0.1 | 1.0 | -0.5 | 1.9  | 0.2 |
| 7/22/2020 5:36 PM | -0.1 | 0.9 | -0.6 | 2.0  | 0.2 |
| 7/22/2020 5:42 PM | -0.1 | 0.9 | -0.7 | 2.1  | 0.1 |
| 7/22/2020 5:48 PM | -0.1 | 0.9 | -0.6 | 2.1  | 0.1 |
| 7/22/2020 5:54 PM | -0.2 | 0.9 | -0.6 | 2.0  | 0.1 |
| 7/22/2020 6:00 PM | -0.2 | 0.8 | -0.6 | 1.9  | 0.1 |
| 7/22/2020 6:06 PM | -0.1 | 0.8 | -0.4 | 1.9  | 0.1 |
| 7/22/2020 6:12 PM | -0.1 | 1.8 | -0.3 | 5.1  | 0.2 |
| 7/22/2020 6:18 PM | 0.0  | 3.0 | -0.2 | 10.1 | 0.3 |
| 7/22/2020 6:24 PM | -0.1 | 3.3 | -0.3 | 10.8 | 0.3 |
| 7/22/2020 6:30 PM | -0.1 | 3.1 | -0.4 | 10.1 | 0.3 |
| 7/22/2020 6:36 PM | -0.2 | 2.9 | -0.5 | 9.8  | 0.3 |
| 7/22/2020 6:42 PM | -0.2 | 2.8 | -0.5 | 9.8  | 0.2 |
| 7/22/2020 6:48 PM | -0.2 | 2.7 | -0.6 | 9.9  | 0.2 |
| 7/22/2020 6:54 PM | -0.3 | 2.6 | -0.6 | 9.7  | 0.3 |
| 7/22/2020 7:00 PM | -0.2 | 2.4 | -0.7 | 10.0 | 0.3 |
| 7/22/2020 7:06 PM | -0.2 | 2.4 | -0.7 | 9.9  | 0.3 |
| 7/22/2020 7:12 PM | -0.2 | 2.3 | -0.7 | 9.5  | 0.3 |
| 7/22/2020 7:18 PM | -0.2 | 2.6 | -0.7 | 9.5  | 0.3 |
| 7/22/2020 7:24 PM | -0.2 | 2.8 | -0.7 | 9.8  | 0.3 |
| 7/22/2020 7:30 PM | -0.3 | 2.9 | -0.7 | 10.0 | 0.3 |
| 7/22/2020 7:36 PM | -0.3 | 2.8 | -0.7 | 10.2 | 0.3 |
| 7/22/2020 7:42 PM | -0.3 | 2.7 | -0.7 | 10.6 | 0.3 |
| 7/22/2020 7:48 PM | -0.3 | 2.5 | -0.7 | 10.2 | 0.2 |



|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/22/2020 7:54 PM  | -0.3 | 2.5 | -0.6 | 10.0 | 0.2 |
| 7/22/2020 8:00 PM  | -0.3 | 2.5 | -0.6 | 10.4 | 0.2 |
| 7/22/2020 8:06 PM  | -0.3 | 2.6 | -0.6 | 10.9 | 0.2 |
| 7/22/2020 8:12 PM  | -0.3 | 2.7 | -0.6 | 11.2 | 0.2 |
| 7/22/2020 8:18 PM  | -0.3 | 2.9 | -0.6 | 11.3 | 0.2 |
| 7/22/2020 8:24 PM  | -0.3 | 3.1 | -0.6 | 11.1 | 0.2 |
| 7/22/2020 8:30 PM  | -0.3 | 3.1 | -0.5 | 11.2 | 0.2 |
| 7/22/2020 8:36 PM  | -0.3 | 2.8 | -0.5 | 11.1 | 0.2 |
| 7/22/2020 8:42 PM  | -0.3 | 2.5 | -0.4 | 10.8 | 0.2 |
| 7/22/2020 8:48 PM  | -0.3 | 2.4 | -0.4 | 10.6 | 0.2 |
| 7/22/2020 8:54 PM  | -0.3 | 2.4 | -0.3 | 10.6 | 0.2 |
| 7/22/2020 9:00 PM  | -0.3 | 2.5 | -0.3 | 10.6 | 0.2 |
| 7/22/2020 9:06 PM  | -0.3 | 2.8 | -0.2 | 10.6 | 0.2 |
| 7/22/2020 9:12 PM  | -0.3 | 2.9 | -0.2 | 10.9 | 0.2 |
| 7/22/2020 9:18 PM  | -0.3 | 2.7 | -0.2 | 11.2 | 0.2 |
| 7/22/2020 9:24 PM  | -0.2 | 2.7 | -0.2 | 11.3 | 0.2 |
| 7/22/2020 9:30 PM  | -0.2 | 2.8 | -0.1 | 11.3 | 0.2 |
| 7/22/2020 9:36 PM  | -0.2 | 2.9 | -0.1 | 10.9 | 0.2 |
| 7/22/2020 9:42 PM  | -0.2 | 3.0 | -0.1 | 10.6 | 0.2 |
| 7/22/2020 9:48 PM  | -0.2 | 3.0 | -0.1 | 11.0 | 0.2 |
| 7/22/2020 9:54 PM  | -0.2 | 2.8 | -0.1 | 11.0 | 0.2 |
| 7/22/2020 10:00 PM | -0.2 | 2.7 | -0.1 | 10.5 | 0.2 |
| 7/22/2020 10:06 PM | -0.2 | 2.8 | -0.1 | 10.3 | 0.2 |
| 7/22/2020 10:12 PM | -0.2 | 2.8 | -0.1 | 10.6 | 0.2 |
| 7/22/2020 10:18 PM | -0.2 | 2.6 | -0.1 | 10.4 | 0.2 |
| 7/22/2020 10:24 PM | -0.2 | 2.4 | -0.1 | 10.4 | 0.2 |
| 7/22/2020 10:30 PM | -0.2 | 2.3 | 0.0  | 10.8 | 0.2 |
| 7/22/2020 10:36 PM | -0.2 | 2.3 | 0.0  | 11.3 | 0.2 |
| 7/22/2020 10:42 PM | -0.2 | 2.4 | 0.0  | 11.7 | 0.2 |
| 7/22/2020 10:48 PM | -0.2 | 2.4 | 0.0  | 11.5 | 0.2 |
| 7/22/2020 10:54 PM | -0.2 | 2.5 | 0.0  | 11.5 | 0.2 |
| 7/22/2020 11:00 PM | -0.2 | 2.8 | 0.0  | 11.7 | 0.2 |
| 7/22/2020 11:06 PM | -0.2 | 3.0 | 0.0  | 11.1 | 0.2 |
| 7/22/2020 11:12 PM | -0.2 | 3.0 | 0.0  | 10.9 | 0.2 |
| 7/22/2020 11:18 PM | -0.2 | 2.9 | 0.0  | 11.0 | 0.2 |
| 7/22/2020 11:24 PM | -0.2 | 2.8 | 0.1  | 11.4 | 0.2 |
| 7/22/2020 11:30 PM | -0.2 | 2.8 | 0.1  | 10.9 | 0.2 |
| 7/22/2020 11:36 PM | -0.2 | 2.8 | 0.1  | 10.3 | 0.2 |
| 7/22/2020 11:42 PM | -0.2 | 2.8 | 0.1  | 10.7 | 0.2 |
| 7/22/2020 11:48 PM | -0.2 | 2.8 | 0.1  | 11.0 | 0.2 |
| 7/22/2020 11:54 PM | -0.2 | 2.8 | 0.1  | 11.1 | 0.2 |
| 7/23/2020 12:00 AM | -0.2 | 2.8 | 0.1  | 10.8 | 0.2 |
| 7/23/2020 12:06 AM | -0.2 | 2.8 | 0.1  | 10.5 | 0.2 |
| 7/23/2020 12:12 AM | -0.2 | 2.9 | 0.1  | 10.6 | 0.2 |
| 7/23/2020 12:18 AM | -0.2 | 2.8 | 0.1  | 10.8 | 0.2 |
| 7/23/2020 12:24 AM | -0.2 | 2.8 | 0.1  | 11.1 | 0.2 |
| 7/23/2020 12:30 AM | -0.2 | 2.8 | 0.0  | 11.4 | 0.2 |
| 7/23/2020 12:36 AM | -0.2 | 2.8 | 0.0  | 11.5 | 0.2 |
| 7/23/2020 12:42 AM | -0.2 | 2.8 | 0.0  | 11.2 | 0.2 |
| 7/23/2020 12:48 AM | -0.2 | 2.9 | 0.0  | 11.0 | 0.2 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/23/2020 12:54 AM | -0.2 | 3.1 | 0.0  | 11.1 | 0.2 |
| 7/23/2020 1:00 AM  | -0.2 | 3.1 | 0.0  | 11.0 | 0.2 |
| 7/23/2020 1:06 AM  | -0.2 | 3.1 | 0.0  | 10.7 | 0.2 |
| 7/23/2020 1:12 AM  | -0.2 | 3.0 | 0.0  | 10.7 | 0.2 |
| 7/23/2020 1:18 AM  | -0.2 | 3.0 | 0.0  | 10.8 | 0.2 |
| 7/23/2020 1:24 AM  | -0.2 | 3.0 | 0.0  | 10.8 | 0.2 |
| 7/23/2020 1:30 AM  | -0.2 | 2.9 | 0.0  | 10.7 | 0.2 |
| 7/23/2020 1:36 AM  | -0.2 | 2.9 | 0.0  | 10.8 | 0.2 |
| 7/23/2020 1:42 AM  | -0.2 | 3.0 | 0.0  | 10.6 | 0.2 |
| 7/23/2020 1:48 AM  | -0.2 | 2.9 | 0.0  | 11.2 | 0.2 |
| 7/23/2020 1:54 AM  | -0.2 | 2.9 | 0.0  | 11.7 | 0.2 |
| 7/23/2020 2:00 AM  | -0.2 | 2.9 | -0.1 | 11.5 | 0.2 |
| 7/23/2020 2:06 AM  | -0.2 | 2.9 | -0.1 | 10.8 | 0.2 |
| 7/23/2020 2:12 AM  | -0.2 | 2.9 | -0.1 | 10.3 | 0.2 |
| 7/23/2020 2:18 AM  | -0.2 | 2.9 | 0.0  | 10.4 | 0.2 |
| 7/23/2020 2:24 AM  | -0.2 | 3.0 | 0.0  | 10.3 | 0.2 |
| 7/23/2020 2:30 AM  | -0.2 | 3.0 | 0.0  | 10.0 | 0.2 |
| 7/23/2020 2:36 AM  | -0.2 | 3.0 | 0.0  | 9.9  | 0.2 |
| 7/23/2020 2:42 AM  | -0.2 | 3.0 | 0.0  | 10.1 | 0.2 |
| 7/23/2020 2:48 AM  | -0.2 | 2.9 | 0.0  | 10.2 | 0.2 |
| 7/23/2020 2:54 AM  | -0.2 | 2.9 | 0.0  | 10.1 | 0.2 |
| 7/23/2020 3:00 AM  | -0.1 | 2.9 | 0.0  | 10.3 | 0.2 |
| 7/23/2020 3:06 AM  | -0.1 | 3.0 | 0.0  | 10.6 | 0.2 |
| 7/23/2020 3:12 AM  | -0.2 | 3.0 | 0.0  | 10.8 | 0.2 |
| 7/23/2020 3:18 AM  | -0.2 | 3.0 | 0.0  | 10.5 | 0.2 |
| 7/23/2020 3:24 AM  | -0.2 | 3.1 | 0.0  | 9.8  | 0.2 |
| 7/23/2020 3:30 AM  | -0.2 | 3.0 | 0.0  | 9.7  | 0.2 |
| 7/23/2020 3:36 AM  | -0.2 | 2.9 | 0.0  | 9.8  | 0.2 |
| 7/23/2020 3:42 AM  | -0.2 | 2.9 | 0.0  | 9.6  | 0.2 |
| 7/23/2020 3:48 AM  | -0.2 | 3.0 | 0.0  | 9.8  | 0.2 |
| 7/23/2020 3:54 AM  | -0.2 | 3.0 | 0.0  | 10.2 | 0.2 |
| 7/23/2020 4:00 AM  | -0.2 | 2.9 | 0.0  | 9.9  | 0.2 |
| 7/23/2020 4:06 AM  | -0.2 | 2.9 | 0.0  | 9.6  | 0.2 |
| 7/23/2020 4:12 AM  | -0.2 | 2.9 | 0.0  | 9.4  | 0.2 |
| 7/23/2020 4:18 AM  | -0.2 | 2.9 | 0.0  | 9.3  | 0.2 |
| 7/23/2020 4:24 AM  | -0.2 | 2.8 | -0.1 | 9.4  | 0.2 |
| 7/23/2020 4:30 AM  | -0.2 | 2.8 | -0.1 | 9.5  | 0.2 |
| 7/23/2020 4:36 AM  | -0.2 | 2.8 | -0.1 | 9.7  | 0.2 |
| 7/23/2020 4:42 AM  | -0.2 | 2.8 | -0.1 | 9.8  | 0.2 |
| 7/23/2020 4:48 AM  | -0.2 | 2.8 | -0.1 | 9.9  | 0.2 |
| 7/23/2020 4:54 AM  | -0.2 | 2.8 | -0.1 | 10.2 | 0.2 |
| 7/23/2020 5:00 AM  | -0.2 | 2.7 | -0.2 | 10.5 | 0.2 |
| 7/23/2020 5:06 AM  | -0.2 | 2.6 | -0.2 | 10.5 | 0.2 |
| 7/23/2020 5:12 AM  | -0.2 | 2.6 | -0.2 | 10.5 | 0.2 |
| 7/23/2020 5:18 AM  | -0.2 | 2.7 | -0.2 | 10.6 | 0.2 |
| 7/23/2020 5:24 AM  | -0.2 | 2.7 | -0.2 | 10.5 | 0.2 |
| 7/23/2020 5:30 AM  | -0.2 | 2.7 | -0.2 | 10.4 | 0.2 |
| 7/23/2020 5:36 AM  | -0.2 | 2.8 | -0.2 | 10.2 | 0.2 |
| 7/23/2020 5:42 AM  | -0.2 | 2.8 | -0.2 | 9.9  | 0.2 |
| 7/23/2020 5:48 AM  | -0.2 | 2.7 | -0.3 | 9.9  | 0.2 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/23/2020 5:54 AM  | -0.2 | 2.6 | -0.3 | 10.4 | 0.2 |
| 7/23/2020 6:00 AM  | -0.2 | 2.6 | -0.3 | 10.4 | 0.2 |
| 7/23/2020 6:06 AM  | -0.2 | 2.5 | -0.3 | 10.1 | 0.2 |
| 7/23/2020 6:12 AM  | -0.2 | 2.5 | -0.3 | 9.7  | 0.2 |
| 7/23/2020 6:18 AM  | -0.2 | 2.6 | -0.3 | 9.4  | 0.2 |
| 7/23/2020 6:24 AM  | -0.2 | 2.6 | -0.3 | 9.3  | 0.2 |
| 7/23/2020 6:30 AM  | -0.2 | 2.5 | -0.3 | 9.4  | 0.2 |
| 7/23/2020 6:36 AM  | -0.2 | 2.3 | -0.3 | 9.4  | 0.2 |
| 7/23/2020 6:42 AM  | -0.2 | 1.4 | -0.3 | 5.1  | 0.2 |
| 7/23/2020 6:48 AM  | -0.2 | 0.3 | -0.3 | 0.8  | 0.2 |
| 7/23/2020 6:54 AM  | -0.2 | 0.4 | -0.4 | 0.9  | 0.2 |
| 7/23/2020 7:00 AM  | -0.2 | 0.5 | -0.4 | 1.0  | 0.2 |
| 7/23/2020 7:06 AM  | -0.2 | 0.5 | -0.4 | 1.0  | 0.2 |
| 7/23/2020 7:12 AM  | -0.2 | 0.6 | -0.4 | 1.1  | 0.2 |
| 7/23/2020 7:18 AM  | -0.2 | 0.7 | -0.5 | 1.1  | 0.2 |
| 7/23/2020 7:24 AM  | -0.2 | 0.9 | -0.6 | 1.1  | 0.2 |
| 7/23/2020 7:30 AM  | -0.2 | 0.8 | -0.6 | 1.2  | 0.2 |
| 7/23/2020 7:36 AM  | -0.2 | 0.8 | -0.7 | 1.4  | 0.2 |
| 7/23/2020 7:42 AM  | -0.2 | 0.8 | -0.8 | 1.4  | 0.2 |
| 7/23/2020 7:48 AM  | -0.2 | 0.8 | -0.8 | 1.4  | 0.2 |
| 7/23/2020 7:54 AM  | -0.2 | 0.8 | -0.9 | 1.4  | 0.2 |
| 7/23/2020 8:00 AM  | -0.2 | 0.7 | -0.9 | 1.5  | 0.2 |
| 7/23/2020 8:06 AM  | -0.2 | 0.7 | -0.9 | 1.5  | 0.2 |
| 7/23/2020 8:12 AM  | -0.2 | 0.8 | -0.8 | 1.5  | 0.2 |
| 7/23/2020 8:18 AM  | -0.2 | 0.8 | -0.7 | 1.5  | 0.2 |
| 7/23/2020 8:24 AM  | -0.2 | 0.7 | -0.7 | 1.5  | 0.2 |
| 7/23/2020 8:30 AM  | -0.2 | 0.7 | -0.7 | 1.6  | 0.2 |
| 7/23/2020 8:36 AM  | -0.1 | 0.7 | -0.8 | 1.5  | 0.2 |
| 7/23/2020 8:42 AM  | -0.1 | 0.7 | -0.8 | 1.5  | 0.2 |
| 7/23/2020 8:48 AM  | -0.1 | 0.7 | -0.7 | 1.5  | 0.2 |
| 7/23/2020 8:54 AM  | -0.1 | 0.6 | -0.6 | 1.6  | 0.2 |
| 7/23/2020 9:00 AM  | -0.1 | 0.6 | -0.6 | 1.6  | 0.2 |
| 7/23/2020 9:06 AM  | -0.1 | 0.7 | -0.6 | 1.7  | 0.2 |
| 7/23/2020 9:12 AM  | -0.1 | 1.1 | -0.5 | 2.2  | 0.2 |
| 7/23/2020 9:18 AM  | -0.1 | 1.3 | -0.5 | 2.9  | 0.2 |
| 7/23/2020 9:24 AM  | -0.1 | 1.2 | -0.5 | 3.4  | 0.2 |
| 7/23/2020 9:30 AM  | -0.1 | 1.2 | -0.4 | 5.5  | 0.2 |
| 7/23/2020 9:36 AM  | -0.1 | 1.1 | -0.3 | 7.0  | 0.2 |
| 7/23/2020 9:42 AM  | -0.1 | 1.1 | -0.3 | 6.8  | 0.2 |
| 7/23/2020 9:48 AM  | -0.1 | 2.8 | -0.2 | 10.3 | 0.2 |
| 7/23/2020 9:54 AM  | -0.1 | 3.7 | -0.2 | 12.2 | 0.2 |
| 7/23/2020 10:00 AM | -0.1 | 3.0 | -0.2 | 11.3 | 0.2 |
| 7/23/2020 10:06 AM | -0.1 | 2.8 | -0.2 | 11.7 | 0.2 |
| 7/23/2020 10:12 AM | -0.1 | 2.6 | -0.2 | 10.8 | 0.2 |
| 7/23/2020 10:18 AM | -0.1 | 2.1 | -0.2 | 9.3  | 0.2 |
| 7/23/2020 10:24 AM | -0.1 | 1.3 | -0.2 | 4.2  | 0.2 |
| 7/23/2020 10:30 AM | -0.1 | 0.9 | -0.2 | 1.3  | 0.2 |
| 7/23/2020 10:36 AM | -0.1 | 1.0 | -0.2 | 1.5  | 0.2 |
| 7/23/2020 10:42 AM | -0.1 | 1.1 | -0.2 | 1.6  | 0.2 |
| 7/23/2020 10:48 AM | -0.1 | 1.1 | -0.2 | 1.7  | 0.2 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/23/2020 10:54 AM | -0.1 | 1.1 | -0.2 | 1.9  | 0.2 |
| 7/23/2020 11:00 AM | -0.1 | 1.1 | -0.3 | 1.9  | 0.2 |
| 7/23/2020 11:06 AM | -0.1 | 1.1 | -0.3 | 1.9  | 0.2 |
| 7/23/2020 11:12 AM | -0.1 | 1.5 | -0.3 | 5.1  | 0.2 |
| 7/23/2020 11:18 AM | -0.1 | 1.7 | -0.4 | 7.7  | 0.2 |
| 7/23/2020 11:24 AM | -0.1 | 1.3 | -0.4 | 6.9  | 0.2 |
| 7/23/2020 11:30 AM | -0.1 | 1.1 | -0.4 | 6.7  | 0.2 |
| 7/23/2020 11:36 AM | -0.1 | 1.1 | -0.4 | 6.6  | 0.2 |
| 7/23/2020 11:42 AM | -0.1 | 0.9 | -0.3 | 3.9  | 0.2 |
| 7/23/2020 11:48 AM | -0.1 | 0.7 | -0.3 | 1.9  | 0.2 |
| 7/23/2020 11:54 AM | -0.1 | 0.8 | -0.2 | 2.1  | 0.2 |
| 7/23/2020 12:00 PM | -0.2 | 0.8 | -0.1 | 2.1  | 0.2 |
| 7/23/2020 12:06 PM | -0.4 | 0.7 | -0.1 | 2.0  | 0.0 |
| 7/23/2020 12:12 PM | -0.4 | 0.7 | -0.1 | 2.1  | 0.0 |
| 7/23/2020 12:18 PM | -0.4 | 0.7 | -0.1 | 2.2  | 0.0 |
| 7/23/2020 12:24 PM | -0.4 | 0.7 | -0.2 | 2.2  | 0.0 |
| 7/23/2020 12:30 PM | -0.4 | 0.7 | -0.2 | 2.2  | 0.0 |
| 7/23/2020 12:36 PM | -0.4 | 1.0 | -0.3 | 2.2  | 0.0 |
| 7/23/2020 12:42 PM | -0.4 | 1.2 | -0.3 | 2.2  | 0.0 |
| 7/23/2020 12:48 PM | -0.4 | 1.1 | -0.4 | 2.2  | 0.0 |
| 7/23/2020 12:54 PM | -0.4 | 1.0 | -0.3 | 2.3  | 0.0 |
| 7/23/2020 1:00 PM  | -0.4 | 0.9 | -0.3 | 2.3  | 0.0 |
| 7/23/2020 1:06 PM  | -0.4 | 0.9 | -0.2 | 2.3  | 0.0 |
| 7/23/2020 1:12 PM  | -0.4 | 0.9 | -0.1 | 2.2  | 0.0 |
| 7/23/2020 1:18 PM  | -0.4 | 0.9 | 0.0  | 2.3  | 0.0 |
| 7/23/2020 1:24 PM  | -0.4 | 1.0 | -0.1 | 2.3  | 0.0 |
| 7/23/2020 1:30 PM  | -0.4 | 1.0 | -0.1 | 2.3  | 0.0 |
| 7/23/2020 1:36 PM  | -0.4 | 1.0 | -0.2 | 2.5  | 0.0 |
| 7/23/2020 1:42 PM  | -0.4 | 1.0 | -0.2 | 2.5  | 0.0 |
| 7/23/2020 1:48 PM  | -0.4 | 1.1 | -0.2 | 2.5  | 0.0 |
| 7/23/2020 1:54 PM  | -0.4 | 1.1 | -0.3 | 2.5  | 0.0 |
| 7/23/2020 2:00 PM  | -0.4 | 1.3 | -0.3 | 7.0  | 0.0 |
| 7/23/2020 2:06 PM  | -0.4 | 1.3 | -0.4 | 10.3 | 0.0 |
| 7/23/2020 2:12 PM  | -0.4 | 1.3 | -0.4 | 8.5  | 0.0 |
| 7/23/2020 2:18 PM  | -0.4 | 1.2 | -0.4 | 8.4  | 0.0 |
| 7/23/2020 2:24 PM  | -0.4 | 1.2 | -0.4 | 8.4  | 0.0 |
| 7/23/2020 2:30 PM  | -0.4 | 1.1 | -0.4 | 6.1  | 0.0 |
| 7/23/2020 2:36 PM  | -0.4 | 0.9 | -0.4 | 2.2  | 0.0 |
| 7/23/2020 2:42 PM  | -0.4 | 0.8 | -0.5 | 1.3  | 0.0 |
| 7/23/2020 2:48 PM  | -0.4 | 0.8 | -0.5 | 1.4  | 0.0 |
| 7/23/2020 2:54 PM  | -0.4 | 0.8 | -0.5 | 1.5  | 0.0 |
| 7/23/2020 3:00 PM  | -0.4 | 0.8 | -0.5 | 1.5  | 0.0 |
| 7/23/2020 3:06 PM  | -0.4 | 0.9 | -0.5 | 1.9  | 0.0 |
| 7/23/2020 3:12 PM  | -0.4 | 1.1 | -0.5 | 3.4  | 0.0 |
| 7/23/2020 3:18 PM  | -0.4 | 1.1 | -0.5 | 3.9  | 0.0 |
| 7/23/2020 3:24 PM  | -0.4 | 1.0 | -0.5 | 3.7  | 0.0 |
| 7/23/2020 3:30 PM  | -0.4 | 1.0 | -0.6 | 3.7  | 0.0 |
| 7/23/2020 3:36 PM  | -0.4 | 1.0 | -0.6 | 3.8  | 0.0 |
| 7/23/2020 3:42 PM  | -0.4 | 1.0 | -0.6 | 3.9  | 0.0 |
| 7/23/2020 3:48 PM  | -0.4 | 1.0 | -0.6 | 4.0  | 0.0 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 7/23/2020 3:54 PM | -0.4 | 0.9 | -0.6 | 3.9 | 0.0 |
| 7/23/2020 4:00 PM | -0.4 | 1.0 | -0.6 | 3.8 | 0.0 |
| 7/23/2020 4:06 PM | -0.4 | 1.0 | -0.6 | 3.7 | 0.0 |
| 7/23/2020 4:12 PM | -0.4 | 1.0 | -0.6 | 3.7 | 0.0 |
| 7/23/2020 4:18 PM | -0.4 | 1.0 | -0.6 | 3.7 | 0.0 |
| 7/23/2020 4:24 PM | -0.4 | 1.0 | -0.6 | 3.8 | 0.0 |
| 7/23/2020 4:30 PM | -0.4 | 1.1 | -0.6 | 3.9 | 0.0 |
| 7/23/2020 4:36 PM | -0.4 | 1.1 | -0.6 | 4.0 | 0.0 |
| 7/23/2020 4:42 PM | -0.4 | 1.0 | -0.6 | 3.9 | 0.0 |
| 7/23/2020 4:48 PM | -0.4 | 0.9 | -0.6 | 3.9 | 0.0 |
| 7/23/2020 4:54 PM | -0.4 | 1.1 | -0.6 | 4.1 | 0.0 |
| 7/23/2020 5:00 PM | -0.4 | 1.6 | -0.6 | 5.8 | 0.0 |
| 7/23/2020 5:06 PM | -0.4 | 1.8 | -0.6 | 6.9 | 0.0 |
| 7/23/2020 5:12 PM | -0.4 | 1.7 | -0.6 | 7.1 | 0.0 |
| 7/23/2020 5:18 PM | -0.4 | 1.6 | -0.6 | 7.1 | 0.0 |
| 7/23/2020 5:24 PM | -0.4 | 1.5 | -0.6 | 6.4 | 0.0 |
| 7/23/2020 5:30 PM | -0.4 | 1.1 | -0.6 | 4.4 | 0.0 |
| 7/23/2020 5:36 PM | -0.4 | 0.9 | -0.6 | 2.6 | 0.0 |
| 7/23/2020 5:42 PM | -0.4 | 0.9 | -0.6 | 2.5 | 0.0 |
| 7/23/2020 5:48 PM | -0.4 | 0.9 | -0.6 | 2.7 | 0.0 |
| 7/23/2020 5:54 PM | -0.4 | 0.9 | -0.6 | 2.7 | 0.0 |
| 7/23/2020 6:00 PM | -0.4 | 0.9 | -0.6 | 2.7 | 0.0 |
| 7/23/2020 6:06 PM | -0.4 | 0.9 | -0.6 | 2.7 | 0.0 |
| 7/23/2020 6:12 PM | -0.4 | 0.9 | -0.6 | 2.9 | 0.0 |
| 7/23/2020 6:18 PM | -0.4 | 0.9 | -0.6 | 3.0 | 0.0 |
| 7/23/2020 6:24 PM | -0.4 | 1.0 | -0.6 | 3.0 | 0.0 |
| 7/23/2020 6:30 PM | -0.4 | 1.0 | -0.6 | 2.9 | 0.0 |
| 7/23/2020 6:36 PM | -0.4 | 1.0 | -0.6 | 2.9 | 0.0 |
| 7/23/2020 6:42 PM | -0.4 | 1.0 | -0.6 | 2.9 | 0.0 |
| 7/23/2020 6:48 PM | -0.4 | 1.0 | -0.6 | 3.2 | 0.0 |
| 7/23/2020 6:54 PM | -0.4 | 1.0 | -0.6 | 3.4 | 0.0 |
| 7/23/2020 7:00 PM | -0.4 | 1.0 | -0.6 | 3.5 | 0.0 |
| 7/23/2020 7:06 PM | -0.4 | 1.0 | -0.6 | 3.4 | 0.0 |
| 7/23/2020 7:12 PM | -0.4 | 0.9 | -0.5 | 3.4 | 0.0 |
| 7/23/2020 7:18 PM | -0.4 | 0.9 | -0.5 | 3.4 | 0.0 |
| 7/23/2020 7:24 PM | -0.4 | 0.9 | -0.5 | 3.2 | 0.0 |
| 7/23/2020 7:30 PM | -0.4 | 0.9 | -0.5 | 3.0 | 0.0 |
| 7/23/2020 7:36 PM | -0.4 | 0.9 | -0.5 | 3.0 | 0.0 |
| 7/23/2020 7:42 PM | -0.4 | 0.9 | -0.5 | 2.9 | 0.0 |
| 7/23/2020 7:48 PM | -0.4 | 1.0 | -0.5 | 3.2 | 0.0 |
| 7/23/2020 7:54 PM | -0.4 | 0.9 | -0.5 | 3.2 | 0.0 |
| 7/23/2020 8:00 PM | -0.4 | 0.9 | -0.5 | 3.0 | 0.0 |
| 7/23/2020 8:06 PM | -0.4 | 0.9 | -0.5 | 2.8 | 0.0 |
| 7/23/2020 8:12 PM | -0.4 | 0.9 | -0.5 | 2.6 | 0.0 |
| 7/23/2020 8:18 PM | -0.4 | 0.9 | -0.5 | 2.7 | 0.0 |
| 7/23/2020 8:24 PM | -0.4 | 0.9 | -0.5 | 2.6 | 0.0 |
| 7/23/2020 8:30 PM | -0.4 | 0.8 | -0.5 | 2.6 | 0.0 |
| 7/23/2020 8:36 PM | -0.4 | 0.9 | -0.5 | 2.6 | 0.0 |
| 7/23/2020 8:42 PM | -0.4 | 0.9 | -0.5 | 2.5 | 0.0 |
| 7/23/2020 8:48 PM | -0.5 | 0.8 | -0.5 | 2.5 | 0.0 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/23/2020 8:54 PM  | -0.5 | 0.9 | -0.5 | 2.6  | 0.0 |
| 7/23/2020 9:00 PM  | -0.5 | 0.9 | -0.5 | 2.6  | 0.0 |
| 7/23/2020 9:06 PM  | -0.5 | 0.9 | -0.5 | 2.6  | 0.0 |
| 7/23/2020 9:12 PM  | -0.5 | 0.9 | -0.5 | 2.6  | 0.0 |
| 7/23/2020 9:18 PM  | -0.5 | 0.8 | -0.5 | 2.8  | 0.0 |
| 7/23/2020 9:24 PM  | -0.5 | 0.9 | -0.5 | 2.8  | 0.0 |
| 7/23/2020 9:30 PM  | -0.5 | 0.9 | -0.5 | 2.8  | 0.0 |
| 7/23/2020 9:36 PM  | -0.5 | 0.9 | -0.5 | 2.8  | 0.0 |
| 7/23/2020 9:42 PM  | -0.5 | 0.9 | -0.5 | 2.6  | 0.0 |
| 7/23/2020 9:48 PM  | -0.5 | 0.9 | -0.5 | 2.6  | 0.0 |
| 7/23/2020 9:54 PM  | -0.5 | 0.8 | -0.5 | 2.6  | 0.0 |
| 7/23/2020 10:00 PM | -0.5 | 0.9 | -0.5 | 2.6  | 0.0 |
| 7/23/2020 10:06 PM | -0.5 | 0.9 | -0.5 | 2.7  | 0.0 |
| 7/23/2020 10:12 PM | -0.5 | 0.7 | -0.5 | 2.8  | 0.0 |
| 7/23/2020 10:18 PM | -0.5 | 0.7 | -0.5 | 2.9  | 0.0 |
| 7/23/2020 10:24 PM | -0.5 | 0.7 | -0.5 | 2.9  | 0.0 |
| 7/23/2020 10:30 PM | -0.5 | 0.7 | -0.5 | 2.8  | 0.0 |
| 7/23/2020 10:36 PM | -0.5 | 0.7 | -0.5 | 2.8  | 0.0 |
| 7/23/2020 10:42 PM | -0.5 | 0.7 | -0.5 | 2.7  | 0.0 |
| 7/23/2020 10:48 PM | -0.5 | 0.7 | -0.5 | 2.5  | 0.0 |
| 7/23/2020 10:54 PM | -0.4 | 0.7 | -0.5 | 2.6  | 0.0 |
| 7/23/2020 11:00 PM | -0.4 | 0.7 | -0.5 | 2.6  | 0.0 |
| 7/23/2020 11:06 PM | -0.4 | 0.7 | -0.5 | 2.5  | 0.0 |
| 7/23/2020 11:12 PM | -0.4 | 0.7 | -0.5 | 2.5  | 0.0 |
| 7/23/2020 11:18 PM | -0.4 | 0.7 | -0.5 | 2.5  | 0.0 |
| 7/23/2020 11:24 PM | -0.4 | 0.7 | -0.5 | 2.6  | 0.0 |
| 7/23/2020 11:30 PM | -0.4 | 0.7 | -0.5 | 2.7  | 0.0 |
| 7/23/2020 11:36 PM | -0.4 | 0.6 | -0.4 | 2.6  | 0.0 |
| 7/23/2020 11:42 PM | -0.4 | 0.5 | -0.4 | 2.5  | 0.0 |
| 7/23/2020 11:48 PM | -0.4 | 0.4 | -0.4 | 2.5  | 0.0 |
| 7/23/2020 11:54 PM | -0.4 | 0.4 | -0.4 | 2.7  | 0.0 |
| 7/24/2020 12:00 AM | -0.4 | 0.4 | -0.4 | 2.7  | 0.0 |
| 7/24/2020 12:06 AM | -0.4 | 0.4 | -0.4 | 2.7  | 0.0 |
| 7/24/2020 12:12 AM | -0.4 | 0.5 | -0.4 | 2.7  | 0.0 |
| 7/24/2020 12:18 AM | -0.5 | 0.5 | -0.4 | 2.8  | 0.0 |
| 7/24/2020 12:24 AM | -0.5 | 0.5 | -0.4 | 2.7  | 0.0 |
| 7/24/2020 12:30 AM | -0.5 | 0.5 | -0.4 | 2.7  | 0.0 |
| 7/24/2020 12:36 AM | -0.5 | 0.5 | -0.5 | 2.7  | 0.0 |
| 7/24/2020 12:42 AM | -0.5 | 0.6 | -0.4 | 2.6  | 0.0 |
| 7/24/2020 12:48 AM | -0.5 | 0.5 | -0.4 | 2.6  | 0.0 |
| 7/24/2020 12:54 AM | -0.5 | 0.6 | -0.4 | 2.7  | 0.0 |
| 7/24/2020 1:00 AM  | -0.5 | 0.6 | -0.4 | 2.8  | 0.0 |
| 7/24/2020 1:06 AM  | -0.5 | 0.6 | -0.4 | 2.7  | 0.0 |
| 7/24/2020 1:12 AM  | -0.5 | 0.6 | -0.4 | 2.4  | 0.0 |
| 7/24/2020 1:18 AM  | -0.5 | 0.6 | -0.4 | 2.3  | 0.0 |
| 7/24/2020 1:24 AM  | -0.5 | 0.6 | -0.5 | 2.3  | 0.0 |
| 7/24/2020 1:30 AM  | -0.5 | 0.5 | -0.5 | 2.3  | 0.0 |
| 7/24/2020 1:36 AM  | -0.5 | 1.2 | -0.5 | 2.2  | 0.0 |
| 7/24/2020 1:42 AM  | -0.5 | 3.6 | -0.5 | 0.9  | 0.0 |
| 7/24/2020 1:48 AM  | -0.5 | 3.9 | -0.5 | -0.5 | 0.0 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/24/2020 1:54 AM | -0.5 | 3.1 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 2:00 AM | -0.5 | 2.7 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 2:06 AM | -0.5 | 2.6 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 2:12 AM | -0.5 | 2.5 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 2:18 AM | -0.5 | 2.5 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 2:24 AM | -0.5 | 2.4 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 2:30 AM | -0.5 | 2.3 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 2:36 AM | -0.5 | 2.1 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 2:42 AM | -0.5 | 2.0 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 2:48 AM | -0.5 | 2.1 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 2:54 AM | -0.5 | 2.2 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 3:00 AM | -0.5 | 2.2 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 3:06 AM | -0.5 | 2.1 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 3:12 AM | -0.5 | 2.2 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 3:18 AM | -0.5 | 2.2 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 3:24 AM | -0.5 | 2.0 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 3:30 AM | -0.5 | 1.9 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 3:36 AM | -0.5 | 1.9 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 3:42 AM | -0.5 | 1.8 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 3:48 AM | -0.5 | 1.6 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 3:54 AM | -0.5 | 1.1 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 4:00 AM | -0.5 | 0.9 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 4:06 AM | -0.5 | 1.0 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 4:12 AM | -0.5 | 1.0 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 4:18 AM | -0.5 | 1.1 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 4:24 AM | -0.5 | 1.1 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 4:30 AM | -0.5 | 1.1 | -0.4 | -0.6 | 0.0 |
| 7/24/2020 4:36 AM | -0.5 | 1.0 | -0.4 | -0.6 | 0.0 |
| 7/24/2020 4:42 AM | -0.5 | 1.0 | -0.4 | -0.6 | 0.0 |
| 7/24/2020 4:48 AM | -0.5 | 1.0 | -0.4 | -0.6 | 0.0 |
| 7/24/2020 4:54 AM | -0.5 | 1.0 | -0.4 | -0.6 | 0.0 |
| 7/24/2020 5:00 AM | -0.5 | 1.2 | -0.4 | -0.6 | 0.0 |
| 7/24/2020 5:06 AM | -0.5 | 1.7 | -0.4 | -0.6 | 0.0 |
| 7/24/2020 5:12 AM | -0.5 | 1.7 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 5:18 AM | -0.5 | 1.6 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 5:24 AM | -0.5 | 1.6 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 5:30 AM | -0.5 | 1.8 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 5:36 AM | -0.5 | 2.2 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 5:42 AM | -0.5 | 2.3 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 5:48 AM | -0.5 | 2.1 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 5:54 AM | -0.5 | 2.1 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 6:00 AM | -0.5 | 2.1 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 6:06 AM | -0.5 | 2.0 | -0.5 | -0.5 | 0.0 |
| 7/24/2020 6:12 AM | -0.5 | 1.8 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 6:18 AM | -0.5 | 1.8 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 6:24 AM | -0.5 | 1.8 | -0.5 | -0.6 | 0.0 |
| 7/24/2020 6:30 AM | -0.5 | 1.7 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 6:36 AM | -0.5 | 1.0 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 6:42 AM | -0.5 | 0.6 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 6:48 AM | -0.5 | 0.8 | -0.6 | -0.6 | 0.0 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/24/2020 6:54 AM  | -0.5 | 0.8 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 7:00 AM  | -0.5 | 0.8 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 7:06 AM  | -0.5 | 0.8 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 7:12 AM  | -0.5 | 0.8 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 7:18 AM  | -0.5 | 0.9 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 7:24 AM  | -0.5 | 0.8 | -0.6 | -0.6 | 0.0 |
| 7/24/2020 7:30 AM  | -0.5 | 0.8 | -0.5 | -0.5 | 0.0 |
| 7/24/2020 7:36 AM  | -0.5 | 0.8 | -0.5 | -0.5 | 0.0 |
| 7/24/2020 7:42 AM  | -0.5 | 0.8 | -0.5 | 7.8  | 0.0 |
| 7/24/2020 7:48 AM  | -0.5 | 0.7 | -0.5 | 15.8 | 0.0 |
| 7/24/2020 7:54 AM  | -0.5 | 0.5 | -0.6 | 13.3 | 0.0 |
| 7/24/2020 8:00 AM  | -0.5 | 0.5 | -0.6 | 9.6  | 0.0 |
| 7/24/2020 8:06 AM  | -0.5 | 0.5 | -0.6 | 6.6  | 0.0 |
| 7/24/2020 8:12 AM  | -0.5 | 0.5 | -0.6 | 6.0  | 0.0 |
| 7/24/2020 8:18 AM  | -0.5 | 0.5 | -0.6 | 4.7  | 0.0 |
| 7/24/2020 8:24 AM  | -0.5 | 0.5 | -0.6 | 3.1  | 0.0 |
| 7/24/2020 8:30 AM  | -0.5 | 0.4 | -0.6 | 3.1  | 0.0 |
| 7/24/2020 8:36 AM  | -0.5 | 0.4 | -0.3 | 3.3  | 0.0 |
| 7/24/2020 8:42 AM  | -0.5 | 0.4 | -0.1 | 3.4  | 0.0 |
| 7/24/2020 8:48 AM  | -0.5 | 0.5 | 0.0  | 3.5  | 0.0 |
| 7/24/2020 8:54 AM  | -0.5 | 0.7 | -0.1 | 3.3  | 0.0 |
| 7/24/2020 9:00 AM  | -0.5 | 1.1 | -0.1 | 3.4  | 0.0 |
| 7/24/2020 9:06 AM  | -0.5 | 1.4 | -0.2 | 3.2  | 0.0 |
| 7/24/2020 9:12 AM  | -0.5 | 1.3 | -0.3 | 3.0  | 0.0 |
| 7/24/2020 9:18 AM  | -0.5 | 1.3 | -0.3 | 3.1  | 0.0 |
| 7/24/2020 9:24 AM  | -0.5 | 1.4 | -0.3 | 2.9  | 0.0 |
| 7/24/2020 9:30 AM  | -0.5 | 1.4 | -0.4 | 2.8  | 0.0 |
| 7/24/2020 9:36 AM  | -0.6 | 1.6 | -0.4 | 2.6  | 0.0 |
| 7/24/2020 9:42 AM  | -0.6 | 1.7 | -0.5 | 2.5  | 0.0 |
| 7/24/2020 9:48 AM  | -0.6 | 2.1 | -0.5 | 3.0  | 0.0 |
| 7/24/2020 9:54 AM  | -0.6 | 2.3 | -0.6 | 5.0  | 0.0 |
| 7/24/2020 10:00 AM | -0.6 | 1.7 | -0.6 | 5.6  | 0.0 |
| 7/24/2020 10:06 AM | -0.6 | 1.8 | -0.7 | 5.3  | 0.0 |
| 7/24/2020 10:12 AM | -0.6 | 1.8 | -0.7 | 5.3  | 0.0 |
| 7/24/2020 10:18 AM | -0.6 | 1.8 | -0.7 | 5.0  | 0.0 |
| 7/24/2020 10:24 AM | -0.6 | 1.7 | -0.8 | 4.8  | 0.0 |
| 7/24/2020 10:30 AM | -0.6 | 1.8 | -0.8 | 4.7  | 0.0 |
| 7/24/2020 10:36 AM | -0.6 | 1.7 | -0.8 | 4.8  | 0.0 |
| 7/24/2020 10:42 AM | -0.6 | 1.7 | -0.8 | 4.6  | 0.0 |
| 7/24/2020 10:48 AM | -0.6 | 1.7 | -0.8 | 4.3  | 0.0 |
| 7/24/2020 10:54 AM | -0.6 | 1.7 | -0.9 | 4.3  | 0.0 |
| 7/24/2020 11:00 AM | -0.6 | 1.7 | -0.9 | 4.2  | 0.0 |
| 7/24/2020 11:06 AM | -0.6 | 1.7 | -0.9 | 4.1  | 0.0 |
| 7/24/2020 11:12 AM | -0.6 | 1.7 | -0.9 | 4.2  | 0.0 |
| 7/24/2020 11:18 AM | -0.6 | 1.8 | -0.9 | 4.2  | 0.0 |
| 7/24/2020 11:24 AM | -0.6 | 1.8 | -0.9 | 4.4  | 0.0 |
| 7/24/2020 11:30 AM | -0.6 | 1.7 | -0.9 | 4.4  | 0.0 |
| 7/24/2020 11:36 AM | -0.6 | 1.7 | -0.9 | 4.4  | 0.0 |
| 7/24/2020 11:42 AM | -0.6 | 1.7 | -0.9 | 4.3  | 0.0 |
| 7/24/2020 11:48 AM | -0.6 | 1.7 | -0.9 | 4.2  | 0.0 |



|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 7/24/2020 11:54 AM | -0.6 | 1.7 | -0.9 | 4.0 | 0.0 |
| 7/24/2020 12:00 PM | -0.5 | 1.7 | -0.9 | 4.0 | 0.0 |
| 7/24/2020 12:06 PM | -0.4 | 1.7 | -0.9 | 3.8 | 0.0 |
| 7/24/2020 12:12 PM | -0.4 | 1.7 | -0.9 | 3.9 | 0.0 |
| 7/24/2020 12:18 PM | -0.4 | 1.8 | -0.9 | 3.8 | 0.0 |
| 7/24/2020 12:24 PM | -0.4 | 1.8 | -0.9 | 3.8 | 0.0 |
| 7/24/2020 12:30 PM | -0.4 | 1.8 | -0.9 | 3.8 | 0.0 |
| 7/24/2020 12:36 PM | -0.4 | 1.7 | -0.8 | 4.0 | 0.0 |
| 7/24/2020 12:42 PM | -0.4 | 1.7 | -0.8 | 4.1 | 0.0 |
| 7/24/2020 12:48 PM | -0.4 | 1.8 | -0.8 | 4.1 | 0.0 |
| 7/24/2020 12:54 PM | -0.3 | 1.7 | -0.8 | 4.0 | 0.0 |
| 7/24/2020 1:00 PM  | -0.3 | 1.5 | -0.8 | 3.1 | 0.0 |
| 7/24/2020 1:06 PM  | -0.3 | 0.9 | -0.8 | 1.9 | 0.0 |
| 7/24/2020 1:12 PM  | -0.3 | 0.6 | -0.8 | 2.0 | 0.0 |
| 7/24/2020 1:18 PM  | -0.3 | 0.7 | -0.8 | 2.2 | 0.0 |
| 7/24/2020 1:24 PM  | -0.3 | 0.7 | -0.8 | 2.3 | 0.0 |
| 7/24/2020 1:30 PM  | -0.3 | 0.8 | -0.8 | 2.4 | 0.0 |
| 7/24/2020 1:36 PM  | -0.3 | 0.8 | -0.8 | 2.4 | 0.0 |
| 7/24/2020 1:42 PM  | -0.3 | 0.8 | -0.8 | 2.4 | 0.0 |
| 7/24/2020 1:48 PM  | -0.3 | 0.8 | -0.8 | 2.5 | 0.0 |
| 7/24/2020 1:54 PM  | -0.3 | 0.9 | -0.8 | 2.6 | 0.0 |
| 7/24/2020 2:00 PM  | -0.3 | 0.8 | -0.8 | 2.6 | 0.0 |
| 7/24/2020 2:06 PM  | -0.3 | 0.7 | -0.8 | 2.6 | 0.0 |
| 7/24/2020 2:12 PM  | -0.3 | 0.7 | -0.8 | 2.5 | 0.0 |
| 7/24/2020 2:18 PM  | -0.3 | 0.7 | -0.8 | 2.4 | 0.0 |
| 7/24/2020 2:24 PM  | -0.3 | 0.8 | -0.8 | 2.4 | 0.0 |
| 7/24/2020 2:30 PM  | -0.3 | 0.8 | -0.8 | 2.3 | 0.0 |
| 7/24/2020 2:36 PM  | -0.3 | 0.8 | -0.8 | 2.1 | 0.0 |
| 7/24/2020 2:42 PM  | -0.3 | 0.8 | -0.8 | 2.1 | 0.0 |
| 7/24/2020 2:48 PM  | -0.3 | 0.8 | -0.8 | 2.1 | 0.0 |
| 7/24/2020 2:54 PM  | -0.3 | 0.7 | -0.8 | 2.1 | 0.0 |
| 7/24/2020 3:00 PM  | -0.3 | 0.6 | -0.7 | 2.1 | 0.0 |
| 7/24/2020 3:06 PM  | -0.3 | 0.6 | -0.7 | 2.2 | 0.0 |
| 7/24/2020 3:12 PM  | -0.3 | 0.6 | -0.7 | 2.4 | 0.0 |
| 7/24/2020 3:18 PM  | -0.3 | 0.6 | -0.7 | 2.5 | 0.0 |
| 7/24/2020 3:24 PM  | -0.3 | 0.5 | -0.7 | 2.4 | 0.0 |
| 7/24/2020 3:30 PM  | -0.3 | 0.5 | -0.7 | 2.4 | 0.0 |
| 7/24/2020 3:36 PM  | -0.3 | 0.5 | -0.7 | 2.4 | 0.0 |
| 7/24/2020 3:42 PM  | -0.3 | 0.6 | -0.7 | 2.5 | 0.0 |
| 7/24/2020 3:48 PM  | -0.3 | 0.6 | -0.7 | 2.4 | 0.0 |
| 7/24/2020 3:54 PM  | -0.3 | 0.6 | -0.7 | 2.4 | 0.0 |
| 7/24/2020 4:00 PM  | -0.3 | 0.6 | -0.7 | 2.4 | 0.0 |
| 7/24/2020 4:06 PM  | -0.3 | 0.6 | -0.7 | 2.4 | 0.0 |
| 7/24/2020 4:12 PM  | -0.3 | 0.6 | -0.7 | 2.6 | 0.0 |
| 7/24/2020 4:18 PM  | -0.3 | 0.6 | -0.7 | 2.6 | 0.0 |
| 7/24/2020 4:24 PM  | -0.3 | 0.6 | -0.7 | 2.6 | 0.0 |
| 7/24/2020 4:30 PM  | -0.3 | 0.7 | -0.7 | 2.7 | 0.0 |
| 7/24/2020 4:36 PM  | -0.3 | 0.6 | -0.7 | 2.7 | 0.0 |
| 7/24/2020 4:42 PM  | -0.3 | 0.6 | -0.7 | 2.7 | 0.0 |
| 7/24/2020 4:48 PM  | -0.3 | 0.6 | -0.7 | 2.7 | 0.0 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 7/24/2020 4:54 PM | -0.3 | 0.7 | -0.7 | 2.8 | 0.0 |
| 7/24/2020 5:00 PM | -0.3 | 0.6 | -0.7 | 2.8 | 0.0 |
| 7/24/2020 5:06 PM | -0.3 | 0.6 | -0.6 | 2.7 | 0.0 |
| 7/24/2020 5:12 PM | -0.3 | 0.5 | -0.6 | 2.9 | 0.0 |
| 7/24/2020 5:18 PM | -0.3 | 0.5 | -0.6 | 3.0 | 0.0 |
| 7/24/2020 5:24 PM | -0.3 | 0.5 | -0.6 | 3.1 | 0.0 |
| 7/24/2020 5:30 PM | -0.3 | 0.5 | -0.6 | 3.1 | 0.0 |
| 7/24/2020 5:36 PM | -0.3 | 0.5 | -0.6 | 3.0 | 0.0 |
| 7/24/2020 5:42 PM | -0.3 | 0.5 | -0.6 | 3.0 | 0.0 |
| 7/24/2020 5:48 PM | -0.3 | 0.6 | -0.6 | 3.0 | 0.0 |
| 7/24/2020 5:54 PM | -0.3 | 0.6 | -0.6 | 3.1 | 0.0 |
| 7/24/2020 6:00 PM | -0.3 | 0.6 | -0.6 | 3.1 | 0.0 |
| 7/24/2020 6:06 PM | -0.3 | 0.8 | -0.5 | 3.1 | 0.0 |
| 7/24/2020 6:12 PM | -0.3 | 0.9 | -0.5 | 3.1 | 0.0 |
| 7/24/2020 6:18 PM | -0.3 | 0.7 | -0.5 | 3.2 | 0.0 |
| 7/24/2020 6:24 PM | -0.3 | 0.7 | -0.5 | 3.1 | 0.0 |
| 7/24/2020 6:30 PM | -0.3 | 0.7 | -0.5 | 3.1 | 0.0 |
| 7/24/2020 6:36 PM | -0.3 | 0.7 | -0.5 | 3.1 | 0.0 |
| 7/24/2020 6:42 PM | -0.3 | 0.6 | -0.5 | 3.0 | 0.0 |
| 7/24/2020 6:48 PM | -0.3 | 0.6 | -0.5 | 3.0 | 0.0 |
| 7/24/2020 6:54 PM | -0.3 | 0.5 | -0.5 | 3.0 | 0.0 |
| 7/24/2020 7:00 PM | -0.3 | 0.5 | -0.5 | 3.1 | 0.0 |
| 7/24/2020 7:06 PM | -0.3 | 0.5 | -0.5 | 3.0 | 0.0 |
| 7/24/2020 7:12 PM | -0.3 | 0.5 | -0.5 | 3.0 | 0.0 |
| 7/24/2020 7:18 PM | -0.3 | 0.6 | -0.5 | 3.0 | 0.0 |
| 7/24/2020 7:24 PM | -0.3 | 0.6 | -0.5 | 2.9 | 0.0 |
| 7/24/2020 7:30 PM | -0.3 | 0.6 | -0.5 | 2.9 | 0.0 |
| 7/24/2020 7:36 PM | -0.3 | 0.6 | -0.5 | 2.8 | 0.0 |
| 7/24/2020 7:42 PM | -0.3 | 0.6 | -0.5 | 2.8 | 0.0 |
| 7/24/2020 7:48 PM | -0.3 | 0.7 | -0.5 | 2.8 | 0.0 |
| 7/24/2020 7:54 PM | -0.3 | 0.8 | -0.5 | 2.7 | 0.0 |
| 7/24/2020 8:00 PM | -0.3 | 0.8 | -0.5 | 2.8 | 0.0 |
| 7/24/2020 8:06 PM | -0.3 | 0.8 | -0.5 | 2.7 | 0.0 |
| 7/24/2020 8:12 PM | -0.3 | 0.8 | -0.5 | 2.6 | 0.0 |
| 7/24/2020 8:18 PM | -0.3 | 0.8 | -0.5 | 2.5 | 0.0 |
| 7/24/2020 8:24 PM | -0.3 | 0.7 | -0.5 | 2.6 | 0.0 |
| 7/24/2020 8:30 PM | -0.3 | 0.6 | -0.5 | 2.6 | 0.0 |
| 7/24/2020 8:36 PM | -0.3 | 0.5 | -0.5 | 2.6 | 0.0 |
| 7/24/2020 8:42 PM | -0.3 | 0.5 | -0.5 | 2.7 | 0.0 |
| 7/24/2020 8:48 PM | -0.3 | 0.6 | -0.5 | 2.7 | 0.0 |
| 7/24/2020 8:54 PM | -0.3 | 0.6 | -0.5 | 2.6 | 0.0 |
| 7/24/2020 9:00 PM | -0.3 | 0.6 | -0.5 | 2.5 | 0.0 |
| 7/24/2020 9:06 PM | -0.3 | 0.6 | -0.5 | 2.4 | 0.0 |
| 7/24/2020 9:12 PM | -0.3 | 0.6 | -0.5 | 2.4 | 0.0 |
| 7/24/2020 9:18 PM | -0.3 | 0.6 | -0.5 | 2.3 | 0.0 |
| 7/24/2020 9:24 PM | -0.3 | 0.7 | -0.5 | 2.3 | 0.0 |
| 7/24/2020 9:30 PM | -0.3 | 0.9 | -0.5 | 2.3 | 0.0 |
| 7/24/2020 9:36 PM | -0.3 | 0.9 | -0.5 | 3.1 | 0.0 |
| 7/24/2020 9:42 PM | -0.3 | 0.8 | -0.5 | 3.6 | 0.0 |
| 7/24/2020 9:48 PM | -0.3 | 0.7 | -0.5 | 3.6 | 0.0 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 7/24/2020 9:54 PM  | -0.3 | 0.7  | -0.5 | 3.5  | 0.0 |
| 7/24/2020 10:00 PM | -0.3 | 0.7  | -0.5 | 3.5  | 0.0 |
| 7/24/2020 10:06 PM | -0.3 | 0.7  | -0.5 | 3.4  | 0.0 |
| 7/24/2020 10:12 PM | -0.3 | 0.7  | -0.5 | 3.3  | 0.0 |
| 7/24/2020 10:18 PM | -0.3 | 0.7  | -0.5 | 3.3  | 0.0 |
| 7/24/2020 10:24 PM | -0.3 | 0.7  | -0.6 | 3.0  | 0.0 |
| 7/24/2020 10:30 PM | -0.3 | 0.6  | -0.5 | 2.5  | 0.0 |
| 7/24/2020 10:36 PM | -0.3 | 0.5  | -0.5 | 2.4  | 0.0 |
| 7/24/2020 10:42 PM | -0.3 | 0.6  | -0.5 | 2.4  | 0.0 |
| 7/24/2020 10:48 PM | -0.3 | 0.6  | -0.6 | 2.5  | 0.0 |
| 7/24/2020 10:54 PM | -0.3 | 0.6  | -0.6 | 2.5  | 0.0 |
| 7/24/2020 11:00 PM | -0.3 | 0.8  | -0.6 | 2.7  | 0.0 |
| 7/24/2020 11:06 PM | -0.3 | 0.9  | -0.6 | 2.9  | 0.0 |
| 7/24/2020 11:12 PM | -0.3 | 0.8  | -0.6 | 3.0  | 0.0 |
| 7/24/2020 11:18 PM | -0.3 | 0.8  | -0.6 | 2.9  | 0.0 |
| 7/24/2020 11:24 PM | -0.3 | 0.8  | -0.6 | 2.8  | 0.0 |
| 7/24/2020 11:30 PM | -0.3 | 0.8  | -0.6 | 2.8  | 0.0 |
| 7/24/2020 11:36 PM | -0.3 | 0.8  | -0.6 | 2.9  | 0.0 |
| 7/24/2020 11:42 PM | -0.3 | 0.7  | -0.6 | 2.8  | 0.0 |
| 7/24/2020 11:48 PM | -0.3 | 0.6  | -0.6 | 2.7  | 0.0 |
| 7/24/2020 11:54 PM | -0.3 | 0.6  | -0.6 | 2.8  | 0.0 |
| 7/25/2020 12:00 AM | -0.3 | 0.6  | -0.6 | 2.9  | 0.0 |
| 7/25/2020 12:06 AM | -0.3 | 0.6  | -0.6 | 2.8  | 0.0 |
| 7/25/2020 12:12 AM | -0.3 | 0.6  | -0.6 | 2.8  | 0.0 |
| 7/25/2020 12:18 AM | -0.4 | 0.6  | -0.6 | 3.0  | 0.0 |
| 7/25/2020 12:24 AM | -0.4 | 0.5  | -0.6 | 3.2  | 0.0 |
| 7/25/2020 12:30 AM | -0.3 | 0.5  | -0.6 | 3.2  | 0.0 |
| 7/25/2020 12:36 AM | -0.4 | 0.5  | -0.6 | 3.1  | 0.0 |
| 7/25/2020 12:42 AM | -0.3 | 0.5  | -0.6 | 2.9  | 0.0 |
| 7/25/2020 12:48 AM | -0.3 | 0.5  | -0.6 | 2.9  | 0.0 |
| 7/25/2020 12:54 AM | -0.3 | 0.5  | -0.6 | 3.0  | 0.0 |
| 7/25/2020 1:00 AM  | -0.3 | 0.4  | -0.6 | 5.9  | 0.0 |
| 7/25/2020 1:06 AM  | -0.3 | -0.1 | -0.6 | 9.6  | 0.0 |
| 7/25/2020 1:12 AM  | -0.3 | -0.7 | -0.6 | 9.5  | 0.0 |
| 7/25/2020 1:18 AM  | -0.3 | -0.8 | -0.6 | 9.1  | 0.0 |
| 7/25/2020 1:24 AM  | -0.3 | -0.9 | -0.6 | 8.8  | 0.0 |
| 7/25/2020 1:30 AM  | -0.3 | -0.9 | -0.6 | 8.8  | 0.0 |
| 7/25/2020 1:36 AM  | -0.3 | -0.8 | -0.6 | 9.2  | 0.0 |
| 7/25/2020 1:42 AM  | -0.3 | -0.8 | -0.6 | 10.2 | 0.0 |
| 7/25/2020 1:48 AM  | -0.3 | -0.7 | -0.6 | 10.5 | 0.0 |
| 7/25/2020 1:54 AM  | -0.3 | -0.8 | -0.6 | 10.6 | 0.0 |
| 7/25/2020 2:00 AM  | -0.3 | -0.9 | -0.6 | 10.9 | 0.0 |
| 7/25/2020 2:06 AM  | -0.3 | -0.8 | -0.5 | 10.8 | 0.0 |
| 7/25/2020 2:12 AM  | -0.3 | -0.9 | -0.5 | 10.9 | 0.0 |
| 7/25/2020 2:18 AM  | -0.3 | -0.9 | -0.5 | 11.1 | 0.0 |
| 7/25/2020 2:24 AM  | -0.3 | -0.9 | -0.5 | 11.2 | 0.0 |
| 7/25/2020 2:30 AM  | -0.3 | -0.9 | -0.5 | 11.1 | 0.0 |
| 7/25/2020 2:36 AM  | -0.3 | -0.8 | -0.5 | 10.9 | 0.0 |
| 7/25/2020 2:42 AM  | -0.3 | -0.8 | -0.5 | 11.2 | 0.0 |
| 7/25/2020 2:48 AM  | -0.3 | -0.8 | -0.5 | 11.3 | 0.0 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 7/25/2020 2:54 AM | -0.3 | -0.8 | -0.5 | 11.5 | 0.0 |
| 7/25/2020 3:00 AM | -0.3 | -0.8 | -0.5 | 11.7 | 0.0 |
| 7/25/2020 3:06 AM | -0.3 | -0.8 | -0.5 | 11.8 | 0.0 |
| 7/25/2020 3:12 AM | -0.3 | -0.8 | -0.5 | 11.6 | 0.0 |
| 7/25/2020 3:18 AM | -0.3 | -0.7 | -0.5 | 11.2 | 0.0 |
| 7/25/2020 3:24 AM | -0.3 | -0.7 | -0.5 | 10.9 | 0.0 |
| 7/25/2020 3:30 AM | -0.3 | -0.7 | -0.5 | 11.0 | 0.0 |
| 7/25/2020 3:36 AM | -0.3 | -0.7 | -0.5 | 11.3 | 0.1 |
| 7/25/2020 3:42 AM | -0.3 | -0.7 | -0.4 | 11.6 | 0.1 |
| 7/25/2020 3:48 AM | -0.3 | -0.7 | -0.4 | 10.9 | 0.0 |
| 7/25/2020 3:54 AM | -0.3 | -0.7 | -0.4 | 7.5  | 0.0 |
| 7/25/2020 4:00 AM | -0.3 | -0.7 | -0.4 | 5.8  | 0.0 |
| 7/25/2020 4:06 AM | -0.3 | -0.7 | -0.4 | 6.1  | 0.0 |
| 7/25/2020 4:12 AM | -0.3 | -0.7 | -0.5 | 6.2  | 0.0 |
| 7/25/2020 4:18 AM | -0.3 | -0.7 | -0.5 | 6.4  | 0.0 |
| 7/25/2020 4:24 AM | -0.3 | -0.7 | -0.5 | 6.3  | 0.0 |
| 7/25/2020 4:30 AM | -0.3 | -0.7 | -0.5 | 6.2  | 0.0 |
| 7/25/2020 4:36 AM | -0.3 | -0.7 | -0.5 | 6.2  | 0.0 |
| 7/25/2020 4:42 AM | -0.3 | -0.7 | -0.5 | 6.3  | 0.0 |
| 7/25/2020 4:48 AM | -0.3 | -0.7 | -0.5 | 6.4  | 0.0 |
| 7/25/2020 4:54 AM | -0.3 | -0.7 | -0.5 | 6.4  | 0.0 |
| 7/25/2020 5:00 AM | -0.3 | -0.7 | -0.5 | 6.4  | 0.0 |
| 7/25/2020 5:06 AM | -0.4 | -0.7 | -0.5 | 6.3  | 0.0 |
| 7/25/2020 5:12 AM | -0.4 | -0.7 | -0.6 | 5.9  | 0.0 |
| 7/25/2020 5:18 AM | -0.4 | -0.7 | -0.7 | 5.2  | 0.0 |
| 7/25/2020 5:24 AM | -0.4 | -0.7 | -0.7 | 3.8  | 0.0 |
| 7/25/2020 5:30 AM | -0.4 | -0.7 | -0.8 | 3.4  | 0.0 |
| 7/25/2020 5:36 AM | -0.4 | -0.7 | -0.9 | 3.6  | 0.0 |
| 7/25/2020 5:42 AM | -0.3 | -0.7 | -1.0 | 3.6  | 0.0 |
| 7/25/2020 5:48 AM | -0.3 | -0.7 | -1.0 | 3.6  | 0.0 |
| 7/25/2020 5:54 AM | -0.3 | -0.7 | -1.0 | 3.7  | 0.0 |
| 7/25/2020 6:00 AM | -0.3 | -0.6 | -1.0 | 3.7  | 0.0 |
| 7/25/2020 6:06 AM | -0.3 | -0.7 | -1.0 | 3.8  | 0.0 |
| 7/25/2020 6:12 AM | -0.3 | -0.7 | -1.0 | 3.9  | 0.0 |
| 7/25/2020 6:18 AM | -0.3 | -0.7 | -1.0 | 4.0  | 0.0 |
| 7/25/2020 6:24 AM | -0.3 | -0.7 | -1.0 | 4.1  | 0.0 |
| 7/25/2020 6:30 AM | -0.3 | -0.7 | -1.0 | 4.0  | 0.0 |
| 7/25/2020 6:36 AM | -0.3 | -0.7 | -1.0 | 4.0  | 0.0 |
| 7/25/2020 6:42 AM | -0.3 | -0.7 | -1.0 | 4.0  | 0.0 |
| 7/25/2020 6:48 AM | -0.3 | -0.7 | -1.0 | 4.1  | 0.0 |
| 7/25/2020 6:54 AM | -0.3 | -0.7 | -1.0 | 4.1  | 0.0 |
| 7/25/2020 7:00 AM | -0.3 | -0.7 | -1.0 | 8.1  | 0.0 |
| 7/25/2020 7:06 AM | -0.3 | -0.7 | -1.0 | 11.9 | 0.0 |
| 7/25/2020 7:12 AM | -0.3 | -0.7 | -1.0 | 10.7 | 0.0 |
| 7/25/2020 7:18 AM | -0.3 | -0.7 | -1.0 | 9.4  | 0.0 |
| 7/25/2020 7:24 AM | -0.3 | -0.8 | -1.0 | 9.1  | 0.0 |
| 7/25/2020 7:30 AM | -0.3 | 1.6  | -1.0 | 9.1  | 0.0 |
| 7/25/2020 7:36 AM | -0.3 | 8.6  | -1.0 | 5.6  | 0.0 |
| 7/25/2020 7:42 AM | -0.3 | 7.1  | -0.9 | 2.2  | 0.0 |
| 7/25/2020 7:48 AM | -0.3 | 3.6  | -0.9 | 2.3  | 0.0 |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 7/25/2020 7:54 AM  | -0.3 | 2.5 | -0.9 | 2.4 | 0.0 |
| 7/25/2020 8:00 AM  | -0.3 | 1.7 | -0.9 | 2.4 | 0.0 |
| 7/25/2020 8:06 AM  | -0.3 | 1.3 | -0.9 | 2.0 | 0.0 |
| 7/25/2020 8:12 AM  | -0.3 | 1.1 | -0.8 | 1.5 | 0.0 |
| 7/25/2020 8:18 AM  | -0.3 | 1.0 | -0.8 | 1.5 | 0.0 |
| 7/25/2020 8:24 AM  | -0.3 | 0.9 | -0.8 | 1.5 | 0.0 |
| 7/25/2020 8:30 AM  | -0.2 | 0.9 | -0.8 | 1.5 | 0.0 |
| 7/25/2020 8:36 AM  | -0.2 | 0.8 | -0.7 | 1.3 | 0.0 |
| 7/25/2020 8:42 AM  | -0.2 | 0.8 | -0.6 | 1.4 | 0.0 |
| 7/25/2020 8:48 AM  | -0.2 | 0.7 | -0.5 | 1.5 | 0.0 |
| 7/25/2020 8:54 AM  | -0.2 | 0.7 | -0.4 | 1.5 | 0.0 |
| 7/25/2020 9:00 AM  | -0.2 | 0.7 | -0.2 | 1.5 | 0.0 |
| 7/25/2020 9:06 AM  | -0.2 | 0.7 | 0.0  | 1.5 | 0.0 |
| 7/25/2020 9:12 AM  | -0.2 | 0.7 | 0.1  | 1.5 | 0.0 |
| 7/25/2020 9:18 AM  | -0.2 | 0.7 | 0.1  | 1.5 | 0.0 |
| 7/25/2020 9:24 AM  | -0.2 | 0.7 | 0.1  | 1.5 | 0.0 |
| 7/25/2020 9:30 AM  | -0.2 | 0.7 | 0.1  | 1.6 | 0.0 |
| 7/25/2020 9:36 AM  | -0.2 | 1.0 | 0.1  | 2.0 | 0.0 |
| 7/25/2020 9:42 AM  | -0.2 | 1.1 | 0.1  | 2.4 | 0.0 |
| 7/25/2020 9:48 AM  | -0.2 | 0.9 | 0.1  | 2.5 | 0.0 |
| 7/25/2020 9:54 AM  | -0.2 | 0.8 | 0.1  | 2.4 | 0.0 |
| 7/25/2020 10:00 AM | -0.2 | 0.8 | 0.1  | 2.4 | 0.0 |
| 7/25/2020 10:06 AM | -0.2 | 0.7 | 0.1  | 2.4 | 0.0 |
| 7/25/2020 10:12 AM | -0.2 | 0.7 | 0.1  | 2.3 | 0.0 |
| 7/25/2020 10:18 AM | -0.2 | 0.7 | 0.1  | 2.3 | 0.0 |
| 7/25/2020 10:24 AM | -0.2 | 0.7 | 0.1  | 2.4 | 0.0 |
| 7/25/2020 10:30 AM | -0.2 | 0.7 | 0.1  | 2.4 | 0.0 |
| 7/25/2020 10:36 AM | -0.2 | 0.7 | 0.1  | 2.4 | 0.0 |
| 7/25/2020 10:42 AM | -0.2 | 0.7 | 0.1  | 2.3 | 0.0 |
| 7/25/2020 10:48 AM | -0.2 | 0.7 | 0.1  | 2.3 | 0.0 |
| 7/25/2020 10:54 AM | -0.2 | 0.9 | 0.1  | 2.3 | 0.0 |
| 7/25/2020 11:00 AM | -0.2 | 1.0 | 0.1  | 2.3 | 0.0 |
| 7/25/2020 11:06 AM | -0.2 | 0.9 | 0.1  | 2.3 | 0.0 |
| 7/25/2020 11:12 AM | -0.2 | 0.9 | 0.1  | 2.2 | 0.0 |
| 7/25/2020 11:18 AM | -0.2 | 0.9 | 0.1  | 2.2 | 0.0 |
| 7/25/2020 11:24 AM | -0.2 | 1.0 | 0.1  | 2.2 | 0.0 |
| 7/25/2020 11:30 AM | -0.2 | 0.9 | 0.1  | 2.1 | 0.0 |
| 7/25/2020 11:36 AM | -0.2 | 0.9 | 0.1  | 2.2 | 0.0 |
| 7/25/2020 11:42 AM | -0.2 | 0.9 | 0.1  | 2.2 | 0.0 |
| 7/25/2020 11:48 AM | -0.2 | 0.9 | 0.1  | 2.1 | 0.0 |
| 7/25/2020 11:54 AM | -0.2 | 0.8 | 0.1  | 2.1 | 0.0 |
| 7/25/2020 12:00 PM | -0.2 | 0.9 | 0.1  | 2.1 | 0.1 |
| 7/25/2020 12:06 PM | -0.1 | 1.0 | 0.2  | 2.2 | 0.1 |
| 7/25/2020 12:12 PM | -0.1 | 0.9 | 0.2  | 2.2 | 0.1 |
| 7/25/2020 12:18 PM | -0.1 | 0.8 | 0.1  | 2.3 | 0.1 |
| 7/25/2020 12:24 PM | -0.1 | 0.8 | 0.1  | 2.3 | 0.1 |
| 7/25/2020 12:30 PM | -0.1 | 0.8 | 0.0  | 2.3 | 0.1 |
| 7/25/2020 12:36 PM | -0.1 | 0.8 | 0.0  | 2.2 | 0.1 |
| 7/25/2020 12:42 PM | -0.1 | 0.8 | -0.1 | 2.3 | 0.1 |
| 7/25/2020 12:48 PM | -0.1 | 0.8 | -0.1 | 2.3 | 0.1 |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 7/25/2020 12:54 PM | -0.1 | 0.8 | -0.1 | 2.2 | 0.1 |
| 7/25/2020 1:00 PM  | -0.1 | 0.9 | -0.1 | 2.2 | 0.1 |
| 7/25/2020 1:06 PM  | -0.1 | 1.0 | -0.1 | 2.1 | 0.1 |
| 7/25/2020 1:12 PM  | -0.1 | 0.9 | -0.1 | 2.0 | 0.1 |
| 7/25/2020 1:18 PM  | -0.1 | 0.9 | 0.0  | 2.0 | 0.1 |
| 7/25/2020 1:24 PM  | -0.1 | 1.0 | -0.1 | 2.0 | 0.1 |
| 7/25/2020 1:30 PM  | -0.1 | 1.0 | -0.2 | 1.9 | 0.1 |
| 7/25/2020 1:36 PM  | -0.1 | 0.9 | -0.3 | 1.9 | 0.1 |
| 7/25/2020 1:42 PM  | -0.1 | 0.9 | -0.3 | 2.0 | 0.1 |
| 7/25/2020 1:48 PM  | -0.1 | 0.9 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 1:54 PM  | -0.1 | 0.9 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 2:00 PM  | -0.1 | 0.9 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 2:06 PM  | -0.2 | 0.9 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 2:12 PM  | -0.1 | 0.9 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 2:18 PM  | -0.1 | 0.9 | -0.3 | 1.9 | 0.1 |
| 7/25/2020 2:24 PM  | -0.1 | 0.8 | -0.2 | 1.9 | 0.1 |
| 7/25/2020 2:30 PM  | -0.1 | 0.9 | -0.2 | 1.9 | 0.1 |
| 7/25/2020 2:36 PM  | -0.1 | 0.9 | -0.2 | 2.0 | 0.1 |
| 7/25/2020 2:42 PM  | -0.1 | 1.0 | -0.3 | 2.0 | 0.1 |
| 7/25/2020 2:48 PM  | -0.1 | 1.0 | -0.3 | 1.9 | 0.1 |
| 7/25/2020 2:54 PM  | -0.1 | 1.0 | -0.3 | 1.8 | 0.1 |
| 7/25/2020 3:00 PM  | -0.1 | 1.0 | -0.4 | 1.8 | 0.1 |
| 7/25/2020 3:06 PM  | -0.1 | 1.0 | -0.4 | 1.8 | 0.1 |
| 7/25/2020 3:12 PM  | -0.1 | 1.0 | -0.4 | 1.8 | 0.1 |
| 7/25/2020 3:18 PM  | -0.1 | 1.0 | -0.4 | 1.8 | 0.1 |
| 7/25/2020 3:24 PM  | -0.1 | 0.9 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 3:30 PM  | -0.1 | 1.0 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 3:36 PM  | -0.1 | 1.0 | -0.4 | 1.8 | 0.1 |
| 7/25/2020 3:42 PM  | -0.1 | 1.0 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 3:48 PM  | -0.1 | 0.9 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 3:54 PM  | -0.1 | 0.9 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 4:00 PM  | -0.1 | 0.9 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 4:06 PM  | -0.1 | 0.8 | -0.5 | 1.9 | 0.1 |
| 7/25/2020 4:12 PM  | -0.1 | 0.9 | -0.5 | 2.0 | 0.1 |
| 7/25/2020 4:18 PM  | -0.1 | 1.1 | -0.5 | 2.1 | 0.1 |
| 7/25/2020 4:24 PM  | -0.2 | 2.0 | -0.5 | 2.7 | 0.1 |
| 7/25/2020 4:30 PM  | -0.2 | 2.1 | -0.5 | 5.8 | 0.1 |
| 7/25/2020 4:36 PM  | -0.2 | 1.3 | -0.5 | 4.7 | 0.1 |
| 7/25/2020 4:42 PM  | -0.2 | 0.9 | -0.5 | 1.7 | 0.1 |
| 7/25/2020 4:48 PM  | -0.2 | 1.0 | -0.5 | 1.8 | 0.1 |
| 7/25/2020 4:54 PM  | -0.2 | 1.1 | -0.5 | 1.8 | 0.1 |
| 7/25/2020 5:00 PM  | -0.2 | 1.3 | -0.5 | 1.7 | 0.1 |
| 7/25/2020 5:06 PM  | -0.2 | 1.3 | -0.5 | 1.7 | 0.1 |
| 7/25/2020 5:12 PM  | -0.2 | 1.2 | -0.5 | 1.8 | 0.1 |
| 7/25/2020 5:18 PM  | -0.2 | 1.2 | -0.5 | 1.8 | 0.1 |
| 7/25/2020 5:24 PM  | -0.2 | 1.2 | -0.5 | 1.7 | 0.1 |
| 7/25/2020 5:30 PM  | -0.2 | 1.3 | -0.5 | 1.7 | 0.1 |
| 7/25/2020 5:36 PM  | -0.2 | 1.3 | -0.5 | 1.7 | 0.1 |
| 7/25/2020 5:42 PM  | -0.2 | 1.3 | -0.5 | 1.6 | 0.1 |
| 7/25/2020 5:48 PM  | -0.2 | 1.2 | -0.5 | 1.6 | 0.1 |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 7/25/2020 5:54 PM  | -0.2 | 1.2 | -0.5 | 1.6 | 0.1 |
| 7/25/2020 6:00 PM  | -0.2 | 1.2 | -0.5 | 1.6 | 0.1 |
| 7/25/2020 6:06 PM  | -0.2 | 1.2 | -0.4 | 1.6 | 0.1 |
| 7/25/2020 6:12 PM  | -0.2 | 1.0 | -0.4 | 1.6 | 0.1 |
| 7/25/2020 6:18 PM  | -0.2 | 0.9 | -0.4 | 1.7 | 0.1 |
| 7/25/2020 6:24 PM  | -0.2 | 1.0 | -0.4 | 1.7 | 0.1 |
| 7/25/2020 6:30 PM  | -0.2 | 0.9 | -0.4 | 1.7 | 0.1 |
| 7/25/2020 6:36 PM  | -0.2 | 0.9 | -0.4 | 1.7 | 0.1 |
| 7/25/2020 6:42 PM  | -0.2 | 0.9 | -0.4 | 1.8 | 0.1 |
| 7/25/2020 6:48 PM  | -0.2 | 0.9 | -0.4 | 1.8 | 0.1 |
| 7/25/2020 6:54 PM  | -0.2 | 0.9 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 7:00 PM  | -0.2 | 0.9 | -0.4 | 1.9 | 0.1 |
| 7/25/2020 7:06 PM  | -0.2 | 0.9 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 7:12 PM  | -0.2 | 0.9 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 7:18 PM  | -0.2 | 1.0 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 7:24 PM  | -0.2 | 1.0 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 7:30 PM  | -0.2 | 1.0 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 7:36 PM  | -0.2 | 1.0 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 7:42 PM  | -0.2 | 0.8 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 7:48 PM  | -0.2 | 0.7 | -0.4 | 2.2 | 0.1 |
| 7/25/2020 7:54 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 8:00 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 8:06 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 8:12 PM  | -0.2 | 0.8 | -0.4 | 2.2 | 0.1 |
| 7/25/2020 8:18 PM  | -0.2 | 0.8 | -0.4 | 2.3 | 0.1 |
| 7/25/2020 8:24 PM  | -0.2 | 0.8 | -0.4 | 2.2 | 0.1 |
| 7/25/2020 8:30 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 8:36 PM  | -0.2 | 0.9 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 8:42 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 8:48 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 8:54 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 9:00 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 9:06 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 9:12 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 9:18 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 9:24 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 9:30 PM  | -0.2 | 0.8 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 9:36 PM  | -0.2 | 0.8 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 9:42 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 9:48 PM  | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 9:54 PM  | -0.2 | 0.8 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 10:00 PM | -0.2 | 0.8 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 10:06 PM | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 10:12 PM | -0.2 | 0.8 | -0.4 | 2.2 | 0.1 |
| 7/25/2020 10:18 PM | -0.2 | 0.8 | -0.4 | 2.2 | 0.1 |
| 7/25/2020 10:24 PM | -0.2 | 0.9 | -0.4 | 2.2 | 0.1 |
| 7/25/2020 10:30 PM | -0.2 | 0.8 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 10:36 PM | -0.2 | 0.8 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 10:42 PM | -0.2 | 0.8 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 10:48 PM | -0.2 | 0.8 | -0.4 | 2.0 | 0.1 |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 7/25/2020 10:54 PM | -0.2 | 0.8 | -0.4 | 2.0 | 0.1 |
| 7/25/2020 11:00 PM | -0.2 | 0.8 | -0.4 | 2.1 | 0.1 |
| 7/25/2020 11:06 PM | -0.2 | 0.8 | -0.4 | 2.2 | 0.1 |
| 7/25/2020 11:12 PM | -0.2 | 0.9 | -0.4 | 2.3 | 0.1 |
| 7/25/2020 11:18 PM | -0.2 | 0.9 | -0.4 | 2.3 | 0.1 |
| 7/25/2020 11:24 PM | -0.2 | 0.9 | -0.4 | 2.3 | 0.1 |
| 7/25/2020 11:30 PM | -0.2 | 0.9 | -0.4 | 2.2 | 0.1 |
| 7/25/2020 11:36 PM | -0.2 | 0.9 | -0.4 | 2.3 | 0.1 |
| 7/25/2020 11:42 PM | -0.2 | 1.0 | -0.4 | 2.5 | 0.1 |
| 7/25/2020 11:48 PM | -0.2 | 1.0 | -0.4 | 2.6 | 0.1 |
| 7/25/2020 11:54 PM | -0.2 | 1.0 | -0.4 | 2.5 | 0.1 |
| 7/26/2020 12:00 AM | -0.2 | 0.9 | -0.4 | 2.5 | 0.1 |
| 7/26/2020 12:06 AM | -0.2 | 0.9 | -0.4 | 2.3 | 0.1 |
| 7/26/2020 12:12 AM | -0.3 | 1.0 | -0.4 | 2.4 | 0.1 |
| 7/26/2020 12:18 AM | -0.2 | 1.0 | -0.4 | 2.5 | 0.1 |
| 7/26/2020 12:24 AM | -0.2 | 1.0 | -0.4 | 2.4 | 0.1 |
| 7/26/2020 12:30 AM | -0.2 | 1.0 | -0.4 | 2.4 | 0.1 |
| 7/26/2020 12:36 AM | -0.3 | 1.0 | -0.4 | 2.4 | 0.1 |
| 7/26/2020 12:42 AM | -0.3 | 0.9 | -0.4 | 2.4 | 0.1 |
| 7/26/2020 12:48 AM | -0.3 | 0.7 | -0.4 | 2.4 | 0.1 |
| 7/26/2020 12:54 AM | -0.3 | 0.7 | -0.4 | 2.3 | 0.1 |
| 7/26/2020 1:00 AM  | -0.3 | 0.7 | -0.4 | 2.2 | 0.1 |
| 7/26/2020 1:06 AM  | -0.3 | 0.7 | -0.4 | 1.9 | 0.1 |
| 7/26/2020 1:12 AM  | -0.3 | 0.6 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 1:18 AM  | -0.2 | 0.6 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 1:24 AM  | -0.3 | 0.6 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 1:30 AM  | -0.3 | 0.6 | -0.4 | 1.6 | 0.1 |
| 7/26/2020 1:36 AM  | -0.3 | 0.6 | -0.4 | 1.6 | 0.1 |
| 7/26/2020 1:42 AM  | -0.2 | 0.6 | -0.4 | 1.6 | 0.1 |
| 7/26/2020 1:48 AM  | -0.2 | 0.6 | -0.4 | 1.6 | 0.1 |
| 7/26/2020 1:54 AM  | -0.2 | 0.6 | -0.4 | 1.6 | 0.1 |
| 7/26/2020 2:00 AM  | -0.2 | 0.5 | -0.4 | 1.6 | 0.1 |
| 7/26/2020 2:06 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 2:12 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 2:18 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 2:24 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 2:30 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 2:36 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 2:42 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 2:48 AM  | -0.2 | 0.5 | -0.4 | 1.6 | 0.1 |
| 7/26/2020 2:54 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 3:00 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 3:06 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 3:12 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 3:18 AM  | -0.2 | 0.5 | -0.4 | 1.4 | 0.1 |
| 7/26/2020 3:24 AM  | -0.2 | 0.5 | -0.4 | 1.4 | 0.1 |
| 7/26/2020 3:30 AM  | -0.2 | 0.6 | -0.4 | 1.5 | 0.1 |
| 7/26/2020 3:36 AM  | -0.2 | 0.6 | -0.4 | 1.4 | 0.1 |
| 7/26/2020 3:42 AM  | -0.2 | 0.6 | -0.4 | 1.4 | 0.1 |
| 7/26/2020 3:48 AM  | -0.2 | 0.5 | -0.4 | 1.5 | 0.1 |



|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/26/2020 3:54 AM | -0.2 | 0.5 | -0.4 | 1.5  | 0.1 |
| 7/26/2020 4:00 AM | -0.2 | 0.5 | -0.4 | 1.5  | 0.1 |
| 7/26/2020 4:06 AM | -0.2 | 0.8 | -0.4 | 1.5  | 0.1 |
| 7/26/2020 4:12 AM | -0.2 | 1.3 | -0.4 | 0.8  | 0.1 |
| 7/26/2020 4:18 AM | -0.2 | 1.3 | -0.4 | -0.1 | 0.1 |
| 7/26/2020 4:24 AM | -0.2 | 1.2 | -0.4 | -0.4 | 0.1 |
| 7/26/2020 4:30 AM | -0.2 | 1.2 | -0.4 | -0.4 | 0.1 |
| 7/26/2020 4:36 AM | -0.2 | 1.2 | -0.4 | -0.4 | 0.1 |
| 7/26/2020 4:42 AM | -0.2 | 1.2 | -0.4 | -0.4 | 0.1 |
| 7/26/2020 4:48 AM | -0.2 | 1.2 | -0.4 | -0.4 | 0.1 |
| 7/26/2020 4:54 AM | -0.2 | 1.2 | -0.4 | -0.4 | 0.1 |
| 7/26/2020 5:00 AM | -0.2 | 1.2 | -0.4 | -0.4 | 0.1 |
| 7/26/2020 5:06 AM | -0.2 | 2.1 | -0.4 | -0.4 | 0.1 |
| 7/26/2020 5:12 AM | -0.2 | 2.7 | -0.5 | -0.4 | 0.1 |
| 7/26/2020 5:18 AM | -0.3 | 2.1 | -0.5 | -0.4 | 0.1 |
| 7/26/2020 5:24 AM | -0.3 | 1.9 | -0.5 | -0.4 | 0.1 |
| 7/26/2020 5:30 AM | -0.3 | 1.9 | -0.5 | -0.4 | 0.1 |
| 7/26/2020 5:36 AM | -0.3 | 1.8 | -0.6 | -0.4 | 0.1 |
| 7/26/2020 5:42 AM | -0.3 | 1.7 | -0.7 | -0.4 | 0.1 |
| 7/26/2020 5:48 AM | -0.3 | 1.7 | -0.8 | -0.4 | 0.1 |
| 7/26/2020 5:54 AM | -0.3 | 1.6 | -0.8 | -0.4 | 0.1 |
| 7/26/2020 6:00 AM | -0.3 | 1.5 | -0.9 | -0.4 | 0.1 |
| 7/26/2020 6:06 AM | -0.3 | 1.5 | -0.9 | -0.4 | 0.1 |
| 7/26/2020 6:12 AM | -0.2 | 1.5 | -0.9 | -0.4 | 0.1 |
| 7/26/2020 6:18 AM | -0.2 | 1.5 | -0.9 | -0.4 | 0.1 |
| 7/26/2020 6:24 AM | -0.2 | 1.4 | -0.9 | -0.4 | 0.1 |
| 7/26/2020 6:30 AM | -0.2 | 0.9 | -0.9 | -0.4 | 0.1 |
| 7/26/2020 6:36 AM | -0.2 | 0.8 | -0.9 | -0.4 | 0.1 |
| 7/26/2020 6:42 AM | -0.2 | 0.9 | -0.8 | -0.4 | 0.1 |
| 7/26/2020 6:48 AM | -0.2 | 1.0 | -0.9 | -0.4 | 0.1 |
| 7/26/2020 6:54 AM | -0.2 | 1.1 | -0.9 | -0.4 | 0.1 |
| 7/26/2020 7:00 AM | -0.2 | 1.2 | -0.9 | -0.5 | 0.1 |
| 7/26/2020 7:06 AM | -0.2 | 1.4 | -0.9 | -0.4 | 0.1 |
| 7/26/2020 7:12 AM | -0.2 | 1.3 | -0.9 | -0.4 | 0.1 |
| 7/26/2020 7:18 AM | -0.2 | 1.3 | -0.9 | -0.5 | 0.1 |
| 7/26/2020 7:24 AM | -0.2 | 1.3 | -0.9 | -0.5 | 0.1 |
| 7/26/2020 7:30 AM | -0.2 | 1.3 | -0.9 | -0.5 | 0.1 |
| 7/26/2020 7:36 AM | -0.2 | 1.3 | -0.9 | -0.5 | 0.1 |
| 7/26/2020 7:42 AM | -0.2 | 1.3 | -0.9 | -0.5 | 0.1 |
| 7/26/2020 7:48 AM | -0.2 | 1.2 | -0.9 | 8.7  | 0.1 |
| 7/26/2020 7:54 AM | -0.2 | 0.9 | -0.9 | 16.5 | 0.1 |
| 7/26/2020 8:00 AM | -0.2 | 0.8 | -0.9 | 10.2 | 0.1 |
| 7/26/2020 8:06 AM | -0.2 | 0.8 | -0.9 | 6.4  | 0.1 |
| 7/26/2020 8:12 AM | -0.2 | 0.7 | -0.8 | 5.1  | 0.1 |
| 7/26/2020 8:18 AM | -0.2 | 0.6 | -0.8 | 4.7  | 0.1 |
| 7/26/2020 8:24 AM | -0.2 | 0.4 | -0.8 | 4.1  | 0.1 |
| 7/26/2020 8:30 AM | -0.2 | 0.3 | -0.8 | 3.1  | 0.1 |
| 7/26/2020 8:36 AM | -0.2 | 0.4 | -0.7 | 2.8  | 0.1 |
| 7/26/2020 8:42 AM | -0.1 | 0.5 | -0.6 | 2.7  | 0.1 |
| 7/26/2020 8:48 AM | -0.1 | 0.6 | -0.5 | 2.5  | 0.1 |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 7/26/2020 8:54 AM  | -0.1 | 0.6 | -0.3 | 2.5 | 0.1 |
| 7/26/2020 9:00 AM  | -0.1 | 0.6 | -0.1 | 2.5 | 0.1 |
| 7/26/2020 9:06 AM  | -0.1 | 0.7 | 0.0  | 2.5 | 0.1 |
| 7/26/2020 9:12 AM  | -0.1 | 0.7 | 0.1  | 2.3 | 0.1 |
| 7/26/2020 9:18 AM  | -0.1 | 0.7 | 0.1  | 2.2 | 0.1 |
| 7/26/2020 9:24 AM  | -0.1 | 0.7 | 0.1  | 2.2 | 0.1 |
| 7/26/2020 9:30 AM  | -0.1 | 0.7 | 0.1  | 2.3 | 0.1 |
| 7/26/2020 9:36 AM  | -0.1 | 0.7 | 0.1  | 2.4 | 0.1 |
| 7/26/2020 9:42 AM  | -0.1 | 0.7 | 0.1  | 2.3 | 0.1 |
| 7/26/2020 9:48 AM  | -0.1 | 0.7 | 0.1  | 2.2 | 0.1 |
| 7/26/2020 9:54 AM  | -0.1 | 0.7 | 0.1  | 2.1 | 0.1 |
| 7/26/2020 10:00 AM | -0.1 | 0.7 | 0.1  | 1.9 | 0.1 |
| 7/26/2020 10:06 AM | -0.1 | 0.6 | 0.1  | 2.0 | 0.1 |
| 7/26/2020 10:12 AM | -0.1 | 0.6 | 0.0  | 2.0 | 0.1 |
| 7/26/2020 10:18 AM | -0.1 | 0.7 | 0.0  | 1.9 | 0.1 |
| 7/26/2020 10:24 AM | -0.1 | 0.8 | 0.0  | 1.9 | 0.1 |
| 7/26/2020 10:30 AM | -0.1 | 0.8 | -0.1 | 1.9 | 0.1 |
| 7/26/2020 10:36 AM | -0.1 | 0.9 | -0.1 | 2.0 | 0.1 |
| 7/26/2020 10:42 AM | -0.1 | 0.8 | -0.1 | 2.0 | 0.1 |
| 7/26/2020 10:48 AM | -0.1 | 0.8 | -0.1 | 2.1 | 0.1 |
| 7/26/2020 10:54 AM | -0.1 | 0.8 | -0.1 | 2.1 | 0.1 |
| 7/26/2020 11:00 AM | -0.1 | 0.8 | -0.1 | 2.1 | 0.1 |
| 7/26/2020 11:06 AM | -0.1 | 0.8 | -0.1 | 2.1 | 0.1 |
| 7/26/2020 11:12 AM | -0.1 | 0.8 | -0.1 | 2.1 | 0.1 |
| 7/26/2020 11:18 AM | -0.1 | 0.9 | -0.1 | 2.1 | 0.1 |
| 7/26/2020 11:24 AM | -0.1 | 1.0 | -0.1 | 2.0 | 0.1 |
| 7/26/2020 11:30 AM | -0.1 | 0.9 | -0.1 | 2.1 | 0.1 |
| 7/26/2020 11:36 AM | -0.1 | 0.9 | -0.1 | 2.0 | 0.1 |
| 7/26/2020 11:42 AM | -0.1 | 0.8 | 0.0  | 1.9 | 0.1 |
| 7/26/2020 11:48 AM | -0.1 | 0.9 | 0.0  | 1.9 | 0.1 |
| 7/26/2020 11:54 AM | -0.1 | 0.9 | 0.0  | 1.8 | 0.1 |
| 7/26/2020 12:00 PM | 0.0  | 0.8 | 0.1  | 1.7 | 0.1 |
| 7/26/2020 12:06 PM | 0.0  | 0.9 | 0.1  | 1.8 | 0.1 |
| 7/26/2020 12:12 PM | 0.0  | 1.1 | 0.1  | 1.9 | 0.1 |
| 7/26/2020 12:18 PM | 0.0  | 1.2 | 0.1  | 1.9 | 0.1 |
| 7/26/2020 12:24 PM | 0.0  | 1.1 | 0.0  | 1.9 | 0.1 |
| 7/26/2020 12:30 PM | 0.0  | 1.1 | -0.1 | 1.9 | 0.1 |
| 7/26/2020 12:36 PM | 0.0  | 1.1 | -0.1 | 1.9 | 0.1 |
| 7/26/2020 12:42 PM | 0.0  | 1.1 | -0.2 | 2.0 | 0.1 |
| 7/26/2020 12:48 PM | 0.0  | 1.1 | -0.2 | 2.0 | 0.1 |
| 7/26/2020 12:54 PM | 0.0  | 1.2 | -0.3 | 2.0 | 0.1 |
| 7/26/2020 1:00 PM  | 0.0  | 1.2 | -0.2 | 2.0 | 0.1 |
| 7/26/2020 1:06 PM  | 0.0  | 1.2 | -0.2 | 2.1 | 0.1 |
| 7/26/2020 1:12 PM  | 0.0  | 1.1 | -0.1 | 2.1 | 0.1 |
| 7/26/2020 1:18 PM  | 0.0  | 1.1 | -0.1 | 2.1 | 0.1 |
| 7/26/2020 1:24 PM  | 0.0  | 1.1 | -0.1 | 2.1 | 0.1 |
| 7/26/2020 1:30 PM  | 0.0  | 1.1 | -0.1 | 2.1 | 0.1 |
| 7/26/2020 1:36 PM  | 0.0  | 1.1 | -0.2 | 2.2 | 0.1 |
| 7/26/2020 1:42 PM  | 0.0  | 1.2 | -0.3 | 2.1 | 0.1 |
| 7/26/2020 1:48 PM  | 0.0  | 1.2 | -0.3 | 2.1 | 0.1 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 7/26/2020 1:54 PM | 0.0  | 1.2 | -0.4 | 2.1 | 0.1 |
| 7/26/2020 2:00 PM | 0.0  | 1.1 | -0.4 | 2.1 | 0.1 |
| 7/26/2020 2:06 PM | 0.0  | 1.1 | -0.4 | 2.1 | 0.1 |
| 7/26/2020 2:12 PM | 0.0  | 1.1 | -0.4 | 2.4 | 0.1 |
| 7/26/2020 2:18 PM | 0.0  | 1.0 | -0.4 | 2.8 | 0.1 |
| 7/26/2020 2:24 PM | 0.0  | 1.0 | -0.4 | 2.6 | 0.1 |
| 7/26/2020 2:30 PM | 0.0  | 0.9 | -0.4 | 2.8 | 0.1 |
| 7/26/2020 2:36 PM | 0.0  | 0.7 | -0.4 | 2.6 | 0.1 |
| 7/26/2020 2:42 PM | 0.0  | 0.8 | -0.5 | 2.3 | 0.1 |
| 7/26/2020 2:48 PM | 0.0  | 0.8 | -0.5 | 2.3 | 0.1 |
| 7/26/2020 2:54 PM | 0.0  | 0.9 | -0.5 | 2.2 | 0.1 |
| 7/26/2020 3:00 PM | 0.0  | 0.8 | -0.6 | 2.2 | 0.1 |
| 7/26/2020 3:06 PM | 0.0  | 0.8 | -0.6 | 2.2 | 0.1 |
| 7/26/2020 3:12 PM | 0.0  | 0.8 | -0.5 | 2.3 | 0.1 |
| 7/26/2020 3:18 PM | 0.0  | 0.8 | -0.5 | 2.3 | 0.1 |
| 7/26/2020 3:24 PM | 0.0  | 0.8 | -0.5 | 2.3 | 0.1 |
| 7/26/2020 3:30 PM | 0.0  | 0.7 | -0.5 | 2.2 | 0.1 |
| 7/26/2020 3:36 PM | 0.0  | 0.8 | -0.5 | 2.2 | 0.1 |
| 7/26/2020 3:42 PM | -0.1 | 0.8 | -0.5 | 2.1 | 0.1 |
| 7/26/2020 3:48 PM | -0.1 | 0.7 | -0.5 | 2.1 | 0.1 |
| 7/26/2020 3:54 PM | -0.1 | 0.7 | -0.5 | 2.1 | 0.1 |
| 7/26/2020 4:00 PM | -0.1 | 0.7 | -0.5 | 2.2 | 0.1 |
| 7/26/2020 4:06 PM | -0.1 | 0.6 | -0.5 | 2.2 | 0.1 |
| 7/26/2020 4:12 PM | -0.1 | 0.6 | -0.5 | 2.2 | 0.1 |
| 7/26/2020 4:18 PM | -0.1 | 0.6 | -0.5 | 2.2 | 0.1 |
| 7/26/2020 4:24 PM | -0.1 | 0.6 | -0.5 | 2.2 | 0.1 |
| 7/26/2020 4:30 PM | -0.1 | 0.6 | -0.5 | 2.4 | 0.1 |
| 7/26/2020 4:36 PM | -0.1 | 0.5 | -0.5 | 2.1 | 0.1 |
| 7/26/2020 4:42 PM | -0.1 | 0.5 | -0.5 | 1.8 | 0.1 |
| 7/26/2020 4:48 PM | -0.1 | 0.5 | -0.5 | 1.9 | 0.1 |
| 7/26/2020 4:54 PM | -0.1 | 0.6 | -0.5 | 2.0 | 0.1 |
| 7/26/2020 5:00 PM | -0.1 | 0.6 | -0.5 | 2.0 | 0.1 |
| 7/26/2020 5:06 PM | -0.1 | 0.6 | -0.5 | 1.9 | 0.1 |
| 7/26/2020 5:12 PM | -0.1 | 0.6 | -0.5 | 1.9 | 0.1 |
| 7/26/2020 5:18 PM | -0.1 | 0.6 | -0.5 | 2.5 | 0.1 |
| 7/26/2020 5:24 PM | -0.1 | 0.6 | -0.5 | 2.6 | 0.1 |
| 7/26/2020 5:30 PM | -0.1 | 0.6 | -0.5 | 2.3 | 0.1 |
| 7/26/2020 5:36 PM | -0.1 | 0.7 | -0.5 | 2.3 | 0.1 |
| 7/26/2020 5:42 PM | -0.1 | 0.6 | -0.5 | 2.4 | 0.1 |
| 7/26/2020 5:48 PM | -0.1 | 0.6 | -0.5 | 2.4 | 0.1 |
| 7/26/2020 5:54 PM | -0.1 | 0.6 | -0.5 | 2.1 | 0.1 |
| 7/26/2020 6:00 PM | -0.1 | 0.6 | -0.5 | 1.8 | 0.1 |
| 7/26/2020 6:06 PM | -0.1 | 0.6 | -0.5 | 1.9 | 0.1 |
| 7/26/2020 6:12 PM | -0.1 | 0.6 | -0.5 | 1.9 | 0.1 |
| 7/26/2020 6:18 PM | -0.1 | 0.6 | -0.5 | 1.9 | 0.1 |
| 7/26/2020 6:24 PM | -0.1 | 0.6 | -0.4 | 1.9 | 0.1 |
| 7/26/2020 6:30 PM | -0.1 | 0.6 | -0.4 | 2.0 | 0.1 |
| 7/26/2020 6:36 PM | -0.1 | 0.6 | -0.4 | 2.0 | 0.1 |
| 7/26/2020 6:42 PM | -0.1 | 0.7 | -0.4 | 2.0 | 0.1 |
| 7/26/2020 6:48 PM | -0.1 | 0.7 | -0.4 | 1.9 | 0.1 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 7/26/2020 6:54 PM  | -0.1 | 0.7  | -0.4 | 2.0  | 0.1 |
| 7/26/2020 7:00 PM  | -0.1 | 0.7  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 7:06 PM  | -0.1 | 0.7  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 7:12 PM  | -0.1 | 0.6  | -0.5 | 2.0  | 0.1 |
| 7/26/2020 7:18 PM  | -0.1 | 0.6  | -0.5 | 2.0  | 0.1 |
| 7/26/2020 7:24 PM  | -0.1 | 0.6  | -0.5 | 1.9  | 0.1 |
| 7/26/2020 7:30 PM  | -0.1 | 0.6  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 7:36 PM  | -0.1 | 0.6  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 7:42 PM  | -0.1 | 0.6  | -0.4 | 2.0  | 0.1 |
| 7/26/2020 7:48 PM  | -0.1 | 0.6  | -0.4 | 2.0  | 0.1 |
| 7/26/2020 7:54 PM  | -0.1 | 0.6  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 8:00 PM  | -0.1 | 0.6  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 8:06 PM  | -0.1 | 0.6  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 8:12 PM  | -0.1 | 0.7  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 8:18 PM  | -0.1 | 0.7  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 8:24 PM  | -0.1 | 0.7  | -0.4 | 1.8  | 0.1 |
| 7/26/2020 8:30 PM  | -0.1 | 0.7  | -0.4 | 1.8  | 0.1 |
| 7/26/2020 8:36 PM  | -0.1 | 0.7  | -0.4 | 1.8  | 0.1 |
| 7/26/2020 8:42 PM  | -0.1 | 0.7  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 8:48 PM  | -0.1 | 0.6  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 8:54 PM  | -0.1 | 0.7  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 9:00 PM  | -0.1 | 0.7  | -0.4 | 1.8  | 0.1 |
| 7/26/2020 9:06 PM  | -0.1 | 0.7  | -0.4 | 2.0  | 0.1 |
| 7/26/2020 9:12 PM  | -0.1 | 0.7  | -0.4 | 2.0  | 0.1 |
| 7/26/2020 9:18 PM  | -0.1 | 0.7  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 9:24 PM  | -0.1 | 0.7  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 9:30 PM  | -0.1 | 0.7  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 9:36 PM  | -0.1 | 0.7  | -0.4 | 1.9  | 0.1 |
| 7/26/2020 9:42 PM  | -0.1 | 1.0  | -0.4 | 3.7  | 0.1 |
| 7/26/2020 9:48 PM  | -0.1 | 1.1  | -0.4 | 5.2  | 0.1 |
| 7/26/2020 9:54 PM  | -0.2 | 0.8  | -0.4 | 4.3  | 0.1 |
| 7/26/2020 10:00 PM | -0.2 | 0.6  | -0.4 | 3.9  | 0.1 |
| 7/26/2020 10:06 PM | -0.2 | 2.9  | -0.4 | 2.4  | 0.1 |
| 7/26/2020 10:12 PM | -0.2 | 4.6  | -0.4 | 0.1  | 0.1 |
| 7/26/2020 10:18 PM | -0.2 | 3.3  | -0.4 | -0.5 | 0.1 |
| 7/26/2020 10:24 PM | -0.2 | 2.7  | -0.4 | -0.5 | 0.1 |
| 7/26/2020 10:30 PM | -0.2 | 2.7  | -0.4 | -0.5 | 0.1 |
| 7/26/2020 10:36 PM | -0.2 | 2.9  | -0.4 | -0.5 | 0.1 |
| 7/26/2020 10:42 PM | -0.2 | 2.8  | -0.4 | -0.5 | 0.1 |
| 7/26/2020 10:48 PM | -0.2 | 2.6  | -0.4 | -0.5 | 0.1 |
| 7/26/2020 10:54 PM | -0.2 | 2.4  | -0.4 | -0.5 | 0.1 |
| 7/26/2020 11:00 PM | -0.2 | 2.3  | -0.4 | -0.5 | 0.1 |
| 7/26/2020 11:06 PM | -0.2 | 2.4  | -0.4 | 2.1  | 0.1 |
| 7/26/2020 11:12 PM | -0.2 | 2.4  | -0.4 | 12.8 | 0.1 |
| 7/26/2020 11:18 PM | -0.2 | 2.4  | -0.4 | 15.8 | 0.1 |
| 7/26/2020 11:24 PM | -0.2 | 1.7  | -0.4 | 9.5  | 0.1 |
| 7/26/2020 11:30 PM | -0.2 | 1.0  | -0.4 | 6.3  | 0.1 |
| 7/26/2020 11:36 PM | -0.2 | 0.5  | -0.4 | 3.3  | 0.1 |
| 7/26/2020 11:42 PM | -0.2 | -0.3 | -0.4 | -0.2 | 0.1 |
| 7/26/2020 11:48 PM | -0.2 | -0.4 | -0.4 | -0.5 | 0.1 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 7/26/2020 11:54 PM | -0.2 | -0.4 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 12:00 AM | -0.2 | -0.4 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 12:06 AM | -0.2 | -0.4 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 12:12 AM | -0.2 | -0.5 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 12:18 AM | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 12:24 AM | -0.2 | -0.5 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 12:30 AM | -0.2 | -0.5 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 12:36 AM | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 12:42 AM | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 12:48 AM | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 12:54 AM | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 1:00 AM  | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 1:06 AM  | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 1:12 AM  | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 1:18 AM  | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 1:24 AM  | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 1:30 AM  | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 1:36 AM  | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 1:42 AM  | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 1:48 AM  | -0.2 | -0.6 | -0.4 | -0.5 | 0.1  |
| 7/27/2020 1:54 AM  | -0.2 | -0.6 | -0.4 | -0.4 | 0.1  |
| 7/27/2020 2:00 AM  | -0.2 | -0.6 | -0.4 | -0.4 | 0.1  |
| 7/27/2020 2:06 AM  | -0.2 | -0.6 | -0.4 | -0.4 | 0.1  |
| 7/27/2020 2:12 AM  | -0.2 | -0.6 | -0.4 | -0.4 | 0.1  |
| 7/27/2020 2:18 AM  | -0.2 | -0.6 | -0.4 | -0.4 | 0.1  |
| 7/27/2020 2:24 AM  | -0.2 | -0.6 | -0.4 | -0.4 | 0.1  |
| 7/27/2020 2:30 AM  | -0.2 | -0.6 | -0.4 | -0.4 | 0.1  |
| 7/27/2020 2:36 AM  | -0.2 | -0.6 | -0.4 | -0.4 | 0.1  |
| 7/27/2020 2:42 AM  | -0.2 | -0.5 | -0.4 | -0.4 | 0.1  |
| 7/27/2020 2:48 AM  | -0.2 | -0.5 | -0.4 | -0.4 | 19.4 |
| 7/27/2020 2:54 AM  | -0.2 | -0.5 | -0.4 | -0.4 | 40.0 |
| 7/27/2020 3:00 AM  | -0.2 | -0.5 | -0.4 | -0.4 | 21.0 |
| 7/27/2020 3:06 AM  | -0.2 | 11.9 | -0.4 | -0.4 | 7.2  |
| 7/27/2020 3:12 AM  | -0.2 | 16.8 | -0.4 | -0.4 | 1.9  |
| 7/27/2020 3:18 AM  | -0.2 | 6.1  | -0.4 | -0.4 | 1.1  |
| 7/27/2020 3:24 AM  | -0.2 | 3.6  | -0.4 | -0.4 | 0.7  |
| 7/27/2020 3:30 AM  | -0.2 | 3.6  | -0.4 | 9.6  | 0.5  |
| 7/27/2020 3:36 AM  | -0.2 | 3.3  | -0.4 | 19.5 | 0.4  |
| 7/27/2020 3:42 AM  | -0.2 | 3.2  | -0.4 | 15.7 | 0.3  |
| 7/27/2020 3:48 AM  | -0.2 | 3.3  | -0.4 | 11.5 | 10.6 |
| 7/27/2020 3:54 AM  | -0.2 | 3.3  | -0.4 | 4.0  | 26.6 |
| 7/27/2020 4:00 AM  | -0.2 | 3.1  | -0.4 | -0.4 | 24.0 |
| 7/27/2020 4:06 AM  | -0.2 | 2.8  | -0.4 | -0.5 | 15.5 |
| 7/27/2020 4:12 AM  | -0.2 | 2.6  | -0.4 | -0.5 | 12.8 |
| 7/27/2020 4:18 AM  | -0.2 | 2.4  | -0.4 | -0.5 | 11.1 |
| 7/27/2020 4:24 AM  | -0.2 | 2.3  | -0.4 | -0.4 | 10.3 |
| 7/27/2020 4:30 AM  | -0.2 | 2.2  | -0.4 | -0.4 | 10.1 |
| 7/27/2020 4:36 AM  | -0.2 | 2.2  | -0.4 | -0.4 | 9.9  |
| 7/27/2020 4:42 AM  | -0.2 | 2.1  | -0.4 | -0.4 | 10.2 |
| 7/27/2020 4:48 AM  | -0.2 | 2.0  | -0.4 | -0.5 | 10.5 |

|                   |      |     |      |      |      |
|-------------------|------|-----|------|------|------|
| 7/27/2020 4:54 AM | -0.2 | 2.1 | -0.4 | -0.4 | 10.1 |
| 7/27/2020 5:00 AM | -0.2 | 2.0 | -0.4 | -0.4 | 9.4  |
| 7/27/2020 5:06 AM | -0.2 | 2.0 | -0.4 | -0.4 | 9.1  |
| 7/27/2020 5:12 AM | -0.2 | 2.0 | -0.4 | -0.4 | 8.8  |
| 7/27/2020 5:18 AM | -0.2 | 2.0 | -0.4 | -0.4 | 8.6  |
| 7/27/2020 5:24 AM | -0.3 | 2.0 | -0.5 | -0.4 | 8.6  |
| 7/27/2020 5:30 AM | -0.3 | 2.1 | -0.5 | -0.4 | 8.4  |
| 7/27/2020 5:36 AM | -0.3 | 2.0 | -0.6 | -0.4 | 8.3  |
| 7/27/2020 5:42 AM | -0.3 | 1.9 | -0.7 | -0.4 | 8.2  |
| 7/27/2020 5:48 AM | -0.3 | 1.9 | -0.8 | -0.4 | 8.4  |
| 7/27/2020 5:54 AM | -0.2 | 1.9 | -0.8 | -0.4 | 8.5  |
| 7/27/2020 6:00 AM | -0.2 | 1.3 | -0.9 | -0.4 | 6.3  |
| 7/27/2020 6:06 AM | -0.2 | 0.5 | -0.9 | -0.4 | 3.0  |
| 7/27/2020 6:12 AM | -0.2 | 0.5 | -0.9 | -0.4 | 2.5  |
| 7/27/2020 6:18 AM | -0.2 | 0.7 | -0.9 | -0.4 | 2.5  |
| 7/27/2020 6:24 AM | -0.2 | 0.9 | -0.9 | -0.4 | 2.6  |
| 7/27/2020 6:30 AM | -0.2 | 1.0 | -0.9 | -0.5 | 2.6  |
| 7/27/2020 6:36 AM | -0.2 | 0.9 | -0.9 | -0.5 | 2.7  |
| 7/27/2020 6:42 AM | -0.2 | 0.9 | -0.9 | -0.5 | 2.7  |
| 7/27/2020 6:48 AM | -0.2 | 0.9 | -0.9 | -0.4 | 2.7  |
| 7/27/2020 6:54 AM | -0.2 | 0.8 | -0.9 | -0.5 | 2.7  |
| 7/27/2020 7:00 AM | -0.2 | 0.8 | -0.9 | -0.5 | 2.7  |
| 7/27/2020 7:06 AM | -0.2 | 0.7 | -0.9 | -0.5 | 2.7  |
| 7/27/2020 7:12 AM | -0.2 | 0.6 | -0.9 | -0.5 | 2.7  |
| 7/27/2020 7:18 AM | -0.2 | 0.6 | -0.9 | -0.5 | 2.7  |
| 7/27/2020 7:24 AM | -0.2 | 0.5 | -0.9 | -0.5 | 2.7  |
| 7/27/2020 7:30 AM | -0.2 | 0.5 | -0.8 | -0.5 | 2.7  |
| 7/27/2020 7:36 AM | -0.2 | 0.5 | -0.8 | -0.5 | 2.7  |
| 7/27/2020 7:42 AM | -0.2 | 0.5 | -0.8 | -0.5 | 2.7  |
| 7/27/2020 7:48 AM | -0.2 | 0.5 | -0.8 | -0.5 | 2.7  |
| 7/27/2020 7:54 AM | -0.2 | 0.5 | -0.8 | -0.5 | 2.9  |
| 7/27/2020 8:00 AM | -0.2 | 0.5 | -0.8 | -0.5 | 2.9  |
| 7/27/2020 8:06 AM | -0.2 | 0.5 | -0.8 | -0.5 | 2.8  |
| 7/27/2020 8:12 AM | -0.2 | 0.5 | -0.8 | -0.5 | 2.8  |
| 7/27/2020 8:18 AM | -0.1 | 0.5 | -0.7 | -0.5 | 2.8  |
| 7/27/2020 8:24 AM | -0.1 | 0.5 | -0.7 | -0.5 | 2.8  |
| 7/27/2020 8:30 AM | -0.1 | 0.5 | -0.6 | -0.5 | 2.8  |
| 7/27/2020 8:36 AM | -0.1 | 0.5 | -0.5 | -0.5 | 2.9  |
| 7/27/2020 8:42 AM | -0.1 | 0.4 | -0.3 | -0.5 | 2.9  |
| 7/27/2020 8:48 AM | -0.1 | 0.5 | -0.1 | -0.5 | 2.9  |
| 7/27/2020 8:54 AM | -0.1 | 0.5 | 0.0  | -0.5 | 2.9  |
| 7/27/2020 9:00 AM | -0.1 | 0.5 | 0.0  | -0.5 | 2.9  |
| 7/27/2020 9:06 AM | -0.1 | 0.5 | -0.1 | -0.5 | 2.9  |
| 7/27/2020 9:12 AM | -0.1 | 0.5 | -0.1 | -0.5 | 3.0  |
| 7/27/2020 9:18 AM | -0.1 | 0.5 | -0.1 | -0.5 | 3.1  |
| 7/27/2020 9:24 AM | -0.1 | 0.6 | -0.1 | -0.4 | 3.0  |
| 7/27/2020 9:30 AM | -0.1 | 0.6 | -0.1 | -0.4 | 3.0  |
| 7/27/2020 9:36 AM | -0.1 | 0.6 | -0.1 | -0.4 | 3.0  |
| 7/27/2020 9:42 AM | -0.1 | 0.5 | 0.0  | -0.4 | 3.1  |
| 7/27/2020 9:48 AM | 0.0  | 0.5 | 0.0  | -0.4 | 3.1  |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/27/2020 9:54 AM  | 0.0  | 0.6 | 0.0  | -0.4 | 3.1 |
| 7/27/2020 10:00 AM | 0.0  | 0.5 | 0.0  | -0.4 | 3.1 |
| 7/27/2020 10:06 AM | 0.0  | 0.5 | 0.0  | -0.4 | 3.1 |
| 7/27/2020 10:12 AM | 0.0  | 0.5 | -0.1 | -0.4 | 3.1 |
| 7/27/2020 10:18 AM | 0.0  | 0.6 | -0.1 | -0.4 | 3.1 |
| 7/27/2020 10:24 AM | 0.0  | 0.6 | -0.1 | -0.4 | 3.1 |
| 7/27/2020 10:30 AM | 0.0  | 0.6 | -0.1 | -0.4 | 3.1 |
| 7/27/2020 10:36 AM | -0.1 | 0.5 | 0.0  | -0.4 | 3.1 |
| 7/27/2020 10:42 AM | -0.1 | 0.5 | 0.0  | -0.4 | 3.1 |
| 7/27/2020 10:48 AM | -0.1 | 0.5 | 0.0  | -0.4 | 3.1 |
| 7/27/2020 10:54 AM | -0.1 | 0.8 | 0.1  | -0.4 | 3.1 |
| 7/27/2020 11:00 AM | -0.1 | 1.0 | 0.1  | -0.4 | 3.1 |
| 7/27/2020 11:06 AM | -0.1 | 0.9 | 0.0  | -0.4 | 3.2 |
| 7/27/2020 11:12 AM | -0.1 | 0.9 | 0.0  | -0.4 | 3.3 |
| 7/27/2020 11:18 AM | -0.1 | 0.9 | -0.1 | -0.4 | 3.3 |
| 7/27/2020 11:24 AM | -0.1 | 0.9 | -0.1 | -0.4 | 3.3 |
| 7/27/2020 11:30 AM | -0.1 | 0.9 | -0.1 | -0.4 | 3.2 |
| 7/27/2020 11:36 AM | -0.1 | 0.9 | -0.1 | -0.4 | 3.1 |
| 7/27/2020 11:42 AM | 0.0  | 0.8 | -0.1 | -0.4 | 3.1 |
| 7/27/2020 11:48 AM | 0.0  | 0.8 | 0.0  | -0.4 | 3.2 |
| 7/27/2020 11:54 AM | 0.0  | 0.8 | 0.0  | -0.4 | 3.2 |
| 7/27/2020 12:00 PM | 0.0  | 0.9 | 0.1  | -0.3 | 3.2 |
| 7/27/2020 12:06 PM | 0.0  | 1.2 | 0.2  | -0.3 | 3.3 |
| 7/27/2020 12:12 PM | 0.0  | 1.4 | 0.2  | -0.4 | 3.3 |
| 7/27/2020 12:18 PM | 0.0  | 1.4 | 0.2  | -0.3 | 3.3 |
| 7/27/2020 12:24 PM | 0.0  | 1.3 | 0.2  | -0.3 | 3.3 |
| 7/27/2020 12:30 PM | 0.0  | 1.3 | 0.1  | -0.3 | 3.2 |
| 7/27/2020 12:36 PM | 0.0  | 1.2 | 0.0  | -0.3 | 3.2 |
| 7/27/2020 12:42 PM | 0.0  | 1.3 | 0.0  | -0.3 | 3.2 |
| 7/27/2020 12:48 PM | 0.0  | 1.3 | -0.1 | -0.3 | 3.2 |
| 7/27/2020 12:54 PM | 0.0  | 1.3 | -0.1 | -0.3 | 3.1 |
| 7/27/2020 1:00 PM  | 0.0  | 1.4 | -0.1 | -0.3 | 3.1 |
| 7/27/2020 1:06 PM  | 0.0  | 1.4 | -0.1 | -0.4 | 3.1 |
| 7/27/2020 1:12 PM  | 0.0  | 1.4 | 0.0  | -0.4 | 3.1 |
| 7/27/2020 1:18 PM  | 0.0  | 1.3 | -0.1 | -0.4 | 3.1 |
| 7/27/2020 1:24 PM  | 0.0  | 1.3 | 0.0  | -0.3 | 3.0 |
| 7/27/2020 1:30 PM  | -0.1 | 1.3 | -0.1 | -0.3 | 3.0 |
| 7/27/2020 1:36 PM  | -0.1 | 1.3 | -0.1 | -0.3 | 3.0 |
| 7/27/2020 1:42 PM  | -0.1 | 1.3 | -0.1 | -0.3 | 3.1 |
| 7/27/2020 1:48 PM  | 0.0  | 1.4 | -0.2 | -0.3 | 3.0 |
| 7/27/2020 1:54 PM  | 0.0  | 1.3 | -0.2 | -0.3 | 2.9 |
| 7/27/2020 2:00 PM  | 0.0  | 1.3 | -0.2 | -0.3 | 2.9 |
| 7/27/2020 2:06 PM  | 0.0  | 1.3 | -0.2 | -0.3 | 2.8 |
| 7/27/2020 2:12 PM  | 0.0  | 1.3 | -0.2 | -0.3 | 2.8 |
| 7/27/2020 2:18 PM  | 0.0  | 1.3 | -0.1 | -0.3 | 2.9 |
| 7/27/2020 2:24 PM  | 0.0  | 1.3 | -0.1 | -0.3 | 2.9 |
| 7/27/2020 2:30 PM  | 0.0  | 1.3 | -0.1 | -0.3 | 3.0 |
| 7/27/2020 2:36 PM  | 0.0  | 1.4 | -0.2 | -0.3 | 2.9 |
| 7/27/2020 2:42 PM  | 0.0  | 1.4 | -0.3 | -0.3 | 3.0 |
| 7/27/2020 2:48 PM  | 0.0  | 1.4 | -0.3 | -0.3 | 3.0 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/27/2020 2:54 PM | 0.0  | 1.3 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 3:00 PM | 0.0  | 1.2 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 3:06 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 3:12 PM | -0.1 | 0.9 | -0.4 | -0.3 | 2.9 |
| 7/27/2020 3:18 PM | -0.1 | 0.8 | -0.4 | -0.3 | 2.9 |
| 7/27/2020 3:24 PM | -0.1 | 0.9 | -0.4 | -0.3 | 2.9 |
| 7/27/2020 3:30 PM | -0.1 | 0.9 | -0.4 | -0.3 | 2.9 |
| 7/27/2020 3:36 PM | -0.1 | 1.0 | -0.4 | -0.3 | 2.9 |
| 7/27/2020 3:42 PM | -0.1 | 1.0 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 3:48 PM | -0.1 | 1.0 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 3:54 PM | -0.1 | 0.9 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 4:00 PM | -0.1 | 1.0 | -0.4 | -0.3 | 3.2 |
| 7/27/2020 4:06 PM | -0.1 | 1.0 | -0.4 | -0.3 | 3.2 |
| 7/27/2020 4:12 PM | -0.1 | 1.0 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 4:18 PM | -0.1 | 1.0 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 4:24 PM | -0.1 | 1.0 | -0.4 | -0.3 | 2.9 |
| 7/27/2020 4:30 PM | -0.1 | 1.0 | -0.4 | -0.3 | 2.9 |
| 7/27/2020 4:36 PM | -0.1 | 1.0 | -0.4 | -0.3 | 2.9 |
| 7/27/2020 4:42 PM | -0.1 | 1.0 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 4:48 PM | -0.1 | 0.9 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 4:54 PM | -0.1 | 0.9 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 5:00 PM | -0.1 | 0.9 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 5:06 PM | -0.1 | 1.0 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 5:12 PM | -0.1 | 1.0 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 5:18 PM | -0.1 | 1.3 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 5:24 PM | -0.1 | 1.4 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 5:30 PM | -0.1 | 1.3 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 5:36 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 5:42 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 5:48 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 5:54 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 6:00 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.2 |
| 7/27/2020 6:06 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.2 |
| 7/27/2020 6:12 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.2 |
| 7/27/2020 6:18 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 6:24 PM | -0.1 | 1.2 | -0.3 | -0.3 | 3.0 |
| 7/27/2020 6:30 PM | -0.1 | 1.2 | -0.3 | -0.3 | 3.0 |
| 7/27/2020 6:36 PM | -0.1 | 1.2 | -0.3 | -0.3 | 3.1 |
| 7/27/2020 6:42 PM | -0.1 | 1.3 | -0.3 | -0.3 | 3.1 |
| 7/27/2020 6:48 PM | -0.1 | 1.3 | -0.3 | -0.3 | 3.1 |
| 7/27/2020 6:54 PM | -0.1 | 1.2 | -0.3 | -0.3 | 3.0 |
| 7/27/2020 7:00 PM | -0.1 | 1.2 | -0.3 | -0.3 | 3.0 |
| 7/27/2020 7:06 PM | -0.1 | 1.2 | -0.3 | -0.3 | 3.0 |
| 7/27/2020 7:12 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 7:18 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 7:24 PM | -0.1 | 1.2 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 7:30 PM | -0.1 | 1.1 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 7:36 PM | -0.1 | 1.1 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 7:42 PM | -0.1 | 1.1 | -0.4 | -0.3 | 3.2 |
| 7/27/2020 7:48 PM | -0.2 | 1.1 | -0.4 | -0.3 | 3.2 |



|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/27/2020 7:54 PM  | -0.2 | 1.2 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 8:00 PM  | -0.2 | 1.1 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 8:06 PM  | -0.2 | 1.1 | -0.4 | -0.3 | 3.1 |
| 7/27/2020 8:12 PM  | -0.2 | 1.2 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 8:18 PM  | -0.2 | 1.1 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 8:24 PM  | -0.2 | 1.1 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 8:30 PM  | -0.2 | 1.1 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 8:36 PM  | -0.2 | 1.1 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 8:42 PM  | -0.2 | 1.1 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 8:48 PM  | -0.2 | 1.1 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 8:54 PM  | -0.2 | 1.1 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 9:00 PM  | -0.2 | 1.1 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 9:06 PM  | -0.2 | 1.0 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 9:12 PM  | -0.2 | 0.9 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 9:18 PM  | -0.2 | 0.7 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 9:24 PM  | -0.2 | 0.8 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 9:30 PM  | -0.2 | 0.8 | -0.4 | -0.3 | 3.0 |
| 7/27/2020 9:36 PM  | -0.2 | 0.8 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 9:42 PM  | -0.2 | 0.9 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 9:48 PM  | -0.2 | 0.9 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 9:54 PM  | -0.2 | 0.9 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 10:00 PM | -0.2 | 0.9 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 10:06 PM | -0.2 | 0.9 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 10:12 PM | -0.2 | 1.0 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 10:18 PM | -0.2 | 1.0 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 10:24 PM | -0.2 | 1.0 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 10:30 PM | -0.2 | 1.0 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 10:36 PM | -0.2 | 0.9 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 10:42 PM | -0.2 | 0.8 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 10:48 PM | -0.2 | 0.9 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 10:54 PM | -0.2 | 0.9 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 11:00 PM | -0.2 | 0.9 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 11:06 PM | -0.2 | 0.9 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 11:12 PM | -0.2 | 0.9 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 11:18 PM | -0.2 | 0.9 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 11:24 PM | -0.2 | 0.9 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 11:30 PM | -0.2 | 0.9 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 11:36 PM | -0.2 | 0.8 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 11:42 PM | -0.2 | 0.9 | -0.4 | -0.2 | 2.9 |
| 7/27/2020 11:48 PM | -0.2 | 0.8 | -0.4 | -0.2 | 3.0 |
| 7/27/2020 11:54 PM | -0.2 | 0.7 | -0.4 | -0.2 | 3.1 |
| 7/28/2020 12:00 AM | -0.2 | 0.8 | -0.4 | -0.2 | 3.1 |
| 7/28/2020 12:06 AM | -0.2 | 0.8 | -0.4 | -0.2 | 3.1 |
| 7/28/2020 12:12 AM | -0.2 | 0.7 | -0.4 | -0.2 | 3.0 |
| 7/28/2020 12:18 AM | -0.2 | 0.6 | -0.4 | -0.2 | 3.0 |
| 7/28/2020 12:24 AM | -0.2 | 0.6 | -0.4 | -0.2 | 3.0 |
| 7/28/2020 12:30 AM | -0.2 | 0.6 | -0.4 | -0.2 | 3.1 |
| 7/28/2020 12:36 AM | -0.2 | 0.6 | -0.4 | -0.2 | 3.1 |
| 7/28/2020 12:42 AM | -0.2 | 0.6 | -0.4 | -0.2 | 3.1 |
| 7/28/2020 12:48 AM | -0.2 | 0.6 | -0.4 | -0.2 | 3.1 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/28/2020 12:54 AM | -0.2 | 0.6 | -0.4 | -0.2 | 3.1 |
| 7/28/2020 1:00 AM  | -0.2 | 0.6 | -0.4 | -0.2 | 3.1 |
| 7/28/2020 1:06 AM  | -0.2 | 0.6 | -0.4 | -0.2 | 3.0 |
| 7/28/2020 1:12 AM  | -0.2 | 0.5 | -0.4 | -0.2 | 3.0 |
| 7/28/2020 1:18 AM  | -0.2 | 0.5 | -0.4 | -0.2 | 3.0 |
| 7/28/2020 1:24 AM  | -0.2 | 0.5 | -0.4 | -0.2 | 3.0 |
| 7/28/2020 1:30 AM  | -0.2 | 2.9 | -0.4 | -0.2 | 2.9 |
| 7/28/2020 1:36 AM  | -0.2 | 4.7 | -0.4 | -0.2 | 1.4 |
| 7/28/2020 1:42 AM  | -0.2 | 2.7 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 1:48 AM  | -0.2 | 1.9 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 1:54 AM  | -0.2 | 1.8 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 2:00 AM  | -0.2 | 1.7 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 2:06 AM  | -0.2 | 1.7 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 2:12 AM  | -0.2 | 1.7 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 2:18 AM  | -0.2 | 1.6 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 2:24 AM  | -0.2 | 1.6 | -0.4 | -0.2 | 0.1 |
| 7/28/2020 2:30 AM  | -0.2 | 1.6 | -0.4 | -0.2 | 0.1 |
| 7/28/2020 2:36 AM  | -0.2 | 1.7 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 2:42 AM  | -0.2 | 1.7 | -0.4 | -0.2 | 0.1 |
| 7/28/2020 2:48 AM  | -0.2 | 1.7 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 2:54 AM  | -0.2 | 1.6 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 3:00 AM  | -0.2 | 1.6 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 3:06 AM  | -0.2 | 1.5 | -0.4 | -0.2 | 0.1 |
| 7/28/2020 3:12 AM  | -0.2 | 1.6 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 3:18 AM  | -0.2 | 1.6 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 3:24 AM  | -0.2 | 1.6 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 3:30 AM  | -0.2 | 1.6 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 3:36 AM  | -0.2 | 1.6 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 3:42 AM  | -0.2 | 1.5 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 3:48 AM  | -0.2 | 1.4 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 3:54 AM  | -0.2 | 1.0 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 4:00 AM  | -0.2 | 0.9 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 4:06 AM  | -0.2 | 1.0 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 4:12 AM  | -0.2 | 1.0 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 4:18 AM  | -0.2 | 1.0 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 4:24 AM  | -0.2 | 1.0 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 4:30 AM  | -0.2 | 1.1 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 4:36 AM  | -0.2 | 1.2 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 4:42 AM  | -0.2 | 1.2 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 4:48 AM  | -0.2 | 1.2 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 4:54 AM  | -0.3 | 1.2 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 5:00 AM  | -0.3 | 1.3 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 5:06 AM  | -0.3 | 1.6 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 5:12 AM  | -0.3 | 1.7 | -0.4 | -0.2 | 0.2 |
| 7/28/2020 5:18 AM  | -0.3 | 1.6 | -0.5 | -0.2 | 0.1 |
| 7/28/2020 5:24 AM  | -0.3 | 1.6 | -0.5 | -0.2 | 0.2 |
| 7/28/2020 5:30 AM  | -0.3 | 1.5 | -0.6 | -0.2 | 0.2 |
| 7/28/2020 5:36 AM  | -0.3 | 1.5 | -0.7 | -0.2 | 0.2 |
| 7/28/2020 5:42 AM  | -0.3 | 1.6 | -0.8 | -0.2 | 0.2 |
| 7/28/2020 5:48 AM  | -0.3 | 1.5 | -0.8 | -0.2 | 0.2 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 7/28/2020 5:54 AM  | -0.3 | 1.6  | -0.8 | -0.2 | 0.2  |
| 7/28/2020 6:00 AM  | -0.3 | 1.5  | -0.8 | -0.2 | 0.2  |
| 7/28/2020 6:06 AM  | -0.2 | 1.6  | -0.8 | -0.2 | 0.2  |
| 7/28/2020 6:12 AM  | -0.2 | 1.6  | -0.8 | -0.2 | 0.2  |
| 7/28/2020 6:18 AM  | -0.2 | 1.6  | -0.8 | -0.2 | 0.2  |
| 7/28/2020 6:24 AM  | -0.2 | 1.6  | -0.8 | -0.2 | 0.2  |
| 7/28/2020 6:30 AM  | -0.2 | 1.7  | -0.8 | 11.2 | 0.2  |
| 7/28/2020 6:36 AM  | -0.2 | 0.8  | -0.8 | 23.6 | 0.2  |
| 7/28/2020 6:42 AM  | -0.2 | -0.2 | -0.8 | 21.3 | 0.2  |
| 7/28/2020 6:48 AM  | -0.2 | -0.1 | -0.8 | 17.2 | 0.2  |
| 7/28/2020 6:54 AM  | -0.2 | -0.3 | -0.8 | 15.6 | 0.2  |
| 7/28/2020 7:00 AM  | -0.2 | -0.4 | -0.8 | 16.9 | 3.5  |
| 7/28/2020 7:06 AM  | -0.2 | -0.4 | -0.8 | 15.6 | 11.2 |
| 7/28/2020 7:12 AM  | -0.2 | -0.4 | -0.8 | 12.8 | 12.2 |
| 7/28/2020 7:18 AM  | -0.2 | -0.4 | -0.8 | 11.3 | 9.3  |
| 7/28/2020 7:24 AM  | -0.2 | -0.5 | -0.7 | 11.2 | 7.7  |
| 7/28/2020 7:30 AM  | -0.2 | -0.4 | -0.7 | 10.9 | 6.2  |
| 7/28/2020 7:36 AM  | -0.2 | -0.4 | -0.7 | 8.4  | 5.1  |
| 7/28/2020 7:42 AM  | -0.2 | -0.5 | -0.7 | 5.9  | 4.4  |
| 7/28/2020 7:48 AM  | -0.2 | -0.5 | -0.7 | 5.6  | 4.1  |
| 7/28/2020 7:54 AM  | -0.2 | -0.5 | -0.7 | 5.6  | 3.9  |
| 7/28/2020 8:00 AM  | -0.2 | -0.5 | -0.7 | 5.7  | 3.7  |
| 7/28/2020 8:06 AM  | -0.2 | -0.5 | -0.7 | 5.6  | 3.7  |
| 7/28/2020 8:12 AM  | -0.2 | -0.4 | -0.7 | 5.3  | 3.6  |
| 7/28/2020 8:18 AM  | -0.2 | -0.4 | -0.7 | 4.9  | 3.5  |
| 7/28/2020 8:24 AM  | -0.2 | -0.5 | -0.7 | 4.6  | 3.4  |
| 7/28/2020 8:30 AM  | -0.1 | -0.5 | -0.6 | 4.5  | 3.2  |
| 7/28/2020 8:36 AM  | -0.1 | -0.4 | -0.5 | 4.3  | 3.1  |
| 7/28/2020 8:42 AM  | -0.1 | -0.4 | -0.4 | 4.3  | 3.1  |
| 7/28/2020 8:48 AM  | -0.1 | -0.5 | -0.2 | 5.8  | 3.0  |
| 7/28/2020 8:54 AM  | -0.1 | -0.5 | 0.0  | 7.0  | 3.0  |
| 7/28/2020 9:00 AM  | -0.1 | -0.5 | 0.2  | 6.5  | 2.9  |
| 7/28/2020 9:06 AM  | -0.1 | -0.5 | 0.2  | 6.1  | 2.9  |
| 7/28/2020 9:12 AM  | -0.1 | -0.5 | 0.2  | 5.8  | 2.9  |
| 7/28/2020 9:18 AM  | -0.1 | -0.5 | 0.1  | 5.5  | 2.8  |
| 7/28/2020 9:24 AM  | -0.1 | -0.5 | 0.1  | 5.4  | 2.9  |
| 7/28/2020 9:30 AM  | -0.1 | -0.5 | 0.1  | 5.4  | 2.9  |
| 7/28/2020 9:36 AM  | -0.1 | -0.5 | 0.1  | 5.4  | 2.9  |
| 7/28/2020 9:42 AM  | -0.1 | -0.5 | 0.2  | 5.5  | 2.9  |
| 7/28/2020 9:48 AM  | -0.1 | -0.5 | 0.2  | 5.5  | 2.8  |
| 7/28/2020 9:54 AM  | -0.1 | -0.5 | 0.2  | 5.5  | 2.7  |
| 7/28/2020 10:00 AM | -0.1 | -0.5 | 0.2  | 5.4  | 2.8  |
| 7/28/2020 10:06 AM | -0.1 | -0.5 | 0.1  | 5.4  | 2.8  |
| 7/28/2020 10:12 AM | -0.1 | -0.5 | 0.1  | 5.4  | 2.8  |
| 7/28/2020 10:18 AM | -0.1 | -0.4 | 0.1  | 5.4  | 2.9  |
| 7/28/2020 10:24 AM | -0.1 | -0.5 | 0.1  | 5.3  | 2.9  |
| 7/28/2020 10:30 AM | -0.1 | -0.4 | 0.0  | 5.5  | 2.8  |
| 7/28/2020 10:36 AM | -0.1 | -0.4 | 0.1  | 5.6  | 2.9  |
| 7/28/2020 10:42 AM | -0.1 | -0.4 | 0.1  | 5.4  | 2.8  |
| 7/28/2020 10:48 AM | -0.1 | -0.4 | 0.2  | 5.4  | 2.8  |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 7/28/2020 10:54 AM | -0.1 | -0.4 | 0.2  | 6.0 | 2.8 |
| 7/28/2020 11:00 AM | -0.1 | -0.4 | 0.2  | 6.1 | 2.9 |
| 7/28/2020 11:06 AM | -0.1 | -0.4 | 0.2  | 5.9 | 3.0 |
| 7/28/2020 11:12 AM | -0.1 | -0.4 | 0.1  | 5.6 | 2.9 |
| 7/28/2020 11:18 AM | -0.1 | -0.4 | 0.1  | 5.3 | 2.8 |
| 7/28/2020 11:24 AM | -0.1 | -0.4 | 0.1  | 4.9 | 2.9 |
| 7/28/2020 11:30 AM | -0.1 | -0.4 | 0.1  | 4.9 | 3.0 |
| 7/28/2020 11:36 AM | -0.1 | -0.4 | 0.1  | 5.1 | 3.0 |
| 7/28/2020 11:42 AM | -0.1 | -0.4 | 0.1  | 5.1 | 2.9 |
| 7/28/2020 11:48 AM | -0.1 | -0.4 | 0.1  | 5.2 | 3.0 |
| 7/28/2020 11:54 AM | -0.1 | -0.4 | 0.1  | 5.4 | 3.1 |
| 7/28/2020 12:00 PM | -0.1 | -0.4 | 0.1  | 5.4 | 3.2 |
| 7/28/2020 12:06 PM | -0.2 | -0.4 | 0.1  | 5.4 | 3.0 |
| 7/28/2020 12:12 PM | -0.2 | -0.4 | 0.1  | 5.5 | 3.0 |
| 7/28/2020 12:18 PM | -0.2 | 3.6  | 0.1  | 5.4 | 2.9 |
| 7/28/2020 12:24 PM | -0.2 | 7.0  | 0.0  | 5.2 | 2.9 |
| 7/28/2020 12:30 PM | -0.2 | 5.4  | 0.0  | 4.9 | 2.1 |
| 7/28/2020 12:36 PM | -0.2 | 4.9  | -0.1 | 4.7 | 0.7 |
| 7/28/2020 12:42 PM | -0.2 | 3.1  | -0.2 | 4.7 | 0.2 |
| 7/28/2020 12:48 PM | -0.2 | 2.4  | -0.2 | 4.5 | 0.2 |
| 7/28/2020 12:54 PM | -0.2 | 2.3  | -0.2 | 4.5 | 0.2 |
| 7/28/2020 1:00 PM  | -0.2 | 2.1  | -0.2 | 4.5 | 0.2 |
| 7/28/2020 1:06 PM  | -0.2 | 1.8  | -0.1 | 4.4 | 0.2 |
| 7/28/2020 1:12 PM  | -0.2 | 1.5  | -0.1 | 4.7 | 0.2 |
| 7/28/2020 1:18 PM  | -0.2 | 1.4  | -0.1 | 4.8 | 0.2 |
| 7/28/2020 1:24 PM  | -0.2 | 1.3  | 0.0  | 4.7 | 0.2 |
| 7/28/2020 1:30 PM  | -0.2 | 1.1  | 0.0  | 4.8 | 0.2 |
| 7/28/2020 1:36 PM  | -0.2 | 1.0  | -0.1 | 5.1 | 0.2 |
| 7/28/2020 1:42 PM  | -0.2 | 1.1  | -0.2 | 5.5 | 0.2 |
| 7/28/2020 1:48 PM  | -0.2 | 1.1  | -0.3 | 5.6 | 0.2 |
| 7/28/2020 1:54 PM  | -0.2 | 1.1  | -0.3 | 5.6 | 0.1 |
| 7/28/2020 2:00 PM  | -0.2 | 1.1  | -0.4 | 5.6 | 0.2 |
| 7/28/2020 2:06 PM  | -0.2 | 1.1  | -0.4 | 5.7 | 0.2 |
| 7/28/2020 2:12 PM  | -0.2 | 1.1  | -0.4 | 5.8 | 0.2 |
| 7/28/2020 2:18 PM  | -0.2 | 1.0  | -0.4 | 5.6 | 0.2 |
| 7/28/2020 2:24 PM  | -0.2 | 1.0  | -0.4 | 5.1 | 0.2 |
| 7/28/2020 2:30 PM  | -0.2 | 1.0  | -0.4 | 4.7 | 0.1 |
| 7/28/2020 2:36 PM  | -0.2 | 1.0  | -0.4 | 3.7 | 0.1 |
| 7/28/2020 2:42 PM  | -0.2 | 1.0  | -0.4 | 3.3 | 0.2 |
| 7/28/2020 2:48 PM  | -0.2 | 1.0  | -0.4 | 3.3 | 0.2 |
| 7/28/2020 2:54 PM  | -0.2 | 1.0  | -0.4 | 3.3 | 0.2 |
| 7/28/2020 3:00 PM  | -0.2 | 1.0  | -0.4 | 3.3 | 0.2 |
| 7/28/2020 3:06 PM  | -0.3 | 1.0  | -0.4 | 3.2 | 0.1 |
| 7/28/2020 3:12 PM  | -0.3 | 1.0  | -0.4 | 3.4 | 0.1 |
| 7/28/2020 3:18 PM  | -0.3 | 1.0  | -0.4 | 3.5 | 0.1 |
| 7/28/2020 3:24 PM  | -0.3 | 1.0  | -0.4 | 3.6 | 0.2 |
| 7/28/2020 3:30 PM  | -0.3 | 1.0  | -0.3 | 3.6 | 0.2 |
| 7/28/2020 3:36 PM  | -0.3 | 1.0  | -0.3 | 3.7 | 0.1 |
| 7/28/2020 3:42 PM  | -0.3 | 0.9  | -0.2 | 3.8 | 0.2 |
| 7/28/2020 3:48 PM  | -0.3 | 0.9  | -0.2 | 3.9 | 0.2 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 7/28/2020 3:54 PM | -0.3 | 0.9 | -0.2 | 3.9 | 0.2 |
| 7/28/2020 4:00 PM | -0.3 | 0.9 | -0.2 | 3.8 | 0.2 |
| 7/28/2020 4:06 PM | -0.3 | 0.9 | -0.2 | 3.8 | 0.2 |
| 7/28/2020 4:12 PM | -0.3 | 1.0 | -0.2 | 4.0 | 0.2 |
| 7/28/2020 4:18 PM | -0.3 | 1.0 | -0.3 | 4.0 | 0.2 |
| 7/28/2020 4:24 PM | -0.3 | 1.0 | -0.3 | 4.0 | 0.2 |
| 7/28/2020 4:30 PM | -0.3 | 1.4 | -0.3 | 4.8 | 0.2 |
| 7/28/2020 4:36 PM | -0.3 | 1.7 | -0.3 | 5.3 | 0.2 |
| 7/28/2020 4:42 PM | -0.3 | 1.5 | -0.3 | 5.0 | 0.2 |
| 7/28/2020 4:48 PM | -0.3 | 1.3 | -0.3 | 4.8 | 0.3 |
| 7/28/2020 4:54 PM | -0.3 | 1.1 | -0.2 | 4.9 | 0.2 |
| 7/28/2020 5:00 PM | -0.3 | 1.1 | -0.2 | 4.9 | 0.2 |
| 7/28/2020 5:06 PM | -0.3 | 1.1 | -0.3 | 4.6 | 0.2 |
| 7/28/2020 5:12 PM | -0.3 | 1.1 | -0.3 | 4.5 | 0.2 |
| 7/28/2020 5:18 PM | -0.3 | 1.2 | -0.3 | 4.5 | 0.2 |
| 7/28/2020 5:24 PM | -0.3 | 1.2 | -0.3 | 4.6 | 0.2 |
| 7/28/2020 5:30 PM | -0.3 | 1.2 | -0.3 | 4.5 | 0.2 |
| 7/28/2020 5:36 PM | -0.3 | 1.2 | -0.3 | 4.5 | 0.2 |
| 7/28/2020 5:42 PM | -0.3 | 1.1 | -0.3 | 4.4 | 0.2 |
| 7/28/2020 5:48 PM | -0.3 | 1.0 | -0.3 | 4.3 | 0.2 |
| 7/28/2020 5:54 PM | -0.3 | 1.0 | -0.3 | 4.2 | 0.2 |
| 7/28/2020 6:00 PM | -0.3 | 0.9 | -0.3 | 4.2 | 0.2 |
| 7/28/2020 6:06 PM | -0.3 | 1.0 | -0.3 | 4.0 | 0.2 |
| 7/28/2020 6:12 PM | -0.3 | 1.0 | -0.3 | 3.7 | 0.2 |
| 7/28/2020 6:18 PM | -0.3 | 0.9 | -0.3 | 3.0 | 0.2 |
| 7/28/2020 6:24 PM | -0.3 | 0.9 | -0.3 | 2.5 | 0.2 |
| 7/28/2020 6:30 PM | -0.3 | 1.0 | -0.3 | 2.5 | 0.2 |
| 7/28/2020 6:36 PM | -0.3 | 1.0 | -0.3 | 2.7 | 0.2 |
| 7/28/2020 6:42 PM | -0.3 | 1.1 | -0.2 | 2.6 | 0.2 |
| 7/28/2020 6:48 PM | -0.3 | 1.1 | -0.2 | 2.6 | 0.2 |
| 7/28/2020 6:54 PM | -0.3 | 1.1 | -0.2 | 2.6 | 0.1 |
| 7/28/2020 7:00 PM | -0.3 | 1.1 | -0.2 | 2.7 | 0.2 |
| 7/28/2020 7:06 PM | -0.3 | 1.1 | -0.2 | 2.8 | 0.2 |
| 7/28/2020 7:12 PM | -0.3 | 1.0 | -0.2 | 2.8 | 0.2 |
| 7/28/2020 7:18 PM | -0.3 | 1.0 | -0.2 | 2.7 | 0.2 |
| 7/28/2020 7:24 PM | -0.3 | 1.0 | -0.2 | 2.6 | 0.2 |
| 7/28/2020 7:30 PM | -0.3 | 1.1 | -0.2 | 2.6 | 0.2 |
| 7/28/2020 7:36 PM | -0.3 | 1.1 | -0.2 | 2.7 | 0.2 |
| 7/28/2020 7:42 PM | -0.3 | 1.1 | -0.2 | 2.8 | 0.2 |
| 7/28/2020 7:48 PM | -0.3 | 1.1 | -0.2 | 2.8 | 3.3 |
| 7/28/2020 7:54 PM | -0.3 | 1.1 | -0.2 | 2.8 | 4.2 |
| 7/28/2020 8:00 PM | -0.3 | 1.1 | -0.2 | 2.8 | 0.5 |
| 7/28/2020 8:06 PM | -0.3 | 1.1 | -0.2 | 2.7 | 0.2 |
| 7/28/2020 8:12 PM | -0.3 | 1.0 | -0.2 | 2.6 | 0.2 |
| 7/28/2020 8:18 PM | -0.3 | 1.0 | -0.2 | 2.5 | 0.2 |
| 7/28/2020 8:24 PM | -0.3 | 1.1 | -0.1 | 2.4 | 0.2 |
| 7/28/2020 8:30 PM | -0.3 | 1.0 | -0.1 | 2.5 | 0.1 |
| 7/28/2020 8:36 PM | -0.3 | 1.0 | -0.1 | 2.6 | 0.2 |
| 7/28/2020 8:42 PM | -0.3 | 1.0 | -0.1 | 2.5 | 0.1 |
| 7/28/2020 8:48 PM | -0.3 | 1.0 | -0.1 | 2.5 | 0.1 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 7/28/2020 8:54 PM  | -0.3 | 1.0  | -0.1 | 2.5  | 0.2 |
| 7/28/2020 9:00 PM  | -0.3 | 1.0  | -0.1 | 2.4  | 0.1 |
| 7/28/2020 9:06 PM  | -0.3 | 1.0  | -0.1 | 2.4  | 0.1 |
| 7/28/2020 9:12 PM  | -0.3 | 0.9  | -0.1 | 2.5  | 0.1 |
| 7/28/2020 9:18 PM  | -0.3 | 0.9  | -0.1 | 2.5  | 0.1 |
| 7/28/2020 9:24 PM  | -0.3 | 0.9  | -0.1 | 2.5  | 0.1 |
| 7/28/2020 9:30 PM  | -0.3 | 0.9  | -0.1 | 2.6  | 0.1 |
| 7/28/2020 9:36 PM  | -0.3 | 0.9  | -0.1 | 2.7  | 0.1 |
| 7/28/2020 9:42 PM  | -0.3 | 0.9  | -0.1 | 2.6  | 0.1 |
| 7/28/2020 9:48 PM  | -0.3 | 0.9  | -0.1 | 2.2  | 0.1 |
| 7/28/2020 9:54 PM  | -0.3 | 0.8  | -0.1 | 2.2  | 0.1 |
| 7/28/2020 10:00 PM | -0.3 | 0.8  | -0.1 | 2.2  | 0.1 |
| 7/28/2020 10:06 PM | -0.3 | 0.8  | -0.1 | 2.2  | 0.1 |
| 7/28/2020 10:12 PM | -0.4 | 0.9  | -0.1 | 2.3  | 0.1 |
| 7/28/2020 10:18 PM | -0.4 | 0.8  | -0.1 | 2.3  | 0.1 |
| 7/28/2020 10:24 PM | -0.4 | 0.8  | -0.1 | 2.3  | 0.1 |
| 7/28/2020 10:30 PM | -0.4 | 0.8  | -0.1 | 2.2  | 0.1 |
| 7/28/2020 10:36 PM | -0.3 | 0.7  | -0.2 | 2.2  | 0.1 |
| 7/28/2020 10:42 PM | -0.3 | 0.7  | -0.2 | 2.2  | 0.1 |
| 7/28/2020 10:48 PM | -0.3 | 0.7  | -0.2 | 2.1  | 0.1 |
| 7/28/2020 10:54 PM | -0.4 | 0.7  | -0.2 | 2.1  | 0.1 |
| 7/28/2020 11:00 PM | -0.4 | 0.7  | -0.1 | 2.0  | 0.1 |
| 7/28/2020 11:06 PM | -0.4 | 0.7  | -0.1 | 1.9  | 0.1 |
| 7/28/2020 11:12 PM | -0.4 | 0.7  | -0.1 | 2.0  | 0.1 |
| 7/28/2020 11:18 PM | -0.4 | 0.7  | -0.1 | 2.0  | 0.1 |
| 7/28/2020 11:24 PM | -0.4 | 0.7  | -0.1 | 1.9  | 0.1 |
| 7/28/2020 11:30 PM | -0.4 | 0.7  | -0.1 | 2.9  | 0.1 |
| 7/28/2020 11:36 PM | -0.4 | 0.3  | -0.1 | 6.3  | 0.1 |
| 7/28/2020 11:42 PM | -0.4 | -0.3 | -0.1 | 7.4  | 0.1 |
| 7/28/2020 11:48 PM | -0.4 | -0.7 | -0.1 | 6.9  | 0.1 |
| 7/28/2020 11:54 PM | -0.4 | -0.7 | -0.1 | 6.7  | 0.1 |
| 7/29/2020 12:00 AM | -0.4 | -0.7 | -0.1 | 6.6  | 0.1 |
| 7/29/2020 12:06 AM | -0.4 | -0.6 | -0.1 | 7.6  | 0.1 |
| 7/29/2020 12:12 AM | -0.4 | -0.6 | -0.1 | 10.6 | 0.1 |
| 7/29/2020 12:18 AM | -0.4 | -0.6 | -0.1 | 12.2 | 0.1 |
| 7/29/2020 12:24 AM | -0.4 | -0.6 | -0.1 | 12.0 | 0.1 |
| 7/29/2020 12:30 AM | -0.4 | -0.6 | -0.1 | 11.8 | 0.1 |
| 7/29/2020 12:36 AM | -0.4 | -0.7 | -0.1 | 11.9 | 0.1 |
| 7/29/2020 12:42 AM | -0.4 | -0.7 | -0.1 | 12.0 | 0.1 |
| 7/29/2020 12:48 AM | -0.4 | -0.6 | -0.1 | 12.3 | 0.1 |
| 7/29/2020 12:54 AM | -0.4 | -0.6 | -0.1 | 12.6 | 0.1 |
| 7/29/2020 1:00 AM  | -0.4 | -0.6 | -0.1 | 12.4 | 0.1 |
| 7/29/2020 1:06 AM  | -0.4 | -0.6 | -0.1 | 12.5 | 0.1 |
| 7/29/2020 1:12 AM  | -0.4 | -0.6 | -0.1 | 12.6 | 0.1 |
| 7/29/2020 1:18 AM  | -0.4 | -0.6 | -0.1 | 12.3 | 0.1 |
| 7/29/2020 1:24 AM  | -0.4 | -0.6 | -0.1 | 11.9 | 0.1 |
| 7/29/2020 1:30 AM  | -0.4 | -0.6 | -0.1 | 11.8 | 0.1 |
| 7/29/2020 1:36 AM  | -0.4 | -0.6 | -0.1 | 12.1 | 0.1 |
| 7/29/2020 1:42 AM  | -0.4 | -0.6 | -0.1 | 12.5 | 0.1 |
| 7/29/2020 1:48 AM  | -0.4 | -0.6 | -0.1 | 12.6 | 0.1 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 7/29/2020 1:54 AM | -0.4 | -0.6 | -0.1 | 12.6 | 0.1 |
| 7/29/2020 2:00 AM | -0.4 | -0.6 | -0.1 | 12.8 | 0.1 |
| 7/29/2020 2:06 AM | -0.4 | -0.6 | -0.1 | 13.0 | 0.1 |
| 7/29/2020 2:12 AM | -0.4 | -0.6 | -0.1 | 13.1 | 0.1 |
| 7/29/2020 2:18 AM | -0.4 | -0.6 | -0.1 | 13.1 | 0.1 |
| 7/29/2020 2:24 AM | -0.4 | -0.6 | -0.1 | 13.0 | 0.1 |
| 7/29/2020 2:30 AM | -0.4 | -0.6 | -0.1 | 13.0 | 0.1 |
| 7/29/2020 2:36 AM | -0.4 | -0.6 | -0.1 | 12.4 | 0.2 |
| 7/29/2020 2:42 AM | -0.4 | -0.5 | -0.1 | 12.5 | 0.1 |
| 7/29/2020 2:48 AM | -0.4 | -0.6 | -0.1 | 13.0 | 0.1 |
| 7/29/2020 2:54 AM | -0.4 | -0.6 | -0.1 | 13.2 | 0.1 |
| 7/29/2020 3:00 AM | -0.4 | -0.6 | -0.1 | 13.3 | 0.1 |
| 7/29/2020 3:06 AM | -0.4 | -0.6 | -0.1 | 13.1 | 0.1 |
| 7/29/2020 3:12 AM | -0.4 | -0.6 | -0.1 | 12.9 | 0.1 |
| 7/29/2020 3:18 AM | -0.4 | -0.5 | -0.1 | 13.1 | 0.1 |
| 7/29/2020 3:24 AM | -0.4 | -0.6 | -0.1 | 13.1 | 0.1 |
| 7/29/2020 3:30 AM | -0.4 | -0.6 | -0.1 | 12.8 | 0.1 |
| 7/29/2020 3:36 AM | -0.4 | -0.5 | -0.1 | 12.9 | 0.1 |
| 7/29/2020 3:42 AM | -0.4 | 4.9  | -0.1 | 9.4  | 0.2 |
| 7/29/2020 3:48 AM | -0.4 | 4.6  | -0.1 | 4.1  | 0.1 |
| 7/29/2020 3:54 AM | -0.4 | 2.0  | -0.1 | 3.5  | 0.2 |
| 7/29/2020 4:00 AM | -0.4 | 1.4  | -0.1 | 3.7  | 0.1 |
| 7/29/2020 4:06 AM | -0.4 | 1.2  | -0.1 | 3.9  | 0.1 |
| 7/29/2020 4:12 AM | -0.4 | 1.1  | -0.1 | 4.0  | 0.1 |
| 7/29/2020 4:18 AM | -0.4 | 1.0  | -0.1 | 3.9  | 0.1 |
| 7/29/2020 4:24 AM | -0.4 | 1.0  | -0.1 | 3.8  | 0.1 |
| 7/29/2020 4:30 AM | -0.4 | 0.7  | -0.1 | 4.7  | 0.2 |
| 7/29/2020 4:36 AM | -0.4 | -0.1 | -0.1 | 6.5  | 0.2 |
| 7/29/2020 4:42 AM | -0.4 | -0.5 | -0.1 | 6.6  | 0.1 |
| 7/29/2020 4:48 AM | -0.4 | -0.6 | -0.1 | 6.4  | 0.1 |
| 7/29/2020 4:54 AM | -0.4 | -0.5 | -0.1 | 6.7  | 0.1 |
| 7/29/2020 5:00 AM | -0.4 | -0.6 | -0.1 | 7.8  | 0.2 |
| 7/29/2020 5:06 AM | -0.4 | -0.6 | -0.1 | 8.4  | 0.2 |
| 7/29/2020 5:12 AM | -0.4 | -0.6 | -0.1 | 8.6  | 0.1 |
| 7/29/2020 5:18 AM | -0.4 | -0.6 | -0.2 | 8.5  | 0.1 |
| 7/29/2020 5:24 AM | -0.4 | -0.6 | -0.3 | 8.0  | 0.2 |
| 7/29/2020 5:30 AM | -0.4 | -0.5 | -0.4 | 8.0  | 0.2 |
| 7/29/2020 5:36 AM | -0.4 | -0.5 | -0.5 | 8.1  | 0.2 |
| 7/29/2020 5:42 AM | -0.4 | -0.5 | -0.6 | 8.1  | 0.2 |
| 7/29/2020 5:48 AM | -0.4 | -0.5 | -0.7 | 8.0  | 0.2 |
| 7/29/2020 5:54 AM | -0.4 | -0.5 | -0.9 | 8.0  | 0.2 |
| 7/29/2020 6:00 AM | -0.4 | -0.5 | -0.9 | 8.4  | 0.2 |
| 7/29/2020 6:06 AM | -0.4 | -0.5 | -0.9 | 8.5  | 0.2 |
| 7/29/2020 6:12 AM | -0.4 | -0.5 | -0.8 | 8.8  | 0.2 |
| 7/29/2020 6:18 AM | -0.4 | -0.5 | -0.8 | 9.3  | 0.1 |
| 7/29/2020 6:24 AM | -0.4 | -0.5 | -0.8 | 9.9  | 0.2 |
| 7/29/2020 6:30 AM | -0.4 | -0.5 | -0.8 | 12.2 | 0.2 |
| 7/29/2020 6:36 AM | -0.4 | -0.6 | -0.8 | 14.1 | 0.2 |
| 7/29/2020 6:42 AM | -0.4 | -0.6 | -0.9 | 13.8 | 0.2 |
| 7/29/2020 6:48 AM | -0.4 | -0.6 | -0.9 | 14.2 | 0.2 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 7/29/2020 6:54 AM  | -0.4 | -0.6 | -0.8 | 14.3 | 0.2 |
| 7/29/2020 7:00 AM  | -0.4 | -0.6 | -0.7 | 13.4 | 0.2 |
| 7/29/2020 7:06 AM  | -0.4 | -0.5 | -0.6 | 12.8 | 0.2 |
| 7/29/2020 7:12 AM  | -0.4 | -0.6 | -0.7 | 12.7 | 0.2 |
| 7/29/2020 7:18 AM  | -0.4 | -0.5 | -0.8 | 12.8 | 0.2 |
| 7/29/2020 7:24 AM  | -0.4 | -0.5 | -0.8 | 12.5 | 0.2 |
| 7/29/2020 7:30 AM  | -0.4 | -0.6 | -0.8 | 12.7 | 0.2 |
| 7/29/2020 7:36 AM  | -0.4 | -0.6 | -0.8 | 12.8 | 0.2 |
| 7/29/2020 7:42 AM  | -0.4 | -0.5 | -0.8 | 12.5 | 0.1 |
| 7/29/2020 7:48 AM  | -0.4 | -0.5 | -0.8 | 12.5 | 0.2 |
| 7/29/2020 7:54 AM  | -0.4 | 3.5  | -0.8 | 11.6 | 0.2 |
| 7/29/2020 8:00 AM  | -0.3 | 8.1  | -0.8 | 7.5  | 0.2 |
| 7/29/2020 8:06 AM  | -0.3 | 4.8  | -0.8 | 5.2  | 0.2 |
| 7/29/2020 8:12 AM  | -0.3 | 2.6  | -0.8 | 5.4  | 0.2 |
| 7/29/2020 8:18 AM  | -0.3 | 1.9  | -0.7 | 5.4  | 0.2 |
| 7/29/2020 8:24 AM  | -0.3 | 1.7  | -0.7 | 5.2  | 0.2 |
| 7/29/2020 8:30 AM  | -0.3 | 1.5  | -0.6 | 5.2  | 0.2 |
| 7/29/2020 8:36 AM  | -0.3 | 1.4  | -0.5 | 5.2  | 0.2 |
| 7/29/2020 8:42 AM  | -0.3 | 1.2  | -0.4 | 5.1  | 0.2 |
| 7/29/2020 8:48 AM  | -0.3 | 1.2  | -0.2 | 5.0  | 0.2 |
| 7/29/2020 8:54 AM  | -0.3 | 1.1  | 0.0  | 4.8  | 0.2 |
| 7/29/2020 9:00 AM  | -0.3 | 1.1  | 0.1  | 4.9  | 0.2 |
| 7/29/2020 9:06 AM  | -0.3 | 1.1  | 0.1  | 5.0  | 0.2 |
| 7/29/2020 9:12 AM  | -0.3 | 1.0  | 0.1  | 4.9  | 0.2 |
| 7/29/2020 9:18 AM  | -0.3 | 0.9  | 0.1  | 4.8  | 0.2 |
| 7/29/2020 9:24 AM  | -0.2 | 0.9  | 0.1  | 5.0  | 0.2 |
| 7/29/2020 9:30 AM  | -0.2 | 0.9  | 0.1  | 5.1  | 0.2 |
| 7/29/2020 9:36 AM  | -0.2 | 0.8  | 0.1  | 4.9  | 0.2 |
| 7/29/2020 9:42 AM  | -0.2 | 0.8  | 0.1  | 5.0  | 0.2 |
| 7/29/2020 9:48 AM  | -0.2 | 0.8  | 0.1  | 4.8  | 0.2 |
| 7/29/2020 9:54 AM  | -0.2 | 0.8  | 0.1  | 4.7  | 0.2 |
| 7/29/2020 10:00 AM | -0.2 | 0.8  | 0.1  | 4.5  | 0.2 |
| 7/29/2020 10:06 AM | -0.2 | 0.8  | 0.1  | 4.4  | 0.2 |
| 7/29/2020 10:12 AM | -0.2 | 0.8  | 0.1  | 4.7  | 0.2 |
| 7/29/2020 10:18 AM | -0.2 | 0.8  | 0.1  | 4.9  | 0.2 |
| 7/29/2020 10:24 AM | -0.2 | 0.8  | 0.1  | 5.3  | 0.2 |
| 7/29/2020 10:30 AM | -0.2 | 0.8  | 0.1  | 5.5  | 0.2 |
| 7/29/2020 10:36 AM | -0.2 | 0.8  | 0.1  | 5.5  | 0.2 |
| 7/29/2020 10:42 AM | -0.2 | 0.8  | 0.2  | 5.7  | 0.2 |
| 7/29/2020 10:48 AM | -0.2 | 0.8  | 0.2  | 5.9  | 0.2 |
| 7/29/2020 10:54 AM | -0.2 | 0.7  | 0.2  | 6.1  | 0.2 |
| 7/29/2020 11:00 AM | -0.2 | 0.7  | 0.2  | 6.4  | 0.2 |
| 7/29/2020 11:06 AM | -0.2 | 0.7  | 0.2  | 6.2  | 0.2 |
| 7/29/2020 11:12 AM | -0.2 | 0.7  | 0.2  | 6.0  | 0.2 |
| 7/29/2020 11:18 AM | -0.2 | 0.7  | 0.1  | 6.1  | 0.2 |
| 7/29/2020 11:24 AM | -0.2 | 0.7  | 0.1  | 6.0  | 0.2 |
| 7/29/2020 11:30 AM | -0.2 | 0.7  | 0.1  | 6.0  | 0.2 |
| 7/29/2020 11:36 AM | -0.2 | 0.7  | 0.1  | 6.0  | 0.2 |
| 7/29/2020 11:42 AM | -0.2 | 0.7  | 0.0  | 5.9  | 0.2 |
| 7/29/2020 11:48 AM | -0.2 | 0.7  | 0.0  | 5.8  | 0.2 |



|                    |          |          |          |          |          |
|--------------------|----------|----------|----------|----------|----------|
| 7/29/2020 11:54 AM | -0.2     | 0.7      | 0.0      | 5.5      | 0.2      |
| 7/29/2020 12:00 PM | -0.2     | 0.7      | 0.0      | 5.3      | 0.2      |
| 7/29/2020 12:06 PM | -0.3     | 0.7      | 0.1      | 5.3      | 0.1      |
| 7/29/2020 12:12 PM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 7/29/2020 12:18 PM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 7/29/2020 12:24 PM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 7/29/2020 12:30 PM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 7/29/2020 12:36 PM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 7/29/2020 12:42 PM | -0.3     | 0.7      | 0.0      | 4.6      | 0.1      |
| 7/29/2020 12:48 PM | -0.3     | 0.7      | 0.0      | 4.4      | 0.1      |
| 7/29/2020 12:54 PM | -0.3     | 0.7      | 0.0      | 4.4      | 0.1      |
| 7/29/2020 1:00 PM  | -0.3     | 0.7      | 0.0      | 4.4      | 0.1      |
| 7/29/2020 1:06 PM  | -0.3     | 0.7      | 0.1      | 4.2      | 0.1      |
| 7/29/2020 1:12 PM  | -0.3     | 0.7      | 0.0      | 4.2      | 0.1      |
| 7/29/2020 1:18 PM  | -0.3     | 0.8      | 0.0      | 4.2      | 0.1      |
| 7/29/2020 1:24 PM  | -0.3     | 0.8      | 0.0      | 4.1      | 0.1      |
| 7/29/2020 1:30 PM  | -0.3     | 0.8      | -0.1     | 3.9      | 0.1      |
| 7/29/2020 1:36 PM  | -0.3     | 0.8      | -0.1     | 3.9      | 0.1      |
| 7/29/2020 1:42 PM  | -0.3     | 0.8      | -0.2     | 3.9      | 0.1      |
| 7/29/2020 1:48 PM  | -0.3     | 0.8      | -0.2     | 4.0      | 0.1      |
| 7/29/2020 1:54 PM  | -0.3     | 0.8      | -0.2     | 4.0      | 0.1      |
| 7/29/2020 2:00 PM  | -0.3     | 0.8      | -0.2     | 3.9      | 0.1      |
| 7/29/2020 2:06 PM  | -0.3     | 0.7      | -0.2     | 4.0      | 0.1      |
| 7/29/2020 2:12 PM  | -0.3     | 0.7      | -0.2     | 4.0      | 0.1      |
| 7/29/2020 2:18 PM  | -0.3     | 0.7      | -0.2     | 3.7      | 0.1      |
| 7/29/2020 2:24 PM  | -0.3     | 0.7      | -0.1     | 3.6      | 0.1      |
| 7/29/2020 2:30 PM  | -0.3     | 0.7      | -0.1     | 3.7      | 0.1      |
| 7/29/2020 2:36 PM  | -0.3     | 0.8      | -0.1     | 3.7      | 0.1      |
| 7/29/2020 2:42 PM  | -0.3     | 0.8      | -0.2     | 3.6      | 0.1      |
| 7/29/2020 2:48 PM  | -0.3     | 0.8      | -0.3     | 3.5      | 0.1      |
| 7/29/2020 2:54 PM  | -0.3     | 0.8      | -0.3     | 3.6      | 0.1      |
| 7/29/2020 3:00 PM  | -0.3     | 0.8      | -0.3     | 3.8      | 0.1      |
| 7/29/2020 3:06 PM  | -0.3     | 0.8      | -0.4     | 3.7      | 0.1      |
| 7/29/2020 3:12 PM  | -0.3     | 0.8      | -0.4     | 3.7      | 0.1      |
| 7/29/2020 3:18 PM  | -0.3     | 0.8      | -0.3     | 3.8      | 0.1      |
| 7/29/2020 3:24 PM  | -0.3     | 0.8      | -0.3     | 3.9      | 0.1      |
| 7/29/2020 3:30 PM  | -0.3     | 0.8      | -0.3     | 4.0      | 0.1      |
| 7/29/2020 3:36 PM  | -0.3     | 0.9      | -0.3     | 4.1      | 0.1      |
| 7/29/2020 3:42 PM  | -0.3     | 0.9      | -0.3     | 4.5      | 0.1      |
| 7/29/2020 3:48 PM  | -0.3     | 0.8      | -0.4     | 4.8      | 0.1      |
| 7/29/2020 3:54 PM  | -0.3     | 0.8      | -0.4     | 4.6      | 0.1      |
| 7/29/2020 4:00 PM  | -0.3     | 0.7      | -0.4     | 4.4      | 0.1      |
| 7/29/2020 4:06 PM  | -0.3     | 0.7      | -0.4     | 4.4      | 0.1      |
| 7/29/2020 4:12 PM  | -0.3     | 0.7      | -0.4     | 4.3      | 0.1      |
| 7/29/2020 4:18 PM  | -0.3     | 0.7      | -0.4     | 4.3      | 0.1      |
| 7/29/2020 4:24 PM  | -0.3     | 0.7      | -0.4     | 4.4      | 0.1      |
| 7/29/2020 4:30 PM  | -0.3     | 0.8      | -0.5     | 4.4      | 0.1      |
| 7/29/2020 4:36 PM  | -0.3     | 0.7      | -0.5     | 4.3      | 0.1      |
| 7/29/2020 4:42 PM  | -0.3     | 0.8      | -0.4     | 4.3      | 0.1      |
| 7/29/2020 4:48 PM  | -0.3     | 0.8      | -0.4     | 4.3      | 0.1      |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 7/29/2020 4:54 PM | -0.3 | 0.8 | -0.4 | 4.1 | 0.1 |
| 7/29/2020 5:00 PM | -0.3 | 0.8 | -0.4 | 4.1 | 0.1 |
| 7/29/2020 5:06 PM | -0.3 | 0.8 | -0.4 | 4.1 | 0.1 |
| 7/29/2020 5:12 PM | -0.3 | 0.8 | -0.4 | 4.0 | 0.1 |
| 7/29/2020 5:18 PM | -0.3 | 0.8 | -0.4 | 4.1 | 0.1 |
| 7/29/2020 5:24 PM | -0.3 | 0.8 | -0.4 | 4.2 | 0.1 |
| 7/29/2020 5:30 PM | -0.3 | 0.8 | -0.4 | 4.3 | 0.1 |
| 7/29/2020 5:36 PM | -0.3 | 0.8 | -0.4 | 4.4 | 0.1 |
| 7/29/2020 5:42 PM | -0.3 | 0.8 | -0.4 | 4.3 | 0.1 |
| 7/29/2020 5:48 PM | -0.3 | 0.9 | -0.4 | 3.9 | 0.1 |
| 7/29/2020 5:54 PM | -0.3 | 0.8 | -0.4 | 3.8 | 0.1 |
| 7/29/2020 6:00 PM | -0.3 | 0.8 | -0.4 | 3.8 | 0.1 |
| 7/29/2020 6:06 PM | -0.3 | 0.8 | -0.4 | 3.8 | 0.1 |
| 7/29/2020 6:12 PM | -0.3 | 0.9 | -0.3 | 3.8 | 0.1 |
| 7/29/2020 6:18 PM | -0.3 | 0.9 | -0.3 | 3.8 | 0.1 |
| 7/29/2020 6:24 PM | -0.3 | 0.9 | -0.3 | 3.9 | 0.1 |
| 7/29/2020 6:30 PM | -0.3 | 0.9 | -0.3 | 3.9 | 0.1 |
| 7/29/2020 6:36 PM | -0.3 | 1.0 | -0.2 | 3.9 | 0.1 |
| 7/29/2020 6:42 PM | -0.3 | 0.9 | -0.2 | 4.1 | 0.1 |
| 7/29/2020 6:48 PM | -0.3 | 0.9 | -0.2 | 4.4 | 0.1 |
| 7/29/2020 6:54 PM | -0.3 | 0.9 | -0.3 | 4.4 | 0.1 |
| 7/29/2020 7:00 PM | -0.3 | 0.9 | -0.3 | 4.6 | 0.1 |
| 7/29/2020 7:06 PM | -0.3 | 0.9 | -0.3 | 4.5 | 0.1 |
| 7/29/2020 7:12 PM | -0.3 | 1.0 | -0.4 | 4.5 | 0.1 |
| 7/29/2020 7:18 PM | -0.3 | 1.0 | -0.4 | 4.5 | 0.1 |
| 7/29/2020 7:24 PM | -0.3 | 0.9 | -0.4 | 4.4 | 0.1 |
| 7/29/2020 7:30 PM | -0.3 | 0.9 | -0.4 | 4.3 | 0.1 |
| 7/29/2020 7:36 PM | -0.3 | 0.9 | -0.4 | 3.8 | 0.1 |
| 7/29/2020 7:42 PM | -0.4 | 0.9 | -0.4 | 3.2 | 0.1 |
| 7/29/2020 7:48 PM | -0.4 | 1.0 | -0.4 | 3.2 | 0.1 |
| 7/29/2020 7:54 PM | -0.4 | 0.9 | -0.4 | 3.2 | 0.1 |
| 7/29/2020 8:00 PM | -0.4 | 0.9 | -0.4 | 3.2 | 0.1 |
| 7/29/2020 8:06 PM | -0.4 | 1.0 | -0.4 | 3.3 | 0.1 |
| 7/29/2020 8:12 PM | -0.4 | 0.9 | -0.4 | 3.2 | 0.1 |
| 7/29/2020 8:18 PM | -0.4 | 0.9 | -0.4 | 3.2 | 0.1 |
| 7/29/2020 8:24 PM | -0.4 | 0.9 | -0.4 | 3.1 | 0.1 |
| 7/29/2020 8:30 PM | -0.4 | 0.9 | -0.4 | 3.0 | 0.1 |
| 7/29/2020 8:36 PM | -0.4 | 0.9 | -0.4 | 3.0 | 0.1 |
| 7/29/2020 8:42 PM | -0.4 | 0.9 | -0.4 | 3.2 | 0.1 |
| 7/29/2020 8:48 PM | -0.4 | 0.9 | -0.4 | 3.4 | 0.1 |
| 7/29/2020 8:54 PM | -0.4 | 1.0 | -0.4 | 3.4 | 0.1 |
| 7/29/2020 9:00 PM | -0.4 | 1.0 | -0.4 | 3.4 | 0.1 |
| 7/29/2020 9:06 PM | -0.4 | 0.9 | -0.4 | 3.6 | 0.1 |
| 7/29/2020 9:12 PM | -0.4 | 0.9 | -0.4 | 3.4 | 0.1 |
| 7/29/2020 9:18 PM | -0.4 | 0.9 | -0.4 | 3.0 | 0.1 |
| 7/29/2020 9:24 PM | -0.4 | 1.0 | -0.4 | 3.0 | 0.1 |
| 7/29/2020 9:30 PM | -0.4 | 1.0 | -0.4 | 3.0 | 0.1 |
| 7/29/2020 9:36 PM | -0.4 | 0.9 | -0.4 | 3.0 | 0.1 |
| 7/29/2020 9:42 PM | -0.4 | 0.9 | -0.4 | 3.2 | 0.1 |
| 7/29/2020 9:48 PM | -0.4 | 1.0 | -0.4 | 3.3 | 0.1 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/29/2020 9:54 PM  | -0.4 | 1.1 | -0.4 | 3.1  | 0.1 |
| 7/29/2020 10:00 PM | -0.4 | 1.1 | -0.4 | 3.0  | 0.1 |
| 7/29/2020 10:06 PM | -0.4 | 1.1 | -0.4 | 3.0  | 0.1 |
| 7/29/2020 10:12 PM | -0.4 | 1.2 | -0.4 | 3.0  | 0.1 |
| 7/29/2020 10:18 PM | -0.4 | 1.1 | -0.4 | 2.9  | 0.1 |
| 7/29/2020 10:24 PM | -0.4 | 1.1 | -0.4 | 3.0  | 0.1 |
| 7/29/2020 10:30 PM | -0.4 | 1.1 | -0.4 | 3.1  | 0.1 |
| 7/29/2020 10:36 PM | -0.4 | 1.1 | -0.4 | 3.2  | 0.1 |
| 7/29/2020 10:42 PM | -0.4 | 1.2 | -0.4 | 3.2  | 0.1 |
| 7/29/2020 10:48 PM | -0.4 | 1.2 | -0.4 | 3.2  | 0.1 |
| 7/29/2020 10:54 PM | -0.4 | 1.2 | -0.4 | 3.0  | 0.1 |
| 7/29/2020 11:00 PM | -0.4 | 1.1 | -0.4 | 2.9  | 0.1 |
| 7/29/2020 11:06 PM | -0.4 | 1.1 | -0.4 | 2.9  | 0.1 |
| 7/29/2020 11:12 PM | -0.4 | 1.0 | -0.4 | 2.8  | 0.1 |
| 7/29/2020 11:18 PM | -0.4 | 1.0 | -0.5 | 2.6  | 0.1 |
| 7/29/2020 11:24 PM | -0.4 | 1.0 | -0.5 | 2.6  | 0.1 |
| 7/29/2020 11:30 PM | -0.4 | 1.0 | -0.5 | 2.4  | 0.1 |
| 7/29/2020 11:36 PM | -0.4 | 1.0 | -0.5 | 2.4  | 0.1 |
| 7/29/2020 11:42 PM | -0.4 | 1.0 | -0.5 | 2.4  | 0.1 |
| 7/29/2020 11:48 PM | -0.4 | 1.0 | -0.5 | 2.3  | 0.1 |
| 7/29/2020 11:54 PM | -0.4 | 1.2 | -0.5 | 1.7  | 0.1 |
| 7/30/2020 12:00 AM | -0.4 | 1.5 | -0.5 | 0.2  | 0.1 |
| 7/30/2020 12:06 AM | -0.4 | 1.3 | -0.5 | -0.5 | 0.1 |
| 7/30/2020 12:12 AM | -0.4 | 1.2 | -0.5 | -0.5 | 0.1 |
| 7/30/2020 12:18 AM | -0.4 | 1.2 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 12:24 AM | -0.4 | 1.1 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 12:30 AM | -0.4 | 1.1 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 12:36 AM | -0.4 | 1.2 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 12:42 AM | -0.4 | 1.2 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 12:48 AM | -0.4 | 1.2 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 12:54 AM | -0.4 | 1.2 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 1:00 AM  | -0.4 | 1.1 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 1:06 AM  | -0.4 | 1.1 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 1:12 AM  | -0.3 | 1.0 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 1:18 AM  | -0.3 | 1.5 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 1:24 AM  | -0.4 | 2.0 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 1:30 AM  | -0.4 | 1.8 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 1:36 AM  | -0.4 | 1.7 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 1:42 AM  | -0.4 | 1.7 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 1:48 AM  | -0.4 | 1.7 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 1:54 AM  | -0.4 | 1.6 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 2:00 AM  | -0.4 | 1.6 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 2:06 AM  | -0.4 | 1.6 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 2:12 AM  | -0.4 | 1.6 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 2:18 AM  | -0.4 | 1.6 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 2:24 AM  | -0.4 | 1.6 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 2:30 AM  | -0.4 | 1.4 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 2:36 AM  | -0.4 | 1.4 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 2:42 AM  | -0.4 | 1.4 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 2:48 AM  | -0.4 | 1.3 | -0.3 | -0.5 | 0.1 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 7/30/2020 2:54 AM | -0.4 | 1.3 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 3:00 AM | -0.4 | 1.3 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 3:06 AM | -0.4 | 1.3 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 3:12 AM | -0.4 | 1.3 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 3:18 AM | -0.4 | 1.3 | -0.3 | -0.5 | 0.1 |
| 7/30/2020 3:24 AM | -0.4 | 1.2 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 3:30 AM | -0.4 | 1.2 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 3:36 AM | -0.4 | 1.2 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 3:42 AM | -0.4 | 1.2 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 3:48 AM | -0.4 | 1.3 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 3:54 AM | -0.4 | 1.3 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 4:00 AM | -0.4 | 1.3 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 4:06 AM | -0.4 | 1.3 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 4:12 AM | -0.4 | 1.3 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 4:18 AM | -0.4 | 1.3 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 4:24 AM | -0.4 | 1.3 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 4:30 AM | -0.4 | 1.3 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 4:36 AM | -0.4 | 1.2 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 4:42 AM | -0.4 | 1.3 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 4:48 AM | -0.4 | 1.4 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 4:54 AM | -0.4 | 1.4 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 5:00 AM | -0.4 | 1.4 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 5:06 AM | -0.4 | 1.4 | -0.4 | -0.4 | 0.1 |
| 7/30/2020 5:12 AM | -0.4 | 1.4 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 5:18 AM | -0.4 | 1.4 | -0.4 | -0.5 | 0.1 |
| 7/30/2020 5:24 AM | -0.4 | 1.4 | -0.5 | -0.5 | 0.1 |
| 7/30/2020 5:30 AM | -0.4 | 1.4 | -0.6 | -0.5 | 0.1 |
| 7/30/2020 5:36 AM | -0.4 | 1.3 | -0.6 | -0.4 | 0.1 |
| 7/30/2020 5:42 AM | -0.4 | 1.2 | -0.6 | -0.4 | 0.1 |
| 7/30/2020 5:48 AM | -0.4 | 1.2 | -0.6 | -0.5 | 0.1 |
| 7/30/2020 5:54 AM | -0.4 | 1.2 | -0.6 | -0.5 | 0.1 |
| 7/30/2020 6:00 AM | -0.4 | 1.1 | -0.7 | -0.5 | 0.1 |
| 7/30/2020 6:06 AM | -0.4 | 1.2 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 6:12 AM | -0.4 | 1.3 | -0.8 | -0.4 | 0.1 |
| 7/30/2020 6:18 AM | -0.4 | 1.3 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 6:24 AM | -0.4 | 1.4 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 6:30 AM | -0.4 | 1.5 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 6:36 AM | -0.4 | 1.5 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 6:42 AM | -0.4 | 1.6 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 6:48 AM | -0.4 | 1.6 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 6:54 AM | -0.4 | 1.5 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 7:00 AM | -0.4 | 1.6 | -0.7 | -0.5 | 0.1 |
| 7/30/2020 7:06 AM | -0.4 | 1.6 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 7:12 AM | -0.4 | 1.6 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 7:18 AM | -0.4 | 1.6 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 7:24 AM | -0.4 | 1.9 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 7:30 AM | -0.4 | 2.5 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 7:36 AM | -0.4 | 2.7 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 7:42 AM | -0.4 | 2.6 | -0.8 | -0.5 | 0.1 |
| 7/30/2020 7:48 AM | -0.4 | 2.4 | -0.8 | -0.5 | 0.1 |

|                    |      |     |      |      |      |
|--------------------|------|-----|------|------|------|
| 7/30/2020 7:54 AM  | -0.3 | 2.3 | -0.7 | -0.5 | 0.1  |
| 7/30/2020 8:00 AM  | -0.3 | 2.3 | -0.8 | -0.5 | 0.1  |
| 7/30/2020 8:06 AM  | -0.3 | 2.3 | -0.8 | -0.5 | 7.5  |
| 7/30/2020 8:12 AM  | -0.3 | 2.3 | -0.8 | -0.5 | 8.8  |
| 7/30/2020 8:18 AM  | -0.3 | 2.2 | -0.7 | -0.5 | 1.1  |
| 7/30/2020 8:24 AM  | -0.3 | 2.2 | -0.7 | -0.5 | 0.6  |
| 7/30/2020 8:30 AM  | -0.3 | 2.3 | -0.6 | -0.5 | 0.6  |
| 7/30/2020 8:36 AM  | -0.3 | 2.3 | -0.4 | -0.5 | 0.5  |
| 7/30/2020 8:42 AM  | -0.3 | 2.2 | -0.2 | -0.5 | 8.8  |
| 7/30/2020 8:48 AM  | -0.3 | 1.5 | 0.0  | -0.5 | 18.1 |
| 7/30/2020 8:54 AM  | -0.3 | 0.9 | 0.1  | -0.5 | 12.8 |
| 7/30/2020 9:00 AM  | -0.3 | 0.9 | 0.2  | -0.5 | 8.1  |
| 7/30/2020 9:06 AM  | -0.3 | 0.8 | 0.2  | -0.5 | 7.1  |
| 7/30/2020 9:12 AM  | -0.3 | 0.7 | 0.1  | -0.5 | 7.2  |
| 7/30/2020 9:18 AM  | -0.3 | 0.7 | 0.1  | -0.5 | 7.1  |
| 7/30/2020 9:24 AM  | -0.3 | 0.7 | 0.1  | -0.5 | 6.5  |
| 7/30/2020 9:30 AM  | -0.3 | 0.6 | 0.1  | -0.5 | 5.7  |
| 7/30/2020 9:36 AM  | -0.3 | 0.6 | 0.1  | -0.5 | 4.8  |
| 7/30/2020 9:42 AM  | -0.3 | 0.6 | 0.1  | -0.5 | 4.1  |
| 7/30/2020 9:48 AM  | -0.2 | 0.6 | 0.1  | -0.5 | 3.7  |
| 7/30/2020 9:54 AM  | -0.2 | 0.6 | 0.1  | -0.5 | 3.5  |
| 7/30/2020 10:00 AM | -0.2 | 0.7 | 0.1  | -0.5 | 3.4  |
| 7/30/2020 10:06 AM | -0.2 | 0.7 | 0.1  | -0.5 | 3.3  |
| 7/30/2020 10:12 AM | -0.2 | 0.7 | 0.1  | -0.5 | 3.3  |
| 7/30/2020 10:18 AM | -0.2 | 0.7 | 0.0  | -0.5 | 3.3  |
| 7/30/2020 10:24 AM | -0.2 | 0.7 | 0.0  | -0.5 | 3.3  |
| 7/30/2020 10:30 AM | -0.2 | 0.8 | 0.0  | -0.5 | 3.4  |
| 7/30/2020 10:36 AM | -0.2 | 0.8 | 0.0  | -0.5 | 3.4  |
| 7/30/2020 10:42 AM | -0.2 | 0.7 | 0.1  | -0.5 | 3.3  |
| 7/30/2020 10:48 AM | -0.2 | 0.7 | 0.1  | -0.5 | 3.2  |
| 7/30/2020 10:54 AM | -0.2 | 0.6 | 0.2  | -0.4 | 3.2  |
| 7/30/2020 11:00 AM | -0.2 | 0.7 | 0.2  | -0.4 | 3.1  |
| 7/30/2020 11:06 AM | -0.2 | 0.7 | 0.2  | -0.4 | 3.1  |
| 7/30/2020 11:12 AM | -0.2 | 0.7 | 0.2  | -0.4 | 3.0  |
| 7/30/2020 11:18 AM | -0.2 | 0.7 | 0.2  | -0.4 | 2.8  |
| 7/30/2020 11:24 AM | -0.2 | 0.7 | 0.2  | -0.4 | 2.8  |
| 7/30/2020 11:30 AM | -0.2 | 0.7 | 0.2  | -0.5 | 2.9  |
| 7/30/2020 11:36 AM | -0.2 | 0.7 | 0.2  | -0.4 | 3.0  |
| 7/30/2020 11:42 AM | -0.2 | 0.7 | 0.2  | -0.4 | 2.9  |
| 7/30/2020 11:48 AM | -0.2 | 0.7 | 0.2  | -0.4 | 3.0  |
| 7/30/2020 11:54 AM | -0.2 | 0.6 | 0.2  | -0.4 | 2.9  |
| 7/30/2020 12:00 PM | -0.2 | 0.6 | 0.2  | -0.4 | 2.9  |
| 7/30/2020 12:06 PM | -0.2 | 0.7 | 0.2  | -0.4 | 3.0  |
| 7/30/2020 12:12 PM | -0.2 | 0.7 | 0.1  | -0.4 | 3.0  |
| 7/30/2020 12:18 PM | -0.2 | 0.8 | 0.1  | -0.4 | 3.1  |
| 7/30/2020 12:24 PM | -0.2 | 0.8 | 0.0  | -0.4 | 3.1  |
| 7/30/2020 12:30 PM | -0.2 | 0.8 | 0.0  | -0.4 | 3.1  |
| 7/30/2020 12:36 PM | -0.2 | 0.8 | 0.0  | -0.4 | 3.2  |
| 7/30/2020 12:42 PM | -0.2 | 0.8 | -0.1 | -0.4 | 3.2  |
| 7/30/2020 12:48 PM | -0.2 | 0.8 | -0.1 | -0.4 | 3.1  |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/30/2020 12:54 PM | -0.3 | 0.8 | -0.1 | -0.4 | 3.1 |
| 7/30/2020 1:00 PM  | -0.3 | 0.8 | -0.1 | -0.4 | 3.1 |
| 7/30/2020 1:06 PM  | -0.3 | 0.8 | -0.1 | -0.4 | 3.2 |
| 7/30/2020 1:12 PM  | -0.3 | 0.8 | 0.0  | -0.4 | 3.2 |
| 7/30/2020 1:18 PM  | -0.3 | 0.8 | 0.0  | -0.4 | 3.1 |
| 7/30/2020 1:24 PM  | -0.3 | 0.8 | -0.1 | -0.4 | 3.1 |
| 7/30/2020 1:30 PM  | -0.3 | 0.8 | -0.2 | -0.4 | 3.1 |
| 7/30/2020 1:36 PM  | -0.3 | 0.8 | -0.2 | -0.4 | 3.1 |
| 7/30/2020 1:42 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 3.0 |
| 7/30/2020 1:48 PM  | -0.3 | 0.8 | -0.3 | -0.4 | 3.0 |
| 7/30/2020 1:54 PM  | -0.3 | 0.8 | -0.4 | -0.4 | 3.0 |
| 7/30/2020 2:00 PM  | -0.3 | 0.8 | -0.4 | -0.4 | 3.0 |
| 7/30/2020 2:06 PM  | -0.3 | 0.8 | -0.4 | -0.4 | 3.0 |
| 7/30/2020 2:12 PM  | -0.3 | 0.8 | -0.4 | -0.4 | 3.0 |
| 7/30/2020 2:18 PM  | -0.3 | 0.8 | -0.4 | -0.4 | 3.0 |
| 7/30/2020 2:24 PM  | -0.3 | 0.8 | -0.4 | -0.4 | 2.9 |
| 7/30/2020 2:30 PM  | -0.3 | 0.8 | -0.4 | -0.4 | 2.9 |
| 7/30/2020 2:36 PM  | -0.3 | 0.8 | -0.4 | -0.4 | 3.0 |
| 7/30/2020 2:42 PM  | -0.3 | 0.8 | -0.4 | -0.4 | 3.0 |
| 7/30/2020 2:48 PM  | -0.3 | 0.8 | -0.5 | -0.4 | 3.0 |
| 7/30/2020 2:54 PM  | -0.3 | 0.8 | -0.5 | -0.4 | 2.9 |
| 7/30/2020 3:00 PM  | -0.3 | 0.8 | -0.5 | -0.4 | 2.9 |
| 7/30/2020 3:06 PM  | -0.3 | 0.9 | -0.5 | -0.4 | 2.9 |
| 7/30/2020 3:12 PM  | -0.3 | 0.8 | -0.5 | -0.4 | 2.8 |
| 7/30/2020 3:18 PM  | -0.3 | 0.8 | -0.5 | -0.4 | 2.7 |
| 7/30/2020 3:24 PM  | -0.3 | 0.8 | -0.5 | -0.4 | 2.7 |
| 7/30/2020 3:30 PM  | -0.3 | 0.8 | -0.5 | -0.4 | 2.8 |
| 7/30/2020 3:36 PM  | -0.3 | 0.9 | -0.5 | -0.4 | 2.8 |
| 7/30/2020 3:42 PM  | -0.3 | 0.8 | -0.5 | -0.4 | 2.8 |
| 7/30/2020 3:48 PM  | -0.3 | 0.8 | -0.5 | -0.4 | 2.8 |
| 7/30/2020 3:54 PM  | -0.3 | 0.8 | -0.5 | -0.3 | 2.9 |
| 7/30/2020 4:00 PM  | -0.3 | 0.9 | -0.5 | 6.0  | 3.0 |
| 7/30/2020 4:06 PM  | -0.3 | 1.0 | -0.5 | 9.5  | 3.1 |
| 7/30/2020 4:12 PM  | -0.3 | 1.0 | -0.5 | 1.7  | 3.0 |
| 7/30/2020 4:18 PM  | -0.3 | 0.9 | -0.4 | -0.2 | 2.9 |
| 7/30/2020 4:24 PM  | -0.3 | 0.9 | -0.4 | -0.3 | 2.8 |
| 7/30/2020 4:30 PM  | -0.3 | 0.8 | -0.4 | -0.3 | 2.9 |
| 7/30/2020 4:36 PM  | -0.3 | 0.8 | -0.4 | -0.3 | 2.9 |
| 7/30/2020 4:42 PM  | -0.3 | 0.9 | -0.4 | -0.3 | 2.9 |
| 7/30/2020 4:48 PM  | -0.3 | 0.8 | -0.4 | -0.3 | 2.9 |
| 7/30/2020 4:54 PM  | -0.3 | 0.8 | -0.4 | -0.3 | 2.9 |
| 7/30/2020 5:00 PM  | -0.3 | 0.8 | -0.4 | -0.3 | 2.9 |
| 7/30/2020 5:06 PM  | -0.3 | 0.9 | -0.3 | -0.3 | 2.9 |
| 7/30/2020 5:12 PM  | -0.3 | 0.9 | -0.3 | -0.3 | 2.9 |
| 7/30/2020 5:18 PM  | -0.3 | 0.9 | -0.3 | -0.3 | 2.9 |
| 7/30/2020 5:24 PM  | -0.3 | 0.9 | -0.3 | -0.3 | 2.9 |
| 7/30/2020 5:30 PM  | -0.3 | 0.9 | -0.2 | -0.3 | 2.9 |
| 7/30/2020 5:36 PM  | -0.3 | 1.0 | -0.2 | -0.3 | 2.8 |
| 7/30/2020 5:42 PM  | -0.3 | 1.0 | -0.2 | -0.3 | 2.9 |
| 7/30/2020 5:48 PM  | -0.3 | 0.9 | -0.2 | -0.3 | 2.9 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 7/30/2020 5:54 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 2.9 |
| 7/30/2020 6:00 PM  | -0.4 | 1.1 | -0.2 | -0.3 | 2.9 |
| 7/30/2020 6:06 PM  | -0.4 | 1.1 | -0.2 | -0.3 | 2.9 |
| 7/30/2020 6:12 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 2.9 |
| 7/30/2020 6:18 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 2.9 |
| 7/30/2020 6:24 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.0 |
| 7/30/2020 6:30 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.1 |
| 7/30/2020 6:36 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.5 |
| 7/30/2020 6:42 PM  | -0.4 | 1.1 | -0.2 | -0.3 | 3.6 |
| 7/30/2020 6:48 PM  | -0.4 | 1.1 | -0.2 | -0.3 | 3.5 |
| 7/30/2020 6:54 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.5 |
| 7/30/2020 7:00 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.5 |
| 7/30/2020 7:06 PM  | -0.4 | 0.9 | -0.2 | -0.3 | 3.5 |
| 7/30/2020 7:12 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.5 |
| 7/30/2020 7:18 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.5 |
| 7/30/2020 7:24 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.4 |
| 7/30/2020 7:30 PM  | -0.4 | 0.9 | -0.2 | -0.3 | 3.4 |
| 7/30/2020 7:36 PM  | -0.4 | 0.9 | -0.2 | -0.3 | 3.4 |
| 7/30/2020 7:42 PM  | -0.4 | 0.9 | -0.2 | -0.3 | 3.4 |
| 7/30/2020 7:48 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.4 |
| 7/30/2020 7:54 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.4 |
| 7/30/2020 8:00 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.5 |
| 7/30/2020 8:06 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.4 |
| 7/30/2020 8:12 PM  | -0.4 | 1.0 | -0.2 | -0.3 | 3.2 |
| 7/30/2020 8:18 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.1 |
| 7/30/2020 8:24 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.1 |
| 7/30/2020 8:30 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.1 |
| 7/30/2020 8:36 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.2 |
| 7/30/2020 8:42 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.2 |
| 7/30/2020 8:48 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.4 |
| 7/30/2020 8:54 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.5 |
| 7/30/2020 9:00 PM  | -0.4 | 0.9 | -0.3 | -0.3 | 3.5 |
| 7/30/2020 9:06 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.4 |
| 7/30/2020 9:12 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.5 |
| 7/30/2020 9:18 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.4 |
| 7/30/2020 9:24 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.4 |
| 7/30/2020 9:30 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.5 |
| 7/30/2020 9:36 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.5 |
| 7/30/2020 9:42 PM  | -0.4 | 0.9 | -0.3 | -0.3 | 3.5 |
| 7/30/2020 9:48 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.4 |
| 7/30/2020 9:54 PM  | -0.4 | 1.0 | -0.3 | -0.3 | 3.4 |
| 7/30/2020 10:00 PM | -0.4 | 1.0 | -0.3 | -0.3 | 3.4 |
| 7/30/2020 10:06 PM | -0.4 | 1.0 | -0.3 | -0.3 | 3.5 |
| 7/30/2020 10:12 PM | -0.4 | 1.0 | -0.3 | -0.3 | 3.5 |
| 7/30/2020 10:18 PM | -0.4 | 1.0 | -0.3 | -0.3 | 3.4 |
| 7/30/2020 10:24 PM | -0.4 | 1.0 | -0.3 | -0.3 | 3.3 |
| 7/30/2020 10:30 PM | -0.4 | 1.0 | -0.3 | -0.3 | 3.0 |
| 7/30/2020 10:36 PM | -0.4 | 1.0 | -0.3 | -0.3 | 2.8 |
| 7/30/2020 10:42 PM | -0.4 | 1.1 | -0.3 | -0.3 | 2.9 |
| 7/30/2020 10:48 PM | -0.4 | 1.2 | -0.3 | -0.3 | 2.9 |

|                    |      |     |      |      |      |
|--------------------|------|-----|------|------|------|
| 7/30/2020 10:54 PM | -0.4 | 1.2 | -0.3 | -0.3 | 3.0  |
| 7/30/2020 11:00 PM | -0.4 | 1.2 | -0.3 | -0.3 | 3.0  |
| 7/30/2020 11:06 PM | -0.4 | 1.2 | -0.3 | -0.3 | 3.1  |
| 7/30/2020 11:12 PM | -0.4 | 1.2 | -0.4 | -0.3 | 3.1  |
| 7/30/2020 11:18 PM | -0.4 | 1.2 | -0.4 | -0.3 | 3.1  |
| 7/30/2020 11:24 PM | -0.4 | 1.1 | -0.4 | -0.3 | 3.1  |
| 7/30/2020 11:30 PM | -0.4 | 1.1 | -0.4 | -0.3 | 3.0  |
| 7/30/2020 11:36 PM | -0.4 | 1.1 | -0.4 | -0.3 | 3.0  |
| 7/30/2020 11:42 PM | -0.4 | 1.0 | -0.4 | -0.3 | 3.0  |
| 7/30/2020 11:48 PM | -0.4 | 1.0 | -0.4 | -0.3 | 3.0  |
| 7/30/2020 11:54 PM | -0.4 | 0.9 | -0.4 | -0.3 | 2.9  |
| 7/31/2020 12:00 AM | -0.4 | 0.9 | -0.4 | -0.3 | 2.9  |
| 7/31/2020 12:06 AM | -0.4 | 0.9 | -0.4 | -0.3 | 3.0  |
| 7/31/2020 12:12 AM | -0.4 | 0.9 | -0.4 | -0.3 | 3.0  |
| 7/31/2020 12:18 AM | -0.4 | 0.9 | -0.4 | -0.3 | 2.9  |
| 7/31/2020 12:24 AM | -0.4 | 0.9 | -0.4 | -0.3 | 2.9  |
| 7/31/2020 12:30 AM | -0.4 | 0.9 | -0.3 | -0.3 | 2.9  |
| 7/31/2020 12:36 AM | -0.4 | 0.9 | -0.3 | -0.2 | 2.9  |
| 7/31/2020 12:42 AM | -0.4 | 0.9 | -0.3 | -0.2 | 2.9  |
| 7/31/2020 12:48 AM | -0.3 | 0.9 | -0.2 | -0.1 | 2.9  |
| 7/31/2020 12:54 AM | -0.3 | 0.9 | -0.2 | -0.1 | 3.0  |
| 7/31/2020 1:00 AM  | -0.3 | 1.7 | -0.4 | -0.1 | 7.1  |
| 7/31/2020 1:06 AM  | -0.3 | 2.6 | -0.5 | -0.1 | 11.7 |
| 7/31/2020 1:12 AM  | -0.3 | 3.8 | -0.6 | -0.1 | 10.9 |
| 7/31/2020 1:18 AM  | -0.4 | 4.3 | -0.6 | 11.9 | 10.2 |
| 7/31/2020 1:24 AM  | -0.4 | 3.8 | -0.7 | 23.9 | 10.0 |
| 7/31/2020 1:30 AM  | -0.4 | 3.5 | -0.7 | 25.3 | 9.8  |
| 7/31/2020 1:36 AM  | -0.4 | 3.3 | -0.7 | 23.4 | 9.4  |
| 7/31/2020 1:42 AM  | -0.4 | 3.1 | -0.7 | 16.9 | 9.6  |
| 7/31/2020 1:48 AM  | -0.4 | 3.0 | -0.7 | 15.3 | 10.0 |
| 7/31/2020 1:54 AM  | -0.4 | 3.0 | -0.7 | 16.6 | 9.6  |
| 7/31/2020 2:00 AM  | -0.4 | 3.1 | -0.7 | 18.6 | 9.1  |
| 7/31/2020 2:06 AM  | -0.4 | 3.3 | -0.7 | 17.5 | 9.2  |
| 7/31/2020 2:12 AM  | -0.4 | 3.1 | -0.7 | 15.0 | 9.4  |
| 7/31/2020 2:18 AM  | -0.4 | 3.0 | -0.6 | 14.1 | 9.1  |
| 7/31/2020 2:24 AM  | -0.4 | 2.7 | -0.6 | 12.7 | 8.7  |
| 7/31/2020 2:30 AM  | -0.5 | 2.6 | -0.6 | 12.2 | 8.9  |
| 7/31/2020 2:36 AM  | -0.5 | 2.6 | -0.6 | 12.5 | 8.9  |
| 7/31/2020 2:42 AM  | -0.5 | 2.6 | -0.6 | 12.3 | 8.8  |
| 7/31/2020 2:48 AM  | -0.5 | 2.6 | -0.5 | 11.5 | 8.8  |
| 7/31/2020 2:54 AM  | -0.5 | 2.6 | -0.5 | 11.0 | 8.4  |
| 7/31/2020 3:00 AM  | -0.5 | 2.6 | -0.5 | 10.9 | 8.4  |
| 7/31/2020 3:06 AM  | -0.5 | 2.7 | -0.5 | 10.7 | 8.6  |
| 7/31/2020 3:12 AM  | -0.5 | 3.0 | -0.4 | 11.7 | 8.5  |
| 7/31/2020 3:18 AM  | -0.5 | 3.1 | -0.4 | 12.7 | 8.5  |
| 7/31/2020 3:24 AM  | -0.5 | 3.0 | -0.4 | 12.8 | 8.8  |
| 7/31/2020 3:30 AM  | -0.5 | 3.0 | -0.3 | 12.6 | 8.8  |
| 7/31/2020 3:36 AM  | -0.5 | 2.9 | -0.3 | 12.4 | 8.7  |
| 7/31/2020 3:42 AM  | -0.5 | 2.9 | -0.3 | 11.7 | 8.6  |
| 7/31/2020 3:48 AM  | -0.5 | 3.0 | -0.2 | 11.2 | 8.5  |



|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 7/31/2020 3:54 AM | -0.5 | 3.0  | -0.2 | 11.2 | 8.5 |
| 7/31/2020 4:00 AM | -0.5 | 2.9  | -0.2 | 10.9 | 8.7 |
| 7/31/2020 4:06 AM | -0.5 | 2.9  | -0.1 | 10.5 | 8.9 |
| 7/31/2020 4:12 AM | -0.5 | 2.9  | -0.1 | 10.2 | 9.0 |
| 7/31/2020 4:18 AM | -0.5 | 2.8  | 0.0  | 10.2 | 8.8 |
| 7/31/2020 4:24 AM | -0.5 | 2.8  | 0.1  | 10.4 | 8.8 |
| 7/31/2020 4:30 AM | -0.5 | 2.7  | 0.1  | 10.7 | 8.6 |
| 7/31/2020 4:36 AM | -0.5 | 2.7  | 0.1  | 10.8 | 8.5 |
| 7/31/2020 4:42 AM | -0.5 | 2.7  | 0.1  | 11.1 | 8.5 |
| 7/31/2020 4:48 AM | -0.5 | 2.7  | 0.1  | 11.6 | 8.5 |
| 7/31/2020 4:54 AM | -0.5 | 2.7  | 0.1  | 11.7 | 8.7 |
| 7/31/2020 5:00 AM | -0.5 | 2.8  | 0.1  | 11.6 | 8.3 |
| 7/31/2020 5:06 AM | -0.5 | 2.7  | 0.2  | 11.5 | 7.9 |
| 7/31/2020 5:12 AM | -0.5 | 2.5  | 0.2  | 11.6 | 7.8 |
| 7/31/2020 5:18 AM | -0.5 | 2.4  | 0.2  | 12.0 | 7.7 |
| 7/31/2020 5:24 AM | -0.5 | 2.4  | 0.3  | 12.0 | 7.9 |
| 7/31/2020 5:30 AM | -0.5 | 2.3  | 0.3  | 11.4 | 8.4 |
| 7/31/2020 5:36 AM | -0.5 | 2.0  | 0.3  | 10.3 | 8.6 |
| 7/31/2020 5:42 AM | -0.5 | 1.2  | 0.3  | 4.8  | 8.9 |
| 7/31/2020 5:48 AM | -0.5 | 0.7  | 0.3  | 1.5  | 8.9 |
| 7/31/2020 5:54 AM | -0.5 | 0.4  | 0.3  | 1.6  | 9.0 |
| 7/31/2020 6:00 AM | -0.5 | 0.0  | 0.2  | 1.6  | 9.1 |
| 7/31/2020 6:06 AM | -0.5 | -0.1 | 0.2  | 1.6  | 9.0 |
| 7/31/2020 6:12 AM | -0.5 | -0.2 | 0.2  | 1.7  | 9.2 |
| 7/31/2020 6:18 AM | -0.5 | -0.2 | 0.1  | 5.5  | 9.1 |
| 7/31/2020 6:24 AM | -0.5 | -0.2 | 0.1  | 9.4  | 8.9 |
| 7/31/2020 6:30 AM | -0.5 | -0.2 | 0.0  | 8.6  | 9.1 |
| 7/31/2020 6:36 AM | -0.5 | -0.3 | 0.0  | 7.9  | 9.4 |
| 7/31/2020 6:42 AM | -0.5 | 7.8  | 0.0  | 8.2  | 9.2 |
| 7/31/2020 6:48 AM | -0.5 | 9.3  | 0.0  | 9.1  | 8.8 |
| 7/31/2020 6:54 AM | -0.5 | 2.1  | 0.0  | 9.4  | 8.2 |
| 7/31/2020 7:00 AM | -0.5 | 1.5  | 0.2  | 9.1  | 7.7 |
| 7/31/2020 7:06 AM | -0.4 | 1.2  | 0.3  | 9.1  | 7.7 |
| 7/31/2020 7:12 AM | -0.4 | 1.1  | 0.3  | 9.4  | 7.6 |
| 7/31/2020 7:18 AM | -0.4 | 1.1  | 0.3  | 9.5  | 7.4 |
| 7/31/2020 7:24 AM | -0.5 | 1.2  | 0.2  | 9.4  | 7.3 |
| 7/31/2020 7:30 AM | -0.5 | 1.2  | 0.1  | 9.6  | 7.3 |
| 7/31/2020 7:36 AM | -0.5 | 1.2  | 0.1  | 10.3 | 7.4 |
| 7/31/2020 7:42 AM | -0.5 | 1.2  | 0.1  | 10.1 | 7.5 |
| 7/31/2020 7:48 AM | -0.5 | 1.1  | 0.0  | 9.8  | 7.4 |
| 7/31/2020 7:54 AM | -0.5 | 1.1  | 0.0  | 9.6  | 7.3 |
| 7/31/2020 8:00 AM | -0.5 | 0.5  | -0.1 | 9.8  | 7.6 |
| 7/31/2020 8:06 AM | -0.5 | -0.4 | -0.2 | 9.4  | 7.7 |
| 7/31/2020 8:12 AM | -0.5 | -0.5 | -0.2 | 7.9  | 7.7 |
| 7/31/2020 8:18 AM | -0.5 | -0.5 | -0.3 | 6.5  | 7.8 |
| 7/31/2020 8:24 AM | -0.5 | -0.6 | -0.3 | 6.6  | 7.8 |
| 7/31/2020 8:30 AM | -0.5 | -0.6 | -0.4 | 6.4  | 7.6 |
| 7/31/2020 8:36 AM | -0.5 | -0.6 | -0.5 | 6.5  | 7.7 |
| 7/31/2020 8:42 AM | -0.5 | -0.7 | -0.5 | 6.6  | 8.0 |
| 7/31/2020 8:48 AM | -0.5 | -0.7 | -0.5 | 6.6  | 8.1 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 7/31/2020 8:54 AM  | -0.5 | -0.7 | -0.5 | 6.4 | 8.3 |
| 7/31/2020 9:00 AM  | -0.5 | -0.7 | -0.6 | 6.5 | 8.3 |
| 7/31/2020 9:06 AM  | -0.5 | -0.7 | -0.6 | 6.4 | 8.1 |
| 7/31/2020 9:12 AM  | -0.5 | -0.7 | -0.5 | 6.4 | 7.7 |
| 7/31/2020 9:18 AM  | -0.4 | -0.6 | -0.5 | 5.2 | 6.1 |
| 7/31/2020 9:24 AM  | -0.4 | -0.7 | -0.5 | 4.0 | 4.9 |
| 7/31/2020 9:30 AM  | -0.4 | -0.7 | -0.5 | 4.0 | 4.6 |
| 7/31/2020 9:36 AM  | -0.4 | -0.6 | -0.5 | 3.1 | 4.0 |
| 7/31/2020 9:42 AM  | -0.4 | -0.6 | -0.4 | 2.5 | 3.6 |
| 7/31/2020 9:48 AM  | -0.4 | -0.6 | -0.4 | 2.6 | 3.7 |
| 7/31/2020 9:54 AM  | -0.4 | -0.6 | -0.4 | 2.7 | 3.7 |
| 7/31/2020 10:00 AM | -0.4 | -0.6 | -0.3 | 2.7 | 3.7 |
| 7/31/2020 10:06 AM | -0.4 | -0.6 | -0.3 | 2.8 | 3.8 |
| 7/31/2020 10:12 AM | -0.4 | -0.6 | -0.3 | 2.9 | 3.8 |
| 7/31/2020 10:18 AM | -0.4 | -0.6 | -0.3 | 3.0 | 3.9 |
| 7/31/2020 10:24 AM | -0.4 | -0.6 | -0.3 | 2.9 | 3.9 |
| 7/31/2020 10:30 AM | -0.4 | -0.6 | -0.3 | 2.8 | 4.0 |
| 7/31/2020 10:36 AM | -0.4 | -0.6 | -0.3 | 2.8 | 4.1 |
| 7/31/2020 10:42 AM | -0.4 | -0.6 | -0.3 | 2.8 | 4.1 |
| 7/31/2020 10:48 AM | -0.4 | -0.6 | -0.4 | 2.8 | 4.1 |
| 7/31/2020 10:54 AM | -0.4 | -0.6 | -0.4 | 2.8 | 4.1 |
| 7/31/2020 11:00 AM | -0.4 | -0.6 | -0.4 | 2.8 | 4.1 |
| 7/31/2020 11:06 AM | -0.4 | -0.6 | -0.4 | 2.8 | 4.0 |
| 7/31/2020 11:12 AM | -0.4 | -0.6 | -0.4 | 2.8 | 4.0 |
| 7/31/2020 11:18 AM | -0.4 | -0.6 | -0.4 | 2.8 | 4.0 |
| 7/31/2020 11:24 AM | -0.4 | -0.7 | -0.4 | 2.8 | 3.9 |
| 7/31/2020 11:30 AM | -0.4 | -0.6 | -0.4 | 2.7 | 3.7 |
| 7/31/2020 11:36 AM | -0.4 | -0.6 | -0.3 | 2.1 | 3.3 |
| 7/31/2020 11:42 AM | -0.4 | -0.6 | -0.3 | 1.7 | 3.2 |
| 7/31/2020 11:48 AM | -0.4 | -0.7 | -0.3 | 1.4 | 3.0 |
| 7/31/2020 11:54 AM | -0.4 | -0.7 | -0.3 | 1.1 | 2.8 |
| 7/31/2020 12:00 PM | -0.5 | -0.6 | -0.4 | 1.2 | 2.9 |
| 7/31/2020 12:06 PM | -0.5 | -0.8 | -0.6 | 1.3 | 2.9 |
| 7/31/2020 12:12 PM | -0.5 | -0.8 | -0.6 | 1.4 | 2.9 |
| 7/31/2020 12:18 PM | -0.5 | -0.7 | -0.6 | 1.4 | 2.8 |
| 7/31/2020 12:24 PM | -0.5 | -0.7 | -0.7 | 1.3 | 2.8 |
| 7/31/2020 12:30 PM | -0.5 | -0.8 | -0.7 | 1.4 | 2.8 |
| 7/31/2020 12:36 PM | -0.5 | -0.8 | -0.7 | 1.7 | 2.9 |
| 7/31/2020 12:42 PM | -0.5 | -0.7 | -0.6 | 2.1 | 2.9 |
| 7/31/2020 12:48 PM | -0.5 | -0.7 | -0.6 | 2.2 | 2.9 |
| 7/31/2020 12:54 PM | -0.5 | -0.7 | -0.6 | 2.1 | 2.8 |
| 7/31/2020 1:00 PM  | -0.5 | -0.8 | -0.7 | 2.1 | 2.8 |
| 7/31/2020 1:06 PM  | -0.5 | -0.7 | -0.7 | 2.0 | 2.7 |
| 7/31/2020 1:12 PM  | -0.5 | -0.8 | -0.7 | 2.0 | 2.7 |
| 7/31/2020 1:18 PM  | -0.5 | -0.7 | -0.7 | 1.9 | 2.6 |
| 7/31/2020 1:24 PM  | -0.5 | -0.8 | -0.6 | 1.9 | 2.6 |
| 7/31/2020 1:30 PM  | -0.5 | -0.8 | -0.6 | 1.8 | 2.6 |
| 7/31/2020 1:36 PM  | -0.5 | -0.7 | -0.6 | 1.8 | 2.6 |
| 7/31/2020 1:42 PM  | -0.4 | -0.7 | -0.5 | 1.8 | 2.6 |
| 7/31/2020 1:48 PM  | -0.4 | -0.7 | -0.5 | 1.8 | 2.6 |

|                   |      |      |      |     |     |
|-------------------|------|------|------|-----|-----|
| 7/31/2020 1:54 PM | -0.4 | -0.7 | -0.5 | 1.8 | 2.6 |
| 7/31/2020 2:00 PM | -0.4 | -0.7 | -0.5 | 1.8 | 2.6 |
| 7/31/2020 2:06 PM | -0.4 | -0.7 | -0.5 | 1.8 | 2.5 |
| 7/31/2020 2:12 PM | -0.4 | -0.7 | -0.5 | 1.7 | 2.6 |
| 7/31/2020 2:18 PM | -0.4 | -0.7 | -0.5 | 1.6 | 2.7 |
| 7/31/2020 2:24 PM | -0.4 | -0.7 | -0.5 | 1.6 | 2.7 |
| 7/31/2020 2:30 PM | -0.4 | -0.7 | -0.5 | 1.7 | 2.7 |
| 7/31/2020 2:36 PM | -0.4 | -0.7 | -0.5 | 1.7 | 2.6 |
| 7/31/2020 2:42 PM | -0.4 | -0.7 | -0.5 | 1.6 | 2.6 |
| 7/31/2020 2:48 PM | -0.4 | -0.8 | -0.5 | 1.6 | 2.6 |
| 7/31/2020 2:54 PM | -0.4 | -0.8 | -0.5 | 1.7 | 2.7 |
| 7/31/2020 3:00 PM | -0.4 | -0.7 | -0.5 | 1.6 | 2.6 |
| 7/31/2020 3:06 PM | -0.4 | -0.7 | -0.5 | 1.7 | 2.6 |
| 7/31/2020 3:12 PM | -0.4 | -0.7 | -0.5 | 1.7 | 2.7 |
| 7/31/2020 3:18 PM | -0.4 | -0.7 | -0.4 | 1.7 | 2.7 |
| 7/31/2020 3:24 PM | -0.4 | -0.7 | -0.4 | 1.6 | 2.7 |
| 7/31/2020 3:30 PM | -0.4 | -0.6 | -0.3 | 1.7 | 2.7 |
| 7/31/2020 3:36 PM | -0.4 | -0.7 | -0.3 | 1.7 | 2.7 |
| 7/31/2020 3:42 PM | -0.4 | -0.7 | -0.2 | 1.7 | 2.7 |
| 7/31/2020 3:48 PM | -0.4 | -0.7 | -0.2 | 1.7 | 2.6 |
| 7/31/2020 3:54 PM | -0.4 | -0.7 | -0.1 | 1.7 | 2.6 |
| 7/31/2020 4:00 PM | -0.4 | -0.7 | -0.1 | 1.7 | 2.6 |
| 7/31/2020 4:06 PM | -0.4 | -0.7 | 0.0  | 1.7 | 2.6 |
| 7/31/2020 4:12 PM | -0.4 | -0.7 | 0.0  | 1.7 | 2.6 |
| 7/31/2020 4:18 PM | -0.4 | -0.6 | 0.0  | 1.6 | 2.6 |
| 7/31/2020 4:24 PM | -0.4 | -0.6 | 0.0  | 1.6 | 2.7 |
| 7/31/2020 4:30 PM | -0.4 | -0.7 | 0.0  | 1.6 | 2.7 |
| 7/31/2020 4:36 PM | -0.4 | -0.7 | 0.0  | 1.6 | 2.7 |
| 7/31/2020 4:42 PM | -0.4 | -0.7 | 0.0  | 1.6 | 2.6 |
| 7/31/2020 4:48 PM | -0.4 | -0.6 | 0.0  | 1.7 | 2.6 |
| 7/31/2020 4:54 PM | -0.4 | -0.6 | 0.0  | 1.7 | 2.5 |
| 7/31/2020 5:00 PM | -0.4 | -0.7 | 0.0  | 1.7 | 2.5 |
| 7/31/2020 5:06 PM | -0.4 | -0.7 | 0.0  | 1.7 | 2.7 |
| 7/31/2020 5:12 PM | -0.4 | -0.6 | 0.0  | 1.7 | 2.8 |
| 7/31/2020 5:18 PM | -0.4 | -0.7 | 0.0  | 1.6 | 2.9 |
| 7/31/2020 5:24 PM | -0.4 | -0.6 | 0.0  | 1.6 | 2.9 |
| 7/31/2020 5:30 PM | -0.4 | -0.6 | 0.0  | 1.6 | 2.9 |
| 7/31/2020 5:36 PM | -0.4 | -0.6 | 0.0  | 1.6 | 2.9 |
| 7/31/2020 5:42 PM | -0.4 | -0.6 | 0.0  | 1.9 | 2.9 |
| 7/31/2020 5:48 PM | -0.4 | -0.6 | 0.0  | 2.2 | 3.1 |
| 7/31/2020 5:54 PM | -0.4 | -0.6 | 0.0  | 2.2 | 3.1 |
| 7/31/2020 6:00 PM | -0.4 | -0.6 | 0.0  | 2.2 | 3.0 |
| 7/31/2020 6:06 PM | -0.4 | -0.6 | 0.0  | 2.2 | 3.0 |
| 7/31/2020 6:12 PM | -0.4 | -0.6 | 0.0  | 2.1 | 2.9 |
| 7/31/2020 6:18 PM | -0.4 | -0.6 | 0.0  | 2.0 | 2.9 |
| 7/31/2020 6:24 PM | -0.4 | -0.6 | 0.1  | 2.0 | 2.9 |
| 7/31/2020 6:30 PM | -0.4 | -0.6 | 0.1  | 1.9 | 2.9 |
| 7/31/2020 6:36 PM | -0.4 | -0.6 | 0.1  | 2.1 | 2.9 |
| 7/31/2020 6:42 PM | -0.4 | -0.6 | 0.2  | 2.1 | 3.0 |
| 7/31/2020 6:48 PM | -0.4 | -0.7 | 0.1  | 2.0 | 3.1 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 7/31/2020 6:54 PM  | -0.4 | -0.7 | 0.1  | 2.1 | 3.2 |
| 7/31/2020 7:00 PM  | -0.4 | -0.7 | 0.1  | 2.2 | 3.3 |
| 7/31/2020 7:06 PM  | -0.4 | -0.7 | 0.0  | 2.2 | 3.3 |
| 7/31/2020 7:12 PM  | -0.4 | -0.7 | 0.0  | 2.2 | 3.3 |
| 7/31/2020 7:18 PM  | -0.4 | -0.7 | 0.0  | 2.2 | 3.3 |
| 7/31/2020 7:24 PM  | -0.4 | -0.7 | 0.0  | 2.2 | 3.2 |
| 7/31/2020 7:30 PM  | -0.4 | -0.6 | -0.1 | 2.2 | 3.2 |
| 7/31/2020 7:36 PM  | -0.5 | -0.7 | -0.1 | 2.2 | 3.1 |
| 7/31/2020 7:42 PM  | -0.5 | -0.7 | -0.1 | 2.1 | 3.0 |
| 7/31/2020 7:48 PM  | -0.5 | -0.7 | -0.1 | 2.1 | 2.9 |
| 7/31/2020 7:54 PM  | -0.5 | -0.6 | -0.2 | 2.2 | 2.9 |
| 7/31/2020 8:00 PM  | -0.5 | -0.7 | -0.2 | 2.2 | 3.0 |
| 7/31/2020 8:06 PM  | -0.5 | -0.7 | -0.2 | 2.3 | 3.1 |
| 7/31/2020 8:12 PM  | -0.5 | -0.7 | -0.2 | 2.3 | 3.1 |
| 7/31/2020 8:18 PM  | -0.5 | -0.6 | -0.2 | 2.2 | 3.1 |
| 7/31/2020 8:24 PM  | -0.5 | -0.7 | -0.3 | 2.2 | 3.2 |
| 7/31/2020 8:30 PM  | -0.5 | -0.7 | -0.3 | 2.1 | 3.2 |
| 7/31/2020 8:36 PM  | -0.5 | -0.7 | -0.3 | 2.1 | 3.2 |
| 7/31/2020 8:42 PM  | -0.5 | -0.7 | -0.3 | 2.2 | 3.2 |
| 7/31/2020 8:48 PM  | -0.5 | -0.6 | -0.3 | 2.2 | 3.2 |
| 7/31/2020 8:54 PM  | -0.5 | -0.6 | -0.3 | 2.2 | 3.2 |
| 7/31/2020 9:00 PM  | -0.5 | -0.7 | -0.3 | 2.2 | 3.2 |
| 7/31/2020 9:06 PM  | -0.5 | -0.7 | -0.3 | 2.1 | 3.2 |
| 7/31/2020 9:12 PM  | -0.5 | -0.6 | -0.3 | 2.1 | 3.2 |
| 7/31/2020 9:18 PM  | -0.5 | -0.6 | -0.3 | 2.2 | 3.1 |
| 7/31/2020 9:24 PM  | -0.5 | -0.7 | -0.3 | 2.1 | 3.1 |
| 7/31/2020 9:30 PM  | -0.5 | -0.7 | -0.3 | 2.2 | 3.1 |
| 7/31/2020 9:36 PM  | -0.5 | -0.6 | -0.3 | 2.1 | 3.2 |
| 7/31/2020 9:42 PM  | -0.5 | -0.6 | -0.3 | 2.2 | 3.1 |
| 7/31/2020 9:48 PM  | -0.5 | -0.6 | -0.3 | 2.2 | 3.2 |
| 7/31/2020 9:54 PM  | -0.5 | -0.6 | -0.4 | 2.3 | 3.2 |
| 7/31/2020 10:00 PM | -0.5 | -0.6 | -0.4 | 2.3 | 3.2 |
| 7/31/2020 10:06 PM | -0.5 | -0.6 | -0.4 | 2.3 | 3.2 |
| 7/31/2020 10:12 PM | -0.5 | -0.6 | -0.4 | 2.3 | 2.9 |
| 7/31/2020 10:18 PM | -0.5 | -0.6 | -0.4 | 2.0 | 2.5 |
| 7/31/2020 10:24 PM | -0.5 | -0.6 | -0.3 | 1.7 | 2.4 |
| 7/31/2020 10:30 PM | -0.5 | -0.6 | -0.3 | 1.8 | 2.5 |
| 7/31/2020 10:36 PM | -0.5 | -0.6 | -0.4 | 1.8 | 2.6 |
| 7/31/2020 10:42 PM | -0.5 | -0.6 | -0.3 | 1.8 | 2.5 |
| 7/31/2020 10:48 PM | -0.5 | -0.6 | -0.3 | 1.7 | 2.5 |
| 7/31/2020 10:54 PM | -0.5 | -0.6 | -0.4 | 1.8 | 2.6 |
| 7/31/2020 11:00 PM | -0.5 | -0.6 | -0.4 | 1.7 | 2.5 |
| 7/31/2020 11:06 PM | -0.5 | -0.6 | -0.4 | 1.7 | 2.5 |
| 7/31/2020 11:12 PM | -0.5 | -0.6 | -0.4 | 1.7 | 2.6 |
| 7/31/2020 11:18 PM | -0.5 | -0.6 | -0.4 | 1.7 | 2.6 |
| 7/31/2020 11:24 PM | -0.5 | -0.6 | -0.4 | 1.7 | 2.7 |
| 7/31/2020 11:30 PM | -0.5 | -0.6 | -0.4 | 1.7 | 2.8 |
| 7/31/2020 11:36 PM | -0.5 | -0.5 | -0.4 | 1.8 | 2.9 |
| 7/31/2020 11:42 PM | -0.5 | -0.6 | -0.3 | 1.7 | 2.9 |
| 7/31/2020 11:48 PM | -0.5 | -0.5 | -0.3 | 1.7 | 2.9 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 7/31/2020 11:54 PM | -0.5 | -0.5 | -0.3 | 1.5 | 3.0 |
| 8/1/2020 12:00 AM  | -0.5 | -0.5 | -0.3 | 1.2 | 3.0 |
| 8/1/2020 12:06 AM  | -0.5 | -0.5 | -0.3 | 1.1 | 3.0 |
| 8/1/2020 12:12 AM  | -0.5 | -0.5 | -0.3 | 1.1 | 2.9 |
| 8/1/2020 12:18 AM  | -0.5 | -0.5 | -0.3 | 1.1 | 2.9 |
| 8/1/2020 12:24 AM  | -0.5 | -0.5 | -0.3 | 1.1 | 3.0 |
| 8/1/2020 12:30 AM  | -0.5 | -0.5 | -0.3 | 1.1 | 3.0 |
| 8/1/2020 12:36 AM  | -0.5 | -0.5 | -0.3 | 1.1 | 3.0 |
| 8/1/2020 12:42 AM  | -0.5 | -0.5 | -0.3 | 1.1 | 2.9 |
| 8/1/2020 12:48 AM  | -0.5 | -0.5 | -0.3 | 1.1 | 2.9 |
| 8/1/2020 12:54 AM  | -0.5 | -0.5 | -0.3 | 2.5 | 1.7 |
| 8/1/2020 1:00 AM   | -0.5 | -0.5 | -0.3 | 3.5 | 0.3 |
| 8/1/2020 1:06 AM   | -0.5 | -0.5 | -0.3 | 3.0 | 0.1 |
| 8/1/2020 1:12 AM   | -0.5 | -0.5 | -0.3 | 2.9 | 0.1 |
| 8/1/2020 1:18 AM   | -0.5 | -0.4 | -0.3 | 2.9 | 0.1 |
| 8/1/2020 1:24 AM   | -0.5 | -0.4 | -0.3 | 2.8 | 0.1 |
| 8/1/2020 1:30 AM   | -0.5 | -0.5 | -0.3 | 2.7 | 0.1 |
| 8/1/2020 1:36 AM   | -0.5 | -0.5 | -0.3 | 4.5 | 0.1 |
| 8/1/2020 1:42 AM   | -0.5 | -0.4 | -0.3 | 6.1 | 0.1 |
| 8/1/2020 1:48 AM   | -0.5 | -0.4 | -0.3 | 5.7 | 0.1 |
| 8/1/2020 1:54 AM   | -0.5 | -0.5 | -0.3 | 5.8 | 0.1 |
| 8/1/2020 2:00 AM   | -0.5 | -0.5 | -0.3 | 5.8 | 0.1 |
| 8/1/2020 2:06 AM   | -0.5 | -0.5 | -0.2 | 5.7 | 0.1 |
| 8/1/2020 2:12 AM   | -0.5 | -0.5 | -0.2 | 5.5 | 0.1 |
| 8/1/2020 2:18 AM   | -0.5 | -0.5 | -0.2 | 5.4 | 0.1 |
| 8/1/2020 2:24 AM   | -0.5 | -0.5 | -0.2 | 5.4 | 0.1 |
| 8/1/2020 2:30 AM   | -0.5 | -0.4 | -0.2 | 5.4 | 0.1 |
| 8/1/2020 2:36 AM   | -0.5 | -0.4 | -0.2 | 5.3 | 0.0 |
| 8/1/2020 2:42 AM   | -0.5 | -0.4 | -0.2 | 5.4 | 0.1 |
| 8/1/2020 2:48 AM   | -0.5 | -0.4 | -0.2 | 5.4 | 0.0 |
| 8/1/2020 2:54 AM   | -0.5 | -0.4 | -0.2 | 5.3 | 0.0 |
| 8/1/2020 3:00 AM   | -0.5 | -0.4 | -0.2 | 5.2 | 0.1 |
| 8/1/2020 3:06 AM   | -0.5 | -0.4 | -0.2 | 5.0 | 0.1 |
| 8/1/2020 3:12 AM   | -0.5 | -0.4 | -0.2 | 5.0 | 0.1 |
| 8/1/2020 3:18 AM   | -0.5 | -0.3 | -0.2 | 5.1 | 0.1 |
| 8/1/2020 3:24 AM   | -0.5 | -0.3 | -0.2 | 4.9 | 0.1 |
| 8/1/2020 3:30 AM   | -0.5 | -0.3 | -0.2 | 4.8 | 0.1 |
| 8/1/2020 3:36 AM   | -0.5 | -0.3 | -0.2 | 4.7 | 0.1 |
| 8/1/2020 3:42 AM   | -0.5 | -0.3 | -0.2 | 4.7 | 0.1 |
| 8/1/2020 3:48 AM   | -0.5 | -0.3 | -0.2 | 4.6 | 0.0 |
| 8/1/2020 3:54 AM   | -0.5 | -0.3 | -0.2 | 5.8 | 0.1 |
| 8/1/2020 4:00 AM   | -0.5 | -0.3 | -0.2 | 6.4 | 0.1 |
| 8/1/2020 4:06 AM   | -0.5 | -0.3 | -0.2 | 6.3 | 0.1 |
| 8/1/2020 4:12 AM   | -0.5 | -0.3 | -0.2 | 6.0 | 0.1 |
| 8/1/2020 4:18 AM   | -0.5 | -0.3 | -0.2 | 5.7 | 0.1 |
| 8/1/2020 4:24 AM   | -0.5 | -0.2 | -0.2 | 5.7 | 0.1 |
| 8/1/2020 4:30 AM   | -0.5 | -0.2 | -0.2 | 5.7 | 0.1 |
| 8/1/2020 4:36 AM   | -0.5 | -0.2 | -0.2 | 6.0 | 0.1 |
| 8/1/2020 4:42 AM   | -0.5 | -0.2 | -0.2 | 6.0 | 0.1 |
| 8/1/2020 4:48 AM   | -0.5 | -0.2 | -0.2 | 6.1 | 0.1 |

|                  |      |      |      |     |      |
|------------------|------|------|------|-----|------|
| 8/1/2020 4:54 AM | -0.5 | -0.1 | -0.2 | 6.3 | 0.0  |
| 8/1/2020 5:00 AM | -0.5 | -0.1 | -0.2 | 6.5 | 0.0  |
| 8/1/2020 5:06 AM | -0.5 | -0.1 | -0.2 | 6.6 | 0.0  |
| 8/1/2020 5:12 AM | -0.5 | -0.1 | -0.2 | 6.5 | 0.0  |
| 8/1/2020 5:18 AM | -0.5 | 0.0  | -0.2 | 6.4 | 0.0  |
| 8/1/2020 5:24 AM | -0.5 | 0.1  | -0.3 | 6.7 | 0.0  |
| 8/1/2020 5:30 AM | -0.5 | 0.2  | -0.5 | 6.8 | 0.1  |
| 8/1/2020 5:36 AM | -0.5 | 0.3  | -0.7 | 6.5 | 0.0  |
| 8/1/2020 5:42 AM | -0.5 | 0.3  | -0.9 | 6.4 | 0.0  |
| 8/1/2020 5:48 AM | -0.5 | 0.3  | -1.0 | 6.5 | 0.0  |
| 8/1/2020 5:54 AM | -0.5 | 0.4  | -1.0 | 6.7 | 0.0  |
| 8/1/2020 6:00 AM | -0.5 | 0.4  | -1.0 | 6.7 | 0.1  |
| 8/1/2020 6:06 AM | -0.5 | 0.4  | -1.0 | 6.5 | 0.1  |
| 8/1/2020 6:12 AM | -0.5 | 0.4  | -1.0 | 6.0 | 0.1  |
| 8/1/2020 6:18 AM | -0.5 | 0.4  | -1.0 | 6.0 | 0.0  |
| 8/1/2020 6:24 AM | -0.5 | 0.4  | -1.0 | 5.9 | 0.0  |
| 8/1/2020 6:30 AM | -0.5 | 0.4  | -1.0 | 5.8 | 0.0  |
| 8/1/2020 6:36 AM | -0.5 | 0.3  | -1.0 | 5.8 | 0.1  |
| 8/1/2020 6:42 AM | -0.5 | 0.3  | -1.0 | 6.0 | 0.0  |
| 8/1/2020 6:48 AM | -0.5 | 0.2  | -1.0 | 6.3 | 0.0  |
| 8/1/2020 6:54 AM | -0.5 | 0.2  | -1.0 | 6.6 | 0.0  |
| 8/1/2020 7:00 AM | -0.5 | 0.2  | -1.0 | 6.9 | 0.0  |
| 8/1/2020 7:06 AM | -0.5 | 0.2  | -1.0 | 6.7 | 0.1  |
| 8/1/2020 7:12 AM | -0.5 | 0.2  | -1.0 | 6.4 | 0.1  |
| 8/1/2020 7:18 AM | -0.5 | 0.2  | -1.0 | 6.2 | 0.1  |
| 8/1/2020 7:24 AM | -0.5 | 0.1  | -1.0 | 6.1 | 0.1  |
| 8/1/2020 7:30 AM | -0.5 | 0.1  | -0.9 | 6.0 | 0.0  |
| 8/1/2020 7:36 AM | -0.5 | 0.0  | -0.9 | 5.8 | 0.1  |
| 8/1/2020 7:42 AM | -0.5 | 0.0  | -0.9 | 5.9 | 0.0  |
| 8/1/2020 7:48 AM | -0.5 | -0.1 | -0.9 | 5.9 | 0.0  |
| 8/1/2020 7:54 AM | -0.5 | -0.2 | -0.9 | 6.0 | 0.0  |
| 8/1/2020 8:00 AM | -0.5 | -0.2 | -0.9 | 6.3 | 0.0  |
| 8/1/2020 8:06 AM | -0.5 | -0.2 | -0.9 | 7.0 | 0.0  |
| 8/1/2020 8:12 AM | -0.5 | -0.2 | -0.9 | 9.0 | 0.0  |
| 8/1/2020 8:18 AM | -0.4 | -0.2 | -0.8 | 9.4 | 0.0  |
| 8/1/2020 8:24 AM | -0.4 | -0.2 | -0.8 | 9.2 | 0.0  |
| 8/1/2020 8:30 AM | -0.4 | -0.2 | -0.7 | 8.3 | 6.9  |
| 8/1/2020 8:36 AM | -0.4 | -0.2 | -0.5 | 4.0 | 12.3 |
| 8/1/2020 8:42 AM | -0.4 | -0.1 | -0.3 | 1.4 | 8.4  |
| 8/1/2020 8:48 AM | -0.4 | -0.2 | -0.1 | 1.5 | 7.1  |
| 8/1/2020 8:54 AM | -0.4 | -0.2 | 0.1  | 1.6 | 6.7  |
| 8/1/2020 9:00 AM | -0.4 | -0.2 | 0.1  | 1.7 | 6.4  |
| 8/1/2020 9:06 AM | -0.3 | -0.2 | 0.1  | 1.8 | 5.8  |
| 8/1/2020 9:12 AM | -0.3 | -0.1 | 0.1  | 1.7 | 5.0  |
| 8/1/2020 9:18 AM | -0.3 | -0.1 | 0.1  | 1.7 | 4.4  |
| 8/1/2020 9:24 AM | -0.3 | 0.0  | 0.1  | 1.7 | 3.9  |
| 8/1/2020 9:30 AM | -0.3 | 0.0  | 0.1  | 1.7 | 3.6  |
| 8/1/2020 9:36 AM | -0.3 | 0.0  | 0.1  | 1.7 | 3.4  |
| 8/1/2020 9:42 AM | -0.3 | 0.0  | 0.1  | 1.7 | 3.4  |
| 8/1/2020 9:48 AM | -0.3 | 0.1  | 0.1  | 1.7 | 3.3  |

|                   |      |      |      |     |     |
|-------------------|------|------|------|-----|-----|
| 8/1/2020 9:54 AM  | -0.3 | 0.1  | 0.1  | 1.8 | 3.1 |
| 8/1/2020 10:00 AM | -0.3 | 0.1  | 0.1  | 1.8 | 3.1 |
| 8/1/2020 10:06 AM | -0.3 | 0.0  | 0.1  | 1.8 | 3.1 |
| 8/1/2020 10:12 AM | -0.3 | 0.0  | 0.0  | 1.9 | 3.2 |
| 8/1/2020 10:18 AM | -0.3 | 0.0  | 0.0  | 1.9 | 3.3 |
| 8/1/2020 10:24 AM | -0.4 | -0.1 | 0.0  | 1.9 | 3.2 |
| 8/1/2020 10:30 AM | -0.4 | -0.1 | 0.0  | 1.9 | 3.2 |
| 8/1/2020 10:36 AM | -0.4 | 0.0  | 0.1  | 1.8 | 3.1 |
| 8/1/2020 10:42 AM | -0.4 | 0.0  | 0.1  | 1.8 | 3.0 |
| 8/1/2020 10:48 AM | -0.4 | 0.1  | 0.1  | 1.7 | 2.8 |
| 8/1/2020 10:54 AM | -0.4 | 0.1  | 0.1  | 1.4 | 2.6 |
| 8/1/2020 11:00 AM | -0.4 | 0.1  | 0.0  | 1.2 | 2.6 |
| 8/1/2020 11:06 AM | -0.4 | 0.2  | 0.0  | 1.2 | 2.7 |
| 8/1/2020 11:12 AM | -0.4 | 0.2  | 0.0  | 1.1 | 2.7 |
| 8/1/2020 11:18 AM | -0.4 | 0.2  | 0.0  | 1.2 | 2.8 |
| 8/1/2020 11:24 AM | -0.4 | 0.3  | -0.1 | 1.2 | 2.8 |
| 8/1/2020 11:30 AM | -0.4 | 0.4  | -0.1 | 1.2 | 2.7 |
| 8/1/2020 11:36 AM | -0.4 | 0.4  | -0.1 | 1.2 | 2.7 |
| 8/1/2020 11:42 AM | -0.4 | 0.4  | -0.1 | 1.2 | 2.7 |
| 8/1/2020 11:48 AM | -0.3 | 0.4  | -0.1 | 1.2 | 2.7 |
| 8/1/2020 11:54 AM | -0.3 | 0.5  | -0.1 | 1.2 | 2.7 |
| 8/1/2020 12:00 PM | -0.3 | 0.5  | -0.1 | 1.2 | 2.7 |
| 8/1/2020 12:06 PM | -0.2 | 0.5  | 0.1  | 1.3 | 2.8 |
| 8/1/2020 12:12 PM | -0.2 | 0.5  | 0.2  | 1.3 | 2.8 |
| 8/1/2020 12:18 PM | -0.2 | 0.4  | 0.2  | 1.3 | 2.8 |
| 8/1/2020 12:24 PM | -0.2 | 0.4  | 0.2  | 1.3 | 2.8 |
| 8/1/2020 12:30 PM | -0.2 | 0.4  | 0.2  | 1.3 | 2.9 |
| 8/1/2020 12:36 PM | -0.2 | 0.4  | 0.1  | 1.3 | 2.8 |
| 8/1/2020 12:42 PM | -0.2 | 0.5  | 0.1  | 1.3 | 2.8 |
| 8/1/2020 12:48 PM | -0.2 | 0.6  | 0.0  | 1.4 | 2.8 |
| 8/1/2020 12:54 PM | -0.2 | 0.7  | 0.0  | 1.4 | 2.8 |
| 8/1/2020 1:00 PM  | -0.2 | 0.8  | 0.0  | 1.4 | 2.8 |
| 8/1/2020 1:06 PM  | -0.2 | 0.8  | 0.1  | 1.4 | 2.8 |
| 8/1/2020 1:12 PM  | -0.2 | 0.7  | 0.1  | 1.4 | 2.8 |
| 8/1/2020 1:18 PM  | -0.2 | 0.7  | 0.1  | 1.4 | 2.8 |
| 8/1/2020 1:24 PM  | -0.2 | 0.6  | 0.1  | 1.4 | 2.8 |
| 8/1/2020 1:30 PM  | -0.2 | 0.5  | 0.1  | 1.4 | 2.8 |
| 8/1/2020 1:36 PM  | -0.2 | 0.4  | 0.1  | 1.4 | 2.8 |
| 8/1/2020 1:42 PM  | -0.2 | 0.6  | 0.0  | 1.4 | 2.8 |
| 8/1/2020 1:48 PM  | -0.2 | 0.7  | -0.1 | 1.4 | 2.8 |
| 8/1/2020 1:54 PM  | -0.2 | 0.8  | -0.1 | 1.5 | 2.8 |
| 8/1/2020 2:00 PM  | -0.2 | 1.0  | -0.2 | 1.5 | 2.8 |
| 8/1/2020 2:06 PM  | -0.3 | 1.1  | -0.2 | 1.5 | 2.8 |
| 8/1/2020 2:12 PM  | -0.3 | 1.2  | -0.2 | 1.5 | 2.8 |
| 8/1/2020 2:18 PM  | -0.3 | 1.2  | -0.2 | 1.5 | 2.8 |
| 8/1/2020 2:24 PM  | -0.3 | 1.2  | -0.2 | 1.5 | 2.8 |
| 8/1/2020 2:30 PM  | -0.3 | 1.1  | -0.2 | 1.5 | 2.9 |
| 8/1/2020 2:36 PM  | -0.3 | 1.1  | -0.2 | 1.5 | 2.9 |
| 8/1/2020 2:42 PM  | -0.3 | 1.1  | -0.3 | 1.5 | 2.8 |
| 8/1/2020 2:48 PM  | -0.3 | 1.2  | -0.3 | 1.5 | 2.8 |

|                  |      |     |      |     |     |
|------------------|------|-----|------|-----|-----|
| 8/1/2020 2:54 PM | -0.3 | 1.4 | -0.4 | 1.4 | 2.8 |
| 8/1/2020 3:00 PM | -0.3 | 1.6 | -0.4 | 1.4 | 2.8 |
| 8/1/2020 3:06 PM | -0.3 | 1.8 | -0.5 | 1.4 | 2.8 |
| 8/1/2020 3:12 PM | -0.3 | 1.9 | -0.5 | 1.4 | 2.8 |
| 8/1/2020 3:18 PM | -0.3 | 2.0 | -0.4 | 1.4 | 2.8 |
| 8/1/2020 3:24 PM | -0.3 | 2.0 | -0.4 | 1.4 | 2.8 |
| 8/1/2020 3:30 PM | -0.3 | 2.0 | -0.4 | 1.4 | 2.8 |
| 8/1/2020 3:36 PM | -0.3 | 2.0 | -0.4 | 1.4 | 2.8 |
| 8/1/2020 3:42 PM | -0.3 | 2.0 | -0.4 | 1.4 | 2.8 |
| 8/1/2020 3:48 PM | -0.3 | 2.0 | -0.4 | 1.4 | 2.7 |
| 8/1/2020 3:54 PM | -0.3 | 1.9 | -0.4 | 1.3 | 2.6 |
| 8/1/2020 4:00 PM | -0.3 | 1.7 | -0.4 | 1.3 | 2.6 |
| 8/1/2020 4:06 PM | -0.3 | 1.5 | -0.4 | 1.3 | 2.7 |
| 8/1/2020 4:12 PM | -0.3 | 1.3 | -0.4 | 1.3 | 2.6 |
| 8/1/2020 4:18 PM | -0.3 | 1.2 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 4:24 PM | -0.3 | 1.1 | -0.4 | 1.4 | 2.7 |
| 8/1/2020 4:30 PM | -0.3 | 1.0 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 4:36 PM | -0.3 | 1.0 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 4:42 PM | -0.3 | 1.1 | -0.4 | 1.3 | 2.6 |
| 8/1/2020 4:48 PM | -0.3 | 1.2 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 4:54 PM | -0.3 | 1.2 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 5:00 PM | -0.3 | 1.3 | -0.4 | 1.4 | 2.7 |
| 8/1/2020 5:06 PM | -0.3 | 1.4 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 5:12 PM | -0.3 | 1.5 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 5:18 PM | -0.3 | 1.5 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 5:24 PM | -0.3 | 1.7 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 5:30 PM | -0.3 | 1.9 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 5:36 PM | -0.3 | 1.9 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 5:42 PM | -0.3 | 1.8 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 5:48 PM | -0.3 | 1.7 | -0.4 | 1.4 | 2.5 |
| 8/1/2020 5:54 PM | -0.4 | 1.7 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 6:00 PM | -0.4 | 1.7 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 6:06 PM | -0.4 | 1.8 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 6:12 PM | -0.4 | 1.9 | -0.4 | 1.5 | 2.6 |
| 8/1/2020 6:18 PM | -0.4 | 2.0 | -0.4 | 1.4 | 2.6 |
| 8/1/2020 6:24 PM | -0.4 | 2.1 | -0.4 | 1.4 | 2.7 |
| 8/1/2020 6:30 PM | -0.4 | 2.3 | -0.4 | 1.5 | 2.7 |
| 8/1/2020 6:36 PM | -0.4 | 2.4 | -0.3 | 1.5 | 2.7 |
| 8/1/2020 6:42 PM | -0.4 | 2.7 | -0.3 | 1.5 | 2.7 |
| 8/1/2020 6:48 PM | -0.4 | 2.9 | -0.3 | 1.5 | 2.7 |
| 8/1/2020 6:54 PM | -0.4 | 3.1 | -0.4 | 1.4 | 2.7 |
| 8/1/2020 7:00 PM | -0.4 | 3.1 | -0.4 | 1.4 | 2.8 |
| 8/1/2020 7:06 PM | -0.4 | 3.0 | -0.4 | 1.4 | 2.7 |
| 8/1/2020 7:12 PM | -0.4 | 2.9 | -0.4 | 1.4 | 2.7 |
| 8/1/2020 7:18 PM | -0.4 | 2.8 | -0.4 | 1.4 | 2.8 |
| 8/1/2020 7:24 PM | -0.4 | 2.8 | -0.4 | 1.4 | 2.8 |
| 8/1/2020 7:30 PM | -0.4 | 2.8 | -0.5 | 1.4 | 2.8 |
| 8/1/2020 7:36 PM | -0.4 | 2.8 | -0.5 | 1.5 | 2.8 |
| 8/1/2020 7:42 PM | -0.4 | 2.9 | -0.5 | 1.5 | 2.8 |
| 8/1/2020 7:48 PM | -0.4 | 2.8 | -0.5 | 1.5 | 2.9 |



|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/1/2020 7:54 PM  | -0.4 | 2.8 | -0.5 | 1.5 | 2.9 |
| 8/1/2020 8:00 PM  | -0.4 | 2.8 | -0.5 | 1.5 | 2.9 |
| 8/1/2020 8:06 PM  | -0.4 | 2.7 | -0.5 | 1.5 | 2.9 |
| 8/1/2020 8:12 PM  | -0.4 | 2.7 | -0.5 | 1.5 | 2.9 |
| 8/1/2020 8:18 PM  | -0.4 | 2.7 | -0.5 | 1.5 | 2.9 |
| 8/1/2020 8:24 PM  | -0.4 | 2.8 | -0.5 | 1.5 | 2.8 |
| 8/1/2020 8:30 PM  | -0.4 | 2.7 | -0.5 | 1.5 | 2.8 |
| 8/1/2020 8:36 PM  | -0.4 | 2.7 | -0.5 | 1.6 | 2.9 |
| 8/1/2020 8:42 PM  | -0.4 | 2.7 | -0.5 | 1.6 | 2.8 |
| 8/1/2020 8:48 PM  | -0.4 | 2.7 | -0.5 | 1.6 | 2.9 |
| 8/1/2020 8:54 PM  | -0.4 | 2.7 | -0.5 | 1.5 | 2.9 |
| 8/1/2020 9:00 PM  | -0.4 | 2.6 | -0.5 | 1.5 | 2.9 |
| 8/1/2020 9:06 PM  | -0.4 | 2.6 | -0.5 | 1.5 | 2.9 |
| 8/1/2020 9:12 PM  | -0.4 | 2.6 | -0.5 | 1.5 | 2.9 |
| 8/1/2020 9:18 PM  | -0.4 | 2.7 | -0.5 | 1.5 | 2.9 |
| 8/1/2020 9:24 PM  | -0.4 | 2.7 | -0.5 | 1.5 | 3.0 |
| 8/1/2020 9:30 PM  | -0.4 | 2.7 | -0.5 | 1.5 | 3.1 |
| 8/1/2020 9:36 PM  | -0.4 | 2.7 | -0.5 | 1.6 | 3.3 |
| 8/1/2020 9:42 PM  | -0.4 | 2.7 | -0.5 | 1.6 | 3.3 |
| 8/1/2020 9:48 PM  | -0.4 | 2.7 | -0.5 | 1.6 | 3.1 |
| 8/1/2020 9:54 PM  | -0.4 | 2.7 | -0.5 | 1.6 | 3.0 |
| 8/1/2020 10:00 PM | -0.4 | 2.7 | -0.5 | 1.6 | 3.0 |
| 8/1/2020 10:06 PM | -0.4 | 2.7 | -0.5 | 1.7 | 3.0 |
| 8/1/2020 10:12 PM | -0.4 | 2.7 | -0.5 | 1.7 | 3.0 |
| 8/1/2020 10:18 PM | -0.4 | 2.7 | -0.5 | 1.7 | 2.9 |
| 8/1/2020 10:24 PM | -0.4 | 2.7 | -0.5 | 1.6 | 2.9 |
| 8/1/2020 10:30 PM | -0.4 | 2.6 | -0.5 | 1.6 | 2.9 |
| 8/1/2020 10:36 PM | -0.4 | 2.7 | -0.5 | 1.7 | 2.9 |
| 8/1/2020 10:42 PM | -0.4 | 2.6 | -0.5 | 1.7 | 2.9 |
| 8/1/2020 10:48 PM | -0.4 | 2.7 | -0.5 | 1.6 | 2.9 |
| 8/1/2020 10:54 PM | -0.4 | 2.7 | -0.5 | 1.6 | 2.9 |
| 8/1/2020 11:00 PM | -0.4 | 2.7 | -0.5 | 1.6 | 2.9 |
| 8/1/2020 11:06 PM | -0.4 | 2.7 | -0.5 | 1.6 | 2.9 |
| 8/1/2020 11:12 PM | -0.4 | 2.7 | -0.5 | 1.5 | 2.9 |
| 8/1/2020 11:18 PM | -0.4 | 2.7 | -0.6 | 1.6 | 2.9 |
| 8/1/2020 11:24 PM | -0.4 | 2.7 | -0.6 | 1.6 | 2.9 |
| 8/1/2020 11:30 PM | -0.4 | 2.7 | -0.6 | 1.6 | 2.9 |
| 8/1/2020 11:36 PM | -0.4 | 2.7 | -0.6 | 1.6 | 2.9 |
| 8/1/2020 11:42 PM | -0.4 | 2.7 | -0.6 | 1.6 | 2.9 |
| 8/1/2020 11:48 PM | -0.4 | 2.7 | -0.6 | 1.6 | 2.9 |
| 8/1/2020 11:54 PM | -0.4 | 2.7 | -0.6 | 1.6 | 2.8 |
| 8/2/2020 12:00 AM | -0.4 | 2.7 | -0.6 | 1.6 | 2.8 |
| 8/2/2020 12:06 AM | -0.4 | 2.7 | -0.6 | 1.6 | 2.9 |
| 8/2/2020 12:12 AM | -0.4 | 2.7 | -0.6 | 1.7 | 2.9 |
| 8/2/2020 12:18 AM | -0.4 | 2.7 | -0.6 | 2.5 | 1.4 |
| 8/2/2020 12:24 AM | -0.4 | 2.7 | -0.6 | 3.0 | 0.2 |
| 8/2/2020 12:30 AM | -0.4 | 2.7 | -0.6 | 2.8 | 0.1 |
| 8/2/2020 12:36 AM | -0.4 | 2.7 | -0.6 | 2.7 | 0.1 |
| 8/2/2020 12:42 AM | -0.4 | 2.7 | -0.6 | 2.8 | 0.1 |
| 8/2/2020 12:48 AM | -0.4 | 2.7 | -0.6 | 3.0 | 0.1 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/2/2020 12:54 AM | -0.4 | 2.7 | -0.6 | 3.0 | 0.1 |
| 8/2/2020 1:00 AM  | -0.4 | 2.7 | -0.6 | 3.0 | 0.1 |
| 8/2/2020 1:06 AM  | -0.4 | 2.7 | -0.6 | 2.9 | 0.1 |
| 8/2/2020 1:12 AM  | -0.4 | 2.7 | -0.6 | 2.8 | 0.1 |
| 8/2/2020 1:18 AM  | -0.4 | 2.7 | -0.6 | 2.9 | 0.2 |
| 8/2/2020 1:24 AM  | -0.4 | 2.7 | -0.6 | 2.9 | 0.1 |
| 8/2/2020 1:30 AM  | -0.4 | 2.7 | -0.6 | 2.8 | 0.2 |
| 8/2/2020 1:36 AM  | -0.4 | 2.7 | -0.6 | 2.9 | 0.1 |
| 8/2/2020 1:42 AM  | -0.4 | 2.7 | -0.6 | 2.9 | 0.1 |
| 8/2/2020 1:48 AM  | -0.4 | 2.7 | -0.6 | 2.8 | 0.1 |
| 8/2/2020 1:54 AM  | -0.4 | 2.6 | -0.6 | 2.6 | 0.1 |
| 8/2/2020 2:00 AM  | -0.4 | 2.6 | -0.6 | 2.6 | 0.1 |
| 8/2/2020 2:06 AM  | -0.4 | 2.6 | -0.6 | 2.5 | 0.1 |
| 8/2/2020 2:12 AM  | -0.4 | 2.6 | -0.6 | 2.6 | 0.1 |
| 8/2/2020 2:18 AM  | -0.4 | 2.6 | -0.6 | 2.7 | 0.1 |
| 8/2/2020 2:24 AM  | -0.4 | 2.6 | -0.6 | 2.6 | 0.1 |
| 8/2/2020 2:30 AM  | -0.4 | 2.6 | -0.6 | 2.5 | 0.1 |
| 8/2/2020 2:36 AM  | -0.4 | 2.6 | -0.6 | 2.5 | 0.1 |
| 8/2/2020 2:42 AM  | -0.4 | 2.6 | -0.6 | 2.5 | 0.1 |
| 8/2/2020 2:48 AM  | -0.4 | 2.6 | -0.6 | 2.6 | 0.1 |
| 8/2/2020 2:54 AM  | -0.4 | 2.6 | -0.5 | 2.5 | 0.2 |
| 8/2/2020 3:00 AM  | -0.4 | 2.6 | -0.5 | 2.5 | 0.1 |
| 8/2/2020 3:06 AM  | -0.4 | 2.6 | -0.5 | 2.6 | 0.1 |
| 8/2/2020 3:12 AM  | -0.4 | 2.6 | -0.5 | 2.6 | 0.1 |
| 8/2/2020 3:18 AM  | -0.4 | 2.6 | -0.5 | 2.7 | 0.1 |
| 8/2/2020 3:24 AM  | -0.4 | 2.6 | -0.5 | 2.8 | 0.1 |
| 8/2/2020 3:30 AM  | -0.4 | 2.6 | -0.5 | 2.7 | 0.1 |
| 8/2/2020 3:36 AM  | -0.4 | 2.6 | -0.6 | 2.6 | 0.2 |
| 8/2/2020 3:42 AM  | -0.4 | 2.6 | -0.6 | 2.5 | 0.2 |
| 8/2/2020 3:48 AM  | -0.4 | 2.6 | -0.6 | 2.5 | 0.1 |
| 8/2/2020 3:54 AM  | -0.4 | 2.6 | -0.6 | 2.6 | 0.1 |
| 8/2/2020 4:00 AM  | -0.4 | 2.7 | -0.6 | 2.5 | 0.1 |
| 8/2/2020 4:06 AM  | -0.4 | 2.7 | -0.6 | 2.5 | 0.1 |
| 8/2/2020 4:12 AM  | -0.4 | 2.7 | -0.6 | 2.4 | 0.2 |
| 8/2/2020 4:18 AM  | -0.4 | 2.7 | -0.6 | 2.5 | 0.1 |
| 8/2/2020 4:24 AM  | -0.4 | 2.7 | -0.6 | 2.6 | 0.1 |
| 8/2/2020 4:30 AM  | -0.4 | 2.7 | -0.6 | 2.6 | 0.1 |
| 8/2/2020 4:36 AM  | -0.4 | 2.7 | -0.6 | 2.6 | 0.1 |
| 8/2/2020 4:42 AM  | -0.4 | 2.7 | -0.6 | 2.5 | 0.1 |
| 8/2/2020 4:48 AM  | -0.4 | 2.7 | -0.5 | 2.5 | 0.1 |
| 8/2/2020 4:54 AM  | -0.4 | 2.7 | -0.5 | 2.5 | 0.1 |
| 8/2/2020 5:00 AM  | -0.4 | 2.7 | -0.6 | 2.4 | 0.1 |
| 8/2/2020 5:06 AM  | -0.4 | 2.7 | -0.6 | 2.8 | 0.1 |
| 8/2/2020 5:12 AM  | -0.4 | 2.7 | -0.6 | 3.9 | 0.1 |
| 8/2/2020 5:18 AM  | -0.4 | 2.7 | -0.6 | 4.3 | 0.1 |
| 8/2/2020 5:24 AM  | -0.4 | 2.8 | -0.6 | 4.2 | 0.1 |
| 8/2/2020 5:30 AM  | -0.4 | 2.8 | -0.6 | 4.1 | 0.1 |
| 8/2/2020 5:36 AM  | -0.4 | 2.8 | -0.6 | 4.0 | 0.1 |
| 8/2/2020 5:42 AM  | -0.4 | 2.8 | -0.6 | 4.1 | 0.1 |
| 8/2/2020 5:48 AM  | -0.4 | 2.8 | -0.6 | 4.1 | 0.1 |

|                   |      |     |      |     |      |
|-------------------|------|-----|------|-----|------|
| 8/2/2020 5:54 AM  | -0.4 | 2.8 | -0.6 | 4.5 | 0.1  |
| 8/2/2020 6:00 AM  | -0.4 | 2.8 | -0.6 | 6.3 | 0.1  |
| 8/2/2020 6:06 AM  | -0.4 | 2.8 | -0.6 | 6.9 | 0.2  |
| 8/2/2020 6:12 AM  | -0.4 | 2.7 | -0.6 | 6.5 | 0.1  |
| 8/2/2020 6:18 AM  | -0.4 | 2.8 | -0.6 | 6.4 | 0.2  |
| 8/2/2020 6:24 AM  | -0.4 | 2.9 | -0.6 | 6.6 | 0.1  |
| 8/2/2020 6:30 AM  | -0.4 | 2.9 | -0.6 | 6.7 | 0.1  |
| 8/2/2020 6:36 AM  | -0.4 | 3.0 | -0.7 | 6.7 | 0.1  |
| 8/2/2020 6:42 AM  | -0.4 | 3.2 | -0.7 | 6.6 | 5.0  |
| 8/2/2020 6:48 AM  | -0.4 | 3.4 | -0.7 | 4.3 | 11.1 |
| 8/2/2020 6:54 AM  | -0.4 | 3.6 | -0.8 | 2.9 | 9.8  |
| 8/2/2020 7:00 AM  | -0.4 | 3.8 | -0.8 | 3.1 | 7.8  |
| 8/2/2020 7:06 AM  | -0.4 | 4.0 | -0.9 | 3.0 | 6.7  |
| 8/2/2020 7:12 AM  | -0.4 | 4.0 | -0.9 | 2.8 | 5.3  |
| 8/2/2020 7:18 AM  | -0.4 | 3.8 | -0.8 | 2.6 | 4.4  |
| 8/2/2020 7:24 AM  | -0.4 | 3.6 | -0.8 | 2.6 | 4.0  |
| 8/2/2020 7:30 AM  | -0.4 | 3.4 | -0.7 | 2.6 | 3.7  |
| 8/2/2020 7:36 AM  | -0.4 | 3.3 | -0.7 | 2.5 | 3.5  |
| 8/2/2020 7:42 AM  | -0.4 | 3.1 | -0.6 | 2.5 | 3.5  |
| 8/2/2020 7:48 AM  | -0.4 | 3.0 | -0.6 | 2.5 | 3.4  |
| 8/2/2020 7:54 AM  | -0.4 | 2.9 | -0.6 | 2.4 | 3.3  |
| 8/2/2020 8:00 AM  | -0.4 | 2.9 | -0.6 | 2.4 | 3.1  |
| 8/2/2020 8:06 AM  | -0.4 | 2.8 | -0.6 | 1.7 | 2.9  |
| 8/2/2020 8:12 AM  | -0.4 | 2.8 | -0.6 | 1.1 | 2.9  |
| 8/2/2020 8:18 AM  | -0.4 | 2.8 | -0.5 | 1.1 | 2.8  |
| 8/2/2020 8:24 AM  | -0.4 | 2.8 | -0.5 | 1.0 | 2.8  |
| 8/2/2020 8:30 AM  | -0.4 | 2.8 | -0.5 | 1.1 | 2.9  |
| 8/2/2020 8:36 AM  | -0.4 | 2.8 | -0.5 | 1.1 | 2.9  |
| 8/2/2020 8:42 AM  | -0.4 | 2.8 | -0.5 | 1.2 | 2.9  |
| 8/2/2020 8:48 AM  | -0.4 | 2.8 | -0.5 | 1.2 | 2.9  |
| 8/2/2020 8:54 AM  | -0.4 | 2.9 | -0.6 | 1.2 | 3.0  |
| 8/2/2020 9:00 AM  | -0.4 | 2.9 | -0.6 | 1.4 | 3.0  |
| 8/2/2020 9:06 AM  | -0.4 | 2.9 | -0.6 | 1.4 | 3.1  |
| 8/2/2020 9:12 AM  | -0.4 | 2.9 | -0.6 | 1.4 | 3.1  |
| 8/2/2020 9:18 AM  | -0.4 | 2.9 | -0.6 | 1.3 | 3.0  |
| 8/2/2020 9:24 AM  | -0.4 | 3.0 | -0.6 | 1.3 | 3.0  |
| 8/2/2020 9:30 AM  | -0.4 | 3.0 | -0.6 | 1.4 | 3.0  |
| 8/2/2020 9:36 AM  | -0.4 | 2.9 | -0.6 | 1.4 | 3.0  |
| 8/2/2020 9:42 AM  | -0.4 | 3.0 | -0.6 | 1.4 | 3.0  |
| 8/2/2020 9:48 AM  | -0.4 | 3.0 | -0.6 | 1.4 | 3.1  |
| 8/2/2020 9:54 AM  | -0.4 | 2.9 | -0.6 | 1.4 | 3.1  |
| 8/2/2020 10:00 AM | -0.4 | 2.9 | -0.6 | 1.4 | 3.0  |
| 8/2/2020 10:06 AM | -0.4 | 2.9 | -0.6 | 1.4 | 3.0  |
| 8/2/2020 10:12 AM | -0.4 | 2.9 | -0.6 | 1.4 | 3.1  |
| 8/2/2020 10:18 AM | -0.4 | 3.1 | -0.6 | 1.4 | 3.1  |
| 8/2/2020 10:24 AM | -0.4 | 3.2 | -0.6 | 1.4 | 3.0  |
| 8/2/2020 10:30 AM | -0.4 | 3.2 | -0.6 | 1.4 | 3.1  |
| 8/2/2020 10:36 AM | -0.4 | 3.2 | -0.6 | 1.4 | 3.1  |
| 8/2/2020 10:42 AM | -0.4 | 3.3 | -0.6 | 1.5 | 3.0  |
| 8/2/2020 10:48 AM | -0.3 | 3.3 | -0.6 | 1.5 | 3.0  |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/2/2020 10:54 AM | -0.3 | 3.3 | -0.6 | 1.5 | 3.1 |
| 8/2/2020 11:00 AM | -0.3 | 3.4 | -0.7 | 1.5 | 3.1 |
| 8/2/2020 11:06 AM | -0.3 | 3.4 | -0.7 | 1.7 | 3.0 |
| 8/2/2020 11:12 AM | -0.3 | 3.5 | -0.7 | 1.9 | 3.0 |
| 8/2/2020 11:18 AM | -0.3 | 3.5 | -0.7 | 1.9 | 3.0 |
| 8/2/2020 11:24 AM | -0.3 | 3.6 | -0.7 | 1.8 | 3.1 |
| 8/2/2020 11:30 AM | -0.3 | 3.6 | -0.7 | 1.8 | 3.2 |
| 8/2/2020 11:36 AM | -0.3 | 3.6 | -0.6 | 1.7 | 3.4 |
| 8/2/2020 11:42 AM | -0.3 | 3.5 | -0.6 | 1.8 | 3.3 |
| 8/2/2020 11:48 AM | -0.3 | 3.2 | -0.6 | 1.8 | 3.2 |
| 8/2/2020 11:54 AM | -0.3 | 3.0 | -0.5 | 1.8 | 3.2 |
| 8/2/2020 12:00 PM | -0.3 | 3.0 | -0.5 | 1.7 | 3.1 |
| 8/2/2020 12:06 PM | -0.2 | 2.9 | -0.4 | 1.6 | 2.9 |
| 8/2/2020 12:12 PM | -0.2 | 2.8 | -0.4 | 1.6 | 2.9 |
| 8/2/2020 12:18 PM | -0.2 | 2.6 | -0.4 | 1.6 | 2.9 |
| 8/2/2020 12:24 PM | -0.2 | 2.4 | -0.4 | 1.7 | 3.0 |
| 8/2/2020 12:30 PM | -0.2 | 2.4 | -0.4 | 1.7 | 3.0 |
| 8/2/2020 12:36 PM | -0.2 | 2.4 | -0.4 | 1.7 | 3.0 |
| 8/2/2020 12:42 PM | -0.2 | 2.6 | -0.5 | 1.7 | 2.9 |
| 8/2/2020 12:48 PM | -0.2 | 2.7 | -0.5 | 1.8 | 2.8 |
| 8/2/2020 12:54 PM | -0.2 | 2.8 | -0.5 | 2.0 | 2.8 |
| 8/2/2020 1:00 PM  | -0.2 | 2.7 | -0.5 | 2.0 | 2.8 |
| 8/2/2020 1:06 PM  | -0.2 | 2.5 | -0.4 | 2.1 | 2.9 |
| 8/2/2020 1:12 PM  | -0.2 | 2.3 | -0.3 | 2.0 | 2.9 |
| 8/2/2020 1:18 PM  | -0.2 | 2.0 | -0.2 | 1.9 | 2.9 |
| 8/2/2020 1:24 PM  | -0.2 | 1.7 | -0.2 | 1.9 | 3.0 |
| 8/2/2020 1:30 PM  | -0.2 | 1.4 | -0.1 | 1.9 | 3.0 |
| 8/2/2020 1:36 PM  | -0.2 | 1.4 | -0.2 | 1.9 | 2.9 |
| 8/2/2020 1:42 PM  | -0.2 | 1.4 | -0.2 | 1.9 | 2.9 |
| 8/2/2020 1:48 PM  | -0.2 | 1.6 | -0.3 | 1.9 | 3.0 |
| 8/2/2020 1:54 PM  | -0.2 | 1.7 | -0.3 | 1.8 | 2.9 |
| 8/2/2020 2:00 PM  | -0.2 | 1.8 | -0.4 | 1.9 | 2.9 |
| 8/2/2020 2:06 PM  | -0.2 | 1.9 | -0.4 | 1.9 | 3.0 |
| 8/2/2020 2:12 PM  | -0.2 | 1.9 | -0.4 | 1.9 | 3.0 |
| 8/2/2020 2:18 PM  | -0.2 | 1.9 | -0.4 | 1.8 | 3.0 |
| 8/2/2020 2:24 PM  | -0.2 | 1.8 | -0.3 | 1.7 | 3.0 |
| 8/2/2020 2:30 PM  | -0.2 | 1.7 | -0.3 | 1.7 | 2.9 |
| 8/2/2020 2:36 PM  | -0.2 | 1.6 | -0.3 | 1.7 | 2.8 |
| 8/2/2020 2:42 PM  | -0.2 | 1.5 | -0.4 | 1.8 | 2.8 |
| 8/2/2020 2:48 PM  | -0.2 | 1.6 | -0.4 | 1.7 | 2.9 |
| 8/2/2020 2:54 PM  | -0.2 | 1.7 | -0.5 | 1.7 | 2.9 |
| 8/2/2020 3:00 PM  | -0.2 | 1.9 | -0.5 | 1.8 | 2.8 |
| 8/2/2020 3:06 PM  | -0.2 | 2.1 | -0.6 | 1.8 | 2.8 |
| 8/2/2020 3:12 PM  | -0.2 | 2.2 | -0.6 | 2.0 | 2.8 |
| 8/2/2020 3:18 PM  | -0.2 | 2.4 | -0.6 | 1.9 | 2.8 |
| 8/2/2020 3:24 PM  | -0.2 | 2.5 | -0.6 | 1.9 | 2.9 |
| 8/2/2020 3:30 PM  | -0.2 | 2.5 | -0.6 | 1.8 | 2.8 |
| 8/2/2020 3:36 PM  | -0.2 | 2.5 | -0.6 | 1.8 | 2.8 |
| 8/2/2020 3:42 PM  | -0.2 | 2.4 | -0.6 | 1.8 | 2.8 |
| 8/2/2020 3:48 PM  | -0.2 | 2.4 | -0.6 | 1.8 | 2.9 |

|                  |      |     |      |     |     |
|------------------|------|-----|------|-----|-----|
| 8/2/2020 3:54 PM | -0.2 | 2.4 | -0.7 | 1.7 | 2.9 |
| 8/2/2020 4:00 PM | -0.2 | 2.4 | -0.7 | 1.8 | 2.8 |
| 8/2/2020 4:06 PM | -0.2 | 2.4 | -0.7 | 1.8 | 2.7 |
| 8/2/2020 4:12 PM | -0.2 | 2.3 | -0.7 | 1.9 | 2.8 |
| 8/2/2020 4:18 PM | -0.2 | 2.3 | -0.7 | 1.9 | 2.9 |
| 8/2/2020 4:24 PM | -0.2 | 2.4 | -0.7 | 1.9 | 2.9 |
| 8/2/2020 4:30 PM | -0.2 | 2.5 | -0.7 | 1.9 | 2.9 |
| 8/2/2020 4:36 PM | -0.2 | 2.5 | -0.7 | 2.0 | 2.9 |
| 8/2/2020 4:42 PM | -0.2 | 2.3 | -0.7 | 2.0 | 2.9 |
| 8/2/2020 4:48 PM | -0.2 | 1.9 | -0.7 | 2.0 | 2.9 |
| 8/2/2020 4:54 PM | -0.2 | 1.7 | -0.7 | 2.0 | 2.9 |
| 8/2/2020 5:00 PM | -0.2 | 1.6 | -0.7 | 2.0 | 2.9 |
| 8/2/2020 5:06 PM | -0.2 | 1.5 | -0.7 | 2.0 | 2.9 |
| 8/2/2020 5:12 PM | -0.2 | 1.5 | -0.7 | 2.0 | 2.9 |
| 8/2/2020 5:18 PM | -0.2 | 1.4 | -0.7 | 2.1 | 2.8 |
| 8/2/2020 5:24 PM | -0.2 | 1.5 | -0.7 | 2.1 | 2.9 |
| 8/2/2020 5:30 PM | -0.2 | 1.5 | -0.7 | 2.1 | 3.0 |
| 8/2/2020 5:36 PM | -0.2 | 1.5 | -0.7 | 2.7 | 3.0 |
| 8/2/2020 5:42 PM | -0.2 | 1.8 | -0.7 | 3.2 | 3.0 |
| 8/2/2020 5:48 PM | -0.2 | 2.0 | -0.7 | 2.8 | 3.1 |
| 8/2/2020 5:54 PM | -0.2 | 2.1 | -0.6 | 2.7 | 3.1 |
| 8/2/2020 6:00 PM | -0.2 | 2.3 | -0.6 | 2.7 | 3.0 |
| 8/2/2020 6:06 PM | -0.2 | 2.6 | -0.7 | 2.8 | 3.0 |
| 8/2/2020 6:12 PM | -0.2 | 2.8 | -0.7 | 2.8 | 2.9 |
| 8/2/2020 6:18 PM | -0.2 | 2.9 | -0.6 | 2.7 | 2.9 |
| 8/2/2020 6:24 PM | -0.2 | 3.0 | -0.6 | 2.7 | 3.0 |
| 8/2/2020 6:30 PM | -0.2 | 3.1 | -0.6 | 2.8 | 3.0 |
| 8/2/2020 6:36 PM | -0.2 | 3.1 | -0.6 | 2.8 | 3.0 |
| 8/2/2020 6:42 PM | -0.2 | 3.2 | -0.6 | 2.7 | 3.1 |
| 8/2/2020 6:48 PM | -0.2 | 3.2 | -0.6 | 2.6 | 3.1 |
| 8/2/2020 6:54 PM | -0.2 | 3.2 | -0.6 | 2.6 | 3.2 |
| 8/2/2020 7:00 PM | -0.2 | 3.1 | -0.6 | 2.6 | 3.2 |
| 8/2/2020 7:06 PM | -0.2 | 3.1 | -0.6 | 2.6 | 3.1 |
| 8/2/2020 7:12 PM | -0.2 | 3.1 | -0.6 | 2.6 | 3.1 |
| 8/2/2020 7:18 PM | -0.2 | 3.1 | -0.6 | 2.6 | 3.1 |
| 8/2/2020 7:24 PM | -0.2 | 3.0 | -0.6 | 2.7 | 3.1 |
| 8/2/2020 7:30 PM | -0.2 | 3.0 | -0.6 | 2.7 | 3.2 |
| 8/2/2020 7:36 PM | -0.2 | 3.0 | -0.6 | 4.7 | 3.1 |
| 8/2/2020 7:42 PM | -0.3 | 3.0 | -0.6 | 6.1 | 3.1 |
| 8/2/2020 7:48 PM | -0.3 | 3.0 | -0.6 | 6.0 | 3.1 |
| 8/2/2020 7:54 PM | -0.3 | 2.9 | -0.6 | 5.4 | 3.1 |
| 8/2/2020 8:00 PM | -0.3 | 2.9 | -0.6 | 5.0 | 3.1 |
| 8/2/2020 8:06 PM | -0.3 | 2.9 | -0.6 | 5.0 | 3.1 |
| 8/2/2020 8:12 PM | -0.3 | 2.9 | -0.6 | 4.9 | 3.1 |
| 8/2/2020 8:18 PM | -0.3 | 2.9 | -0.6 | 4.9 | 3.1 |
| 8/2/2020 8:24 PM | -0.3 | 2.9 | -0.6 | 4.8 | 3.2 |
| 8/2/2020 8:30 PM | -0.3 | 2.9 | -0.6 | 4.7 | 3.2 |
| 8/2/2020 8:36 PM | -0.3 | 2.9 | -0.6 | 4.8 | 3.1 |
| 8/2/2020 8:42 PM | -0.3 | 2.9 | -0.6 | 4.8 | 3.1 |
| 8/2/2020 8:48 PM | -0.3 | 2.9 | -0.6 | 4.8 | 3.1 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/2/2020 8:54 PM  | -0.3 | 3.0 | -0.6 | 4.9 | 3.1 |
| 8/2/2020 9:00 PM  | -0.3 | 3.0 | -0.6 | 5.0 | 3.1 |
| 8/2/2020 9:06 PM  | -0.3 | 3.0 | -0.6 | 4.8 | 3.1 |
| 8/2/2020 9:12 PM  | -0.3 | 3.0 | -0.6 | 4.7 | 3.1 |
| 8/2/2020 9:18 PM  | -0.3 | 3.0 | -0.6 | 4.9 | 3.1 |
| 8/2/2020 9:24 PM  | -0.3 | 3.0 | -0.6 | 4.9 | 3.1 |
| 8/2/2020 9:30 PM  | -0.3 | 3.0 | -0.6 | 4.8 | 3.2 |
| 8/2/2020 9:36 PM  | -0.3 | 2.9 | -0.6 | 4.7 | 3.2 |
| 8/2/2020 9:42 PM  | -0.3 | 2.9 | -0.6 | 4.6 | 3.1 |
| 8/2/2020 9:48 PM  | -0.3 | 2.9 | -0.6 | 4.7 | 3.1 |
| 8/2/2020 9:54 PM  | -0.3 | 2.9 | -0.6 | 4.9 | 3.1 |
| 8/2/2020 10:00 PM | -0.3 | 2.9 | -0.6 | 5.2 | 3.0 |
| 8/2/2020 10:06 PM | -0.3 | 2.9 | -0.6 | 4.7 | 3.0 |
| 8/2/2020 10:12 PM | -0.3 | 2.9 | -0.6 | 3.6 | 3.1 |
| 8/2/2020 10:18 PM | -0.3 | 3.0 | -0.6 | 3.3 | 3.1 |
| 8/2/2020 10:24 PM | -0.3 | 3.0 | -0.6 | 3.4 | 3.1 |
| 8/2/2020 10:30 PM | -0.3 | 3.0 | -0.6 | 3.5 | 3.2 |
| 8/2/2020 10:36 PM | -0.3 | 3.0 | -0.6 | 3.6 | 3.2 |
| 8/2/2020 10:42 PM | -0.3 | 3.0 | -0.6 | 3.7 | 3.2 |
| 8/2/2020 10:48 PM | -0.3 | 3.0 | -0.6 | 3.7 | 3.2 |
| 8/2/2020 10:54 PM | -0.3 | 3.0 | -0.6 | 3.6 | 3.2 |
| 8/2/2020 11:00 PM | -0.3 | 3.0 | -0.6 | 3.6 | 3.2 |
| 8/2/2020 11:06 PM | -0.3 | 3.0 | -0.6 | 3.7 | 3.2 |
| 8/2/2020 11:12 PM | -0.3 | 3.1 | -0.6 | 3.7 | 3.2 |
| 8/2/2020 11:18 PM | -0.3 | 3.1 | -0.6 | 3.7 | 3.2 |
| 8/2/2020 11:24 PM | -0.3 | 3.1 | -0.6 | 3.7 | 3.2 |
| 8/2/2020 11:30 PM | -0.3 | 3.0 | -0.6 | 3.8 | 3.1 |
| 8/2/2020 11:36 PM | -0.3 | 3.0 | -0.6 | 3.8 | 3.0 |
| 8/2/2020 11:42 PM | -0.3 | 3.0 | -0.6 | 3.8 | 3.0 |
| 8/2/2020 11:48 PM | -0.3 | 3.0 | -0.6 | 3.9 | 3.0 |
| 8/2/2020 11:54 PM | -0.3 | 3.0 | -0.6 | 4.0 | 2.9 |
| 8/3/2020 12:00 AM | -0.3 | 3.0 | -0.6 | 3.7 | 2.9 |
| 8/3/2020 12:06 AM | -0.3 | 3.0 | -0.6 | 3.4 | 2.9 |
| 8/3/2020 12:12 AM | -0.3 | 3.1 | -0.6 | 3.3 | 2.9 |
| 8/3/2020 12:18 AM | -0.3 | 3.0 | -0.6 | 3.1 | 3.0 |
| 8/3/2020 12:24 AM | -0.3 | 3.1 | -0.6 | 2.9 | 3.0 |
| 8/3/2020 12:30 AM | -0.3 | 3.1 | -0.6 | 4.8 | 2.9 |
| 8/3/2020 12:36 AM | -0.3 | 3.1 | -0.6 | 8.2 | 1.3 |
| 8/3/2020 12:42 AM | -0.3 | 3.1 | -0.6 | 8.7 | 0.1 |
| 8/3/2020 12:48 AM | -0.3 | 3.0 | -0.6 | 8.2 | 0.1 |
| 8/3/2020 12:54 AM | -0.3 | 3.0 | -0.6 | 8.1 | 0.1 |
| 8/3/2020 1:00 AM  | -0.3 | 3.0 | -0.6 | 8.0 | 0.1 |
| 8/3/2020 1:06 AM  | -0.3 | 3.1 | -0.6 | 8.1 | 0.1 |
| 8/3/2020 1:12 AM  | -0.3 | 3.1 | -0.6 | 8.4 | 0.1 |
| 8/3/2020 1:18 AM  | -0.3 | 3.0 | -0.6 | 8.6 | 0.1 |
| 8/3/2020 1:24 AM  | -0.3 | 3.0 | -0.6 | 8.7 | 0.1 |
| 8/3/2020 1:30 AM  | -0.3 | 2.9 | -0.6 | 9.0 | 0.1 |
| 8/3/2020 1:36 AM  | -0.3 | 2.9 | -0.6 | 8.9 | 0.1 |
| 8/3/2020 1:42 AM  | -0.3 | 2.9 | -0.5 | 8.9 | 0.1 |
| 8/3/2020 1:48 AM  | -0.3 | 2.8 | -0.5 | 9.0 | 0.1 |

|                  |      |     |      |     |     |
|------------------|------|-----|------|-----|-----|
| 8/3/2020 1:54 AM | -0.3 | 2.8 | -0.5 | 9.0 | 0.1 |
| 8/3/2020 2:00 AM | -0.3 | 2.8 | -0.5 | 8.9 | 0.1 |
| 8/3/2020 2:06 AM | -0.3 | 2.7 | -0.5 | 9.1 | 0.1 |
| 8/3/2020 2:12 AM | -0.3 | 2.7 | -0.5 | 9.4 | 0.1 |
| 8/3/2020 2:18 AM | -0.3 | 2.7 | -0.5 | 9.3 | 0.1 |
| 8/3/2020 2:24 AM | -0.3 | 2.7 | -0.5 | 9.0 | 0.1 |
| 8/3/2020 2:30 AM | -0.3 | 2.6 | -0.5 | 8.6 | 0.1 |
| 8/3/2020 2:36 AM | -0.3 | 2.6 | -0.5 | 8.3 | 0.1 |
| 8/3/2020 2:42 AM | -0.3 | 2.6 | -0.5 | 8.0 | 0.1 |
| 8/3/2020 2:48 AM | -0.3 | 2.6 | -0.5 | 8.0 | 0.1 |
| 8/3/2020 2:54 AM | -0.3 | 2.6 | -0.5 | 8.1 | 0.1 |
| 8/3/2020 3:00 AM | -0.3 | 2.6 | -0.5 | 8.1 | 0.1 |
| 8/3/2020 3:06 AM | -0.3 | 2.5 | -0.5 | 8.2 | 0.1 |
| 8/3/2020 3:12 AM | -0.3 | 2.5 | -0.5 | 8.2 | 0.1 |
| 8/3/2020 3:18 AM | -0.3 | 2.5 | -0.5 | 8.1 | 0.1 |
| 8/3/2020 3:24 AM | -0.3 | 2.5 | -0.5 | 8.2 | 0.1 |
| 8/3/2020 3:30 AM | -0.3 | 2.5 | -0.5 | 8.0 | 0.1 |
| 8/3/2020 3:36 AM | -0.3 | 2.4 | -0.5 | 7.9 | 0.1 |
| 8/3/2020 3:42 AM | -0.3 | 2.4 | -0.5 | 7.9 | 0.1 |
| 8/3/2020 3:48 AM | -0.3 | 2.4 | -0.5 | 7.3 | 0.1 |
| 8/3/2020 3:54 AM | -0.3 | 2.4 | -0.5 | 5.0 | 0.1 |
| 8/3/2020 4:00 AM | -0.3 | 2.4 | -0.5 | 3.6 | 0.1 |
| 8/3/2020 4:06 AM | -0.3 | 2.4 | -0.5 | 3.8 | 0.0 |
| 8/3/2020 4:12 AM | -0.3 | 2.3 | -0.5 | 3.7 | 0.1 |
| 8/3/2020 4:18 AM | -0.3 | 2.3 | -0.5 | 3.6 | 0.1 |
| 8/3/2020 4:24 AM | -0.3 | 2.3 | -0.5 | 3.5 | 0.1 |
| 8/3/2020 4:30 AM | -0.3 | 2.3 | -0.5 | 3.4 | 0.1 |
| 8/3/2020 4:36 AM | -0.3 | 2.3 | -0.5 | 3.5 | 0.1 |
| 8/3/2020 4:42 AM | -0.3 | 2.3 | -0.5 | 3.5 | 0.1 |
| 8/3/2020 4:48 AM | -0.3 | 2.3 | -0.5 | 3.5 | 0.1 |
| 8/3/2020 4:54 AM | -0.3 | 2.3 | -0.5 | 3.7 | 0.0 |
| 8/3/2020 5:00 AM | -0.3 | 2.3 | -0.5 | 3.7 | 0.0 |
| 8/3/2020 5:06 AM | -0.4 | 2.4 | -0.5 | 5.1 | 0.1 |
| 8/3/2020 5:12 AM | -0.4 | 2.4 | -0.5 | 6.8 | 0.1 |
| 8/3/2020 5:18 AM | -0.4 | 2.4 | -0.6 | 6.7 | 0.1 |
| 8/3/2020 5:24 AM | -0.4 | 2.6 | -0.6 | 6.4 | 0.0 |
| 8/3/2020 5:30 AM | -0.4 | 3.0 | -0.7 | 6.3 | 0.1 |
| 8/3/2020 5:36 AM | -0.4 | 3.5 | -0.8 | 6.3 | 0.1 |
| 8/3/2020 5:42 AM | -0.4 | 3.8 | -0.9 | 6.2 | 0.1 |
| 8/3/2020 5:48 AM | -0.4 | 4.0 | -1.0 | 6.1 | 0.0 |
| 8/3/2020 5:54 AM | -0.4 | 3.9 | -0.9 | 6.3 | 0.0 |
| 8/3/2020 6:00 AM | -0.4 | 3.6 | -0.9 | 6.3 | 0.1 |
| 8/3/2020 6:06 AM | -0.4 | 3.2 | -0.8 | 6.3 | 0.1 |
| 8/3/2020 6:12 AM | -0.4 | 2.9 | -0.8 | 6.2 | 0.1 |
| 8/3/2020 6:18 AM | -0.4 | 2.8 | -0.7 | 6.3 | 0.0 |
| 8/3/2020 6:24 AM | -0.4 | 2.6 | -0.7 | 6.4 | 0.0 |
| 8/3/2020 6:30 AM | -0.4 | 2.6 | -0.7 | 6.2 | 0.0 |
| 8/3/2020 6:36 AM | -0.4 | 3.0 | -0.8 | 6.3 | 0.0 |
| 8/3/2020 6:42 AM | -0.4 | 3.4 | -0.9 | 6.3 | 0.1 |
| 8/3/2020 6:48 AM | -0.4 | 3.5 | -0.9 | 6.3 | 0.0 |



|                   |      |     |      |     |      |
|-------------------|------|-----|------|-----|------|
| 8/3/2020 6:54 AM  | -0.4 | 3.4 | -0.8 | 6.5 | 0.1  |
| 8/3/2020 7:00 AM  | -0.4 | 3.3 | -0.8 | 6.4 | 0.0  |
| 8/3/2020 7:06 AM  | -0.4 | 3.3 | -0.8 | 7.2 | 0.0  |
| 8/3/2020 7:12 AM  | -0.4 | 3.5 | -0.9 | 8.4 | 0.0  |
| 8/3/2020 7:18 AM  | -0.4 | 3.5 | -0.9 | 8.0 | 0.0  |
| 8/3/2020 7:24 AM  | -0.4 | 3.3 | -0.9 | 7.5 | 0.0  |
| 8/3/2020 7:30 AM  | -0.4 | 3.0 | -0.9 | 7.3 | 0.0  |
| 8/3/2020 7:36 AM  | -0.4 | 2.8 | -0.9 | 7.8 | 0.0  |
| 8/3/2020 7:42 AM  | -0.4 | 2.6 | -0.8 | 7.6 | 0.0  |
| 8/3/2020 7:48 AM  | -0.3 | 2.3 | -0.8 | 7.1 | 0.1  |
| 8/3/2020 7:54 AM  | -0.3 | 2.5 | -0.8 | 7.1 | 0.0  |
| 8/3/2020 8:00 AM  | -0.3 | 2.6 | -0.9 | 5.0 | 9.2  |
| 8/3/2020 8:06 AM  | -0.3 | 2.6 | -0.9 | 2.3 | 14.6 |
| 8/3/2020 8:12 AM  | -0.3 | 2.6 | -0.9 | 1.6 | 10.0 |
| 8/3/2020 8:18 AM  | -0.3 | 2.6 | -0.9 | 1.6 | 8.2  |
| 8/3/2020 8:24 AM  | -0.3 | 2.7 | -0.9 | 1.6 | 6.9  |
| 8/3/2020 8:30 AM  | -0.3 | 2.8 | -0.8 | 1.6 | 5.8  |
| 8/3/2020 8:36 AM  | -0.3 | 2.8 | -0.7 | 1.7 | 4.9  |
| 8/3/2020 8:42 AM  | -0.3 | 2.8 | -0.5 | 1.7 | 4.4  |
| 8/3/2020 8:48 AM  | -0.3 | 2.7 | -0.3 | 1.8 | 4.1  |
| 8/3/2020 8:54 AM  | -0.3 | 2.5 | -0.1 | 1.8 | 3.8  |
| 8/3/2020 9:00 AM  | -0.3 | 2.4 | 0.0  | 1.8 | 3.4  |
| 8/3/2020 9:06 AM  | -0.2 | 2.2 | 0.0  | 1.9 | 3.3  |
| 8/3/2020 9:12 AM  | -0.2 | 2.0 | 0.0  | 1.8 | 3.3  |
| 8/3/2020 9:18 AM  | -0.2 | 1.7 | 0.0  | 1.8 | 3.3  |
| 8/3/2020 9:24 AM  | -0.2 | 1.4 | 0.0  | 1.8 | 3.2  |
| 8/3/2020 9:30 AM  | -0.2 | 1.0 | 0.0  | 1.8 | 3.2  |
| 8/3/2020 9:36 AM  | -0.2 | 0.9 | -0.1 | 1.9 | 3.2  |
| 8/3/2020 9:42 AM  | -0.2 | 0.8 | -0.1 | 1.8 | 3.3  |
| 8/3/2020 9:48 AM  | -0.2 | 0.8 | -0.1 | 1.8 | 3.4  |
| 8/3/2020 9:54 AM  | -0.2 | 0.8 | -0.1 | 1.7 | 3.2  |
| 8/3/2020 10:00 AM | -0.2 | 0.8 | -0.1 | 1.8 | 3.2  |
| 8/3/2020 10:06 AM | -0.2 | 0.8 | -0.1 | 1.8 | 3.2  |
| 8/3/2020 10:12 AM | -0.2 | 0.8 | -0.1 | 1.7 | 3.3  |
| 8/3/2020 10:18 AM | -0.2 | 0.7 | -0.1 | 1.7 | 3.3  |
| 8/3/2020 10:24 AM | -0.2 | 0.6 | -0.1 | 1.6 | 3.3  |
| 8/3/2020 10:30 AM | -0.3 | 0.6 | -0.1 | 1.6 | 3.2  |
| 8/3/2020 10:36 AM | -0.3 | 0.7 | -0.1 | 1.6 | 3.1  |
| 8/3/2020 10:42 AM | -0.3 | 0.8 | 0.0  | 1.6 | 3.1  |
| 8/3/2020 10:48 AM | -0.3 | 0.9 | 0.0  | 1.5 | 3.2  |
| 8/3/2020 10:54 AM | -0.3 | 0.9 | 0.0  | 1.5 | 3.8  |
| 8/3/2020 11:00 AM | -0.3 | 0.9 | 0.0  | 1.6 | 4.0  |
| 8/3/2020 11:06 AM | -0.3 | 0.9 | 0.0  | 1.7 | 3.7  |
| 8/3/2020 11:12 AM | -0.3 | 0.9 | -0.1 | 1.8 | 3.6  |
| 8/3/2020 11:18 AM | -0.3 | 1.0 | -0.1 | 1.7 | 3.5  |
| 8/3/2020 11:24 AM | -0.3 | 1.0 | -0.2 | 1.7 | 3.4  |
| 8/3/2020 11:30 AM | -0.3 | 1.1 | -0.2 | 1.6 | 3.4  |
| 8/3/2020 11:36 AM | -0.2 | 1.0 | -0.1 | 1.5 | 3.5  |
| 8/3/2020 11:42 AM | -0.2 | 1.0 | -0.1 | 1.5 | 3.5  |
| 8/3/2020 11:48 AM | -0.2 | 0.9 | -0.1 | 1.5 | 3.4  |



|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/3/2020 11:54 AM | -0.2 | 0.8 | -0.1 | 1.6 | 3.5 |
| 8/3/2020 12:00 PM | -0.2 | 0.9 | 0.0  | 1.6 | 3.4 |
| 8/3/2020 12:06 PM | -0.2 | 1.0 | 0.1  | 1.7 | 3.4 |
| 8/3/2020 12:12 PM | -0.2 | 1.0 | 0.1  | 1.7 | 3.3 |
| 8/3/2020 12:18 PM | -0.2 | 0.9 | 0.1  | 1.6 | 3.3 |
| 8/3/2020 12:24 PM | -0.2 | 0.9 | 0.0  | 1.6 | 3.4 |
| 8/3/2020 12:30 PM | -0.2 | 1.0 | -0.1 | 1.5 | 3.3 |
| 8/3/2020 12:36 PM | -0.2 | 1.1 | -0.1 | 1.6 | 3.3 |
| 8/3/2020 12:42 PM | -0.2 | 1.3 | -0.2 | 1.6 | 3.2 |
| 8/3/2020 12:48 PM | -0.2 | 1.4 | -0.3 | 1.5 | 3.1 |
| 8/3/2020 12:54 PM | -0.2 | 1.5 | -0.3 | 1.5 | 3.0 |
| 8/3/2020 1:00 PM  | -0.2 | 1.6 | -0.3 | 1.6 | 2.8 |
| 8/3/2020 1:06 PM  | -0.2 | 1.5 | -0.2 | 1.7 | 2.8 |
| 8/3/2020 1:12 PM  | -0.2 | 1.4 | -0.2 | 1.6 | 2.8 |
| 8/3/2020 1:18 PM  | -0.2 | 1.2 | -0.1 | 1.6 | 2.9 |
| 8/3/2020 1:24 PM  | -0.2 | 1.1 | 0.0  | 1.6 | 2.9 |
| 8/3/2020 1:30 PM  | -0.3 | 1.0 | -0.1 | 1.6 | 2.9 |
| 8/3/2020 1:36 PM  | -0.3 | 1.1 | -0.1 | 1.6 | 2.9 |
| 8/3/2020 1:42 PM  | -0.2 | 1.3 | -0.2 | 1.7 | 2.9 |
| 8/3/2020 1:48 PM  | -0.2 | 1.4 | -0.3 | 1.6 | 2.9 |
| 8/3/2020 1:54 PM  | -0.2 | 1.5 | -0.3 | 1.6 | 2.9 |
| 8/3/2020 2:00 PM  | -0.2 | 1.6 | -0.4 | 1.5 | 2.8 |
| 8/3/2020 2:06 PM  | -0.2 | 1.7 | -0.4 | 1.5 | 2.9 |
| 8/3/2020 2:12 PM  | -0.2 | 1.7 | -0.4 | 1.5 | 2.9 |
| 8/3/2020 2:18 PM  | -0.2 | 1.7 | -0.4 | 1.4 | 2.9 |
| 8/3/2020 2:24 PM  | -0.2 | 1.6 | -0.3 | 1.3 | 2.9 |
| 8/3/2020 2:30 PM  | -0.2 | 1.5 | -0.3 | 1.4 | 3.0 |
| 8/3/2020 2:36 PM  | -0.2 | 1.4 | -0.3 | 1.3 | 3.0 |
| 8/3/2020 2:42 PM  | -0.2 | 1.5 | -0.3 | 1.3 | 3.0 |
| 8/3/2020 2:48 PM  | -0.2 | 1.5 | -0.4 | 1.4 | 3.0 |
| 8/3/2020 2:54 PM  | -0.2 | 1.6 | -0.4 | 1.4 | 2.9 |
| 8/3/2020 3:00 PM  | -0.2 | 1.8 | -0.5 | 1.4 | 2.9 |
| 8/3/2020 3:06 PM  | -0.2 | 2.0 | -0.5 | 1.4 | 2.9 |
| 8/3/2020 3:12 PM  | -0.2 | 2.2 | -0.5 | 1.5 | 2.8 |
| 8/3/2020 3:18 PM  | -0.2 | 2.4 | -0.5 | 1.5 | 2.9 |
| 8/3/2020 3:24 PM  | -0.2 | 2.5 | -0.5 | 1.5 | 2.9 |
| 8/3/2020 3:30 PM  | -0.2 | 2.5 | -0.5 | 1.5 | 2.8 |
| 8/3/2020 3:36 PM  | -0.2 | 2.5 | -0.5 | 1.5 | 2.8 |
| 8/3/2020 3:42 PM  | -0.2 | 2.5 | -0.5 | 1.5 | 2.8 |
| 8/3/2020 3:48 PM  | -0.2 | 2.4 | -0.5 | 1.5 | 2.8 |
| 8/3/2020 3:54 PM  | -0.2 | 2.3 | -0.5 | 1.5 | 2.7 |
| 8/3/2020 4:00 PM  | -0.3 | 2.3 | -0.6 | 1.5 | 2.7 |
| 8/3/2020 4:06 PM  | -0.3 | 2.2 | -0.6 | 1.6 | 2.7 |
| 8/3/2020 4:12 PM  | -0.3 | 2.1 | -0.6 | 1.6 | 2.8 |
| 8/3/2020 4:18 PM  | -0.3 | 1.9 | -0.6 | 1.6 | 2.9 |
| 8/3/2020 4:24 PM  | -0.3 | 1.8 | -0.6 | 1.6 | 2.9 |
| 8/3/2020 4:30 PM  | -0.3 | 1.6 | -0.6 | 1.6 | 2.8 |
| 8/3/2020 4:36 PM  | -0.3 | 1.5 | -0.6 | 1.6 | 2.9 |
| 8/3/2020 4:42 PM  | -0.3 | 1.4 | -0.6 | 1.6 | 2.9 |
| 8/3/2020 4:48 PM  | -0.3 | 1.6 | -0.6 | 1.6 | 2.8 |

|                  |      |      |      |      |      |
|------------------|------|------|------|------|------|
| 8/3/2020 4:54 PM | -0.3 | 2.0  | -0.6 | 1.6  | 2.8  |
| 8/3/2020 5:00 PM | -0.3 | 2.3  | -0.6 | 1.7  | 2.9  |
| 8/3/2020 5:06 PM | -0.3 | 2.6  | -0.6 | 1.7  | 3.0  |
| 8/3/2020 5:12 PM | -0.3 | 2.8  | -0.6 | 1.6  | 3.0  |
| 8/3/2020 5:18 PM | -0.3 | 3.0  | -0.6 | 1.6  | 3.0  |
| 8/3/2020 5:24 PM | -0.3 | 3.1  | -0.6 | 1.6  | 3.0  |
| 8/3/2020 5:30 PM | -0.3 | 3.2  | -0.6 | 1.6  | 3.1  |
| 8/3/2020 5:36 PM | -0.3 | 3.3  | -0.6 | 1.6  | 3.1  |
| 8/3/2020 5:42 PM | -0.3 | 3.3  | -0.6 | 1.7  | 3.1  |
| 8/3/2020 5:48 PM | -0.3 | 3.4  | -0.6 | 1.7  | 3.1  |
| 8/3/2020 5:54 PM | -0.3 | 3.4  | -0.6 | 1.7  | 3.2  |
| 8/3/2020 6:00 PM | -0.3 | 3.4  | -0.6 | 1.6  | 3.1  |
| 8/3/2020 6:06 PM | -0.3 | 3.4  | -0.6 | 1.6  | 3.1  |
| 8/3/2020 6:12 PM | -0.3 | 3.4  | -0.6 | 1.7  | 3.1  |
| 8/3/2020 6:18 PM | -0.3 | 3.4  | -0.6 | 1.7  | 3.1  |
| 8/3/2020 6:24 PM | -0.3 | 3.4  | -0.6 | 1.7  | 3.1  |
| 8/3/2020 6:30 PM | -0.3 | 3.3  | -0.6 | 1.6  | 3.2  |
| 8/3/2020 6:36 PM | -0.3 | 3.3  | -0.6 | 1.7  | 3.2  |
| 8/3/2020 6:42 PM | -0.3 | 3.3  | -0.6 | 1.7  | 3.1  |
| 8/3/2020 6:48 PM | -0.3 | 3.3  | -0.6 | 1.8  | 3.0  |
| 8/3/2020 6:54 PM | -0.3 | 3.3  | -0.6 | 1.7  | 3.0  |
| 8/3/2020 7:00 PM | -0.3 | 3.3  | -0.6 | 1.7  | 3.0  |
| 8/3/2020 7:06 PM | -0.3 | 3.3  | -0.6 | 1.7  | 2.9  |
| 8/3/2020 7:12 PM | -0.3 | 3.2  | -0.6 | 1.7  | 2.9  |
| 8/3/2020 7:18 PM | -0.3 | 3.3  | -0.6 | 1.8  | 3.0  |
| 8/3/2020 7:24 PM | -0.3 | 3.3  | -0.6 | 1.7  | 3.1  |
| 8/3/2020 7:30 PM | -0.3 | 3.3  | -0.5 | 1.7  | 3.2  |
| 8/3/2020 7:36 PM | -0.3 | 3.3  | -0.5 | 1.8  | 3.3  |
| 8/3/2020 7:42 PM | -0.3 | 3.3  | -0.5 | 1.9  | 3.2  |
| 8/3/2020 7:48 PM | -0.3 | 3.3  | -0.5 | 1.8  | 3.1  |
| 8/3/2020 7:54 PM | -0.3 | 3.3  | -0.5 | 1.9  | 3.2  |
| 8/3/2020 8:00 PM | -0.3 | 3.3  | -0.5 | 1.9  | 3.2  |
| 8/3/2020 8:06 PM | -0.3 | 3.5  | -0.6 | 1.9  | 3.3  |
| 8/3/2020 8:12 PM | -0.3 | 3.9  | -0.6 | 7.9  | 8.1  |
| 8/3/2020 8:18 PM | -0.3 | 4.2  | -0.6 | 13.5 | 11.9 |
| 8/3/2020 8:24 PM | -0.2 | 4.3  | -0.4 | 11.4 | 9.7  |
| 8/3/2020 8:30 PM | -0.2 | 4.4  | -0.4 | 9.5  | 9.5  |
| 8/3/2020 8:36 PM | -0.3 | 4.9  | -0.5 | 8.3  | 9.3  |
| 8/3/2020 8:42 PM | -0.3 | 5.5  | -0.5 | 8.8  | 8.5  |
| 8/3/2020 8:48 PM | -0.4 | 5.9  | -0.5 | 8.6  | 8.6  |
| 8/3/2020 8:54 PM | -0.4 | 11.1 | -0.6 | 8.5  | 8.9  |
| 8/3/2020 9:00 PM | -0.4 | 24.8 | -0.6 | 8.9  | 9.6  |
| 8/3/2020 9:06 PM | -0.4 | 19.8 | -0.6 | 9.3  | 10.2 |
| 8/3/2020 9:12 PM | -0.5 | 10.7 | -0.6 | 9.4  | 10.4 |
| 8/3/2020 9:18 PM | -0.5 | 8.9  | -0.6 | 9.4  | 10.5 |
| 8/3/2020 9:24 PM | -0.5 | 8.0  | -0.6 | 9.5  | 10.3 |
| 8/3/2020 9:30 PM | -0.5 | 7.2  | -0.6 | 9.0  | 10.2 |
| 8/3/2020 9:36 PM | -0.5 | 7.0  | -0.6 | 8.8  | 9.8  |
| 8/3/2020 9:42 PM | -0.5 | 5.8  | -0.6 | 8.4  | 9.6  |
| 8/3/2020 9:48 PM | -0.5 | 4.8  | -0.5 | 8.3  | 9.8  |

|                   |      |      |      |     |     |
|-------------------|------|------|------|-----|-----|
| 8/3/2020 9:54 PM  | -0.5 | 4.1  | -0.5 | 8.4 | 9.6 |
| 8/3/2020 10:00 PM | -0.5 | 4.0  | -0.5 | 8.5 | 9.7 |
| 8/3/2020 10:06 PM | -0.5 | 4.0  | -0.4 | 8.4 | 9.6 |
| 8/3/2020 10:12 PM | -0.5 | 3.9  | -0.4 | 8.4 | 9.3 |
| 8/3/2020 10:18 PM | -0.5 | 3.9  | -0.4 | 8.6 | 9.3 |
| 8/3/2020 10:24 PM | -0.4 | 4.0  | -0.3 | 8.3 | 9.1 |
| 8/3/2020 10:30 PM | -0.4 | 4.1  | -0.3 | 8.3 | 9.0 |
| 8/3/2020 10:36 PM | -0.4 | 3.9  | -0.2 | 8.5 | 9.0 |
| 8/3/2020 10:42 PM | -0.4 | 3.5  | -0.1 | 8.7 | 8.7 |
| 8/3/2020 10:48 PM | -0.4 | 3.3  | -0.1 | 8.8 | 8.6 |
| 8/3/2020 10:54 PM | -0.4 | 3.1  | 0.0  | 8.9 | 8.7 |
| 8/3/2020 11:00 PM | -0.4 | 3.1  | 0.0  | 8.8 | 8.8 |
| 8/3/2020 11:06 PM | -0.5 | 3.0  | 0.0  | 8.9 | 8.8 |
| 8/3/2020 11:12 PM | -0.4 | 2.9  | 0.1  | 9.1 | 8.7 |
| 8/3/2020 11:18 PM | -0.4 | 2.8  | 0.1  | 9.0 | 8.7 |
| 8/3/2020 11:24 PM | -0.4 | 2.8  | 0.1  | 9.0 | 8.5 |
| 8/3/2020 11:30 PM | -0.4 | 2.7  | 0.1  | 9.1 | 8.5 |
| 8/3/2020 11:36 PM | -0.4 | 2.7  | 0.1  | 9.6 | 8.4 |
| 8/3/2020 11:42 PM | -0.4 | 2.5  | 0.1  | 9.7 | 8.2 |
| 8/3/2020 11:48 PM | -0.5 | 2.4  | 0.1  | 9.5 | 8.0 |
| 8/3/2020 11:54 PM | -0.5 | 2.4  | 0.1  | 9.8 | 7.8 |
| 8/4/2020 12:00 AM | -0.5 | 2.5  | 0.1  | 9.8 | 7.6 |
| 8/4/2020 12:06 AM | -0.5 | 2.5  | 0.1  | 9.7 | 7.3 |
| 8/4/2020 12:12 AM | -0.5 | 2.4  | 0.1  | 9.5 | 7.3 |
| 8/4/2020 12:18 AM | -0.5 | 1.5  | 0.1  | 7.0 | 7.6 |
| 8/4/2020 12:24 AM | -0.4 | -0.1 | 0.1  | 2.3 | 7.9 |
| 8/4/2020 12:30 AM | -0.4 | -0.7 | 0.1  | 0.9 | 8.1 |
| 8/4/2020 12:36 AM | -0.4 | -0.7 | 0.1  | 1.0 | 8.2 |
| 8/4/2020 12:42 AM | -0.4 | -0.8 | 0.1  | 1.1 | 8.3 |
| 8/4/2020 12:48 AM | -0.4 | -0.8 | 0.1  | 1.1 | 8.5 |
| 8/4/2020 12:54 AM | -0.4 | -0.8 | 0.1  | 1.1 | 8.5 |
| 8/4/2020 1:00 AM  | -0.4 | -0.8 | 0.1  | 1.2 | 8.4 |
| 8/4/2020 1:06 AM  | -0.4 | -0.8 | 0.1  | 1.2 | 6.5 |
| 8/4/2020 1:12 AM  | -0.4 | -0.8 | 0.1  | 1.2 | 3.2 |
| 8/4/2020 1:18 AM  | -0.4 | -0.8 | 0.1  | 1.2 | 2.5 |
| 8/4/2020 1:24 AM  | -0.4 | -0.8 | 0.1  | 1.2 | 2.7 |
| 8/4/2020 1:30 AM  | -0.4 | -0.8 | 0.1  | 1.2 | 2.7 |
| 8/4/2020 1:36 AM  | -0.4 | -0.8 | 0.0  | 1.2 | 2.8 |
| 8/4/2020 1:42 AM  | -0.4 | -0.8 | 0.0  | 1.2 | 2.9 |
| 8/4/2020 1:48 AM  | -0.4 | -0.8 | 0.0  | 0.9 | 2.6 |
| 8/4/2020 1:54 AM  | -0.4 | -0.8 | 0.0  | 0.7 | 2.5 |
| 8/4/2020 2:00 AM  | -0.4 | -0.8 | 0.0  | 0.7 | 2.5 |
| 8/4/2020 2:06 AM  | -0.4 | -0.7 | 0.0  | 0.7 | 2.5 |
| 8/4/2020 2:12 AM  | -0.4 | -0.8 | 0.0  | 0.7 | 2.6 |
| 8/4/2020 2:18 AM  | -0.4 | -0.8 | 0.0  | 0.7 | 2.4 |
| 8/4/2020 2:24 AM  | -0.4 | -0.7 | 0.0  | 0.8 | 2.4 |
| 8/4/2020 2:30 AM  | -0.4 | -0.7 | -0.1 | 0.8 | 2.4 |
| 8/4/2020 2:36 AM  | -0.4 | -0.8 | -0.1 | 0.8 | 2.4 |
| 8/4/2020 2:42 AM  | -0.4 | -0.7 | -0.1 | 0.8 | 2.4 |
| 8/4/2020 2:48 AM  | -0.4 | -0.7 | -0.1 | 0.8 | 2.4 |

|                  |      |      |      |      |     |
|------------------|------|------|------|------|-----|
| 8/4/2020 2:54 AM | -0.4 | -0.7 | -0.1 | 0.8  | 2.5 |
| 8/4/2020 3:00 AM | -0.4 | -0.7 | -0.1 | 0.8  | 2.6 |
| 8/4/2020 3:06 AM | -0.4 | -0.7 | -0.1 | 0.8  | 2.6 |
| 8/4/2020 3:12 AM | -0.4 | -0.7 | -0.1 | 0.8  | 2.6 |
| 8/4/2020 3:18 AM | -0.4 | -0.7 | -0.1 | 0.8  | 2.7 |
| 8/4/2020 3:24 AM | -0.4 | -0.6 | -0.1 | 0.9  | 2.6 |
| 8/4/2020 3:30 AM | -0.4 | -0.6 | -0.1 | 0.8  | 2.6 |
| 8/4/2020 3:36 AM | -0.4 | -0.6 | -0.1 | 0.9  | 2.6 |
| 8/4/2020 3:42 AM | -0.4 | -0.6 | -0.1 | 0.9  | 2.6 |
| 8/4/2020 3:48 AM | -0.4 | -0.7 | -0.1 | 0.8  | 2.6 |
| 8/4/2020 3:54 AM | -0.4 | -0.7 | 0.0  | 0.8  | 2.6 |
| 8/4/2020 4:00 AM | -0.4 | -0.7 | 0.0  | 0.8  | 2.6 |
| 8/4/2020 4:06 AM | -0.4 | -0.6 | 0.0  | 0.8  | 2.5 |
| 8/4/2020 4:12 AM | -0.4 | -0.6 | -0.1 | 0.2  | 2.8 |
| 8/4/2020 4:18 AM | -0.4 | -0.6 | -0.1 | -0.5 | 3.3 |
| 8/4/2020 4:24 AM | -0.4 | -0.6 | 0.0  | -0.5 | 3.4 |
| 8/4/2020 4:30 AM | -0.4 | -0.6 | 0.0  | -0.5 | 4.4 |
| 8/4/2020 4:36 AM | -0.4 | -0.6 | 0.1  | -0.5 | 5.3 |
| 8/4/2020 4:42 AM | -0.4 | -0.6 | 0.2  | -0.5 | 5.0 |
| 8/4/2020 4:48 AM | -0.4 | -0.5 | 0.2  | -0.5 | 5.5 |
| 8/4/2020 4:54 AM | -0.4 | -0.5 | 0.2  | -0.4 | 8.2 |
| 8/4/2020 5:00 AM | -0.4 | -0.6 | 0.2  | -0.4 | 9.4 |
| 8/4/2020 5:06 AM | -0.4 | -0.5 | 0.1  | -0.4 | 8.6 |
| 8/4/2020 5:12 AM | -0.4 | 12.8 | 0.1  | -0.4 | 8.1 |
| 8/4/2020 5:18 AM | -0.4 | 13.1 | 0.0  | -0.5 | 7.8 |
| 8/4/2020 5:24 AM | -0.4 | 4.1  | 0.0  | -0.5 | 7.3 |
| 8/4/2020 5:30 AM | -0.4 | 2.1  | -0.1 | -0.5 | 5.0 |
| 8/4/2020 5:36 AM | -0.4 | 1.4  | -0.1 | -0.4 | 3.0 |
| 8/4/2020 5:42 AM | -0.4 | 1.4  | -0.1 | -0.5 | 3.1 |
| 8/4/2020 5:48 AM | -0.4 | 1.3  | -0.2 | -0.5 | 3.3 |
| 8/4/2020 5:54 AM | -0.4 | 1.2  | -0.2 | -0.5 | 3.4 |
| 8/4/2020 6:00 AM | -0.4 | 1.1  | -0.2 | -0.5 | 3.4 |
| 8/4/2020 6:06 AM | -0.4 | 1.1  | -0.2 | -0.5 | 3.5 |
| 8/4/2020 6:12 AM | -0.4 | 1.0  | -0.2 | -0.5 | 3.6 |
| 8/4/2020 6:18 AM | -0.4 | 1.0  | -0.2 | -0.5 | 3.6 |
| 8/4/2020 6:24 AM | -0.4 | 1.0  | -0.3 | -0.5 | 3.4 |
| 8/4/2020 6:30 AM | -0.4 | 1.0  | -0.3 | -0.5 | 2.9 |
| 8/4/2020 6:36 AM | -0.4 | 1.0  | -0.3 | -0.5 | 2.8 |
| 8/4/2020 6:42 AM | -0.4 | 1.0  | -0.3 | -0.5 | 2.9 |
| 8/4/2020 6:48 AM | -0.4 | 1.0  | -0.4 | -0.5 | 2.9 |
| 8/4/2020 6:54 AM | -0.4 | 1.0  | -0.4 | -0.5 | 2.8 |
| 8/4/2020 7:00 AM | -0.4 | 1.0  | -0.4 | -0.5 | 2.8 |
| 8/4/2020 7:06 AM | -0.4 | 1.0  | -0.4 | -0.5 | 2.8 |
| 8/4/2020 7:12 AM | -0.4 | 1.0  | -0.5 | -0.5 | 2.6 |
| 8/4/2020 7:18 AM | -0.4 | 1.0  | -0.5 | -0.5 | 2.6 |
| 8/4/2020 7:24 AM | -0.4 | 1.0  | -0.5 | -0.5 | 2.7 |
| 8/4/2020 7:30 AM | -0.4 | 1.0  | -0.5 | -0.5 | 2.7 |
| 8/4/2020 7:36 AM | -0.4 | 1.0  | -0.5 | -0.5 | 2.7 |
| 8/4/2020 7:42 AM | -0.4 | 0.9  | -0.5 | -0.5 | 2.7 |
| 8/4/2020 7:48 AM | -0.4 | 1.0  | -0.5 | -0.5 | 2.8 |

|                   |        |     |      |      |      |
|-------------------|--------|-----|------|------|------|
| 8/4/2020 7:54 AM  | -0.3   | 1.0 | -0.5 | -0.5 | 2.8  |
| 8/4/2020 8:00 AM  | -0.3   | 1.0 | -0.5 | -0.5 | 2.9  |
| 8/4/2020 8:06 AM  | -0.3   | 0.9 | -0.5 | -0.5 | 2.9  |
| 8/4/2020 8:12 AM  | -0.3   | 0.9 | -0.5 | -0.5 | 2.9  |
| 8/4/2020 8:18 AM  | -0.3   | 0.9 | -0.5 | -0.5 | 2.9  |
| 8/4/2020 8:24 AM  | -0.3   | 0.9 | -0.5 | -0.5 | 2.9  |
| 8/4/2020 8:30 AM  | -0.3   | 0.9 | -0.5 | -0.5 | 2.9  |
| 8/4/2020 8:36 AM  | -0.3   | 0.9 | -0.5 | -0.5 | 3.0  |
| 8/4/2020 8:42 AM  | -0.3   | 1.0 | -0.5 | -0.5 | 3.1  |
| 8/4/2020 8:48 AM  | -0.3   | 1.2 | -0.5 | -0.5 | 3.2  |
| 8/4/2020 8:54 AM  | -0.3   | 1.3 | -0.5 | -0.5 | 3.2  |
| 8/4/2020 9:00 AM  | -0.3   | 1.4 | -0.5 | -0.5 | 3.2  |
| 8/4/2020 9:06 AM  | -0.3   | 1.6 | -0.5 | -0.5 | 3.3  |
| 8/4/2020 9:12 AM  | -0.3   | 1.3 | -0.5 | -0.5 | 3.2  |
| 8/4/2020 9:18 AM  | -0.3   | 1.1 | -0.5 | -0.5 | 2.9  |
| 8/4/2020 9:24 AM  | -0.3   | 1.0 | -0.5 | -0.5 | 2.7  |
| 8/4/2020 9:30 AM  | -0.3   | 0.9 | -0.5 | -0.5 | 2.7  |
| 8/4/2020 9:36 AM  | -0.3   | 1.0 | -0.4 | -0.5 | 2.8  |
| 8/4/2020 9:42 AM  | -0.3   | 1.1 | -0.4 | -0.5 | 3.0  |
| 8/4/2020 9:48 AM  | -0.3   | 1.3 | -0.4 | -0.5 | 3.1  |
| 8/4/2020 9:54 AM  | -0.3   | 1.2 | -0.3 | -0.5 | 3.0  |
| 8/4/2020 10:00 AM | -0.3   | 1.0 | -0.3 | -0.5 | 3.0  |
| 8/4/2020 10:06 AM | -0.3   | 0.9 | -0.3 | -0.5 | 3.0  |
| 8/4/2020 10:12 AM | -0.3   | 0.9 | -0.3 | -0.5 | 3.0  |
| 8/4/2020 10:18 AM | -0.3   | 0.9 | -0.3 | -0.5 | 3.1  |
| 8/4/2020 10:24 AM | -0.3   | 1.0 | -0.4 | -0.4 | 3.2  |
| 8/4/2020 10:30 AM | -0.2   | 1.1 | -0.4 | -0.4 | 3.2  |
| 8/4/2020 10:36 AM | -0.2   | 2.5 | -0.5 | -0.4 | 5.3  |
| 8/4/2020 10:42 AM | -0.2   | 4.2 | -0.5 | -0.3 | 9.6  |
| 8/4/2020 10:48 AM | -0.2   | 3.8 | -0.4 | 5.0  | 10.9 |
| 8/4/2020 10:54 AM | -0.2   | 3.4 | -0.4 | 12.2 | 10.6 |
| 8/4/2020 11:00 AM | -0.2   | 3.2 | -0.4 | 8.7  | 10.1 |
| 8/4/2020 11:06 AM | -0.2   | 3.1 | -0.4 | 9.7  | 9.8  |
| 8/4/2020 11:12 AM | -0.2   | 3.2 | -0.5 | 12.3 | 9.9  |
| 8/4/2020 11:18 AM | -0.2   | 3.2 | -0.5 | 9.0  | 10.1 |
| 8/4/2020 11:24 AM | -0.2   | 3.0 | -0.4 | 13.0 | 10.3 |
| 8/4/2020 11:30 AM | -0.2   | 2.9 | -0.4 | 15.3 | 10.5 |
| 8/4/2020 11:36 AM | -0.2   | 3.0 | -0.4 | 12.7 | 10.4 |
| 8/4/2020 11:42 AM | -0.2   | 3.2 | -0.5 | 10.7 | 10.2 |
| 8/4/2020 11:48 AM | -0.2   | 3.2 | -0.5 | 9.9  | 10.1 |
| 8/4/2020 11:54 AM | -0.3   | 3.1 | -0.5 | 9.8  | 9.9  |
| 8/4/2020 12:00 PM | -0.4   | 2.8 | -0.6 | 9.8  | 9.9  |
| 8/4/2020 12:06 PM | Calib  | 2.1 | -0.9 | 9.6  | 9.6  |
| 8/4/2020 12:12 PM | OutCal | 2.1 | -0.9 | 9.5  | 9.4  |
| 8/4/2020 12:18 PM | OutCal | 2.1 | -0.9 | 9.5  | 9.4  |
| 8/4/2020 12:24 PM | OutCal | 2.1 | -0.9 | 9.4  | 9.3  |
| 8/4/2020 12:30 PM | OutCal | 2.1 | -0.9 | 9.4  | 9.1  |
| 8/4/2020 12:36 PM | OutCal | 2.2 | -0.9 | 9.6  | 8.8  |
| 8/4/2020 12:42 PM | OutCal | 2.3 | -0.9 | 10.6 | 8.8  |
| 8/4/2020 12:48 PM | OutCal | 2.3 | -0.9 | 10.8 | 9.2  |

|                   |        |     |      |     |      |
|-------------------|--------|-----|------|-----|------|
| 8/4/2020 12:54 PM | OutCal | 2.2 | -1.0 | 9.8 | 9.4  |
| 8/4/2020 1:00 PM  | OutCal | 2.2 | -1.0 | 9.1 | 8.9  |
| 8/4/2020 1:06 PM  | OutCal | 2.2 | -1.0 | 9.0 | 8.6  |
| 8/4/2020 1:12 PM  | OutCal | 2.1 | -1.0 | 9.1 | 8.5  |
| 8/4/2020 1:18 PM  | OutCal | 2.0 | -1.0 | 8.9 | 8.2  |
| 8/4/2020 1:24 PM  | OutCal | 2.1 | -1.0 | 8.9 | 8.0  |
| 8/4/2020 1:30 PM  | OutCal | 2.1 | -1.0 | 9.1 | 8.0  |
| 8/4/2020 1:36 PM  | OutCal | 2.1 | -1.1 | 9.2 | 8.1  |
| 8/4/2020 1:42 PM  | OutCal | 2.0 | -1.1 | 9.0 | 8.2  |
| 8/4/2020 1:48 PM  | OutCal | 2.1 | -1.1 | 8.9 | 8.1  |
| 8/4/2020 1:54 PM  | OutCal | 2.1 | -1.1 | 9.0 | 8.0  |
| 8/4/2020 2:00 PM  | OutCal | 2.0 | -1.1 | 9.3 | 8.1  |
| 8/4/2020 2:06 PM  | OutCal | 2.0 | -1.1 | 9.4 | 8.0  |
| 8/4/2020 2:12 PM  | OutCal | 2.1 | -1.1 | 9.4 | 7.8  |
| 8/4/2020 2:18 PM  | OutCal | 2.1 | -1.1 | 9.4 | 8.1  |
| 8/4/2020 2:24 PM  | OutCal | 2.1 | -1.1 | 9.6 | 8.3  |
| 8/4/2020 2:30 PM  | OutCal | 2.1 | -1.1 | 9.5 | 8.3  |
| 8/4/2020 2:36 PM  | OutCal | 2.2 | -1.2 | 9.6 | 8.3  |
| 8/4/2020 2:42 PM  | OutCal | 2.2 | -1.2 | 9.6 | 8.6  |
| 8/4/2020 2:48 PM  | OutCal | 2.3 | -1.1 | 9.9 | 8.6  |
| 8/4/2020 2:54 PM  | OutCal | 2.3 | -1.1 | 9.9 | 8.1  |
| 8/4/2020 3:00 PM  | OutCal | 2.3 | -1.1 | 9.4 | 7.8  |
| 8/4/2020 3:06 PM  | OutCal | 2.2 | -1.1 | 9.2 | 7.9  |
| 8/4/2020 3:12 PM  | OutCal | 2.1 | -1.0 | 9.2 | 7.9  |
| 8/4/2020 3:18 PM  | OutCal | 1.9 | -1.1 | 9.4 | 8.1  |
| 8/4/2020 3:24 PM  | OutCal | 1.8 | -1.1 | 9.2 | 8.7  |
| 8/4/2020 3:30 PM  | OutCal | 1.9 | -1.0 | 8.9 | 8.8  |
| 8/4/2020 3:36 PM  | OutCal | 1.9 | -1.0 | 8.4 | 8.8  |
| 8/4/2020 3:42 PM  | OutCal | 1.9 | -1.0 | 7.6 | 8.9  |
| 8/4/2020 3:48 PM  | OutCal | 1.8 | -1.0 | 7.2 | 8.9  |
| 8/4/2020 3:54 PM  | OutCal | 1.7 | -1.0 | 7.3 | 9.0  |
| 8/4/2020 4:00 PM  | OutCal | 1.7 | -1.0 | 7.4 | 9.1  |
| 8/4/2020 4:06 PM  | OutCal | 1.7 | -1.1 | 7.2 | 9.3  |
| 8/4/2020 4:12 PM  | OutCal | 1.6 | -1.1 | 7.4 | 9.1  |
| 8/4/2020 4:18 PM  | OutCal | 1.6 | -1.0 | 7.6 | 9.1  |
| 8/4/2020 4:24 PM  | OutCal | 1.6 | -1.0 | 7.4 | 9.2  |
| 8/4/2020 4:30 PM  | OutCal | 1.5 | -1.0 | 7.0 | 9.2  |
| 8/4/2020 4:36 PM  | OutCal | 1.5 | -1.0 | 7.0 | 9.0  |
| 8/4/2020 4:42 PM  | OutCal | 1.5 | -1.0 | 7.3 | 8.9  |
| 8/4/2020 4:48 PM  | OutCal | 1.6 | -1.0 | 7.2 | 8.6  |
| 8/4/2020 4:54 PM  | OutCal | 1.6 | -1.0 | 7.3 | 8.4  |
| 8/4/2020 5:00 PM  | OutCal | 1.6 | -1.0 | 7.1 | 7.9  |
| 8/4/2020 5:06 PM  | OutCal | 1.6 | -1.0 | 7.3 | 7.6  |
| 8/4/2020 5:12 PM  | OutCal | 1.6 | -1.0 | 5.4 | 4.7  |
| 8/4/2020 5:18 PM  | OutCal | 1.7 | -1.0 | 3.7 | 2.5  |
| 8/4/2020 5:24 PM  | OutCal | 1.7 | -1.0 | 4.1 | 2.6  |
| 8/4/2020 5:30 PM  | OutCal | 1.7 | -1.0 | 4.2 | 2.3  |
| 8/4/2020 5:36 PM  | OutCal | 1.8 | -1.0 | 2.4 | 0.8  |
| 8/4/2020 5:42 PM  | OutCal | 1.9 | -0.9 | 1.2 | -0.2 |
| 8/4/2020 5:48 PM  | OutCal | 1.7 | -0.9 | 1.4 | -0.3 |

|                   |        |      |      |     |      |
|-------------------|--------|------|------|-----|------|
| 8/4/2020 5:54 PM  | OutCal | 1.7  | -0.9 | 1.3 | -0.3 |
| 8/4/2020 6:00 PM  | OutCal | 0.8  | -0.9 | 1.1 | -0.3 |
| 8/4/2020 6:06 PM  | OutCal | 0.3  | -0.9 | 1.0 | -0.3 |
| 8/4/2020 6:12 PM  | OutCal | 0.5  | -0.9 | 1.1 | -0.3 |
| 8/4/2020 6:18 PM  | OutCal | 0.5  | -0.9 | 1.1 | -0.3 |
| 8/4/2020 6:24 PM  | OutCal | 0.4  | -0.9 | 1.2 | -0.3 |
| 8/4/2020 6:30 PM  | OutCal | 0.5  | -0.9 | 1.2 | -0.3 |
| 8/4/2020 6:36 PM  | OutCal | 0.5  | -0.9 | 1.2 | -0.3 |
| 8/4/2020 6:42 PM  | OutCal | 0.4  | -0.8 | 1.2 | -0.3 |
| 8/4/2020 6:48 PM  | OutCal | 0.3  | -0.9 | 1.2 | -0.3 |
| 8/4/2020 6:54 PM  | OutCal | 0.2  | -0.9 | 1.3 | -0.3 |
| 8/4/2020 7:00 PM  | OutCal | 0.1  | -0.9 | 1.3 | -0.3 |
| 8/4/2020 7:06 PM  | OutCal | 0.1  | -0.9 | 1.3 | -0.3 |
| 8/4/2020 7:12 PM  | OutCal | -0.1 | -0.9 | 1.3 | -0.2 |
| 8/4/2020 7:18 PM  | OutCal | -0.2 | -0.9 | 1.3 | -0.3 |
| 8/4/2020 7:24 PM  | OutCal | -0.2 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 7:30 PM  | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 7:36 PM  | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 7:42 PM  | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 7:48 PM  | OutCal | -0.3 | -0.9 | 1.3 | -0.3 |
| 8/4/2020 7:54 PM  | OutCal | -0.3 | -0.9 | 1.3 | -0.3 |
| 8/4/2020 8:00 PM  | OutCal | -0.3 | -0.9 | 1.3 | -0.3 |
| 8/4/2020 8:06 PM  | OutCal | -0.3 | -0.9 | 1.3 | -0.3 |
| 8/4/2020 8:12 PM  | OutCal | -0.3 | -0.9 | 1.3 | -0.3 |
| 8/4/2020 8:18 PM  | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 8:24 PM  | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 8:30 PM  | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 8:36 PM  | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 8:42 PM  | OutCal | -0.3 | -0.9 | 1.1 | -0.3 |
| 8/4/2020 8:48 PM  | OutCal | -0.2 | -0.9 | 1.1 | -0.3 |
| 8/4/2020 8:54 PM  | OutCal | -0.2 | -0.9 | 1.1 | -0.3 |
| 8/4/2020 9:00 PM  | OutCal | -0.3 | -0.9 | 1.3 | -0.3 |
| 8/4/2020 9:06 PM  | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 9:12 PM  | OutCal | -0.2 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 9:18 PM  | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 9:24 PM  | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 9:30 PM  | OutCal | -0.2 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 9:36 PM  | OutCal | -0.2 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 9:42 PM  | OutCal | -0.3 | -0.9 | 1.1 | -0.3 |
| 8/4/2020 9:48 PM  | OutCal | -0.2 | -0.9 | 1.1 | -0.3 |
| 8/4/2020 9:54 PM  | OutCal | -0.2 | -0.9 | 1.1 | -0.3 |
| 8/4/2020 10:00 PM | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 10:06 PM | OutCal | -0.3 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 10:12 PM | OutCal | -0.2 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 10:18 PM | OutCal | -0.2 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 10:24 PM | OutCal | -0.2 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 10:30 PM | OutCal | -0.2 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 10:36 PM | OutCal | -0.1 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 10:42 PM | OutCal | -0.1 | -0.9 | 1.2 | -0.3 |
| 8/4/2020 10:48 PM | OutCal | -0.1 | -0.9 | 1.2 | -0.3 |



|                   |        |      |      |      |      |
|-------------------|--------|------|------|------|------|
| 8/4/2020 10:54 PM | OutCal | -0.2 | -0.9 | 1.1  | -0.3 |
| 8/4/2020 11:00 PM | OutCal | -0.3 | -0.9 | 1.1  | -0.3 |
| 8/4/2020 11:06 PM | OutCal | -0.3 | -0.9 | 1.1  | -0.3 |
| 8/4/2020 11:12 PM | OutCal | -0.2 | -0.9 | 1.1  | -0.3 |
| 8/4/2020 11:18 PM | OutCal | -0.2 | -0.9 | 1.0  | -0.3 |
| 8/4/2020 11:24 PM | OutCal | -0.2 | -0.9 | 1.1  | -0.3 |
| 8/4/2020 11:30 PM | OutCal | -0.3 | -0.9 | 1.1  | -0.3 |
| 8/4/2020 11:36 PM | OutCal | -0.3 | -0.9 | 1.1  | -0.3 |
| 8/4/2020 11:42 PM | OutCal | -0.3 | -0.9 | 1.0  | -0.3 |
| 8/4/2020 11:48 PM | OutCal | 0.1  | -0.9 | 0.7  | -0.3 |
| 8/4/2020 11:54 PM | OutCal | 1.1  | -0.9 | -0.4 | -0.3 |
| 8/5/2020 12:00 AM | OutCal | 1.1  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 12:06 AM | OutCal | 0.7  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 12:12 AM | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 12:18 AM | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 12:24 AM | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 12:30 AM | OutCal | 0.7  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 12:36 AM | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 12:42 AM | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 12:48 AM | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 12:54 AM | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 1:00 AM  | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 1:06 AM  | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 1:12 AM  | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 1:18 AM  | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 1:24 AM  | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 1:30 AM  | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 1:36 AM  | OutCal | 0.5  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 1:42 AM  | OutCal | 0.5  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 1:48 AM  | OutCal | 0.6  | -0.9 | -1.2 | -0.2 |
| 8/5/2020 1:54 AM  | OutCal | 0.6  | -0.9 | -1.2 | -0.2 |
| 8/5/2020 2:00 AM  | OutCal | 0.6  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 2:06 AM  | OutCal | 0.6  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 2:12 AM  | OutCal | 0.6  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 2:18 AM  | OutCal | 0.7  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 2:24 AM  | OutCal | 0.7  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 2:30 AM  | OutCal | 0.7  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 2:36 AM  | OutCal | 0.8  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 2:42 AM  | OutCal | 0.9  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 2:48 AM  | OutCal | 0.9  | -0.9 | -1.2 | -0.2 |
| 8/5/2020 2:54 AM  | OutCal | 0.9  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 3:00 AM  | OutCal | 0.8  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 3:06 AM  | OutCal | 0.8  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 3:12 AM  | OutCal | 0.8  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 3:18 AM  | OutCal | 0.8  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 3:24 AM  | OutCal | 0.7  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 3:30 AM  | OutCal | 0.6  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 3:36 AM  | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 3:42 AM  | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 3:48 AM  | OutCal | 0.7  | -0.8 | -1.2 | -0.3 |



|                  |        |      |      |      |      |
|------------------|--------|------|------|------|------|
| 8/5/2020 3:54 AM | OutCal | 0.7  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 4:00 AM | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 4:06 AM | OutCal | 0.6  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 4:12 AM | OutCal | 0.3  | -0.8 | -1.2 | -0.2 |
| 8/5/2020 4:18 AM | OutCal | -0.1 | -0.8 | -1.2 | -0.2 |
| 8/5/2020 4:24 AM | OutCal | -0.1 | -0.8 | -1.2 | -0.3 |
| 8/5/2020 4:30 AM | OutCal | -0.1 | -0.8 | -1.2 | -0.3 |
| 8/5/2020 4:36 AM | OutCal | 0.0  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 4:42 AM | OutCal | 0.0  | -0.8 | -1.2 | -0.2 |
| 8/5/2020 4:48 AM | OutCal | 0.0  | -0.8 | -1.2 | -0.2 |
| 8/5/2020 4:54 AM | OutCal | 0.0  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 5:00 AM | OutCal | 0.1  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 5:06 AM | OutCal | 0.1  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 5:12 AM | OutCal | 0.1  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 5:18 AM | OutCal | 0.1  | -0.8 | -1.2 | -0.3 |
| 8/5/2020 5:24 AM | OutCal | 0.0  | -0.9 | -1.2 | -0.3 |
| 8/5/2020 5:30 AM | OutCal | 0.0  | -1.0 | -1.2 | -0.3 |
| 8/5/2020 5:36 AM | OutCal | 0.0  | -1.1 | -1.2 | -0.3 |
| 8/5/2020 5:42 AM | OutCal | -0.1 | -1.2 | -1.2 | -0.3 |
| 8/5/2020 5:48 AM | OutCal | -0.1 | -1.3 | -1.2 | -0.3 |
| 8/5/2020 5:54 AM | OutCal | 0.0  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 6:00 AM | OutCal | 0.0  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 6:06 AM | OutCal | 0.0  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 6:12 AM | OutCal | 0.0  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 6:18 AM | OutCal | 0.0  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 6:24 AM | OutCal | 0.1  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 6:30 AM | OutCal | 0.0  | -1.4 | -1.2 | -0.2 |
| 8/5/2020 6:36 AM | OutCal | 1.2  | -1.4 | -1.2 | -0.2 |
| 8/5/2020 6:42 AM | OutCal | 1.9  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 6:48 AM | OutCal | 1.3  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 6:54 AM | OutCal | 1.2  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 7:00 AM | OutCal | 1.1  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 7:06 AM | OutCal | 1.1  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 7:12 AM | OutCal | 1.1  | -1.4 | -1.2 | -0.3 |
| 8/5/2020 7:18 AM | OutCal | 1.1  | -1.4 | -1.3 | 5.0  |
| 8/5/2020 7:24 AM | OutCal | 0.4  | -1.4 | -1.2 | 11.8 |
| 8/5/2020 7:30 AM | OutCal | 0.1  | -1.4 | -1.2 | 9.6  |
| 8/5/2020 7:36 AM | OutCal | 0.2  | -1.3 | -1.2 | 7.9  |
| 8/5/2020 7:42 AM | OutCal | 0.2  | -1.3 | -1.3 | 7.7  |
| 8/5/2020 7:48 AM | OutCal | 0.1  | -1.3 | -1.3 | 7.2  |
| 8/5/2020 7:54 AM | OutCal | 0.1  | -1.3 | -1.3 | 5.9  |
| 8/5/2020 8:00 AM | OutCal | 0.0  | -1.3 | -1.2 | 4.7  |
| 8/5/2020 8:06 AM | OutCal | 0.0  | -1.2 | -1.2 | 4.0  |
| 8/5/2020 8:12 AM | OutCal | 0.0  | -1.2 | -1.2 | 3.5  |
| 8/5/2020 8:18 AM | OutCal | -0.1 | -1.1 | -1.3 | 3.1  |
| 8/5/2020 8:24 AM | OutCal | -0.1 | -1.0 | -1.2 | 2.8  |
| 8/5/2020 8:30 AM | OutCal | -0.1 | -0.9 | -1.2 | 2.8  |
| 8/5/2020 8:36 AM | OutCal | -0.1 | -0.6 | -1.2 | 2.9  |
| 8/5/2020 8:42 AM | OutCal | -0.1 | -0.4 | -1.2 | 2.9  |
| 8/5/2020 8:48 AM | OutCal | 0.0  | -0.2 | -1.2 | 2.9  |

|                   |        |      |      |      |     |
|-------------------|--------|------|------|------|-----|
| 8/5/2020 8:54 AM  | OutCal | -0.1 | -0.2 | -1.2 | 2.7 |
| 8/5/2020 9:00 AM  | OutCal | -0.1 | -0.2 | -1.2 | 2.7 |
| 8/5/2020 9:06 AM  | OutCal | -0.2 | -0.2 | -1.2 | 2.7 |
| 8/5/2020 9:12 AM  | OutCal | -0.2 | -0.2 | -1.2 | 2.6 |
| 8/5/2020 9:18 AM  | OutCal | -0.2 | -0.2 | -1.2 | 2.6 |
| 8/5/2020 9:24 AM  | OutCal | -0.2 | -0.2 | -1.2 | 2.5 |
| 8/5/2020 9:30 AM  | OutCal | -0.3 | -0.2 | -1.2 | 2.7 |
| 8/5/2020 9:36 AM  | OutCal | -0.3 | -0.2 | -1.2 | 2.7 |
| 8/5/2020 9:42 AM  | OutCal | -0.2 | -0.2 | -1.2 | 2.7 |
| 8/5/2020 9:48 AM  | OutCal | -0.2 | -0.2 | -1.2 | 2.6 |
| 8/5/2020 9:54 AM  | OutCal | -0.3 | -0.2 | -1.2 | 2.6 |
| 8/5/2020 10:00 AM | OutCal | -0.3 | -0.3 | -1.2 | 2.5 |
| 8/5/2020 10:06 AM | OutCal | -0.4 | -0.3 | -1.2 | 2.5 |
| 8/5/2020 10:12 AM | OutCal | -0.4 | -0.3 | -1.2 | 2.4 |
| 8/5/2020 10:18 AM | OutCal | -0.3 | -0.3 | -1.2 | 2.5 |
| 8/5/2020 10:24 AM | OutCal | -0.4 | -0.3 | -1.2 | 2.5 |
| 8/5/2020 10:30 AM | OutCal | -0.4 | -0.3 | -1.2 | 2.5 |
| 8/5/2020 10:36 AM | OutCal | -0.4 | -0.3 | -1.2 | 2.5 |
| 8/5/2020 10:42 AM | OutCal | -0.4 | -0.2 | -1.1 | 2.6 |
| 8/5/2020 10:48 AM | OutCal | -0.4 | -0.2 | -1.2 | 2.6 |
| 8/5/2020 10:54 AM | OutCal | -0.3 | -0.2 | -1.2 | 2.6 |
| 8/5/2020 11:00 AM | OutCal | -0.3 | -0.3 | -1.2 | 2.4 |
| 8/5/2020 11:06 AM | OutCal | -0.3 | -0.4 | -1.2 | 2.5 |
| 8/5/2020 11:12 AM | OutCal | -0.2 | -0.5 | -1.1 | 2.5 |
| 8/5/2020 11:18 AM | OutCal | -0.2 | -0.5 | -1.1 | 2.5 |
| 8/5/2020 11:24 AM | OutCal | -0.2 | -0.5 | -1.1 | 2.6 |
| 8/5/2020 11:30 AM | OutCal | -0.2 | -0.5 | -1.1 | 2.6 |
| 8/5/2020 11:36 AM | OutCal | -0.2 | -0.5 | -1.1 | 2.7 |
| 8/5/2020 11:42 AM | OutCal | -0.3 | -0.4 | -1.1 | 2.7 |
| 8/5/2020 11:48 AM | OutCal | -0.3 | -0.4 | -1.1 | 2.7 |
| 8/5/2020 11:54 AM | OutCal | -0.3 | -0.4 | -1.1 | 2.7 |
| 8/5/2020 12:00 PM | Calib  | -0.1 | -0.3 | -1.0 | 2.8 |
| 8/5/2020 12:06 PM | Calib  | 0.6  | 0.0  | -0.4 | 3.1 |
| 8/5/2020 12:12 PM | OutCal | 0.6  | 0.0  | -0.4 | 3.1 |
| 8/5/2020 12:18 PM | OutCal | 0.6  | 0.0  | -0.4 | 3.1 |
| 8/5/2020 12:24 PM | OutCal | 0.6  | 0.1  | -0.4 | 3.0 |
| 8/5/2020 12:30 PM | OutCal | 0.7  | 0.1  | -0.4 | 3.0 |
| 8/5/2020 12:36 PM | OutCal | 0.6  | 0.1  | -0.4 | 3.0 |
| 8/5/2020 12:42 PM | OutCal | 0.6  | 0.0  | -0.4 | 3.1 |
| 8/5/2020 12:48 PM | OutCal | 0.6  | 0.0  | -0.4 | 3.1 |
| 8/5/2020 12:54 PM | Zero   | 0.7  | -0.1 | -0.4 | 3.1 |
| 8/5/2020 1:00 PM  | Calib  | 0.7  | 0.0  | -0.4 | 3.1 |
| 8/5/2020 1:06 PM  | 1.0    | 0.6  | 0.0  | -0.4 | 2.9 |
| 8/5/2020 1:12 PM  | 1.0    | 0.6  | 0.1  | -0.4 | 2.9 |
| 8/5/2020 1:18 PM  | 0.9    | 0.6  | 0.1  | -0.4 | 2.9 |
| 8/5/2020 1:24 PM  | 0.9    | 0.6  | 0.1  | -0.4 | 2.8 |
| 8/5/2020 1:30 PM  | 0.9    | 0.6  | 0.0  | -0.4 | 2.8 |
| 8/5/2020 1:36 PM  | 0.9    | 0.6  | -0.1 | -0.4 | 2.7 |
| 8/5/2020 1:42 PM  | 0.9    | 0.7  | -0.2 | -0.4 | 2.7 |
| 8/5/2020 1:48 PM  | 0.9    | 0.7  | -0.3 | -0.4 | 2.8 |

|                  |     |     |      |      |     |
|------------------|-----|-----|------|------|-----|
| 8/5/2020 1:54 PM | 0.9 | 0.7 | -0.3 | -0.4 | 2.8 |
| 8/5/2020 2:00 PM | 0.9 | 0.6 | -0.4 | -0.4 | 2.8 |
| 8/5/2020 2:06 PM | 0.9 | 0.7 | -0.4 | -0.4 | 2.8 |
| 8/5/2020 2:12 PM | 0.9 | 0.7 | -0.4 | -0.4 | 2.7 |
| 8/5/2020 2:18 PM | 0.9 | 0.6 | -0.4 | -0.4 | 2.7 |
| 8/5/2020 2:24 PM | 0.9 | 0.5 | -0.3 | -0.4 | 2.6 |
| 8/5/2020 2:30 PM | 0.9 | 0.5 | -0.3 | -0.4 | 2.5 |
| 8/5/2020 2:36 PM | 0.9 | 0.6 | -0.3 | -0.4 | 2.6 |
| 8/5/2020 2:42 PM | 0.9 | 0.6 | -0.3 | -0.4 | 2.7 |
| 8/5/2020 2:48 PM | 0.9 | 0.7 | -0.4 | -0.4 | 2.7 |
| 8/5/2020 2:54 PM | 0.9 | 0.7 | -0.4 | -0.4 | 2.7 |
| 8/5/2020 3:00 PM | 0.9 | 0.7 | -0.5 | -0.4 | 2.6 |
| 8/5/2020 3:06 PM | 0.9 | 0.7 | -0.5 | -0.4 | 2.7 |
| 8/5/2020 3:12 PM | 0.9 | 0.7 | -0.6 | -0.4 | 2.8 |
| 8/5/2020 3:18 PM | 0.9 | 0.7 | -0.6 | -0.4 | 2.8 |
| 8/5/2020 3:24 PM | 0.9 | 0.7 | -0.6 | -0.4 | 2.8 |
| 8/5/2020 3:30 PM | 0.9 | 0.6 | -0.6 | -0.4 | 2.7 |
| 8/5/2020 3:36 PM | 0.9 | 0.6 | -0.6 | -0.4 | 2.7 |
| 8/5/2020 3:42 PM | 0.9 | 0.6 | -0.6 | -0.4 | 2.7 |
| 8/5/2020 3:48 PM | 0.9 | 0.6 | -0.6 | -0.4 | 2.6 |
| 8/5/2020 3:54 PM | 0.9 | 0.6 | -0.6 | -0.4 | 2.6 |
| 8/5/2020 4:00 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.7 |
| 8/5/2020 4:06 PM | 0.9 | 0.6 | -0.6 | -0.4 | 2.9 |
| 8/5/2020 4:12 PM | 0.9 | 0.6 | -0.6 | -0.4 | 2.9 |
| 8/5/2020 4:18 PM | 0.9 | 0.7 | -0.6 | -0.4 | 2.9 |
| 8/5/2020 4:24 PM | 0.9 | 0.7 | -0.6 | -0.4 | 3.0 |
| 8/5/2020 4:30 PM | 0.9 | 0.7 | -0.6 | -0.3 | 3.0 |
| 8/5/2020 4:36 PM | 0.9 | 0.7 | -0.6 | -0.3 | 3.0 |
| 8/5/2020 4:42 PM | 0.9 | 0.7 | -0.6 | -0.3 | 2.9 |
| 8/5/2020 4:48 PM | 0.9 | 0.6 | -0.6 | -0.3 | 3.0 |
| 8/5/2020 4:54 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.9 |
| 8/5/2020 5:00 PM | 0.9 | 0.7 | -0.6 | -0.3 | 2.9 |
| 8/5/2020 5:06 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.9 |
| 8/5/2020 5:12 PM | 0.9 | 0.7 | -0.6 | -0.3 | 2.8 |
| 8/5/2020 5:18 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.8 |
| 8/5/2020 5:24 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.9 |
| 8/5/2020 5:30 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.9 |
| 8/5/2020 5:36 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.8 |
| 8/5/2020 5:42 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.8 |
| 8/5/2020 5:48 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.9 |
| 8/5/2020 5:54 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.9 |
| 8/5/2020 6:00 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.9 |
| 8/5/2020 6:06 PM | 0.9 | 0.6 | -0.6 | -0.3 | 2.9 |
| 8/5/2020 6:12 PM | 0.8 | 0.6 | -0.6 | -0.3 | 2.8 |
| 8/5/2020 6:18 PM | 0.8 | 0.6 | -0.6 | -0.3 | 2.8 |
| 8/5/2020 6:24 PM | 0.8 | 0.7 | -0.6 | -0.3 | 2.8 |
| 8/5/2020 6:30 PM | 0.8 | 0.6 | -0.6 | -0.3 | 2.7 |
| 8/5/2020 6:36 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.7 |
| 8/5/2020 6:42 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.7 |
| 8/5/2020 6:48 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.7 |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 8/5/2020 6:54 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.7 |
| 8/5/2020 7:00 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 7:06 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 7:12 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.7 |
| 8/5/2020 7:18 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.7 |
| 8/5/2020 7:24 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 7:30 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 7:36 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.7 |
| 8/5/2020 7:42 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.7 |
| 8/5/2020 7:48 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 7:54 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 8:00 PM  | 0.8 | 0.5 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 8:06 PM  | 0.8 | 0.5 | -0.6 | -0.3 | 2.6 |
| 8/5/2020 8:12 PM  | 0.8 | 0.5 | -0.6 | -0.3 | 2.7 |
| 8/5/2020 8:18 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.7 |
| 8/5/2020 8:24 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 8:30 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 8:36 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 8:42 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 8:48 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.5 |
| 8/5/2020 8:54 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.5 |
| 8/5/2020 9:00 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.5 |
| 8/5/2020 9:06 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.5 |
| 8/5/2020 9:12 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.5 |
| 8/5/2020 9:18 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.5 |
| 8/5/2020 9:24 PM  | 0.8 | 0.6 | -0.5 | -0.3 | 2.4 |
| 8/5/2020 9:30 PM  | 0.8 | 0.5 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 9:36 PM  | 0.8 | 0.5 | -0.5 | -0.3 | 2.6 |
| 8/5/2020 9:42 PM  | 0.8 | 0.5 | -0.5 | -0.3 | 2.5 |
| 8/5/2020 9:48 PM  | 0.8 | 0.5 | -0.5 | -0.3 | 2.5 |
| 8/5/2020 9:54 PM  | 0.8 | 0.5 | -0.5 | -0.3 | 2.5 |
| 8/5/2020 10:00 PM | 0.8 | 0.5 | -0.5 | -0.3 | 2.3 |
| 8/5/2020 10:06 PM | 0.8 | 0.5 | -0.5 | -0.3 | 2.2 |
| 8/5/2020 10:12 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.2 |
| 8/5/2020 10:18 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.2 |
| 8/5/2020 10:24 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.2 |
| 8/5/2020 10:30 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.2 |
| 8/5/2020 10:36 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.2 |
| 8/5/2020 10:42 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.3 |
| 8/5/2020 10:48 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.3 |
| 8/5/2020 10:54 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.2 |
| 8/5/2020 11:00 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.3 |
| 8/5/2020 11:06 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.3 |
| 8/5/2020 11:12 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.4 |
| 8/5/2020 11:18 PM | 0.8 | 0.5 | -0.5 | -0.3 | 2.3 |
| 8/5/2020 11:24 PM | 0.8 | 0.5 | -0.5 | -0.3 | 2.3 |
| 8/5/2020 11:30 PM | 0.8 | 0.5 | -0.5 | -0.3 | 2.2 |
| 8/5/2020 11:36 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.2 |
| 8/5/2020 11:42 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.3 |
| 8/5/2020 11:48 PM | 0.8 | 0.6 | -0.5 | -0.3 | 2.3 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 8/5/2020 11:54 PM | 0.8 | 0.6  | -0.5 | -0.3 | 2.3 |
| 8/6/2020 12:00 AM | 0.8 | 0.6  | -0.5 | -0.3 | 2.3 |
| 8/6/2020 12:06 AM | 0.8 | 0.6  | -0.5 | -0.3 | 2.3 |
| 8/6/2020 12:12 AM | 0.7 | 0.6  | -0.5 | -0.3 | 2.3 |
| 8/6/2020 12:18 AM | 0.7 | 0.5  | -0.5 | -0.3 | 2.3 |
| 8/6/2020 12:24 AM | 0.7 | 0.5  | -0.5 | -0.3 | 2.3 |
| 8/6/2020 12:30 AM | 0.7 | 0.5  | -0.5 | -0.3 | 2.3 |
| 8/6/2020 12:36 AM | 0.7 | 0.4  | -0.5 | -0.3 | 2.4 |
| 8/6/2020 12:42 AM | 0.7 | 0.0  | -0.5 | -0.3 | 3.2 |
| 8/6/2020 12:48 AM | 0.7 | 0.1  | -0.5 | -0.3 | 3.4 |
| 8/6/2020 12:54 AM | 0.7 | 0.0  | -0.5 | -0.3 | 3.2 |
| 8/6/2020 1:00 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.2 |
| 8/6/2020 1:06 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.2 |
| 8/6/2020 1:12 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 1:18 AM  | 0.7 | -0.5 | -0.5 | -0.3 | 3.2 |
| 8/6/2020 1:24 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.2 |
| 8/6/2020 1:30 AM  | 0.7 | -0.5 | -0.5 | -0.3 | 3.2 |
| 8/6/2020 1:36 AM  | 0.7 | -0.5 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 1:42 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 1:48 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.0 |
| 8/6/2020 1:54 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.0 |
| 8/6/2020 2:00 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.0 |
| 8/6/2020 2:06 AM  | 0.7 | -0.5 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 2:12 AM  | 0.7 | -0.5 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 2:18 AM  | 0.7 | -0.5 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 2:24 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 2:30 AM  | 0.7 | -0.5 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 2:36 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 2:42 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 2:48 AM  | 0.7 | -0.5 | -0.5 | -0.3 | 3.0 |
| 8/6/2020 2:54 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.0 |
| 8/6/2020 3:00 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.0 |
| 8/6/2020 3:06 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.0 |
| 8/6/2020 3:12 AM  | 0.7 | -0.4 | -0.5 | -0.3 | 3.0 |
| 8/6/2020 3:18 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 3:24 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 3:30 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 3:36 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 3:42 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.2 |
| 8/6/2020 3:48 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 3:54 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.0 |
| 8/6/2020 4:00 AM  | 0.7 | -0.3 | -0.5 | -0.2 | 3.0 |
| 8/6/2020 4:06 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.0 |
| 8/6/2020 4:12 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.0 |
| 8/6/2020 4:18 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.1 |
| 8/6/2020 4:24 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.2 |
| 8/6/2020 4:30 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.3 |
| 8/6/2020 4:36 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.4 |
| 8/6/2020 4:42 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.3 |
| 8/6/2020 4:48 AM  | 0.7 | -0.3 | -0.5 | -0.3 | 3.3 |

|                  |     |      |      |      |     |
|------------------|-----|------|------|------|-----|
| 8/6/2020 4:54 AM | 0.7 | -0.3 | -0.5 | -0.3 | 3.4 |
| 8/6/2020 5:00 AM | 0.7 | -0.3 | -0.5 | -0.3 | 3.6 |
| 8/6/2020 5:06 AM | 0.7 | -0.3 | -0.5 | -0.3 | 3.7 |
| 8/6/2020 5:12 AM | 0.7 | -0.3 | -0.6 | -0.3 | 3.6 |
| 8/6/2020 5:18 AM | 0.7 | -0.3 | -0.6 | -0.3 | 3.5 |
| 8/6/2020 5:24 AM | 0.7 | -0.3 | -0.6 | -0.3 | 3.4 |
| 8/6/2020 5:30 AM | 0.7 | -0.3 | -0.8 | -0.2 | 3.4 |
| 8/6/2020 5:36 AM | 0.7 | -0.3 | -0.8 | -0.2 | 3.4 |
| 8/6/2020 5:42 AM | 0.7 | -0.3 | -0.8 | -0.2 | 3.4 |
| 8/6/2020 5:48 AM | 0.7 | -0.3 | -0.8 | -0.2 | 3.4 |
| 8/6/2020 5:54 AM | 0.7 | -0.3 | -0.9 | -0.2 | 3.7 |
| 8/6/2020 6:00 AM | 0.7 | -0.2 | -1.0 | -0.2 | 3.8 |
| 8/6/2020 6:06 AM | 0.7 | -0.3 | -1.0 | -0.2 | 3.6 |
| 8/6/2020 6:12 AM | 0.7 | -0.3 | -1.0 | -0.3 | 3.5 |
| 8/6/2020 6:18 AM | 0.7 | -0.3 | -1.0 | -0.3 | 3.4 |
| 8/6/2020 6:24 AM | 0.7 | -0.3 | -1.0 | -0.3 | 3.4 |
| 8/6/2020 6:30 AM | 0.7 | -0.3 | -1.0 | -0.3 | 3.4 |
| 8/6/2020 6:36 AM | 0.7 | -0.2 | -1.0 | -0.3 | 3.3 |
| 8/6/2020 6:42 AM | 0.7 | -0.3 | -0.9 | -0.3 | 3.3 |
| 8/6/2020 6:48 AM | 0.7 | -0.3 | -0.9 | -0.3 | 4.8 |
| 8/6/2020 6:54 AM | 0.7 | -0.3 | -0.9 | -0.3 | 6.0 |
| 8/6/2020 7:00 AM | 0.7 | -0.3 | -0.8 | -0.3 | 5.9 |
| 8/6/2020 7:06 AM | 0.7 | -0.3 | -0.8 | -0.3 | 6.0 |
| 8/6/2020 7:12 AM | 0.7 | -0.3 | -0.8 | -0.3 | 6.0 |
| 8/6/2020 7:18 AM | 0.7 | -0.3 | -0.8 | -0.3 | 5.6 |
| 8/6/2020 7:24 AM | 0.7 | 3.3  | -0.8 | -0.3 | 5.3 |
| 8/6/2020 7:30 AM | 0.7 | 12.9 | -0.8 | -0.3 | 3.5 |
| 8/6/2020 7:36 AM | 0.7 | 10.2 | -0.8 | -0.3 | 2.0 |
| 8/6/2020 7:42 AM | 0.7 | 4.1  | -0.7 | -0.3 | 2.1 |
| 8/6/2020 7:48 AM | 0.7 | 3.2  | -0.7 | -0.3 | 2.2 |
| 8/6/2020 7:54 AM | 0.7 | 3.1  | -0.6 | -0.3 | 2.2 |
| 8/6/2020 8:00 AM | 0.7 | 3.1  | -0.6 | -0.3 | 2.2 |
| 8/6/2020 8:06 AM | 0.7 | 2.7  | -0.5 | -0.3 | 2.2 |
| 8/6/2020 8:12 AM | 0.7 | 1.7  | -0.5 | -0.3 | 2.2 |
| 8/6/2020 8:18 AM | 0.7 | 1.2  | -0.5 | -0.3 | 2.2 |
| 8/6/2020 8:24 AM | 0.7 | 1.0  | -0.4 | -0.3 | 2.2 |
| 8/6/2020 8:30 AM | 0.7 | 0.9  | -0.4 | -0.2 | 2.2 |
| 8/6/2020 8:36 AM | 0.7 | 0.9  | -0.4 | -0.2 | 2.2 |
| 8/6/2020 8:42 AM | 0.7 | 0.9  | -0.4 | -0.2 | 2.2 |
| 8/6/2020 8:48 AM | 0.7 | 0.9  | -0.3 | -0.2 | 2.2 |
| 8/6/2020 8:54 AM | 0.7 | 0.9  | -0.3 | -0.2 | 2.3 |
| 8/6/2020 9:00 AM | 0.7 | 0.9  | -0.3 | -0.2 | 2.4 |
| 8/6/2020 9:06 AM | 0.7 | 0.9  | -0.3 | -0.2 | 2.4 |
| 8/6/2020 9:12 AM | 0.7 | 0.9  | -0.3 | -0.3 | 2.4 |
| 8/6/2020 9:18 AM | 0.7 | 0.9  | -0.3 | -0.3 | 2.4 |
| 8/6/2020 9:24 AM | 0.7 | 0.8  | -0.3 | -0.3 | 2.4 |
| 8/6/2020 9:30 AM | 0.7 | 0.9  | -0.3 | -0.2 | 2.4 |
| 8/6/2020 9:36 AM | 0.7 | 1.1  | -0.2 | -0.2 | 2.3 |
| 8/6/2020 9:42 AM | 0.7 | 1.1  | -0.2 | -0.2 | 2.3 |
| 8/6/2020 9:48 AM | 0.7 | 1.0  | -0.2 | -0.2 | 2.3 |

|                   |          |          |          |          |          |
|-------------------|----------|----------|----------|----------|----------|
| 8/6/2020 9:54 AM  | 0.7      | 1.0      | -0.2     | -0.2     | 2.3      |
| 8/6/2020 10:00 AM | 0.7      | 0.9      | -0.2     | -0.2     | 2.3      |
| 8/6/2020 10:06 AM | 0.7      | 0.8      | -0.2     | -0.2     | 2.3      |
| 8/6/2020 10:12 AM | 0.7      | 0.8      | -0.1     | -0.2     | 2.3      |
| 8/6/2020 10:18 AM | 0.7      | 0.8      | 0.0      | -0.2     | 2.3      |
| 8/6/2020 10:24 AM | 0.7      | 0.9      | 0.0      | -0.2     | 2.3      |
| 8/6/2020 10:30 AM | 0.7      | 0.9      | -0.1     | -0.2     | 2.3      |
| 8/6/2020 10:36 AM | 0.7      | 0.8      | -0.1     | -0.2     | 2.3      |
| 8/6/2020 10:42 AM | 0.7      | 0.8      | -0.2     | -0.2     | 2.3      |
| 8/6/2020 10:48 AM | 0.7      | 0.8      | -0.3     | -0.2     | 2.3      |
| 8/6/2020 10:54 AM | 0.7      | 0.9      | -0.4     | -0.2     | 2.3      |
| 8/6/2020 11:00 AM | 0.7      | 0.8      | -0.4     | -0.2     | 2.3      |
| 8/6/2020 11:06 AM | 0.7      | 0.8      | -0.4     | -0.2     | 2.3      |
| 8/6/2020 11:12 AM | 0.8      | 0.8      | -0.5     | -0.2     | 2.3      |
| 8/6/2020 11:18 AM | 0.8      | 0.9      | -0.5     | -0.2     | 2.3      |
| 8/6/2020 11:24 AM | 0.8      | 0.9      | -0.5     | -0.2     | 2.4      |
| 8/6/2020 11:30 AM | 0.8      | 0.9      | -0.5     | -0.2     | 2.4      |
| 8/6/2020 11:36 AM | 0.8      | 0.9      | -0.5     | -0.2     | 2.3      |
| 8/6/2020 11:42 AM | 0.8      | 1.0      | -0.5     | -0.2     | 2.3      |
| 8/6/2020 11:48 AM | 0.8      | 1.0      | -0.5     | -0.3     | 2.4      |
| 8/6/2020 11:54 AM | 0.8      | 1.0      | -0.5     | -0.3     | 2.4      |
| 8/6/2020 12:00 PM | 0.8      | 0.9      | -0.5     | -0.3     | 2.4      |
| 8/6/2020 12:06 PM | 0.6      | 0.8      | -0.3     | -0.3     | 2.4      |
| 8/6/2020 12:12 PM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 8/6/2020 12:18 PM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 8/6/2020 12:24 PM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 8/6/2020 12:30 PM | 0.6      | 0.0      | -0.1     | 8.7      | 2.2      |
| 8/6/2020 12:36 PM | 0.6      | -0.2     | -0.2     | 5.7      | 2.3      |
| 8/6/2020 12:42 PM | 0.6      | -0.2     | -0.2     | 5.1      | 2.5      |
| 8/6/2020 12:48 PM | 0.6      | -0.4     | -0.2     | 6.4      | 2.5      |
| 8/6/2020 12:54 PM | 0.6      | -0.5     | -0.3     | 6.0      | 2.5      |
| 8/6/2020 1:00 PM  | 0.6      | -0.5     | -0.3     | 4.4      | 2.5      |
| 8/6/2020 1:06 PM  | 0.6      | -0.5     | -0.3     | 3.5      | 2.4      |
| 8/6/2020 1:12 PM  | 0.6      | -0.5     | -0.3     | 3.2      | 2.4      |
| 8/6/2020 1:18 PM  | 0.6      | -0.5     | -0.3     | 3.1      | 2.4      |
| 8/6/2020 1:24 PM  | 0.6      | -0.4     | -0.3     | 3.1      | 2.4      |
| 8/6/2020 1:30 PM  | 0.6      | -0.4     | -0.3     | 3.1      | 2.3      |
| 8/6/2020 1:36 PM  | 0.6      | -0.5     | -0.3     | 3.1      | 2.3      |
| 8/6/2020 1:42 PM  | 0.6      | -0.5     | -0.3     | 3.3      | 2.3      |
| 8/6/2020 1:48 PM  | 0.6      | -0.5     | -0.3     | 3.4      | 2.3      |
| 8/6/2020 1:54 PM  | 0.6      | -0.5     | -0.3     | 3.4      | 2.3      |
| 8/6/2020 2:00 PM  | 0.6      | -0.5     | -0.3     | 3.3      | 2.3      |
| 8/6/2020 2:06 PM  | 0.6      | -0.5     | -0.4     | 3.3      | 2.3      |
| 8/6/2020 2:12 PM  | 0.6      | -0.5     | -0.4     | 3.2      | 2.3      |
| 8/6/2020 2:18 PM  | 0.6      | -0.5     | -0.4     | 3.2      | 2.3      |
| 8/6/2020 2:24 PM  | 0.6      | -0.5     | -0.4     | 3.1      | 2.3      |
| 8/6/2020 2:30 PM  | 0.6      | -0.5     | -0.4     | 2.9      | 2.3      |
| 8/6/2020 2:36 PM  | 0.6      | -0.5     | -0.4     | 2.9      | 2.3      |
| 8/6/2020 2:42 PM  | 0.6      | -0.5     | -0.4     | 2.9      | 2.3      |
| 8/6/2020 2:48 PM  | 0.6      | -0.5     | -0.3     | 2.9      | 2.3      |



|                  |     |      |      |     |     |
|------------------|-----|------|------|-----|-----|
| 8/6/2020 2:54 PM | 0.6 | -0.5 | -0.3 | 3.0 | 2.3 |
| 8/6/2020 3:00 PM | 0.6 | -0.5 | -0.3 | 2.8 | 2.4 |
| 8/6/2020 3:06 PM | 0.6 | -0.5 | -0.3 | 2.7 | 2.4 |
| 8/6/2020 3:12 PM | 0.6 | -0.5 | -0.3 | 2.6 | 2.3 |
| 8/6/2020 3:18 PM | 0.6 | -0.5 | -0.3 | 2.6 | 2.3 |
| 8/6/2020 3:24 PM | 0.6 | -0.5 | -0.3 | 2.5 | 2.3 |
| 8/6/2020 3:30 PM | 0.6 | -0.5 | -0.2 | 2.4 | 2.3 |
| 8/6/2020 3:36 PM | 0.6 | -0.5 | -0.2 | 2.5 | 2.3 |
| 8/6/2020 3:42 PM | 0.6 | -0.5 | -0.2 | 2.4 | 2.2 |
| 8/6/2020 3:48 PM | 0.6 | -0.5 | -0.1 | 2.3 | 2.2 |
| 8/6/2020 3:54 PM | 0.6 | -0.5 | -0.1 | 2.3 | 2.2 |
| 8/6/2020 4:00 PM | 0.6 | -0.5 | -0.1 | 2.3 | 2.2 |
| 8/6/2020 4:06 PM | 0.6 | -0.5 | -0.2 | 2.4 | 2.3 |
| 8/6/2020 4:12 PM | 0.6 | -0.5 | -0.2 | 2.4 | 2.3 |
| 8/6/2020 4:18 PM | 0.6 | -0.4 | -0.3 | 2.4 | 2.2 |
| 8/6/2020 4:24 PM | 0.6 | -0.5 | -0.3 | 2.4 | 2.2 |
| 8/6/2020 4:30 PM | 0.6 | -0.5 | -0.3 | 2.3 | 2.2 |
| 8/6/2020 4:36 PM | 0.6 | -0.4 | -0.4 | 2.2 | 2.2 |
| 8/6/2020 4:42 PM | 0.5 | -0.4 | -0.4 | 2.2 | 2.2 |
| 8/6/2020 4:48 PM | 0.5 | -0.4 | -0.4 | 2.2 | 2.2 |
| 8/6/2020 4:54 PM | 0.5 | -0.4 | -0.4 | 2.2 | 2.2 |
| 8/6/2020 5:00 PM | 0.5 | -0.4 | -0.4 | 2.1 | 2.2 |
| 8/6/2020 5:06 PM | 0.5 | -0.5 | -0.4 | 2.0 | 2.2 |
| 8/6/2020 5:12 PM | 0.5 | -0.5 | -0.3 | 2.0 | 2.2 |
| 8/6/2020 5:18 PM | 0.5 | -0.4 | -0.3 | 2.0 | 2.2 |
| 8/6/2020 5:24 PM | 0.5 | -0.4 | -0.3 | 1.5 | 2.2 |
| 8/6/2020 5:30 PM | 0.5 | -0.4 | -0.3 | 1.2 | 2.3 |
| 8/6/2020 5:36 PM | 0.5 | -0.5 | -0.3 | 1.3 | 2.4 |
| 8/6/2020 5:42 PM | 0.5 | -0.4 | -0.3 | 1.5 | 2.4 |
| 8/6/2020 5:48 PM | 0.5 | -0.4 | -0.3 | 1.5 | 2.4 |
| 8/6/2020 5:54 PM | 0.5 | -0.4 | -0.3 | 1.5 | 2.3 |
| 8/6/2020 6:00 PM | 0.5 | -0.4 | -0.3 | 1.4 | 2.2 |
| 8/6/2020 6:06 PM | 0.5 | -0.4 | -0.3 | 1.4 | 2.2 |
| 8/6/2020 6:12 PM | 0.5 | -0.4 | -0.3 | 1.4 | 2.2 |
| 8/6/2020 6:18 PM | 0.5 | -0.4 | -0.3 | 1.4 | 2.2 |
| 8/6/2020 6:24 PM | 0.5 | -0.4 | -0.3 | 1.4 | 2.2 |
| 8/6/2020 6:30 PM | 0.5 | -0.4 | -0.3 | 1.4 | 2.3 |
| 8/6/2020 6:36 PM | 0.5 | -0.4 | -0.3 | 1.5 | 2.3 |
| 8/6/2020 6:42 PM | 0.5 | -0.4 | -0.3 | 1.5 | 2.3 |
| 8/6/2020 6:48 PM | 0.5 | -0.4 | -0.3 | 1.4 | 2.3 |
| 8/6/2020 6:54 PM | 0.5 | -0.4 | -0.3 | 1.4 | 2.3 |
| 8/6/2020 7:00 PM | 0.5 | -0.4 | -0.2 | 1.5 | 2.3 |
| 8/6/2020 7:06 PM | 0.5 | -0.4 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 7:12 PM | 0.5 | -0.4 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 7:18 PM | 0.5 | -0.4 | -0.2 | 1.3 | 2.3 |
| 8/6/2020 7:24 PM | 0.5 | -0.4 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 7:30 PM | 0.5 | -0.4 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 7:36 PM | 0.5 | -0.4 | -0.2 | 1.5 | 2.3 |
| 8/6/2020 7:42 PM | 0.5 | -0.4 | -0.2 | 1.4 | 2.4 |
| 8/6/2020 7:48 PM | 0.5 | -0.4 | -0.2 | 1.4 | 2.3 |



|                   |     |      |      |     |     |
|-------------------|-----|------|------|-----|-----|
| 8/6/2020 7:54 PM  | 0.5 | -0.4 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 8:00 PM  | 0.5 | -0.4 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 8:06 PM  | 0.5 | -0.4 | -0.2 | 1.3 | 2.3 |
| 8/6/2020 8:12 PM  | 0.5 | -0.4 | -0.2 | 1.3 | 2.3 |
| 8/6/2020 8:18 PM  | 0.5 | -0.4 | -0.2 | 1.3 | 2.3 |
| 8/6/2020 8:24 PM  | 0.5 | -0.4 | -0.2 | 1.3 | 2.3 |
| 8/6/2020 8:30 PM  | 0.5 | -0.4 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 8:36 PM  | 0.5 | -0.4 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 8:42 PM  | 0.5 | -0.4 | -0.2 | 1.4 | 2.4 |
| 8/6/2020 8:48 PM  | 0.5 | -0.4 | -0.2 | 1.5 | 2.4 |
| 8/6/2020 8:54 PM  | 0.5 | -0.4 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 9:00 PM  | 0.5 | -0.4 | -0.2 | 1.5 | 2.3 |
| 8/6/2020 9:06 PM  | 0.5 | -0.3 | -0.2 | 1.6 | 2.3 |
| 8/6/2020 9:12 PM  | 0.5 | -0.4 | -0.2 | 1.6 | 2.3 |
| 8/6/2020 9:18 PM  | 0.5 | -0.3 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 9:24 PM  | 0.5 | -0.3 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 9:30 PM  | 0.5 | -0.3 | -0.2 | 1.5 | 2.2 |
| 8/6/2020 9:36 PM  | 0.5 | -0.3 | -0.2 | 1.5 | 2.2 |
| 8/6/2020 9:42 PM  | 0.5 | -0.3 | -0.2 | 1.4 | 2.2 |
| 8/6/2020 9:48 PM  | 0.5 | -0.3 | -0.2 | 1.5 | 2.2 |
| 8/6/2020 9:54 PM  | 0.5 | -0.3 | -0.2 | 1.4 | 2.2 |
| 8/6/2020 10:00 PM | 0.5 | -0.3 | -0.2 | 1.4 | 2.2 |
| 8/6/2020 10:06 PM | 0.5 | -0.3 | -0.2 | 1.5 | 2.2 |
| 8/6/2020 10:12 PM | 0.5 | -0.3 | -0.2 | 1.5 | 2.2 |
| 8/6/2020 10:18 PM | 0.5 | -0.3 | -0.2 | 1.4 | 2.3 |
| 8/6/2020 10:24 PM | 0.5 | -0.3 | -0.2 | 1.3 | 2.2 |
| 8/6/2020 10:30 PM | 0.5 | -0.3 | -0.1 | 1.4 | 2.2 |
| 8/6/2020 10:36 PM | 0.5 | -0.3 | -0.1 | 1.3 | 2.2 |
| 8/6/2020 10:42 PM | 0.5 | -0.3 | -0.1 | 1.3 | 2.2 |
| 8/6/2020 10:48 PM | 0.5 | -0.4 | -0.1 | 1.3 | 2.3 |
| 8/6/2020 10:54 PM | 0.5 | -0.4 | -0.2 | 1.3 | 2.3 |
| 8/6/2020 11:00 PM | 0.5 | -0.4 | -0.2 | 1.3 | 2.3 |
| 8/6/2020 11:06 PM | 0.5 | -0.4 | -0.2 | 1.3 | 2.2 |
| 8/6/2020 11:12 PM | 0.5 | -0.4 | -0.2 | 1.3 | 2.2 |
| 8/6/2020 11:18 PM | 0.5 | -0.4 | -0.2 | 1.3 | 2.2 |
| 8/6/2020 11:24 PM | 0.5 | -0.4 | -0.2 | 1.3 | 2.2 |
| 8/6/2020 11:30 PM | 0.5 | -0.3 | -0.2 | 1.4 | 2.2 |
| 8/6/2020 11:36 PM | 0.5 | -0.3 | -0.2 | 1.5 | 2.2 |
| 8/6/2020 11:42 PM | 0.5 | -0.4 | -0.2 | 1.5 | 2.2 |
| 8/6/2020 11:48 PM | 0.5 | -0.3 | -0.2 | 1.4 | 2.2 |
| 8/6/2020 11:54 PM | 0.5 | -0.4 | -0.2 | 1.1 | 2.2 |
| 8/7/2020 12:00 AM | 0.5 | -0.3 | -0.2 | 0.9 | 2.3 |
| 8/7/2020 12:06 AM | 0.5 | -0.3 | -0.2 | 1.0 | 2.3 |
| 8/7/2020 12:12 AM | 0.5 | -0.3 | -0.2 | 1.0 | 2.3 |
| 8/7/2020 12:18 AM | 0.5 | -0.3 | -0.2 | 1.0 | 2.4 |
| 8/7/2020 12:24 AM | 0.5 | -0.3 | -0.2 | 1.0 | 2.4 |
| 8/7/2020 12:30 AM | 0.5 | -0.3 | -0.2 | 1.0 | 2.3 |
| 8/7/2020 12:36 AM | 0.5 | -0.3 | -0.2 | 1.0 | 2.3 |
| 8/7/2020 12:42 AM | 0.5 | -0.3 | -0.2 | 1.0 | 2.3 |
| 8/7/2020 12:48 AM | 0.5 | -0.3 | -0.2 | 1.0 | 2.3 |

|                   |          |          |          |          |          |
|-------------------|----------|----------|----------|----------|----------|
| 8/7/2020 12:54 AM | 0.5      | -0.3     | -0.2     | 1.0      | 2.3      |
| 8/7/2020 1:00 AM  | 0.5      | -0.3     | -0.2     | 4.1      | 1.5      |
| 8/7/2020 1:06 AM  | 0.5      | -0.3     | -0.2     | 5.2      | 0.3      |
| 8/7/2020 1:12 AM  | 0.5      | -0.3     | -0.2     | 4.6      | 0.1      |
| 8/7/2020 1:18 AM  | 0.5      | -0.3     | -0.2     | 4.3      | 0.1      |
| 8/7/2020 1:24 AM  | 0.5      | -0.2     | -0.2     | 4.2      | 0.1      |
| 8/7/2020 1:30 AM  | 0.5      | -0.2     | -0.3     | 4.3      | 0.1      |
| 8/7/2020 1:36 AM  | 0.5      | -0.3     | -0.2     | 4.2      | 0.1      |
| 8/7/2020 1:42 AM  | 0.5      | -0.3     | -0.3     | 4.1      | 0.1      |
| 8/7/2020 1:48 AM  | 0.5      | -0.2     | -0.3     | 4.1      | 0.1      |
| 8/7/2020 1:54 AM  | 0.5      | -0.3     | -0.3     | 4.1      | 0.1      |
| 8/7/2020 2:00 AM  | 0.5      | -0.3     | -0.3     | 4.2      | 0.1      |
| 8/7/2020 2:06 AM  | 0.5      | -0.3     | -0.3     | 4.2      | 0.1      |
| 8/7/2020 2:12 AM  | 0.5      | -0.3     | -0.3     | 4.0      | 0.1      |
| 8/7/2020 2:18 AM  | 0.5      | -0.3     | -0.3     | 3.9      | 0.1      |
| 8/7/2020 2:24 AM  | 0.5      | -0.3     | -0.3     | 3.7      | 0.1      |
| 8/7/2020 2:30 AM  | 0.5      | -0.3     | -0.3     | 3.6      | 0.1      |
| 8/7/2020 2:36 AM  | 0.5      | -0.2     | -0.3     | 3.5      | 0.1      |
| 8/7/2020 2:42 AM  | 0.5      | -0.3     | -0.3     | 3.5      | 0.1      |
| 8/7/2020 2:48 AM  | 0.5      | -0.2     | -0.3     | 3.6      | 0.1      |
| 8/7/2020 2:54 AM  | 0.5      | -0.3     | -0.3     | 3.6      | 0.1      |
| 8/7/2020 3:00 AM  | 0.5      | -0.3     | -0.3     | 3.7      | 0.1      |
| 8/7/2020 3:06 AM  | 0.5      | -0.2     | -0.3     | 3.7      | 0.1      |
| 8/7/2020 3:12 AM  | 0.5      | -0.2     | -0.3     | 3.7      | 0.1      |
| 8/7/2020 3:18 AM  | 0.5      | -0.2     | -0.3     | 3.6      | 0.1      |
| 8/7/2020 3:24 AM  | 0.5      | -0.2     | -0.3     | 3.6      | 0.1      |
| 8/7/2020 3:30 AM  | 0.5      | -0.2     | -0.3     | 3.6      | 0.1      |
| 8/7/2020 3:36 AM  | 0.5      | -0.2     | -0.3     | 3.5      | 0.1      |
| 8/7/2020 3:42 AM  | 0.5      | -0.2     | -0.3     | 3.4      | 0.1      |
| 8/7/2020 3:48 AM  | 0.5      | -0.2     | -0.3     | 3.4      | 0.1      |
| 8/7/2020 3:54 AM  | 0.5      | -0.2     | -0.3     | 3.2      | 0.1      |
| 8/7/2020 4:00 AM  | 0.5      | -0.3     | -0.3     | 3.1      | 0.1      |
| 8/7/2020 4:06 AM  | 0.5      | -0.2     | -0.3     | 3.1      | 0.1      |
| 8/7/2020 4:12 AM  | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 |
| 8/7/2020 4:18 AM  | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 8/7/2020 4:24 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 8/7/2020 4:30 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 8/7/2020 4:36 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 8/7/2020 4:42 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 8/7/2020 4:48 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 8/7/2020 4:54 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 8/7/2020 5:00 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 8/7/2020 5:06 AM  | NoData   | NoData   | NoData   | NoData   | NoData   |
| 8/7/2020 5:12 AM  | ---      | ---      | 0.0      | 0.0      | 0.0      |
| 8/7/2020 5:18 AM  | ---      | ---      | 0.0      | 0.0      | 0.0      |
| 8/7/2020 5:24 AM  | ---      | ---      | 0.0      | 0.0      | 0.0      |
| 8/7/2020 5:30 AM  | ---      | ---      | 0.0      | 0.0      | 0.0      |
| 8/7/2020 5:36 AM  | ---      | ---      | 0.0      | 0.0      | 0.0      |
| 8/7/2020 5:42 AM  | ---      | ---      | 0.0      | 0.0      | 0.0      |
| 8/7/2020 5:48 AM  | ---      | ---      | 0.0      | 0.0      | 0.0      |

|                   |        |        |        |        |        |
|-------------------|--------|--------|--------|--------|--------|
| 8/7/2020 5:54 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 6:00 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 6:06 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 6:12 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 6:18 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 6:24 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 6:30 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 6:36 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 6:42 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 6:48 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 6:54 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 7:00 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 7:06 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 7:12 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 7:18 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 7:24 AM  | ---    | ---    | 0.0    | 0.0    | 0.0    |
| 8/7/2020 7:30 AM  | NoData | NoData | NoData | NoData | NoData |
| 8/7/2020 7:36 AM  | <Samp  | <Samp  | <Samp  | <Samp  | <Samp  |
| 8/7/2020 7:42 AM  | 0.3    | -0.9   | 0.0    | 5.8    | 2.6    |
| 8/7/2020 7:48 AM  | 0.3    | -0.8   | 0.0    | 5.9    | 2.7    |
| 8/7/2020 7:54 AM  | 0.3    | -0.8   | 0.0    | 5.9    | 2.7    |
| 8/7/2020 8:00 AM  | 0.3    | -0.9   | 0.0    | 5.7    | 2.8    |
| 8/7/2020 8:06 AM  | 0.3    | -0.9   | 0.0    | 6.3    | 4.2    |
| 8/7/2020 8:12 AM  | 0.3    | -0.8   | 0.0    | 7.5    | 8.6    |
| 8/7/2020 8:18 AM  | 0.4    | -0.8   | 0.0    | 7.7    | 10.3   |
| 8/7/2020 8:24 AM  | 0.4    | -0.8   | -0.1   | 7.6    | 9.4    |
| 8/7/2020 8:30 AM  | 0.3    | -0.7   | -0.1   | 7.8    | 8.8    |
| 8/7/2020 8:36 AM  | 0.3    | 4.7    | -0.2   | 8.1    | 8.6    |
| 8/7/2020 8:42 AM  | 0.3    | 9.1    | -0.2   | 8.1    | 8.4    |
| 8/7/2020 8:48 AM  | 0.3    | 5.2    | -0.3   | 8.1    | 8.4    |
| 8/7/2020 8:54 AM  | 0.3    | 3.2    | -0.3   | 8.0    | 8.6    |
| 8/7/2020 9:00 AM  | 0.3    | 1.9    | -0.3   | 8.2    | 9.0    |
| 8/7/2020 9:06 AM  | 0.3    | 1.2    | -0.3   | 8.4    | 8.7    |
| 8/7/2020 9:12 AM  | 0.3    | 0.8    | -0.4   | 8.4    | 8.7    |
| 8/7/2020 9:18 AM  | 0.3    | 0.3    | -0.4   | 7.8    | 8.5    |
| 8/7/2020 9:24 AM  | 0.3    | -0.7   | -0.5   | 7.2    | 8.2    |
| 8/7/2020 9:30 AM  | 0.3    | -1.2   | -0.5   | 6.9    | 8.2    |
| 8/7/2020 9:36 AM  | 0.3    | -1.2   | -0.6   | 7.0    | 6.6    |
| 8/7/2020 9:42 AM  | 0.3    | -1.2   | -0.6   | 7.4    | 3.3    |
| 8/7/2020 9:48 AM  | 0.3    | -1.2   | -0.6   | 7.5    | 2.2    |
| 8/7/2020 9:54 AM  | 0.3    | -1.1   | -0.6   | 7.4    | 2.3    |
| 8/7/2020 10:00 AM | 0.3    | -1.2   | -0.7   | 7.4    | 2.4    |
| 8/7/2020 10:06 AM | 0.3    | -1.1   | -0.7   | 7.2    | 2.6    |
| 8/7/2020 10:12 AM | 0.3    | -1.1   | -0.7   | 7.2    | 3.0    |
| 8/7/2020 10:18 AM | 0.3    | -1.1   | -0.7   | 7.4    | 3.1    |
| 8/7/2020 10:24 AM | 0.3    | -1.1   | -0.7   | 7.2    | 3.0    |
| 8/7/2020 10:30 AM | 0.3    | -1.1   | -0.7   | 7.0    | 3.0    |
| 8/7/2020 10:36 AM | 0.3    | -1.1   | -0.7   | 7.0    | 2.9    |
| 8/7/2020 10:42 AM | 0.3    | -1.1   | -0.7   | 6.9    | 2.9    |
| 8/7/2020 10:48 AM | 0.3    | -1.1   | -0.7   | 6.8    | 2.9    |

|                   |     |      |      |     |     |
|-------------------|-----|------|------|-----|-----|
| 8/7/2020 10:54 AM | 0.3 | -1.0 | -0.7 | 6.9 | 2.8 |
| 8/7/2020 11:00 AM | 0.3 | -1.1 | -0.7 | 6.7 | 2.7 |
| 8/7/2020 11:06 AM | 0.4 | -1.1 | -0.7 | 6.2 | 2.6 |
| 8/7/2020 11:12 AM | 0.4 | -1.1 | -0.6 | 3.3 | 2.7 |
| 8/7/2020 11:18 AM | 0.4 | -1.1 | -0.6 | 1.5 | 2.9 |
| 8/7/2020 11:24 AM | 0.4 | -1.1 | -0.6 | 1.6 | 2.9 |
| 8/7/2020 11:30 AM | 0.4 | -1.0 | -0.6 | 1.6 | 2.8 |
| 8/7/2020 11:36 AM | 0.4 | -1.0 | -0.5 | 1.7 | 2.8 |
| 8/7/2020 11:42 AM | 0.4 | -1.0 | -0.5 | 1.7 | 2.8 |
| 8/7/2020 11:48 AM | 0.4 | -1.1 | -0.5 | 1.7 | 2.9 |
| 8/7/2020 11:54 AM | 0.4 | -1.1 | -0.4 | 1.7 | 2.9 |
| 8/7/2020 12:00 PM | 0.3 | -0.8 | -0.5 | 1.8 | 2.9 |
| 8/7/2020 12:06 PM | 0.0 | -0.1 | -0.6 | 1.6 | 2.9 |
| 8/7/2020 12:12 PM | 0.0 | -0.1 | -0.6 | 1.5 | 2.6 |
| 8/7/2020 12:18 PM | 0.0 | 0.0  | -0.7 | 1.5 | 2.5 |
| 8/7/2020 12:24 PM | 0.0 | 0.0  | -0.7 | 1.6 | 2.6 |
| 8/7/2020 12:30 PM | 0.0 | 0.0  | -0.7 | 2.1 | 2.6 |
| 8/7/2020 12:36 PM | 0.0 | 0.0  | -0.7 | 2.9 | 2.6 |
| 8/7/2020 12:42 PM | 0.0 | 0.0  | -0.7 | 3.1 | 2.7 |
| 8/7/2020 12:48 PM | 0.0 | 0.1  | -0.7 | 2.9 | 2.7 |
| 8/7/2020 12:54 PM | 0.0 | 0.1  | -0.7 | 2.9 | 2.9 |
| 8/7/2020 1:00 PM  | 0.0 | 0.1  | -0.7 | 3.1 | 3.0 |
| 8/7/2020 1:06 PM  | 0.0 | 0.1  | -0.7 | 3.2 | 3.0 |
| 8/7/2020 1:12 PM  | 0.0 | 0.1  | -0.7 | 3.2 | 3.0 |
| 8/7/2020 1:18 PM  | 0.0 | 0.1  | -0.7 | 3.2 | 3.0 |
| 8/7/2020 1:24 PM  | 0.0 | 0.1  | -0.7 | 3.0 | 2.8 |
| 8/7/2020 1:30 PM  | 0.0 | 0.1  | -0.7 | 3.1 | 2.8 |
| 8/7/2020 1:36 PM  | 0.0 | 0.1  | -0.7 | 3.2 | 2.8 |
| 8/7/2020 1:42 PM  | 0.0 | 0.2  | -0.6 | 3.3 | 2.7 |
| 8/7/2020 1:48 PM  | 0.0 | 0.2  | -0.6 | 3.4 | 2.7 |
| 8/7/2020 1:54 PM  | 0.0 | 0.2  | -0.6 | 3.4 | 2.7 |
| 8/7/2020 2:00 PM  | 0.0 | 0.2  | -0.6 | 2.2 | 2.5 |
| 8/7/2020 2:06 PM  | 0.0 | 0.2  | -0.6 | 0.9 | 2.4 |
| 8/7/2020 2:12 PM  | 0.0 | 0.2  | -0.6 | 0.9 | 2.6 |
| 8/7/2020 2:18 PM  | 0.0 | 0.2  | -0.7 | 1.1 | 2.7 |
| 8/7/2020 2:24 PM  | 0.0 | 0.2  | -0.7 | 1.1 | 2.7 |
| 8/7/2020 2:30 PM  | 0.0 | 0.2  | -0.7 | 1.1 | 2.8 |
| 8/7/2020 2:36 PM  | 0.0 | 0.2  | -0.6 | 1.1 | 2.8 |
| 8/7/2020 2:42 PM  | 0.0 | 0.2  | -0.6 | 1.1 | 2.8 |
| 8/7/2020 2:48 PM  | 0.0 | 0.2  | -0.6 | 1.2 | 2.8 |
| 8/7/2020 2:54 PM  | 0.0 | 0.3  | -0.6 | 1.2 | 2.8 |
| 8/7/2020 3:00 PM  | 0.0 | 0.3  | -0.7 | 1.2 | 2.8 |
| 8/7/2020 3:06 PM  | 0.0 | 0.3  | -0.7 | 1.2 | 2.8 |
| 8/7/2020 3:12 PM  | 0.0 | 0.2  | -0.6 | 1.2 | 2.8 |
| 8/7/2020 3:18 PM  | 0.0 | 0.2  | -0.6 | 1.6 | 2.8 |
| 8/7/2020 3:24 PM  | 0.0 | 0.2  | -0.6 | 2.2 | 2.9 |
| 8/7/2020 3:30 PM  | 0.0 | 0.2  | -0.6 | 2.1 | 2.9 |
| 8/7/2020 3:36 PM  | 0.0 | 0.2  | -0.6 | 2.0 | 2.9 |
| 8/7/2020 3:42 PM  | 0.0 | 0.1  | -0.6 | 1.9 | 3.0 |
| 8/7/2020 3:48 PM  | 0.0 | 0.1  | -0.5 | 1.9 | 3.0 |

|                  |      |     |      |      |     |
|------------------|------|-----|------|------|-----|
| 8/7/2020 3:54 PM | 0.0  | 0.1 | -0.5 | 2.0  | 2.9 |
| 8/7/2020 4:00 PM | 0.0  | 0.1 | -0.5 | 1.9  | 3.0 |
| 8/7/2020 4:06 PM | 0.0  | 0.2 | -0.5 | 1.8  | 2.9 |
| 8/7/2020 4:12 PM | 0.0  | 0.1 | -0.5 | 1.8  | 2.9 |
| 8/7/2020 4:18 PM | 0.0  | 0.1 | -0.4 | 1.7  | 2.9 |
| 8/7/2020 4:24 PM | 0.0  | 0.1 | -0.4 | 1.6  | 2.9 |
| 8/7/2020 4:30 PM | 0.0  | 0.1 | -0.4 | 1.6  | 2.9 |
| 8/7/2020 4:36 PM | 0.0  | 0.3 | -0.4 | 1.6  | 2.9 |
| 8/7/2020 4:42 PM | 0.0  | 0.4 | -0.4 | 1.6  | 2.9 |
| 8/7/2020 4:48 PM | 0.0  | 0.4 | -0.4 | 1.6  | 2.8 |
| 8/7/2020 4:54 PM | 0.0  | 0.3 | -0.4 | 1.6  | 2.7 |
| 8/7/2020 5:00 PM | 0.0  | 0.4 | -0.4 | 1.6  | 2.7 |
| 8/7/2020 5:06 PM | 0.0  | 0.4 | -0.4 | 1.6  | 2.7 |
| 8/7/2020 5:12 PM | 0.0  | 0.3 | -0.4 | 1.6  | 2.7 |
| 8/7/2020 5:18 PM | 0.0  | 0.3 | -0.4 | 1.6  | 2.7 |
| 8/7/2020 5:24 PM | 0.0  | 0.3 | -0.4 | 1.6  | 2.7 |
| 8/7/2020 5:30 PM | 0.0  | 0.3 | -0.4 | 1.5  | 2.6 |
| 8/7/2020 5:36 PM | 0.0  | 0.3 | -0.4 | 1.5  | 2.6 |
| 8/7/2020 5:42 PM | 0.0  | 0.3 | -0.4 | 1.5  | 2.6 |
| 8/7/2020 5:48 PM | 0.0  | 0.3 | -0.4 | 1.5  | 2.6 |
| 8/7/2020 5:54 PM | 0.0  | 0.3 | -0.4 | 1.5  | 2.7 |
| 8/7/2020 6:00 PM | 0.0  | 0.3 | -0.4 | 1.5  | 2.7 |
| 8/7/2020 6:06 PM | 0.0  | 0.3 | -0.4 | 1.5  | 2.6 |
| 8/7/2020 6:12 PM | 0.0  | 0.3 | -0.4 | 1.5  | 2.6 |
| 8/7/2020 6:18 PM | 0.0  | 0.2 | -0.3 | 1.5  | 2.6 |
| 8/7/2020 6:24 PM | 0.0  | 0.1 | -0.1 | 1.5  | 2.6 |
| 8/7/2020 6:30 PM | 0.0  | 0.1 | 0.0  | 1.5  | 2.6 |
| 8/7/2020 6:36 PM | 0.0  | 0.3 | 0.1  | 1.6  | 2.6 |
| 8/7/2020 6:42 PM | 0.0  | 0.3 | 0.1  | 1.6  | 2.6 |
| 8/7/2020 6:48 PM | 0.0  | 0.2 | 0.1  | 1.6  | 2.6 |
| 8/7/2020 6:54 PM | 0.0  | 0.3 | 0.1  | 1.7  | 2.7 |
| 8/7/2020 7:00 PM | 0.0  | 0.3 | 0.1  | 1.7  | 2.7 |
| 8/7/2020 7:06 PM | 0.0  | 0.5 | 0.1  | 1.7  | 2.6 |
| 8/7/2020 7:12 PM | -0.1 | 0.8 | 0.0  | 1.7  | 2.6 |
| 8/7/2020 7:18 PM | -0.1 | 1.1 | -0.2 | 1.7  | 2.7 |
| 8/7/2020 7:24 PM | -0.1 | 1.2 | -0.2 | 1.8  | 2.8 |
| 8/7/2020 7:30 PM | -0.1 | 1.3 | -0.3 | 1.9  | 3.0 |
| 8/7/2020 7:36 PM | -0.1 | 1.6 | -0.4 | 3.0  | 3.2 |
| 8/7/2020 7:42 PM | -0.1 | 1.5 | -0.4 | 5.1  | 3.4 |
| 8/7/2020 7:48 PM | -0.1 | 1.3 | -0.5 | 5.6  | 3.4 |
| 8/7/2020 7:54 PM | -0.1 | 1.0 | -0.6 | 5.7  | 3.8 |
| 8/7/2020 8:00 PM | -0.1 | 0.9 | -0.6 | 6.3  | 4.2 |
| 8/7/2020 8:06 PM | 0.0  | 0.9 | -0.6 | 8.0  | 5.6 |
| 8/7/2020 8:12 PM | 0.0  | 0.8 | -0.6 | 11.2 | 8.5 |
| 8/7/2020 8:18 PM | 0.0  | 0.9 | -0.6 | 10.1 | 7.7 |
| 8/7/2020 8:24 PM | -0.1 | 0.8 | -0.6 | 7.7  | 5.5 |
| 8/7/2020 8:30 PM | -0.1 | 0.8 | -0.6 | 8.1  | 6.5 |
| 8/7/2020 8:36 PM | -0.1 | 0.9 | -0.6 | 8.8  | 7.8 |
| 8/7/2020 8:42 PM | -0.1 | 0.8 | -0.6 | 8.9  | 8.0 |
| 8/7/2020 8:48 PM | -0.1 | 0.7 | -0.6 | 8.7  | 7.9 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/7/2020 8:54 PM  | -0.1 | 0.7 | -0.6 | 8.4 | 7.8 |
| 8/7/2020 9:00 PM  | -0.1 | 0.7 | -0.6 | 8.5 | 7.8 |
| 8/7/2020 9:06 PM  | -0.1 | 0.9 | -0.5 | 8.5 | 7.6 |
| 8/7/2020 9:12 PM  | -0.1 | 0.9 | -0.5 | 8.5 | 7.7 |
| 8/7/2020 9:18 PM  | -0.1 | 0.9 | -0.5 | 8.8 | 7.6 |
| 8/7/2020 9:24 PM  | -0.1 | 0.9 | -0.5 | 8.8 | 7.3 |
| 8/7/2020 9:30 PM  | -0.1 | 0.9 | -0.5 | 8.9 | 7.4 |
| 8/7/2020 9:36 PM  | -0.1 | 0.9 | -0.5 | 9.1 | 7.4 |
| 8/7/2020 9:42 PM  | -0.1 | 0.9 | -0.5 | 8.9 | 7.4 |
| 8/7/2020 9:48 PM  | -0.1 | 0.8 | -0.5 | 8.7 | 7.6 |
| 8/7/2020 9:54 PM  | -0.1 | 0.8 | -0.5 | 9.0 | 7.5 |
| 8/7/2020 10:00 PM | -0.1 | 0.8 | -0.5 | 9.5 | 7.3 |
| 8/7/2020 10:06 PM | -0.1 | 0.8 | -0.6 | 9.7 | 7.2 |
| 8/7/2020 10:12 PM | -0.1 | 0.8 | -0.6 | 9.6 | 7.1 |
| 8/7/2020 10:18 PM | -0.1 | 0.8 | -0.6 | 9.6 | 6.7 |
| 8/7/2020 10:24 PM | -0.1 | 0.8 | -0.6 | 9.4 | 6.2 |
| 8/7/2020 10:30 PM | -0.1 | 0.8 | -0.6 | 7.9 | 5.5 |
| 8/7/2020 10:36 PM | -0.1 | 0.8 | -0.6 | 4.6 | 4.2 |
| 8/7/2020 10:42 PM | -0.1 | 0.8 | -0.6 | 3.3 | 3.7 |
| 8/7/2020 10:48 PM | -0.1 | 0.8 | -0.6 | 3.3 | 3.8 |
| 8/7/2020 10:54 PM | -0.1 | 0.8 | -0.6 | 2.8 | 3.9 |
| 8/7/2020 11:00 PM | -0.1 | 0.8 | -0.6 | 2.1 | 4.0 |
| 8/7/2020 11:06 PM | -0.1 | 0.8 | -0.6 | 1.4 | 3.2 |
| 8/7/2020 11:12 PM | -0.1 | 0.8 | -0.6 | 0.8 | 2.2 |
| 8/7/2020 11:18 PM | -0.1 | 0.7 | -0.6 | 1.0 | 2.3 |
| 8/7/2020 11:24 PM | -0.1 | 0.7 | -0.6 | 1.0 | 2.5 |
| 8/7/2020 11:30 PM | -0.1 | 0.7 | -0.6 | 1.0 | 2.6 |
| 8/7/2020 11:36 PM | -0.1 | 0.7 | -0.6 | 1.1 | 2.6 |
| 8/7/2020 11:42 PM | -0.1 | 0.8 | -0.6 | 1.2 | 2.6 |
| 8/7/2020 11:48 PM | -0.1 | 0.9 | -0.6 | 1.2 | 2.6 |
| 8/7/2020 11:54 PM | -0.1 | 0.9 | -0.6 | 1.2 | 2.6 |
| 8/8/2020 12:00 AM | 0.0  | 1.0 | -0.6 | 1.2 | 2.6 |
| 8/8/2020 12:06 AM | 0.0  | 0.9 | -0.6 | 1.2 | 2.6 |
| 8/8/2020 12:12 AM | 0.0  | 0.9 | -0.6 | 1.2 | 2.6 |
| 8/8/2020 12:18 AM | 0.0  | 0.8 | -0.6 | 1.1 | 2.6 |
| 8/8/2020 12:24 AM | 0.0  | 0.6 | -0.6 | 1.1 | 2.5 |
| 8/8/2020 12:30 AM | 0.0  | 0.6 | -0.6 | 1.1 | 2.5 |
| 8/8/2020 12:36 AM | 0.0  | 0.7 | -0.6 | 1.2 | 2.4 |
| 8/8/2020 12:42 AM | 0.0  | 0.7 | -0.6 | 1.2 | 2.4 |
| 8/8/2020 12:48 AM | 0.0  | 0.8 | -0.6 | 1.2 | 2.4 |
| 8/8/2020 12:54 AM | 0.0  | 0.8 | -0.6 | 1.2 | 2.4 |
| 8/8/2020 1:00 AM  | 0.0  | 0.8 | -0.6 | 2.1 | 2.2 |
| 8/8/2020 1:06 AM  | 0.0  | 0.8 | -0.6 | 4.3 | 1.0 |
| 8/8/2020 1:12 AM  | 0.0  | 0.8 | -0.6 | 4.8 | 0.2 |
| 8/8/2020 1:18 AM  | 0.0  | 0.8 | -0.5 | 4.5 | 0.1 |
| 8/8/2020 1:24 AM  | 0.0  | 0.8 | -0.5 | 4.4 | 0.2 |
| 8/8/2020 1:30 AM  | 0.0  | 0.8 | -0.5 | 4.3 | 0.2 |
| 8/8/2020 1:36 AM  | 0.0  | 0.8 | -0.5 | 4.1 | 0.2 |
| 8/8/2020 1:42 AM  | 0.0  | 0.8 | -0.5 | 4.0 | 0.2 |
| 8/8/2020 1:48 AM  | 0.0  | 0.8 | -0.5 | 3.9 | 0.2 |

|                  |      |     |      |     |     |
|------------------|------|-----|------|-----|-----|
| 8/8/2020 1:54 AM | 0.0  | 0.8 | -0.6 | 3.7 | 0.2 |
| 8/8/2020 2:00 AM | -0.1 | 0.9 | -0.6 | 3.6 | 0.2 |
| 8/8/2020 2:06 AM | -0.1 | 0.9 | -0.6 | 3.6 | 0.2 |
| 8/8/2020 2:12 AM | -0.1 | 0.9 | -0.6 | 3.5 | 0.2 |
| 8/8/2020 2:18 AM | -0.1 | 1.0 | -0.6 | 3.5 | 0.2 |
| 8/8/2020 2:24 AM | -0.1 | 1.0 | -0.6 | 3.4 | 0.2 |
| 8/8/2020 2:30 AM | -0.1 | 0.9 | -0.6 | 3.4 | 0.2 |
| 8/8/2020 2:36 AM | -0.1 | 1.0 | -0.6 | 3.5 | 0.2 |
| 8/8/2020 2:42 AM | -0.1 | 1.0 | -0.5 | 3.4 | 0.2 |
| 8/8/2020 2:48 AM | -0.1 | 1.0 | -0.5 | 3.3 | 0.2 |
| 8/8/2020 2:54 AM | -0.1 | 1.0 | -0.5 | 3.3 | 0.2 |
| 8/8/2020 3:00 AM | -0.1 | 0.9 | -0.5 | 3.3 | 0.2 |
| 8/8/2020 3:06 AM | -0.1 | 1.0 | -0.5 | 3.3 | 0.2 |
| 8/8/2020 3:12 AM | -0.1 | 1.0 | -0.5 | 3.4 | 0.2 |
| 8/8/2020 3:18 AM | -0.1 | 0.9 | -0.5 | 3.4 | 0.2 |
| 8/8/2020 3:24 AM | -0.1 | 0.9 | -0.5 | 3.2 | 0.2 |
| 8/8/2020 3:30 AM | -0.1 | 1.0 | -0.5 | 3.1 | 0.2 |
| 8/8/2020 3:36 AM | -0.1 | 1.0 | -0.5 | 3.0 | 0.2 |
| 8/8/2020 3:42 AM | -0.1 | 1.0 | -0.5 | 3.0 | 0.2 |
| 8/8/2020 3:48 AM | -0.1 | 1.0 | -0.5 | 3.0 | 0.2 |
| 8/8/2020 3:54 AM | -0.1 | 1.0 | -0.5 | 3.0 | 0.2 |
| 8/8/2020 4:00 AM | -0.1 | 1.0 | -0.5 | 2.9 | 0.2 |
| 8/8/2020 4:06 AM | -0.1 | 1.1 | -0.5 | 2.8 | 0.1 |
| 8/8/2020 4:12 AM | -0.1 | 1.1 | -0.5 | 2.7 | 0.2 |
| 8/8/2020 4:18 AM | -0.1 | 1.1 | -0.5 | 2.7 | 0.2 |
| 8/8/2020 4:24 AM | -0.1 | 1.2 | -0.5 | 2.8 | 0.2 |
| 8/8/2020 4:30 AM | -0.1 | 1.2 | -0.6 | 2.8 | 0.2 |
| 8/8/2020 4:36 AM | -0.1 | 1.2 | -0.6 | 2.8 | 0.2 |
| 8/8/2020 4:42 AM | -0.1 | 1.2 | -0.6 | 2.9 | 0.2 |
| 8/8/2020 4:48 AM | -0.1 | 1.3 | -0.6 | 2.8 | 0.2 |
| 8/8/2020 4:54 AM | -0.1 | 1.3 | -0.6 | 2.8 | 0.2 |
| 8/8/2020 5:00 AM | -0.1 | 1.3 | -0.6 | 2.9 | 0.2 |
| 8/8/2020 5:06 AM | -0.1 | 1.3 | -0.6 | 2.9 | 0.2 |
| 8/8/2020 5:12 AM | -0.1 | 1.4 | -0.6 | 3.0 | 0.2 |
| 8/8/2020 5:18 AM | -0.1 | 1.4 | -0.6 | 2.9 | 0.2 |
| 8/8/2020 5:24 AM | -0.1 | 1.4 | -0.6 | 2.9 | 0.2 |
| 8/8/2020 5:30 AM | 0.0  | 1.4 | -0.6 | 2.9 | 0.2 |
| 8/8/2020 5:36 AM | 0.0  | 1.4 | -0.6 | 3.0 | 0.2 |
| 8/8/2020 5:42 AM | -0.1 | 1.4 | -0.6 | 3.0 | 0.2 |
| 8/8/2020 5:48 AM | -0.1 | 1.5 | -0.6 | 3.1 | 0.2 |
| 8/8/2020 5:54 AM | -0.1 | 1.4 | -0.6 | 3.3 | 0.2 |
| 8/8/2020 6:00 AM | 0.0  | 1.4 | -0.6 | 3.4 | 0.2 |
| 8/8/2020 6:06 AM | -0.1 | 1.5 | -0.6 | 3.4 | 0.2 |
| 8/8/2020 6:12 AM | -0.1 | 1.5 | -0.6 | 3.4 | 0.2 |
| 8/8/2020 6:18 AM | 0.0  | 1.6 | -0.6 | 3.4 | 0.2 |
| 8/8/2020 6:24 AM | 0.0  | 1.6 | -0.7 | 3.4 | 0.2 |
| 8/8/2020 6:30 AM | 0.0  | 1.7 | -0.7 | 3.6 | 0.2 |
| 8/8/2020 6:36 AM | 0.0  | 1.7 | -0.7 | 3.5 | 0.2 |
| 8/8/2020 6:42 AM | 0.0  | 1.7 | -0.7 | 3.4 | 0.2 |
| 8/8/2020 6:48 AM | 0.0  | 1.7 | -0.7 | 3.6 | 0.2 |

|                   |     |     |      |     |     |
|-------------------|-----|-----|------|-----|-----|
| 8/8/2020 6:54 AM  | 0.0 | 1.6 | -0.7 | 3.6 | 0.2 |
| 8/8/2020 7:00 AM  | 0.0 | 1.8 | -0.7 | 3.6 | 0.2 |
| 8/8/2020 7:06 AM  | 0.0 | 1.8 | -0.7 | 3.6 | 0.2 |
| 8/8/2020 7:12 AM  | 0.0 | 1.8 | -0.7 | 3.5 | 0.2 |
| 8/8/2020 7:18 AM  | 0.0 | 1.9 | -0.7 | 5.0 | 4.4 |
| 8/8/2020 7:24 AM  | 0.0 | 2.0 | -0.7 | 6.9 | 5.0 |
| 8/8/2020 7:30 AM  | 0.0 | 2.1 | -0.8 | 6.9 | 0.5 |
| 8/8/2020 7:36 AM  | 0.0 | 2.1 | -0.8 | 6.7 | 0.2 |
| 8/8/2020 7:42 AM  | 0.0 | 2.2 | -0.8 | 6.6 | 0.2 |
| 8/8/2020 7:48 AM  | 0.0 | 2.2 | -0.8 | 6.6 | 0.2 |
| 8/8/2020 7:54 AM  | 0.0 | 2.2 | -0.8 | 6.6 | 0.2 |
| 8/8/2020 8:00 AM  | 0.0 | 2.1 | -0.8 | 6.7 | 0.2 |
| 8/8/2020 8:06 AM  | 0.0 | 2.1 | -0.8 | 6.6 | 0.2 |
| 8/8/2020 8:12 AM  | 0.0 | 2.1 | -0.8 | 6.6 | 0.2 |
| 8/8/2020 8:18 AM  | 0.0 | 2.2 | -0.8 | 6.6 | 0.1 |
| 8/8/2020 8:24 AM  | 0.0 | 2.2 | -0.8 | 6.6 | 0.1 |
| 8/8/2020 8:30 AM  | 0.0 | 2.2 | -0.7 | 6.7 | 0.2 |
| 8/8/2020 8:36 AM  | 0.0 | 2.1 | -0.7 | 6.9 | 0.2 |
| 8/8/2020 8:42 AM  | 0.0 | 2.1 | -0.7 | 6.7 | 0.2 |
| 8/8/2020 8:48 AM  | 0.0 | 2.1 | -0.7 | 6.5 | 0.2 |
| 8/8/2020 8:54 AM  | 0.0 | 2.1 | -0.7 | 6.6 | 0.2 |
| 8/8/2020 9:00 AM  | 0.0 | 2.1 | -0.7 | 6.8 | 0.2 |
| 8/8/2020 9:06 AM  | 0.0 | 1.9 | -0.7 | 7.0 | 0.2 |
| 8/8/2020 9:12 AM  | 0.0 | 2.0 | -0.7 | 7.0 | 0.2 |
| 8/8/2020 9:18 AM  | 0.0 | 2.1 | -0.7 | 7.1 | 3.3 |
| 8/8/2020 9:24 AM  | 0.0 | 2.1 | -0.7 | 5.0 | 8.6 |
| 8/8/2020 9:30 AM  | 0.0 | 2.2 | -0.7 | 2.2 | 9.0 |
| 8/8/2020 9:36 AM  | 0.0 | 2.2 | -0.7 | 2.2 | 7.3 |
| 8/8/2020 9:42 AM  | 0.0 | 2.2 | -0.7 | 2.4 | 6.5 |
| 8/8/2020 9:48 AM  | 0.0 | 2.3 | -0.7 | 2.4 | 5.7 |
| 8/8/2020 9:54 AM  | 0.0 | 2.3 | -0.7 | 2.4 | 4.7 |
| 8/8/2020 10:00 AM | 0.0 | 2.3 | -0.8 | 2.4 | 4.1 |
| 8/8/2020 10:06 AM | 0.0 | 2.4 | -0.7 | 2.4 | 3.6 |
| 8/8/2020 10:12 AM | 0.0 | 2.3 | -0.7 | 2.5 | 3.4 |
| 8/8/2020 10:18 AM | 0.0 | 2.2 | -0.7 | 2.7 | 3.2 |
| 8/8/2020 10:24 AM | 0.0 | 2.2 | -0.7 | 2.7 | 3.1 |
| 8/8/2020 10:30 AM | 0.0 | 2.3 | -0.7 | 2.5 | 3.0 |
| 8/8/2020 10:36 AM | 0.0 | 2.3 | -0.7 | 2.4 | 2.9 |
| 8/8/2020 10:42 AM | 0.1 | 2.3 | -0.7 | 2.4 | 2.8 |
| 8/8/2020 10:48 AM | 0.1 | 2.2 | -0.7 | 2.5 | 2.7 |
| 8/8/2020 10:54 AM | 0.1 | 2.3 | -0.8 | 2.4 | 2.7 |
| 8/8/2020 11:00 AM | 0.1 | 2.5 | -0.8 | 2.4 | 2.7 |
| 8/8/2020 11:06 AM | 0.1 | 2.6 | -0.8 | 2.3 | 2.6 |
| 8/8/2020 11:12 AM | 0.1 | 2.7 | -0.8 | 2.4 | 2.6 |
| 8/8/2020 11:18 AM | 0.1 | 2.7 | -0.8 | 2.4 | 2.6 |
| 8/8/2020 11:24 AM | 0.1 | 2.8 | -0.8 | 2.4 | 2.5 |
| 8/8/2020 11:30 AM | 0.1 | 2.9 | -0.8 | 2.4 | 2.5 |
| 8/8/2020 11:36 AM | 0.1 | 2.9 | -0.8 | 2.5 | 2.5 |
| 8/8/2020 11:42 AM | 0.1 | 2.9 | -0.8 | 2.5 | 2.5 |
| 8/8/2020 11:48 AM | 0.1 | 2.8 | -0.8 | 2.4 | 2.5 |



|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/8/2020 11:54 AM | 0.1  | 2.8 | -0.8 | 2.4 | 2.5 |
| 8/8/2020 12:00 PM | 0.0  | 2.8 | -0.8 | 2.3 | 2.5 |
| 8/8/2020 12:06 PM | -0.1 | 2.4 | -0.9 | 2.2 | 2.4 |
| 8/8/2020 12:12 PM | -0.1 | 2.4 | -0.9 | 2.2 | 2.5 |
| 8/8/2020 12:18 PM | -0.1 | 2.4 | -0.9 | 2.3 | 2.5 |
| 8/8/2020 12:24 PM | -0.1 | 2.3 | -0.9 | 2.5 | 2.4 |
| 8/8/2020 12:30 PM | -0.1 | 2.3 | -0.9 | 2.7 | 2.4 |
| 8/8/2020 12:36 PM | -0.1 | 2.3 | -0.9 | 3.0 | 2.4 |
| 8/8/2020 12:42 PM | -0.1 | 2.2 | -0.9 | 3.0 | 2.4 |
| 8/8/2020 12:48 PM | -0.1 | 2.2 | -0.8 | 3.1 | 2.4 |
| 8/8/2020 12:54 PM | -0.1 | 2.1 | -0.8 | 3.1 | 2.4 |
| 8/8/2020 1:00 PM  | -0.1 | 1.9 | -0.8 | 3.0 | 2.4 |
| 8/8/2020 1:06 PM  | -0.1 | 1.7 | -0.7 | 3.1 | 2.4 |
| 8/8/2020 1:12 PM  | -0.1 | 1.6 | -0.6 | 3.0 | 2.5 |
| 8/8/2020 1:18 PM  | -0.1 | 1.4 | -0.6 | 3.2 | 2.5 |
| 8/8/2020 1:24 PM  | -0.1 | 1.2 | -0.5 | 3.4 | 2.5 |
| 8/8/2020 1:30 PM  | -0.1 | 1.0 | -0.4 | 3.3 | 2.5 |
| 8/8/2020 1:36 PM  | -0.1 | 0.7 | -0.3 | 3.2 | 2.5 |
| 8/8/2020 1:42 PM  | -0.1 | 0.6 | -0.3 | 3.1 | 2.5 |
| 8/8/2020 1:48 PM  | -0.1 | 0.7 | -0.3 | 3.1 | 2.5 |
| 8/8/2020 1:54 PM  | -0.1 | 0.8 | -0.4 | 3.2 | 2.5 |
| 8/8/2020 2:00 PM  | -0.1 | 0.9 | -0.4 | 3.2 | 2.5 |
| 8/8/2020 2:06 PM  | 0.0  | 0.9 | -0.4 | 3.2 | 2.5 |
| 8/8/2020 2:12 PM  | 0.0  | 1.0 | -0.4 | 2.4 | 2.4 |
| 8/8/2020 2:18 PM  | 0.0  | 1.0 | -0.3 | 1.9 | 2.4 |
| 8/8/2020 2:24 PM  | 0.0  | 0.9 | -0.3 | 1.6 | 2.5 |
| 8/8/2020 2:30 PM  | 0.0  | 0.8 | -0.2 | 1.4 | 2.5 |
| 8/8/2020 2:36 PM  | 0.0  | 0.6 | -0.1 | 1.4 | 2.6 |
| 8/8/2020 2:42 PM  | 0.0  | 0.5 | -0.1 | 1.8 | 2.6 |
| 8/8/2020 2:48 PM  | 0.0  | 0.6 | -0.1 | 2.1 | 2.6 |
| 8/8/2020 2:54 PM  | 0.0  | 0.6 | -0.2 | 2.0 | 2.5 |
| 8/8/2020 3:00 PM  | 0.0  | 0.8 | -0.3 | 1.9 | 2.5 |
| 8/8/2020 3:06 PM  | 0.0  | 1.0 | -0.3 | 1.8 | 2.5 |
| 8/8/2020 3:12 PM  | 0.0  | 1.3 | -0.4 | 1.8 | 2.4 |
| 8/8/2020 3:18 PM  | 0.0  | 1.5 | -0.4 | 1.8 | 2.5 |
| 8/8/2020 3:24 PM  | -0.1 | 1.7 | -0.4 | 1.8 | 2.5 |
| 8/8/2020 3:30 PM  | -0.1 | 1.9 | -0.4 | 1.8 | 2.5 |
| 8/8/2020 3:36 PM  | -0.1 | 2.0 | -0.4 | 1.9 | 2.5 |
| 8/8/2020 3:42 PM  | -0.1 | 2.1 | -0.4 | 1.9 | 2.4 |
| 8/8/2020 3:48 PM  | -0.1 | 2.1 | -0.4 | 1.9 | 2.4 |
| 8/8/2020 3:54 PM  | -0.1 | 2.1 | -0.5 | 2.0 | 2.4 |
| 8/8/2020 4:00 PM  | -0.1 | 1.9 | -0.5 | 1.9 | 2.4 |
| 8/8/2020 4:06 PM  | -0.1 | 1.8 | -0.5 | 1.6 | 2.4 |
| 8/8/2020 4:12 PM  | -0.1 | 1.6 | -0.5 | 1.2 | 2.4 |
| 8/8/2020 4:18 PM  | -0.1 | 1.5 | -0.5 | 1.3 | 2.5 |
| 8/8/2020 4:24 PM  | -0.2 | 1.3 | -0.5 | 1.3 | 2.5 |
| 8/8/2020 4:30 PM  | -0.2 | 1.2 | -0.5 | 1.3 | 2.5 |
| 8/8/2020 4:36 PM  | -0.2 | 1.1 | -0.5 | 1.4 | 2.6 |
| 8/8/2020 4:42 PM  | -0.2 | 1.0 | -0.5 | 1.3 | 2.7 |
| 8/8/2020 4:48 PM  | -0.2 | 1.0 | -0.6 | 1.4 | 2.7 |

|                  |      |     |      |     |     |
|------------------|------|-----|------|-----|-----|
| 8/8/2020 4:54 PM | -0.2 | 1.0 | -0.6 | 1.4 | 2.6 |
| 8/8/2020 5:00 PM | -0.2 | 1.0 | -0.6 | 1.4 | 2.6 |
| 8/8/2020 5:06 PM | -0.2 | 1.1 | -0.6 | 1.8 | 2.7 |
| 8/8/2020 5:12 PM | -0.2 | 1.2 | -0.6 | 2.2 | 2.6 |
| 8/8/2020 5:18 PM | -0.2 | 1.2 | -0.6 | 2.0 | 2.5 |
| 8/8/2020 5:24 PM | -0.2 | 1.2 | -0.6 | 2.0 | 2.5 |
| 8/8/2020 5:30 PM | -0.2 | 1.2 | -0.6 | 1.6 | 2.5 |
| 8/8/2020 5:36 PM | -0.2 | 1.2 | -0.6 | 1.2 | 2.5 |
| 8/8/2020 5:42 PM | -0.2 | 1.2 | -0.6 | 1.3 | 2.5 |
| 8/8/2020 5:48 PM | -0.2 | 1.3 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 5:54 PM | -0.2 | 1.2 | -0.6 | 1.4 | 2.6 |
| 8/8/2020 6:00 PM | -0.2 | 0.6 | -0.6 | 1.4 | 2.6 |
| 8/8/2020 6:06 PM | -0.2 | 0.8 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 6:12 PM | -0.2 | 1.3 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 6:18 PM | -0.2 | 1.7 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 6:24 PM | -0.2 | 1.8 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 6:30 PM | -0.2 | 2.1 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 6:36 PM | -0.2 | 2.1 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 6:42 PM | -0.2 | 2.4 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 6:48 PM | -0.2 | 2.7 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 6:54 PM | -0.2 | 2.7 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 7:00 PM | -0.2 | 2.9 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 7:06 PM | -0.2 | 3.0 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 7:12 PM | -0.2 | 3.2 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 7:18 PM | -0.2 | 3.1 | -0.6 | 1.4 | 2.4 |
| 8/8/2020 7:24 PM | -0.2 | 3.1 | -0.6 | 1.5 | 2.4 |
| 8/8/2020 7:30 PM | -0.2 | 3.2 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 7:36 PM | -0.2 | 3.1 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 7:42 PM | -0.2 | 3.1 | -0.6 | 1.5 | 2.4 |
| 8/8/2020 7:48 PM | -0.3 | 3.3 | -0.6 | 1.5 | 2.4 |
| 8/8/2020 7:54 PM | -0.3 | 3.2 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 8:00 PM | -0.3 | 3.1 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 8:06 PM | -0.3 | 3.2 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 8:12 PM | -0.3 | 3.1 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 8:18 PM | -0.3 | 3.1 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 8:24 PM | -0.3 | 3.2 | -0.6 | 1.6 | 2.5 |
| 8/8/2020 8:30 PM | -0.3 | 3.2 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 8:36 PM | -0.3 | 3.0 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 8:42 PM | -0.3 | 2.7 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 8:48 PM | -0.3 | 2.7 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 8:54 PM | -0.3 | 3.0 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 9:00 PM | -0.3 | 2.6 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 9:06 PM | -0.3 | 2.8 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 9:12 PM | -0.3 | 3.0 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 9:18 PM | -0.3 | 2.8 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 9:24 PM | -0.3 | 2.9 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 9:30 PM | -0.3 | 3.1 | -0.6 | 1.5 | 2.5 |
| 8/8/2020 9:36 PM | -0.3 | 2.6 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 9:42 PM | -0.3 | 2.3 | -0.6 | 1.4 | 2.5 |
| 8/8/2020 9:48 PM | -0.3 | 2.5 | -0.6 | 1.3 | 2.5 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 8/8/2020 9:54 PM  | -0.3 | 2.7 | -0.6 | 1.0  | 2.6 |
| 8/8/2020 10:00 PM | -0.3 | 2.8 | -0.6 | 1.1  | 2.6 |
| 8/8/2020 10:06 PM | -0.3 | 2.8 | -0.6 | 1.1  | 2.6 |
| 8/8/2020 10:12 PM | -0.3 | 2.8 | -0.6 | 1.1  | 2.6 |
| 8/8/2020 10:18 PM | -0.3 | 2.8 | -0.6 | 1.2  | 2.6 |
| 8/8/2020 10:24 PM | -0.3 | 2.8 | -0.6 | 1.5  | 2.6 |
| 8/8/2020 10:30 PM | -0.3 | 2.9 | -0.6 | 1.6  | 2.7 |
| 8/8/2020 10:36 PM | -0.3 | 2.8 | -0.6 | 1.5  | 2.7 |
| 8/8/2020 10:42 PM | -0.2 | 2.9 | -0.6 | 1.5  | 2.7 |
| 8/8/2020 10:48 PM | -0.2 | 2.9 | -0.6 | 1.5  | 2.7 |
| 8/8/2020 10:54 PM | -0.2 | 2.9 | -0.6 | 1.4  | 2.7 |
| 8/8/2020 11:00 PM | -0.2 | 2.9 | -0.6 | 1.2  | 2.7 |
| 8/8/2020 11:06 PM | -0.2 | 2.9 | -0.6 | 1.0  | 2.7 |
| 8/8/2020 11:12 PM | -0.2 | 2.9 | -0.6 | 1.1  | 2.7 |
| 8/8/2020 11:18 PM | -0.2 | 2.9 | -0.6 | 1.1  | 2.8 |
| 8/8/2020 11:24 PM | -0.2 | 2.9 | -0.6 | 0.7  | 4.2 |
| 8/8/2020 11:30 PM | -0.2 | 2.9 | -0.6 | -0.3 | 5.6 |
| 8/8/2020 11:36 PM | -0.2 | 2.8 | -0.6 | -0.6 | 5.1 |
| 8/8/2020 11:42 PM | -0.2 | 2.8 | -0.6 | -0.6 | 4.9 |
| 8/8/2020 11:48 PM | -0.2 | 2.9 | -0.6 | -0.6 | 4.8 |
| 8/8/2020 11:54 PM | -0.2 | 2.9 | -0.6 | -0.6 | 4.8 |
| 8/9/2020 12:00 AM | -0.2 | 2.8 | -0.6 | -0.6 | 4.7 |
| 8/9/2020 12:06 AM | -0.2 | 2.8 | -0.6 | -0.6 | 4.6 |
| 8/9/2020 12:12 AM | -0.2 | 2.8 | -0.6 | -0.6 | 4.6 |
| 8/9/2020 12:18 AM | -0.2 | 2.8 | -0.6 | -0.6 | 4.5 |
| 8/9/2020 12:24 AM | -0.2 | 2.8 | -0.6 | -0.6 | 4.6 |
| 8/9/2020 12:30 AM | -0.2 | 2.8 | -0.6 | -0.6 | 4.7 |
| 8/9/2020 12:36 AM | -0.2 | 2.8 | -0.6 | -0.6 | 5.9 |
| 8/9/2020 12:42 AM | -0.2 | 2.8 | -0.6 | -0.6 | 7.4 |
| 8/9/2020 12:48 AM | -0.2 | 2.8 | -0.6 | -0.6 | 7.0 |
| 8/9/2020 12:54 AM | -0.2 | 2.8 | -0.6 | -0.6 | 6.8 |
| 8/9/2020 1:00 AM  | -0.2 | 2.8 | -0.6 | -0.6 | 6.7 |
| 8/9/2020 1:06 AM  | -0.2 | 2.9 | -0.6 | -0.6 | 6.7 |
| 8/9/2020 1:12 AM  | -0.2 | 2.8 | -0.6 | -0.6 | 6.7 |
| 8/9/2020 1:18 AM  | -0.2 | 2.9 | -0.6 | -0.6 | 6.8 |
| 8/9/2020 1:24 AM  | -0.2 | 2.9 | -0.6 | -0.6 | 6.8 |
| 8/9/2020 1:30 AM  | -0.2 | 2.9 | -0.6 | -0.6 | 6.8 |
| 8/9/2020 1:36 AM  | -0.2 | 2.9 | -0.6 | -0.6 | 7.1 |
| 8/9/2020 1:42 AM  | -0.2 | 2.8 | -0.6 | -0.6 | 7.1 |
| 8/9/2020 1:48 AM  | -0.2 | 2.8 | -0.6 | -0.6 | 6.9 |
| 8/9/2020 1:54 AM  | -0.2 | 2.8 | -0.6 | -0.6 | 6.9 |
| 8/9/2020 2:00 AM  | -0.2 | 2.7 | -0.6 | -0.6 | 6.8 |
| 8/9/2020 2:06 AM  | -0.2 | 2.8 | -0.6 | -0.6 | 6.7 |
| 8/9/2020 2:12 AM  | -0.2 | 2.8 | -0.6 | -0.6 | 6.7 |
| 8/9/2020 2:18 AM  | -0.2 | 2.8 | -0.6 | -0.6 | 6.7 |
| 8/9/2020 2:24 AM  | -0.2 | 2.7 | -0.6 | -0.6 | 6.7 |
| 8/9/2020 2:30 AM  | -0.2 | 2.7 | -0.6 | -0.6 | 6.6 |
| 8/9/2020 2:36 AM  | -0.2 | 2.8 | -0.6 | -0.6 | 6.1 |
| 8/9/2020 2:42 AM  | -0.2 | 2.8 | -0.6 | -0.6 | 4.9 |
| 8/9/2020 2:48 AM  | -0.2 | 2.8 | -0.6 | -0.6 | 4.3 |

|                  |      |     |      |      |     |
|------------------|------|-----|------|------|-----|
| 8/9/2020 2:54 AM | -0.2 | 2.8 | -0.6 | -0.6 | 4.4 |
| 8/9/2020 3:00 AM | -0.2 | 2.8 | -0.6 | -0.6 | 4.4 |
| 8/9/2020 3:06 AM | -0.2 | 2.8 | -0.6 | -0.6 | 4.4 |
| 8/9/2020 3:12 AM | -0.2 | 2.8 | -0.6 | -0.6 | 3.8 |
| 8/9/2020 3:18 AM | -0.2 | 2.7 | -0.6 | -0.6 | 3.2 |
| 8/9/2020 3:24 AM | -0.2 | 2.6 | -0.6 | -0.6 | 3.4 |
| 8/9/2020 3:30 AM | -0.2 | 2.7 | -0.6 | -0.6 | 3.3 |
| 8/9/2020 3:36 AM | -0.2 | 2.8 | -0.6 | -0.6 | 3.3 |
| 8/9/2020 3:42 AM | -0.2 | 2.8 | -0.6 | -0.6 | 3.3 |
| 8/9/2020 3:48 AM | -0.2 | 2.8 | -0.6 | -0.6 | 3.3 |
| 8/9/2020 3:54 AM | -0.2 | 2.8 | -0.6 | -0.6 | 3.2 |
| 8/9/2020 4:00 AM | -0.2 | 2.7 | -0.6 | -0.6 | 3.2 |
| 8/9/2020 4:06 AM | -0.2 | 2.6 | -0.6 | -0.6 | 3.2 |
| 8/9/2020 4:12 AM | -0.2 | 2.6 | -0.6 | -0.6 | 3.2 |
| 8/9/2020 4:18 AM | -0.2 | 2.6 | -0.6 | -0.6 | 3.2 |
| 8/9/2020 4:24 AM | -0.2 | 2.7 | -0.6 | -0.6 | 3.2 |
| 8/9/2020 4:30 AM | -0.2 | 2.7 | -0.6 | -0.6 | 3.3 |
| 8/9/2020 4:36 AM | -0.2 | 2.7 | -0.6 | -0.6 | 3.3 |
| 8/9/2020 4:42 AM | -0.2 | 2.7 | -0.6 | -0.6 | 3.3 |
| 8/9/2020 4:48 AM | -0.2 | 2.8 | -0.6 | -0.6 | 3.4 |
| 8/9/2020 4:54 AM | -0.2 | 2.9 | -0.7 | -0.6 | 3.4 |
| 8/9/2020 5:00 AM | -0.2 | 2.8 | -0.7 | -0.6 | 3.3 |
| 8/9/2020 5:06 AM | -0.2 | 2.8 | -0.7 | -0.6 | 3.3 |
| 8/9/2020 5:12 AM | -0.2 | 2.8 | -0.7 | -0.6 | 3.3 |
| 8/9/2020 5:18 AM | -0.2 | 2.8 | -0.7 | -0.6 | 3.3 |
| 8/9/2020 5:24 AM | -0.2 | 2.9 | -0.7 | -0.6 | 3.3 |
| 8/9/2020 5:30 AM | -0.2 | 2.8 | -0.7 | -0.6 | 3.2 |
| 8/9/2020 5:36 AM | -0.2 | 2.7 | -0.7 | -0.6 | 3.2 |
| 8/9/2020 5:42 AM | -0.2 | 2.6 | -0.7 | -0.6 | 3.3 |
| 8/9/2020 5:48 AM | -0.2 | 2.6 | -0.7 | -0.6 | 3.3 |
| 8/9/2020 5:54 AM | -0.2 | 2.6 | -0.7 | -0.6 | 3.2 |
| 8/9/2020 6:00 AM | -0.2 | 3.0 | -0.7 | -0.6 | 3.2 |
| 8/9/2020 6:06 AM | -0.2 | 3.5 | -0.8 | -0.6 | 3.2 |
| 8/9/2020 6:12 AM | -0.2 | 3.6 | -0.9 | -0.6 | 3.2 |
| 8/9/2020 6:18 AM | -0.2 | 3.8 | -1.0 | -0.6 | 3.2 |
| 8/9/2020 6:24 AM | -0.2 | 3.8 | -0.9 | -0.6 | 3.2 |
| 8/9/2020 6:30 AM | -0.2 | 3.6 | -0.9 | -0.6 | 3.2 |
| 8/9/2020 6:36 AM | -0.2 | 3.5 | -0.9 | -0.6 | 3.3 |
| 8/9/2020 6:42 AM | -0.2 | 3.2 | -0.9 | -0.6 | 3.3 |
| 8/9/2020 6:48 AM | -0.2 | 3.2 | -0.9 | -0.6 | 3.3 |
| 8/9/2020 6:54 AM | -0.2 | 3.3 | -0.9 | -0.6 | 3.3 |
| 8/9/2020 7:00 AM | -0.2 | 3.2 | -0.8 | -0.6 | 3.3 |
| 8/9/2020 7:06 AM | -0.2 | 3.2 | -0.9 | -0.6 | 3.3 |
| 8/9/2020 7:12 AM | -0.2 | 3.2 | -0.9 | -0.6 | 3.3 |
| 8/9/2020 7:18 AM | -0.2 | 3.4 | -0.9 | -0.6 | 3.2 |
| 8/9/2020 7:24 AM | -0.2 | 3.6 | -0.9 | -0.6 | 3.2 |
| 8/9/2020 7:30 AM | -0.2 | 3.7 | -1.0 | -0.6 | 3.2 |
| 8/9/2020 7:36 AM | -0.2 | 3.6 | -1.0 | -0.6 | 3.2 |
| 8/9/2020 7:42 AM | -0.2 | 3.6 | -1.0 | -0.6 | 3.3 |
| 8/9/2020 7:48 AM | -0.2 | 3.4 | -1.0 | -0.6 | 4.2 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 8/9/2020 7:54 AM  | -0.2 | 3.3 | -1.0 | -0.6 | 5.8 |
| 8/9/2020 8:00 AM  | -0.2 | 3.2 | -1.1 | -0.6 | 6.0 |
| 8/9/2020 8:06 AM  | -0.2 | 3.2 | -1.1 | -0.6 | 5.9 |
| 8/9/2020 8:12 AM  | -0.2 | 3.4 | -1.1 | -0.6 | 6.0 |
| 8/9/2020 8:18 AM  | -0.2 | 3.4 | -1.1 | -0.6 | 5.8 |
| 8/9/2020 8:24 AM  | -0.1 | 3.2 | -1.0 | -0.7 | 5.6 |
| 8/9/2020 8:30 AM  | -0.1 | 3.1 | -0.9 | -0.7 | 5.6 |
| 8/9/2020 8:36 AM  | -0.1 | 3.2 | -0.9 | 2.7  | 5.6 |
| 8/9/2020 8:42 AM  | -0.1 | 3.2 | -0.7 | 11.1 | 3.8 |
| 8/9/2020 8:48 AM  | -0.1 | 3.3 | -0.6 | 11.3 | 2.1 |
| 8/9/2020 8:54 AM  | -0.1 | 3.2 | -0.5 | 6.5  | 2.3 |
| 8/9/2020 9:00 AM  | -0.1 | 3.0 | -0.4 | 3.9  | 2.4 |
| 8/9/2020 9:06 AM  | -0.1 | 2.8 | -0.4 | 3.1  | 2.3 |
| 8/9/2020 9:12 AM  | -0.1 | 2.5 | -0.3 | 2.8  | 2.3 |
| 8/9/2020 9:18 AM  | -0.1 | 1.8 | -0.2 | 2.5  | 2.3 |
| 8/9/2020 9:24 AM  | -0.1 | 1.4 | -0.2 | 2.5  | 2.2 |
| 8/9/2020 9:30 AM  | -0.1 | 1.1 | -0.1 | 2.1  | 2.2 |
| 8/9/2020 9:36 AM  | -0.1 | 1.2 | -0.1 | 2.0  | 2.4 |
| 8/9/2020 9:42 AM  | -0.1 | 1.1 | -0.1 | 2.3  | 2.4 |
| 8/9/2020 9:48 AM  | -0.1 | 0.8 | 0.0  | 2.1  | 2.4 |
| 8/9/2020 9:54 AM  | -0.1 | 0.7 | 0.0  | 1.9  | 2.5 |
| 8/9/2020 10:00 AM | -0.1 | 0.6 | 0.0  | 1.7  | 2.5 |
| 8/9/2020 10:06 AM | -0.1 | 0.6 | 0.0  | 1.5  | 2.6 |
| 8/9/2020 10:12 AM | -0.1 | 0.6 | 0.0  | 1.4  | 2.6 |
| 8/9/2020 10:18 AM | -0.1 | 0.6 | 0.0  | 1.8  | 2.6 |
| 8/9/2020 10:24 AM | -0.1 | 0.5 | 0.0  | 2.8  | 2.6 |
| 8/9/2020 10:30 AM | -0.1 | 0.2 | 0.0  | 2.9  | 2.6 |
| 8/9/2020 10:36 AM | -0.1 | 0.4 | 0.0  | 2.6  | 2.6 |
| 8/9/2020 10:42 AM | -0.1 | 0.8 | 0.0  | 2.5  | 2.7 |
| 8/9/2020 10:48 AM | -0.1 | 0.9 | 0.0  | 2.3  | 2.6 |
| 8/9/2020 10:54 AM | -0.1 | 0.8 | 0.0  | 2.1  | 2.6 |
| 8/9/2020 11:00 AM | -0.1 | 0.8 | -0.1 | 2.0  | 2.7 |
| 8/9/2020 11:06 AM | -0.1 | 0.9 | -0.1 | 1.9  | 2.7 |
| 8/9/2020 11:12 AM | -0.1 | 0.7 | 0.0  | 1.9  | 2.7 |
| 8/9/2020 11:18 AM | -0.1 | 0.7 | -0.1 | 2.2  | 2.7 |
| 8/9/2020 11:24 AM | -0.1 | 0.9 | -0.1 | 3.0  | 2.6 |
| 8/9/2020 11:30 AM | -0.1 | 0.9 | -0.1 | 3.1  | 2.6 |
| 8/9/2020 11:36 AM | -0.1 | 0.9 | -0.1 | 2.8  | 2.5 |
| 8/9/2020 11:42 AM | -0.1 | 0.9 | -0.1 | 2.7  | 2.6 |
| 8/9/2020 11:48 AM | -0.1 | 0.6 | -0.1 | 2.5  | 2.6 |
| 8/9/2020 11:54 AM | -0.1 | 0.6 | -0.1 | 2.5  | 2.6 |
| 8/9/2020 12:00 PM | -0.1 | 0.7 | -0.1 | 2.4  | 2.5 |
| 8/9/2020 12:06 PM | -0.1 | 0.8 | 0.0  | 2.3  | 2.6 |
| 8/9/2020 12:12 PM | -0.1 | 0.8 | 0.0  | 2.3  | 2.6 |
| 8/9/2020 12:18 PM | -0.1 | 0.8 | -0.1 | 2.2  | 2.6 |
| 8/9/2020 12:24 PM | -0.1 | 0.5 | -0.1 | 2.2  | 2.6 |
| 8/9/2020 12:30 PM | -0.1 | 0.5 | -0.1 | 2.3  | 2.6 |
| 8/9/2020 12:36 PM | -0.1 | 0.8 | -0.2 | 2.2  | 2.6 |
| 8/9/2020 12:42 PM | -0.1 | 0.9 | -0.2 | 2.1  | 2.6 |
| 8/9/2020 12:48 PM | -0.1 | 1.1 | -0.3 | 2.1  | 2.6 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/9/2020 12:54 PM | -0.1 | 1.1 | -0.3 | 2.1 | 2.6 |
| 8/9/2020 1:00 PM  | -0.1 | 1.2 | -0.3 | 2.1 | 2.6 |
| 8/9/2020 1:06 PM  | -0.1 | 1.2 | -0.2 | 2.1 | 2.6 |
| 8/9/2020 1:12 PM  | -0.1 | 1.1 | -0.2 | 2.0 | 2.6 |
| 8/9/2020 1:18 PM  | -0.1 | 0.9 | -0.1 | 1.9 | 2.6 |
| 8/9/2020 1:24 PM  | -0.1 | 0.5 | 0.0  | 2.0 | 2.6 |
| 8/9/2020 1:30 PM  | -0.1 | 0.7 | 0.0  | 2.0 | 2.6 |
| 8/9/2020 1:36 PM  | -0.1 | 0.9 | -0.1 | 2.0 | 2.6 |
| 8/9/2020 1:42 PM  | -0.1 | 0.9 | -0.2 | 1.9 | 2.6 |
| 8/9/2020 1:48 PM  | -0.1 | 1.1 | -0.3 | 2.0 | 2.6 |
| 8/9/2020 1:54 PM  | -0.1 | 1.2 | -0.3 | 2.0 | 2.6 |
| 8/9/2020 2:00 PM  | -0.1 | 1.3 | -0.4 | 2.0 | 2.6 |
| 8/9/2020 2:06 PM  | -0.1 | 1.1 | -0.4 | 2.0 | 2.6 |
| 8/9/2020 2:12 PM  | -0.1 | 1.2 | -0.4 | 1.9 | 2.6 |
| 8/9/2020 2:18 PM  | -0.1 | 1.4 | -0.4 | 1.9 | 2.6 |
| 8/9/2020 2:24 PM  | -0.1 | 1.4 | -0.4 | 1.8 | 2.6 |
| 8/9/2020 2:30 PM  | -0.1 | 1.2 | -0.3 | 1.7 | 2.7 |
| 8/9/2020 2:36 PM  | -0.1 | 1.2 | -0.3 | 1.7 | 2.7 |
| 8/9/2020 2:42 PM  | -0.1 | 1.0 | -0.3 | 1.7 | 2.6 |
| 8/9/2020 2:48 PM  | -0.1 | 0.7 | -0.3 | 1.7 | 2.6 |
| 8/9/2020 2:54 PM  | -0.1 | 0.5 | -0.3 | 1.7 | 2.7 |
| 8/9/2020 3:00 PM  | -0.1 | 0.9 | -0.4 | 1.6 | 2.6 |
| 8/9/2020 3:06 PM  | -0.1 | 1.4 | -0.5 | 1.7 | 2.6 |
| 8/9/2020 3:12 PM  | -0.1 | 1.5 | -0.5 | 1.8 | 2.6 |
| 8/9/2020 3:18 PM  | -0.1 | 1.7 | -0.5 | 1.8 | 2.6 |
| 8/9/2020 3:24 PM  | -0.1 | 2.0 | -0.5 | 1.8 | 2.6 |
| 8/9/2020 3:30 PM  | -0.1 | 2.0 | -0.5 | 1.7 | 2.5 |
| 8/9/2020 3:36 PM  | -0.1 | 2.1 | -0.5 | 1.8 | 2.5 |
| 8/9/2020 3:42 PM  | -0.1 | 2.1 | -0.5 | 1.8 | 2.5 |
| 8/9/2020 3:48 PM  | -0.1 | 2.1 | -0.5 | 1.8 | 2.5 |
| 8/9/2020 3:54 PM  | -0.1 | 2.0 | -0.5 | 1.7 | 2.4 |
| 8/9/2020 4:00 PM  | -0.1 | 1.9 | -0.5 | 1.7 | 2.4 |
| 8/9/2020 4:06 PM  | -0.1 | 1.7 | -0.5 | 1.8 | 2.5 |
| 8/9/2020 4:12 PM  | -0.1 | 1.6 | -0.5 | 1.7 | 2.5 |
| 8/9/2020 4:18 PM  | -0.1 | 1.5 | -0.5 | 1.7 | 2.5 |
| 8/9/2020 4:24 PM  | -0.1 | 1.4 | -0.5 | 1.7 | 2.5 |
| 8/9/2020 4:30 PM  | -0.1 | 1.4 | -0.6 | 1.7 | 2.4 |
| 8/9/2020 4:36 PM  | -0.1 | 1.2 | -0.6 | 1.7 | 2.4 |
| 8/9/2020 4:42 PM  | -0.1 | 1.0 | -0.6 | 1.6 | 2.4 |
| 8/9/2020 4:48 PM  | -0.1 | 1.0 | -0.6 | 1.6 | 2.4 |
| 8/9/2020 4:54 PM  | -0.1 | 0.9 | -0.6 | 1.6 | 2.4 |
| 8/9/2020 5:00 PM  | -0.2 | 0.9 | -0.6 | 1.6 | 2.5 |
| 8/9/2020 5:06 PM  | -0.2 | 1.2 | -0.6 | 1.6 | 2.6 |
| 8/9/2020 5:12 PM  | -0.2 | 1.2 | -0.6 | 1.6 | 2.6 |
| 8/9/2020 5:18 PM  | -0.2 | 1.4 | -0.6 | 1.6 | 2.5 |
| 8/9/2020 5:24 PM  | -0.2 | 1.6 | -0.6 | 1.7 | 2.4 |
| 8/9/2020 5:30 PM  | -0.2 | 1.6 | -0.6 | 1.7 | 2.4 |
| 8/9/2020 5:36 PM  | -0.2 | 1.6 | -0.6 | 1.7 | 2.4 |
| 8/9/2020 5:42 PM  | -0.2 | 1.5 | -0.6 | 1.7 | 2.5 |
| 8/9/2020 5:48 PM  | -0.2 | 1.4 | -0.6 | 1.7 | 2.5 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/9/2020 5:54 PM  | -0.2 | 1.5 | -0.6 | 1.7 | 2.5 |
| 8/9/2020 6:00 PM  | -0.2 | 1.7 | -0.6 | 1.7 | 2.5 |
| 8/9/2020 6:06 PM  | -0.2 | 1.9 | -0.6 | 1.7 | 2.5 |
| 8/9/2020 6:12 PM  | -0.2 | 1.9 | -0.6 | 1.7 | 2.5 |
| 8/9/2020 6:18 PM  | -0.2 | 1.9 | -0.6 | 1.7 | 2.5 |
| 8/9/2020 6:24 PM  | -0.2 | 2.0 | -0.6 | 1.7 | 2.5 |
| 8/9/2020 6:30 PM  | -0.2 | 2.1 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 6:36 PM  | -0.2 | 2.2 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 6:42 PM  | -0.2 | 2.5 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 6:48 PM  | -0.2 | 2.6 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 6:54 PM  | -0.2 | 3.0 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 7:00 PM  | -0.2 | 3.1 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 7:06 PM  | -0.2 | 3.1 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 7:12 PM  | -0.2 | 3.1 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 7:18 PM  | -0.2 | 3.1 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 7:24 PM  | -0.2 | 3.1 | -0.6 | 1.9 | 2.5 |
| 8/9/2020 7:30 PM  | -0.2 | 3.3 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 7:36 PM  | -0.2 | 3.5 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 7:42 PM  | -0.2 | 3.5 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 7:48 PM  | -0.2 | 3.5 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 7:54 PM  | -0.2 | 3.3 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 8:00 PM  | -0.2 | 2.9 | -0.6 | 1.9 | 2.3 |
| 8/9/2020 8:06 PM  | -0.2 | 3.2 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 8:12 PM  | -0.2 | 3.4 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 8:18 PM  | -0.2 | 3.3 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 8:24 PM  | -0.2 | 3.4 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 8:30 PM  | -0.2 | 3.6 | -0.6 | 1.8 | 2.5 |
| 8/9/2020 8:36 PM  | -0.2 | 3.6 | -0.6 | 1.8 | 2.5 |
| 8/9/2020 8:42 PM  | -0.2 | 3.6 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 8:48 PM  | -0.2 | 3.6 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 8:54 PM  | -0.2 | 3.8 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 9:00 PM  | -0.2 | 3.8 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 9:06 PM  | -0.2 | 3.7 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 9:12 PM  | -0.2 | 3.7 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 9:18 PM  | -0.2 | 3.7 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 9:24 PM  | -0.2 | 3.7 | -0.6 | 2.0 | 2.5 |
| 8/9/2020 9:30 PM  | -0.2 | 3.7 | -0.6 | 1.9 | 2.5 |
| 8/9/2020 9:36 PM  | -0.2 | 3.6 | -0.6 | 1.8 | 2.5 |
| 8/9/2020 9:42 PM  | -0.2 | 3.6 | -0.6 | 1.9 | 2.5 |
| 8/9/2020 9:48 PM  | -0.2 | 3.7 | -0.6 | 1.8 | 2.5 |
| 8/9/2020 9:54 PM  | -0.2 | 3.6 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 10:00 PM | -0.2 | 3.6 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 10:06 PM | -0.2 | 3.7 | -0.6 | 1.8 | 2.4 |
| 8/9/2020 10:12 PM | -0.2 | 3.7 | -0.6 | 1.7 | 2.4 |
| 8/9/2020 10:18 PM | -0.2 | 3.6 | -0.6 | 1.7 | 2.3 |
| 8/9/2020 10:24 PM | -0.2 | 3.6 | -0.6 | 1.8 | 2.3 |
| 8/9/2020 10:30 PM | -0.2 | 3.6 | -0.6 | 1.8 | 2.3 |
| 8/9/2020 10:36 PM | -0.2 | 3.6 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 10:42 PM | -0.2 | 3.4 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 10:48 PM | -0.2 | 3.4 | -0.6 | 1.9 | 2.4 |



|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 8/9/2020 10:54 PM  | -0.2 | 3.6 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 11:00 PM  | -0.2 | 3.6 | -0.6 | 1.9 | 2.4 |
| 8/9/2020 11:06 PM  | -0.2 | 3.3 | -0.6 | 3.5 | 1.7 |
| 8/9/2020 11:12 PM  | -0.2 | 3.3 | -0.6 | 5.1 | 0.5 |
| 8/9/2020 11:18 PM  | -0.2 | 3.6 | -0.6 | 4.6 | 0.1 |
| 8/9/2020 11:24 PM  | -0.2 | 3.6 | -0.6 | 4.5 | 0.1 |
| 8/9/2020 11:30 PM  | -0.2 | 3.5 | -0.6 | 4.5 | 0.1 |
| 8/9/2020 11:36 PM  | -0.2 | 3.4 | -0.6 | 4.5 | 0.1 |
| 8/9/2020 11:42 PM  | -0.2 | 3.4 | -0.6 | 4.4 | 0.1 |
| 8/9/2020 11:48 PM  | -0.2 | 3.5 | -0.6 | 4.3 | 0.0 |
| 8/9/2020 11:54 PM  | -0.2 | 3.5 | -0.6 | 4.4 | 0.0 |
| 8/10/2020 12:00 AM | -0.2 | 3.5 | -0.6 | 4.3 | 0.1 |
| 8/10/2020 12:06 AM | -0.2 | 3.5 | -0.6 | 4.1 | 0.0 |
| 8/10/2020 12:12 AM | -0.2 | 3.4 | -0.6 | 4.0 | 0.1 |
| 8/10/2020 12:18 AM | -0.2 | 3.4 | -0.6 | 3.8 | 0.1 |
| 8/10/2020 12:24 AM | -0.2 | 3.4 | -0.6 | 3.8 | 0.0 |
| 8/10/2020 12:30 AM | -0.2 | 3.4 | -0.6 | 3.8 | 0.1 |
| 8/10/2020 12:36 AM | -0.2 | 3.4 | -0.6 | 3.9 | 0.0 |
| 8/10/2020 12:42 AM | -0.2 | 3.1 | -0.6 | 3.9 | 0.1 |
| 8/10/2020 12:48 AM | -0.2 | 3.0 | -0.6 | 3.8 | 0.1 |
| 8/10/2020 12:54 AM | -0.2 | 3.3 | -0.6 | 3.9 | 0.0 |
| 8/10/2020 1:00 AM  | -0.2 | 3.3 | -0.6 | 4.1 | 0.0 |
| 8/10/2020 1:06 AM  | -0.2 | 3.4 | -0.6 | 4.0 | 0.1 |
| 8/10/2020 1:12 AM  | -0.2 | 3.4 | -0.6 | 4.0 | 0.1 |
| 8/10/2020 1:18 AM  | -0.2 | 3.4 | -0.6 | 4.0 | 0.1 |
| 8/10/2020 1:24 AM  | -0.2 | 3.4 | -0.6 | 4.0 | 0.1 |
| 8/10/2020 1:30 AM  | -0.2 | 3.4 | -0.6 | 3.9 | 0.0 |
| 8/10/2020 1:36 AM  | -0.2 | 3.4 | -0.6 | 3.9 | 0.0 |
| 8/10/2020 1:42 AM  | -0.2 | 3.3 | -0.6 | 4.2 | 0.0 |
| 8/10/2020 1:48 AM  | -0.2 | 3.3 | -0.6 | 4.3 | 0.0 |
| 8/10/2020 1:54 AM  | -0.2 | 3.3 | -0.6 | 4.4 | 0.1 |
| 8/10/2020 2:00 AM  | -0.2 | 3.3 | -0.6 | 4.2 | 0.1 |
| 8/10/2020 2:06 AM  | -0.2 | 3.3 | -0.6 | 4.1 | 0.0 |
| 8/10/2020 2:12 AM  | -0.2 | 3.3 | -0.6 | 4.0 | 0.0 |
| 8/10/2020 2:18 AM  | -0.2 | 3.3 | -0.6 | 4.1 | 0.1 |
| 8/10/2020 2:24 AM  | -0.2 | 3.3 | -0.6 | 4.1 | 0.1 |
| 8/10/2020 2:30 AM  | -0.2 | 3.3 | -0.6 | 4.1 | 0.1 |
| 8/10/2020 2:36 AM  | -0.2 | 3.3 | -0.6 | 4.1 | 0.1 |
| 8/10/2020 2:42 AM  | -0.2 | 2.9 | -0.6 | 3.9 | 0.1 |
| 8/10/2020 2:48 AM  | -0.2 | 3.0 | -0.6 | 3.7 | 0.0 |
| 8/10/2020 2:54 AM  | -0.2 | 3.2 | -0.6 | 3.6 | 0.0 |
| 8/10/2020 3:00 AM  | -0.2 | 3.1 | -0.6 | 5.3 | 0.1 |
| 8/10/2020 3:06 AM  | -0.2 | 3.2 | -0.6 | 7.8 | 0.1 |
| 8/10/2020 3:12 AM  | -0.2 | 2.9 | -0.6 | 7.7 | 0.1 |
| 8/10/2020 3:18 AM  | -0.2 | 2.6 | -0.6 | 7.8 | 0.0 |
| 8/10/2020 3:24 AM  | -0.2 | 3.0 | -0.6 | 7.8 | 0.0 |
| 8/10/2020 3:30 AM  | -0.2 | 3.1 | -0.6 | 7.5 | 0.1 |
| 8/10/2020 3:36 AM  | -0.2 | 3.3 | -0.6 | 7.7 | 0.1 |
| 8/10/2020 3:42 AM  | -0.2 | 3.1 | -0.6 | 7.5 | 0.1 |
| 8/10/2020 3:48 AM  | -0.2 | 3.1 | -0.6 | 7.4 | 0.0 |



|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 8/10/2020 3:54 AM | -0.2 | 3.3 | -0.6 | 7.8  | 0.1 |
| 8/10/2020 4:00 AM | -0.2 | 3.4 | -0.6 | 7.7  | 0.1 |
| 8/10/2020 4:06 AM | -0.2 | 3.4 | -0.6 | 7.4  | 0.1 |
| 8/10/2020 4:12 AM | -0.2 | 3.3 | -0.6 | 7.1  | 0.1 |
| 8/10/2020 4:18 AM | -0.2 | 3.3 | -0.6 | 7.0  | 0.1 |
| 8/10/2020 4:24 AM | -0.2 | 3.4 | -0.6 | 7.0  | 0.1 |
| 8/10/2020 4:30 AM | -0.2 | 3.3 | -0.6 | 6.9  | 0.1 |
| 8/10/2020 4:36 AM | -0.2 | 3.3 | -0.6 | 6.5  | 0.1 |
| 8/10/2020 4:42 AM | -0.2 | 3.4 | -0.6 | 6.4  | 0.1 |
| 8/10/2020 4:48 AM | -0.2 | 3.4 | -0.6 | 6.7  | 0.1 |
| 8/10/2020 4:54 AM | -0.2 | 3.4 | -0.6 | 6.7  | 0.1 |
| 8/10/2020 5:00 AM | -0.2 | 3.5 | -0.6 | 6.6  | 0.1 |
| 8/10/2020 5:06 AM | -0.2 | 3.5 | -0.6 | 6.5  | 0.1 |
| 8/10/2020 5:12 AM | -0.2 | 3.2 | -0.6 | 6.5  | 0.1 |
| 8/10/2020 5:18 AM | -0.2 | 3.3 | -0.6 | 6.6  | 0.1 |
| 8/10/2020 5:24 AM | -0.2 | 3.6 | -0.6 | 6.7  | 0.1 |
| 8/10/2020 5:30 AM | -0.2 | 3.9 | -0.7 | 6.9  | 0.1 |
| 8/10/2020 5:36 AM | -0.2 | 4.1 | -0.8 | 7.2  | 0.1 |
| 8/10/2020 5:42 AM | -0.2 | 4.3 | -0.8 | 7.4  | 0.1 |
| 8/10/2020 5:48 AM | -0.2 | 4.3 | -0.9 | 7.4  | 0.1 |
| 8/10/2020 5:54 AM | -0.2 | 4.4 | -1.0 | 7.2  | 0.1 |
| 8/10/2020 6:00 AM | -0.2 | 4.5 | -1.0 | 8.1  | 0.1 |
| 8/10/2020 6:06 AM | -0.2 | 4.6 | -1.0 | 8.8  | 0.1 |
| 8/10/2020 6:12 AM | -0.2 | 4.6 | -1.0 | 8.3  | 0.1 |
| 8/10/2020 6:18 AM | -0.2 | 4.5 | -1.0 | 8.6  | 0.1 |
| 8/10/2020 6:24 AM | -0.2 | 4.6 | -1.0 | 8.8  | 0.1 |
| 8/10/2020 6:30 AM | -0.2 | 4.7 | -1.0 | 9.2  | 0.1 |
| 8/10/2020 6:36 AM | -0.2 | 4.5 | -1.0 | 9.3  | 0.1 |
| 8/10/2020 6:42 AM | -0.2 | 4.4 | -1.0 | 9.2  | 0.1 |
| 8/10/2020 6:48 AM | -0.2 | 4.3 | -1.0 | 9.3  | 0.1 |
| 8/10/2020 6:54 AM | -0.2 | 4.2 | -1.0 | 9.2  | 0.1 |
| 8/10/2020 7:00 AM | -0.2 | 4.1 | -1.0 | 9.3  | 0.1 |
| 8/10/2020 7:06 AM | -0.2 | 3.9 | -1.0 | 9.4  | 0.1 |
| 8/10/2020 7:12 AM | -0.2 | 3.8 | -1.0 | 9.6  | 0.1 |
| 8/10/2020 7:18 AM | -0.2 | 3.7 | -1.0 | 9.8  | 0.1 |
| 8/10/2020 7:24 AM | -0.2 | 3.6 | -1.0 | 9.7  | 0.1 |
| 8/10/2020 7:30 AM | -0.2 | 3.6 | -1.0 | 9.8  | 0.0 |
| 8/10/2020 7:36 AM | -0.2 | 3.5 | -1.0 | 10.0 | 0.1 |
| 8/10/2020 7:42 AM | -0.2 | 3.3 | -1.0 | 9.9  | 0.1 |
| 8/10/2020 7:48 AM | -0.2 | 3.2 | -1.0 | 9.9  | 0.1 |
| 8/10/2020 7:54 AM | -0.2 | 3.2 | -1.0 | 9.8  | 0.1 |
| 8/10/2020 8:00 AM | -0.2 | 3.0 | -1.0 | 9.7  | 0.1 |
| 8/10/2020 8:06 AM | -0.2 | 3.2 | -1.0 | 9.4  | 0.1 |
| 8/10/2020 8:12 AM | -0.2 | 3.2 | -1.0 | 9.5  | 0.1 |
| 8/10/2020 8:18 AM | -0.1 | 3.2 | -0.9 | 10.2 | 0.1 |
| 8/10/2020 8:24 AM | -0.1 | 3.2 | -0.8 | 10.2 | 0.1 |
| 8/10/2020 8:30 AM | -0.1 | 3.1 | -0.6 | 9.9  | 0.0 |
| 8/10/2020 8:36 AM | -0.1 | 2.5 | -0.5 | 10.0 | 0.0 |
| 8/10/2020 8:42 AM | -0.1 | 2.6 | -0.3 | 10.3 | 0.1 |
| 8/10/2020 8:48 AM | -0.1 | 3.0 | -0.1 | 10.4 | 0.1 |

|                    |      |     |      |      |      |
|--------------------|------|-----|------|------|------|
| 8/10/2020 8:54 AM  | -0.1 | 3.0 | 0.0  | 10.3 | 0.1  |
| 8/10/2020 9:00 AM  | -0.1 | 2.6 | 0.1  | 9.9  | 0.1  |
| 8/10/2020 9:06 AM  | -0.1 | 2.3 | 0.2  | 8.1  | 8.0  |
| 8/10/2020 9:12 AM  | -0.1 | 2.1 | 0.2  | 3.6  | 13.0 |
| 8/10/2020 9:18 AM  | -0.1 | 1.6 | 0.2  | 1.5  | 8.7  |
| 8/10/2020 9:24 AM  | -0.1 | 1.2 | 0.2  | 1.6  | 7.4  |
| 8/10/2020 9:30 AM  | 0.0  | 0.9 | 0.2  | 1.7  | 7.2  |
| 8/10/2020 9:36 AM  | 0.0  | 0.9 | 0.2  | 2.4  | 6.7  |
| 8/10/2020 9:42 AM  | 0.0  | 0.9 | 0.1  | 3.4  | 5.8  |
| 8/10/2020 9:48 AM  | 0.0  | 0.9 | 0.1  | 3.4  | 5.0  |
| 8/10/2020 9:54 AM  | -0.1 | 0.8 | 0.1  | 3.4  | 4.5  |
| 8/10/2020 10:00 AM | 10.4 | 0.7 | 0.1  | 3.3  | 4.0  |
| 8/10/2020 10:06 AM | 27.7 | 0.6 | 0.1  | 2.9  | 4.0  |
| 8/10/2020 10:12 AM | 22.1 | 0.6 | 0.1  | 1.7  | 4.5  |
| 8/10/2020 10:18 AM | 8.9  | 0.5 | 0.1  | 1.5  | 4.4  |
| 8/10/2020 10:24 AM | 3.8  | 0.4 | 0.1  | 1.8  | 4.0  |
| 8/10/2020 10:30 AM | 4.3  | 0.4 | 0.1  | 1.8  | 3.8  |
| 8/10/2020 10:36 AM | 4.4  | 0.5 | 0.1  | 1.8  | 3.7  |
| 8/10/2020 10:42 AM | 4.2  | 0.6 | 0.1  | 1.8  | 3.7  |
| 8/10/2020 10:48 AM | 3.7  | 0.6 | 0.1  | 1.9  | 3.7  |
| 8/10/2020 10:54 AM | 3.3  | 0.6 | 0.2  | 1.8  | 3.6  |
| 8/10/2020 11:00 AM | 2.7  | 0.6 | 0.1  | 1.7  | 3.6  |
| 8/10/2020 11:06 AM | 2.1  | 0.6 | 0.0  | 1.7  | 3.6  |
| 8/10/2020 11:12 AM | 1.6  | 0.6 | 0.0  | 1.8  | 3.5  |
| 8/10/2020 11:18 AM | 1.3  | 0.7 | 0.0  | 1.7  | 3.4  |
| 8/10/2020 11:24 AM | 1.1  | 0.7 | 0.0  | 1.7  | 3.4  |
| 8/10/2020 11:30 AM | 0.8  | 0.6 | 0.0  | 1.6  | 3.4  |
| 8/10/2020 11:36 AM | 0.6  | 0.6 | 0.1  | 1.6  | 3.4  |
| 8/10/2020 11:42 AM | 0.4  | 0.5 | 0.1  | 1.7  | 3.3  |
| 8/10/2020 11:48 AM | 0.3  | 0.4 | 0.1  | 1.8  | 3.3  |
| 8/10/2020 11:54 AM | 0.2  | 0.4 | 0.1  | 1.8  | 3.3  |
| 8/10/2020 12:00 PM | 0.1  | 0.6 | 0.2  | 1.9  | 3.4  |
| 8/10/2020 12:06 PM | 0.1  | 0.8 | 0.1  | 2.0  | 3.4  |
| 8/10/2020 12:12 PM | 0.1  | 0.8 | 0.1  | 2.0  | 3.4  |
| 8/10/2020 12:18 PM | 0.0  | 0.7 | 0.1  | 2.0  | 3.5  |
| 8/10/2020 12:24 PM | 0.0  | 0.6 | 0.1  | 1.9  | 3.3  |
| 8/10/2020 12:30 PM | 0.1  | 0.6 | 0.0  | 2.0  | 3.2  |
| 8/10/2020 12:36 PM | 0.1  | 0.7 | 0.0  | 2.0  | 3.3  |
| 8/10/2020 12:42 PM | 0.1  | 0.9 | -0.1 | 2.0  | 3.4  |
| 8/10/2020 12:48 PM | 0.0  | 1.0 | -0.2 | 1.9  | 3.4  |
| 8/10/2020 12:54 PM | 0.0  | 1.1 | -0.2 | 1.9  | 3.3  |
| 8/10/2020 1:00 PM  | 0.0  | 1.3 | -0.2 | 2.0  | 3.2  |
| 8/10/2020 1:06 PM  | 0.0  | 1.3 | -0.2 | 2.0  | 3.3  |
| 8/10/2020 1:12 PM  | 0.0  | 1.2 | -0.1 | 2.1  | 3.2  |
| 8/10/2020 1:18 PM  | 0.0  | 1.1 | 0.0  | 2.1  | 3.3  |
| 8/10/2020 1:24 PM  | 0.0  | 0.9 | 0.1  | 2.0  | 3.2  |
| 8/10/2020 1:30 PM  | 0.0  | 0.9 | 0.1  | 2.0  | 3.2  |
| 8/10/2020 1:36 PM  | 0.0  | 0.9 | 0.0  | 2.0  | 3.3  |
| 8/10/2020 1:42 PM  | 0.0  | 0.9 | -0.1 | 1.9  | 3.3  |
| 8/10/2020 1:48 PM  | 0.0  | 1.0 | -0.2 | 1.9  | 3.3  |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/10/2020 1:54 PM | 0.0  | 1.2 | -0.3 | 1.9 | 3.3 |
| 8/10/2020 2:00 PM | 0.0  | 1.2 | -0.3 | 2.0 | 3.2 |
| 8/10/2020 2:06 PM | 0.0  | 1.3 | -0.3 | 1.9 | 3.0 |
| 8/10/2020 2:12 PM | -0.1 | 1.4 | -0.4 | 1.9 | 3.0 |
| 8/10/2020 2:18 PM | -0.1 | 1.4 | -0.4 | 1.9 | 3.0 |
| 8/10/2020 2:24 PM | -0.1 | 1.4 | -0.3 | 1.9 | 2.9 |
| 8/10/2020 2:30 PM | -0.1 | 1.3 | -0.3 | 2.0 | 2.9 |
| 8/10/2020 2:36 PM | -0.1 | 1.2 | -0.2 | 2.0 | 3.0 |
| 8/10/2020 2:42 PM | -0.1 | 1.1 | -0.2 | 2.0 | 3.0 |
| 8/10/2020 2:48 PM | -0.1 | 1.1 | -0.3 | 2.0 | 3.0 |
| 8/10/2020 2:54 PM | -0.1 | 1.1 | -0.3 | 2.1 | 3.0 |
| 8/10/2020 3:00 PM | -0.1 | 1.2 | -0.4 | 2.0 | 3.1 |
| 8/10/2020 3:06 PM | -0.1 | 1.4 | -0.4 | 1.8 | 3.1 |
| 8/10/2020 3:12 PM | 5.5  | 1.6 | -0.5 | 1.8 | 3.1 |
| 8/10/2020 3:18 PM | 11.2 | 1.8 | -0.5 | 1.8 | 2.2 |
| 8/10/2020 3:24 PM | 10.4 | 1.9 | -0.5 | 1.4 | 0.6 |
| 8/10/2020 3:30 PM | 9.5  | 2.0 | -0.5 | 1.0 | 0.0 |
| 8/10/2020 3:36 PM | 5.9  | 2.1 | -0.5 | 1.0 | 0.0 |
| 8/10/2020 3:42 PM | 3.5  | 2.0 | -0.4 | 1.1 | 0.0 |
| 8/10/2020 3:48 PM | 2.7  | 2.0 | -0.4 | 1.2 | 0.0 |
| 8/10/2020 3:54 PM | 1.8  | 1.9 | -0.4 | 1.2 | 0.0 |
| 8/10/2020 4:00 PM | 1.3  | 1.7 | -0.4 | 1.2 | 0.0 |
| 8/10/2020 4:06 PM | 1.1  | 1.6 | -0.4 | 1.2 | 0.0 |
| 8/10/2020 4:12 PM | 1.0  | 1.4 | -0.4 | 1.2 | 0.0 |
| 8/10/2020 4:18 PM | 1.0  | 1.3 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 4:24 PM | 0.9  | 1.2 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 4:30 PM | 0.9  | 1.2 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 4:36 PM | 0.9  | 1.1 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 4:42 PM | 0.8  | 1.1 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 4:48 PM | 0.8  | 1.1 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 4:54 PM | 0.8  | 1.2 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 5:00 PM | 0.8  | 1.2 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 5:06 PM | 0.7  | 1.2 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 5:12 PM | 0.7  | 1.2 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 5:18 PM | 0.7  | 1.2 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 5:24 PM | 0.7  | 1.2 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 5:30 PM | 0.7  | 1.2 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 5:36 PM | 0.6  | 1.2 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 5:42 PM | 0.6  | 1.3 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 5:48 PM | 0.6  | 1.3 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 5:54 PM | 0.6  | 1.4 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 6:00 PM | 0.6  | 1.5 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 6:06 PM | 0.6  | 1.6 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 6:12 PM | 0.5  | 1.7 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 6:18 PM | 0.5  | 1.9 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 6:24 PM | 0.5  | 2.0 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 6:30 PM | 0.5  | 2.2 | -0.5 | 1.1 | 0.0 |
| 8/10/2020 6:36 PM | 0.5  | 2.4 | -0.5 | 1.1 | 0.0 |
| 8/10/2020 6:42 PM | 0.5  | 2.6 | -0.5 | 1.2 | 0.0 |
| 8/10/2020 6:48 PM | 0.5  | 2.8 | -0.5 | 1.2 | 0.0 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 8/10/2020 6:54 PM  | 0.6 | 3.0 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 7:00 PM  | 0.6 | 3.2 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 7:06 PM  | 0.6 | 3.3 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 7:12 PM  | 0.7 | 3.3 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 7:18 PM  | 0.7 | 3.4 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 7:24 PM  | 0.7 | 3.4 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 7:30 PM  | 0.7 | 3.4 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 7:36 PM  | 0.8 | 3.4 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 7:42 PM  | 0.8 | 3.4 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 7:48 PM  | 0.8 | 3.4 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 7:54 PM  | 0.8 | 3.4 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 8:00 PM  | 0.8 | 3.5 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 8:06 PM  | 0.8 | 3.5 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 8:12 PM  | 0.8 | 3.4 | -0.5 | 1.1  | 0.1 |
| 8/10/2020 8:18 PM  | 0.8 | 3.4 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 8:24 PM  | 0.8 | 3.4 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 8:30 PM  | 0.8 | 3.4 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 8:36 PM  | 0.8 | 3.4 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 8:42 PM  | 0.8 | 3.4 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 8:48 PM  | 0.8 | 3.4 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 8:54 PM  | 0.8 | 3.4 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 9:00 PM  | 0.8 | 3.4 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 9:06 PM  | 0.8 | 3.3 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 9:12 PM  | 0.8 | 3.3 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 9:18 PM  | 0.8 | 3.3 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 9:24 PM  | 0.8 | 3.3 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 9:30 PM  | 0.8 | 3.3 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 9:36 PM  | 0.8 | 3.3 | -0.5 | 1.1  | 0.0 |
| 8/10/2020 9:42 PM  | 0.8 | 3.3 | -0.5 | 1.2  | 0.0 |
| 8/10/2020 9:48 PM  | 0.8 | 3.3 | -0.6 | 1.2  | 0.0 |
| 8/10/2020 9:54 PM  | 0.8 | 3.3 | -0.6 | 1.2  | 0.0 |
| 8/10/2020 10:00 PM | 0.8 | 3.3 | -0.6 | 1.2  | 0.1 |
| 8/10/2020 10:06 PM | 0.8 | 3.3 | -0.6 | 1.2  | 0.0 |
| 8/10/2020 10:12 PM | 0.8 | 3.3 | -0.6 | 1.2  | 0.0 |
| 8/10/2020 10:18 PM | 0.8 | 3.3 | -0.6 | 1.1  | 0.1 |
| 8/10/2020 10:24 PM | 0.8 | 3.3 | -0.6 | 1.1  | 0.1 |
| 8/10/2020 10:30 PM | 0.8 | 3.3 | -0.6 | 1.1  | 0.0 |
| 8/10/2020 10:36 PM | 0.8 | 3.3 | -0.6 | 1.0  | 0.0 |
| 8/10/2020 10:42 PM | 0.8 | 3.3 | -0.6 | 1.1  | 0.1 |
| 8/10/2020 10:48 PM | 0.8 | 3.2 | -0.6 | 1.0  | 0.1 |
| 8/10/2020 10:54 PM | 0.5 | 3.2 | -0.6 | 1.1  | 0.0 |
| 8/10/2020 11:00 PM | 0.3 | 3.2 | -0.6 | 1.1  | 0.1 |
| 8/10/2020 11:06 PM | 0.3 | 3.2 | -0.6 | 1.2  | 0.1 |
| 8/10/2020 11:12 PM | 0.3 | 3.2 | -0.6 | 1.2  | 0.1 |
| 8/10/2020 11:18 PM | 0.3 | 3.2 | -0.6 | 1.0  | 0.1 |
| 8/10/2020 11:24 PM | 0.4 | 3.2 | -0.6 | -0.1 | 0.1 |
| 8/10/2020 11:30 PM | 0.4 | 3.2 | -0.6 | -0.6 | 0.1 |
| 8/10/2020 11:36 PM | 0.4 | 3.2 | -0.6 | -0.6 | 0.1 |
| 8/10/2020 11:42 PM | 0.4 | 3.2 | -0.6 | -0.6 | 0.1 |
| 8/10/2020 11:48 PM | 0.4 | 3.2 | -0.6 | -0.6 | 0.1 |

|                    |     |     |      |      |      |
|--------------------|-----|-----|------|------|------|
| 8/10/2020 11:54 PM | 0.4 | 3.2 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 12:00 AM | 0.5 | 3.2 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 12:06 AM | 0.5 | 3.2 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 12:12 AM | 0.5 | 3.2 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 12:18 AM | 0.5 | 3.1 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 12:24 AM | 0.4 | 3.1 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 12:30 AM | 0.4 | 3.1 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 12:36 AM | 0.4 | 3.1 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 12:42 AM | 0.4 | 3.1 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 12:48 AM | 0.4 | 3.1 | -0.6 | -0.6 | 5.7  |
| 8/11/2020 12:54 AM | 0.4 | 3.1 | -0.6 | -0.6 | 7.7  |
| 8/11/2020 1:00 AM  | 0.4 | 3.1 | -0.6 | -0.6 | 1.4  |
| 8/11/2020 1:06 AM  | 0.5 | 3.1 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 1:12 AM  | 0.6 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 1:18 AM  | 0.7 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 1:24 AM  | 0.6 | 3.0 | -0.6 | -0.6 | 8.1  |
| 8/11/2020 1:30 AM  | 0.5 | 3.0 | -0.6 | -0.6 | 12.9 |
| 8/11/2020 1:36 AM  | 0.4 | 3.0 | -0.6 | -0.6 | 8.5  |
| 8/11/2020 1:42 AM  | 0.4 | 3.0 | -0.6 | -0.6 | 8.1  |
| 8/11/2020 1:48 AM  | 0.4 | 3.0 | -0.6 | -0.5 | 7.0  |
| 8/11/2020 1:54 AM  | 0.3 | 3.0 | -0.6 | -0.6 | 6.0  |
| 8/11/2020 2:00 AM  | 0.2 | 3.0 | -0.6 | -0.6 | 5.1  |
| 8/11/2020 2:06 AM  | 0.2 | 3.0 | -0.6 | -0.6 | 4.3  |
| 8/11/2020 2:12 AM  | 0.3 | 3.0 | -0.6 | -0.6 | 3.7  |
| 8/11/2020 2:18 AM  | 0.3 | 3.0 | -0.6 | -0.6 | 3.4  |
| 8/11/2020 2:24 AM  | 0.3 | 3.0 | -0.6 | -0.6 | 2.3  |
| 8/11/2020 2:30 AM  | 0.4 | 3.0 | -0.6 | -0.6 | 0.4  |
| 8/11/2020 2:36 AM  | 0.4 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 2:42 AM  | 0.4 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 2:48 AM  | 0.4 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 2:54 AM  | 0.5 | 3.0 | -0.6 | -0.5 | 0.1  |
| 8/11/2020 3:00 AM  | 0.6 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 3:06 AM  | 0.5 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 3:12 AM  | 0.5 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 3:18 AM  | 0.5 | 3.0 | -0.6 | -0.5 | 0.1  |
| 8/11/2020 3:24 AM  | 0.4 | 3.0 | -0.6 | -0.5 | 0.1  |
| 8/11/2020 3:30 AM  | 0.3 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 3:36 AM  | 0.4 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 3:42 AM  | 0.4 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 3:48 AM  | 0.4 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 3:54 AM  | 0.4 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 4:00 AM  | 0.3 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 4:06 AM  | 0.3 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 4:12 AM  | 0.3 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 4:18 AM  | 0.3 | 3.0 | -0.6 | -0.6 | 0.1  |
| 8/11/2020 4:24 AM  | 0.3 | 3.0 | -0.5 | -0.6 | 0.1  |
| 8/11/2020 4:30 AM  | 0.3 | 3.0 | -0.5 | -0.6 | 0.1  |
| 8/11/2020 4:36 AM  | 0.3 | 3.0 | -0.5 | -0.6 | 0.1  |
| 8/11/2020 4:42 AM  | 0.3 | 3.0 | -0.5 | -0.6 | 0.1  |
| 8/11/2020 4:48 AM  | 0.3 | 3.0 | -0.5 | -0.6 | 0.1  |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 8/11/2020 4:54 AM | 0.3 | 3.0 | -0.5 | -0.6 | 0.1 |
| 8/11/2020 5:00 AM | 0.3 | 3.0 | -0.5 | -0.6 | 0.1 |
| 8/11/2020 5:06 AM | 0.3 | 3.1 | -0.5 | -0.6 | 0.1 |
| 8/11/2020 5:12 AM | 0.3 | 3.1 | -0.6 | -0.6 | 0.1 |
| 8/11/2020 5:18 AM | 0.3 | 3.1 | -0.6 | -0.6 | 0.1 |
| 8/11/2020 5:24 AM | 0.3 | 3.2 | -0.6 | -0.6 | 0.1 |
| 8/11/2020 5:30 AM | 0.3 | 3.4 | -0.7 | -0.6 | 0.1 |
| 8/11/2020 5:36 AM | 0.3 | 3.7 | -0.7 | -0.6 | 0.1 |
| 8/11/2020 5:42 AM | 0.3 | 3.9 | -0.8 | -0.6 | 0.1 |
| 8/11/2020 5:48 AM | 0.3 | 4.1 | -0.9 | -0.6 | 0.1 |
| 8/11/2020 5:54 AM | 0.3 | 4.1 | -0.9 | -0.6 | 0.1 |
| 8/11/2020 6:00 AM | 0.3 | 4.2 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 6:06 AM | 0.3 | 4.2 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 6:12 AM | 0.4 | 4.2 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 6:18 AM | 0.4 | 4.3 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 6:24 AM | 0.3 | 4.3 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 6:30 AM | 0.3 | 4.3 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 6:36 AM | 0.3 | 4.2 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 6:42 AM | 0.4 | 4.1 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 6:48 AM | 0.4 | 4.1 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 6:54 AM | 0.3 | 4.0 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 7:00 AM | 0.4 | 3.9 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 7:06 AM | 0.4 | 3.8 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 7:12 AM | 0.4 | 3.7 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 7:18 AM | 0.4 | 3.7 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 7:24 AM | 0.4 | 3.6 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 7:30 AM | 0.4 | 3.6 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 7:36 AM | 0.6 | 3.5 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 7:42 AM | 0.8 | 3.5 | -1.0 | -0.6 | 0.1 |
| 8/11/2020 7:48 AM | 0.9 | 3.4 | -0.9 | -0.6 | 0.1 |
| 8/11/2020 7:54 AM | 0.8 | 3.4 | -0.9 | -0.6 | 0.1 |
| 8/11/2020 8:00 AM | 0.8 | 3.3 | -0.9 | -0.6 | 0.1 |
| 8/11/2020 8:06 AM | 0.8 | 3.1 | -0.8 | -0.6 | 0.1 |
| 8/11/2020 8:12 AM | 0.8 | 3.0 | -0.7 | -0.6 | 0.1 |
| 8/11/2020 8:18 AM | 0.8 | 3.0 | -0.7 | -0.6 | 0.1 |
| 8/11/2020 8:24 AM | 0.8 | 3.1 | -0.6 | 5.9  | 0.1 |
| 8/11/2020 8:30 AM | 0.5 | 3.3 | -0.5 | 12.3 | 0.1 |
| 8/11/2020 8:36 AM | 0.3 | 3.5 | -0.4 | 7.0  | 0.1 |
| 8/11/2020 8:42 AM | 0.3 | 3.6 | -0.3 | 3.6  | 0.1 |
| 8/11/2020 8:48 AM | 0.4 | 3.5 | -0.2 | 2.7  | 0.1 |
| 8/11/2020 8:54 AM | 0.4 | 3.4 | -0.1 | 2.4  | 0.1 |
| 8/11/2020 9:00 AM | 0.4 | 3.3 | 0.0  | 2.3  | 0.1 |
| 8/11/2020 9:06 AM | 0.4 | 3.0 | 0.1  | 2.5  | 0.1 |
| 8/11/2020 9:12 AM | 0.4 | 2.6 | 0.1  | 2.8  | 0.1 |
| 8/11/2020 9:18 AM | 0.4 | 2.1 | 0.1  | 3.0  | 0.1 |
| 8/11/2020 9:24 AM | 0.4 | 1.8 | 0.1  | 3.0  | 0.1 |
| 8/11/2020 9:30 AM | 0.4 | 1.5 | 0.0  | 3.0  | 0.1 |
| 8/11/2020 9:36 AM | 0.4 | 1.2 | 0.0  | 2.9  | 0.1 |
| 8/11/2020 9:42 AM | 0.5 | 1.1 | 0.0  | 2.8  | 0.1 |
| 8/11/2020 9:48 AM | 0.5 | 1.0 | 0.0  | 2.5  | 0.1 |

|                    |      |     |      |     |      |
|--------------------|------|-----|------|-----|------|
| 8/11/2020 9:54 AM  | 0.5  | 1.0 | 0.0  | 2.2 | 0.1  |
| 8/11/2020 10:00 AM | 0.4  | 0.9 | -0.1 | 1.9 | 0.1  |
| 8/11/2020 10:06 AM | 0.5  | 0.8 | -0.1 | 1.7 | 0.1  |
| 8/11/2020 10:12 AM | 0.4  | 0.8 | -0.1 | 1.6 | 0.1  |
| 8/11/2020 10:18 AM | 0.4  | 0.8 | -0.1 | 1.6 | 0.1  |
| 8/11/2020 10:24 AM | 0.4  | 0.8 | -0.1 | 1.5 | 0.1  |
| 8/11/2020 10:30 AM | 0.4  | 0.8 | 0.0  | 1.5 | 0.1  |
| 8/11/2020 10:36 AM | 0.4  | 0.8 | 0.0  | 1.4 | 0.1  |
| 8/11/2020 10:42 AM | 0.4  | 0.9 | 0.0  | 1.4 | 0.1  |
| 8/11/2020 10:48 AM | 0.5  | 0.9 | 0.0  | 1.4 | 0.1  |
| 8/11/2020 10:54 AM | 0.6  | 1.0 | -0.1 | 1.4 | 0.1  |
| 8/11/2020 11:00 AM | 0.5  | 1.0 | -0.1 | 1.4 | 0.1  |
| 8/11/2020 11:06 AM | 0.6  | 1.0 | -0.2 | 1.4 | 0.1  |
| 8/11/2020 11:12 AM | 0.6  | 1.1 | -0.2 | 1.4 | 0.1  |
| 8/11/2020 11:18 AM | 0.6  | 1.1 | -0.2 | 1.4 | 0.1  |
| 8/11/2020 11:24 AM | 0.7  | 1.2 | -0.2 | 1.4 | 0.1  |
| 8/11/2020 11:30 AM | 0.7  | 1.2 | -0.2 | 1.4 | 0.1  |
| 8/11/2020 11:36 AM | 0.7  | 1.1 | -0.2 | 1.4 | 0.1  |
| 8/11/2020 11:42 AM | 0.7  | 1.0 | -0.2 | 1.4 | 0.1  |
| 8/11/2020 11:48 AM | 0.7  | 1.1 | -0.2 | 1.3 | 0.1  |
| 8/11/2020 11:54 AM | 0.7  | 1.1 | -0.2 | 1.3 | 0.1  |
| 8/11/2020 12:00 PM | 0.6  | 1.1 | -0.2 | 1.4 | 0.1  |
| 8/11/2020 12:06 PM | 0.5  | 1.2 | -0.2 | 1.3 | 0.0  |
| 8/11/2020 12:12 PM | 0.5  | 1.2 | -0.2 | 1.3 | 0.0  |
| 8/11/2020 12:18 PM | 0.5  | 1.2 | -0.2 | 1.2 | 0.0  |
| 8/11/2020 12:24 PM | 0.5  | 1.3 | -0.2 | 1.8 | 0.0  |
| 8/11/2020 12:30 PM | 0.5  | 1.3 | -0.2 | 2.2 | 0.0  |
| 8/11/2020 12:36 PM | 0.5  | 1.3 | -0.2 | 1.9 | 0.0  |
| 8/11/2020 12:42 PM | 0.5  | 1.3 | -0.2 | 1.9 | 0.0  |
| 8/11/2020 12:48 PM | 0.5  | 1.3 | -0.2 | 1.9 | 0.0  |
| 8/11/2020 12:54 PM | 0.5  | 1.3 | -0.2 | 1.8 | 0.0  |
| 8/11/2020 1:00 PM  | 0.5  | 1.3 | -0.2 | 1.7 | 0.0  |
| 8/11/2020 1:06 PM  | 0.5  | 1.2 | -0.2 | 1.7 | 0.1  |
| 8/11/2020 1:12 PM  | 0.5  | 1.1 | -0.1 | 1.6 | 0.0  |
| 8/11/2020 1:18 PM  | 0.5  | 1.1 | -0.1 | 1.6 | 0.0  |
| 8/11/2020 1:24 PM  | 0.5  | 1.2 | -0.2 | 1.5 | 0.0  |
| 8/11/2020 1:30 PM  | 0.4  | 1.2 | -0.2 | 1.6 | 0.1  |
| 8/11/2020 1:36 PM  | 0.3  | 1.2 | -0.3 | 1.5 | 0.0  |
| 8/11/2020 1:42 PM  | 0.4  | 1.2 | -0.3 | 1.5 | 0.0  |
| 8/11/2020 1:48 PM  | 0.4  | 1.3 | -0.3 | 1.6 | 0.0  |
| 8/11/2020 1:54 PM  | 0.4  | 1.4 | -0.4 | 1.7 | 0.0  |
| 8/11/2020 2:00 PM  | 0.4  | 1.4 | -0.4 | 1.6 | 0.0  |
| 8/11/2020 2:06 PM  | 0.5  | 1.5 | -0.4 | 1.5 | 0.0  |
| 8/11/2020 2:12 PM  | 0.5  | 1.5 | -0.4 | 1.5 | 0.0  |
| 8/11/2020 2:18 PM  | 0.5  | 1.6 | -0.5 | 1.5 | 0.0  |
| 8/11/2020 2:24 PM  | 0.3  | 1.5 | -0.4 | 1.2 | 7.4  |
| 8/11/2020 2:30 PM  | -0.1 | 1.4 | -0.4 | 0.8 | 10.5 |
| 8/11/2020 2:36 PM  | -0.3 | 1.3 | -0.4 | 0.8 | 8.1  |
| 8/11/2020 2:42 PM  | -0.3 | 1.4 | -0.4 | 0.8 | 7.4  |
| 8/11/2020 2:48 PM  | -0.4 | 1.5 | -0.5 | 0.9 | 7.3  |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/11/2020 2:54 PM | -0.4 | 1.8 | -0.5 | 1.0 | 7.0 |
| 8/11/2020 3:00 PM | -0.4 | 2.0 | -0.6 | 0.9 | 6.4 |
| 8/11/2020 3:06 PM | -0.4 | 2.1 | -0.6 | 0.9 | 5.4 |
| 8/11/2020 3:12 PM | -0.4 | 2.3 | -0.7 | 1.0 | 4.8 |
| 8/11/2020 3:18 PM | -0.4 | 2.8 | -0.8 | 1.2 | 4.3 |
| 8/11/2020 3:24 PM | -0.4 | 3.7 | -0.9 | 1.3 | 3.9 |
| 8/11/2020 3:30 PM | -0.4 | 4.0 | -1.0 | 1.3 | 3.7 |
| 8/11/2020 3:36 PM | -0.4 | 4.0 | -1.0 | 1.3 | 3.5 |
| 8/11/2020 3:42 PM | -0.4 | 4.0 | -0.9 | 1.3 | 3.4 |
| 8/11/2020 3:48 PM | -0.4 | 3.7 | -0.9 | 1.3 | 3.4 |
| 8/11/2020 3:54 PM | -0.4 | 3.3 | -0.8 | 1.3 | 3.3 |
| 8/11/2020 4:00 PM | -0.5 | 2.9 | -0.8 | 1.3 | 3.3 |
| 8/11/2020 4:06 PM | -0.5 | 2.5 | -0.7 | 1.2 | 3.2 |
| 8/11/2020 4:12 PM | -0.4 | 2.2 | -0.7 | 1.3 | 3.2 |
| 8/11/2020 4:18 PM | -0.5 | 1.9 | -0.6 | 1.3 | 3.2 |
| 8/11/2020 4:24 PM | -0.4 | 1.6 | -0.6 | 1.3 | 3.2 |
| 8/11/2020 4:30 PM | -0.4 | 1.5 | -0.6 | 1.3 | 3.2 |
| 8/11/2020 4:36 PM | -0.4 | 1.4 | -0.6 | 1.4 | 3.1 |
| 8/11/2020 4:42 PM | -0.4 | 1.3 | -0.5 | 1.4 | 2.9 |
| 8/11/2020 4:48 PM | -0.4 | 1.4 | -0.5 | 1.5 | 2.8 |
| 8/11/2020 4:54 PM | -0.4 | 1.4 | -0.5 | 1.4 | 2.9 |
| 8/11/2020 5:00 PM | -0.4 | 1.4 | -0.5 | 1.3 | 2.9 |
| 8/11/2020 5:06 PM | -0.4 | 1.5 | -0.5 | 1.4 | 2.9 |
| 8/11/2020 5:12 PM | -0.4 | 1.5 | -0.5 | 1.4 | 2.9 |
| 8/11/2020 5:18 PM | -0.4 | 1.5 | -0.5 | 1.4 | 2.9 |
| 8/11/2020 5:24 PM | -0.4 | 1.5 | -0.5 | 1.5 | 2.9 |
| 8/11/2020 5:30 PM | -0.4 | 1.5 | -0.5 | 1.6 | 2.9 |
| 8/11/2020 5:36 PM | -0.4 | 1.5 | -0.5 | 1.8 | 2.9 |
| 8/11/2020 5:42 PM | -0.4 | 1.5 | -0.5 | 1.8 | 2.8 |
| 8/11/2020 5:48 PM | -0.4 | 1.6 | -0.5 | 1.7 | 2.9 |
| 8/11/2020 5:54 PM | -0.3 | 1.6 | -0.5 | 1.7 | 2.9 |
| 8/11/2020 6:00 PM | -0.3 | 1.7 | -0.5 | 1.7 | 2.9 |
| 8/11/2020 6:06 PM | -0.3 | 1.9 | -0.5 | 1.7 | 2.8 |
| 8/11/2020 6:12 PM | -0.4 | 2.1 | -0.5 | 1.8 | 2.8 |
| 8/11/2020 6:18 PM | -0.4 | 2.4 | -0.5 | 1.7 | 2.8 |
| 8/11/2020 6:24 PM | -0.4 | 2.7 | -0.5 | 1.7 | 2.8 |
| 8/11/2020 6:30 PM | -0.4 | 2.9 | -0.5 | 1.8 | 2.9 |
| 8/11/2020 6:36 PM | -0.4 | 3.0 | -0.5 | 1.8 | 2.9 |
| 8/11/2020 6:42 PM | -0.4 | 3.2 | -0.5 | 1.7 | 2.9 |
| 8/11/2020 6:48 PM | -0.4 | 3.3 | -0.4 | 1.6 | 2.9 |
| 8/11/2020 6:54 PM | -0.4 | 3.4 | -0.4 | 1.5 | 2.9 |
| 8/11/2020 7:00 PM | -0.4 | 3.5 | -0.4 | 1.6 | 2.9 |
| 8/11/2020 7:06 PM | -0.4 | 3.6 | -0.4 | 1.6 | 3.0 |
| 8/11/2020 7:12 PM | -0.4 | 3.6 | -0.4 | 1.5 | 3.0 |
| 8/11/2020 7:18 PM | -0.4 | 3.7 | -0.4 | 1.4 | 3.0 |
| 8/11/2020 7:24 PM | -0.4 | 3.7 | -0.4 | 1.4 | 2.9 |
| 8/11/2020 7:30 PM | -0.4 | 3.7 | -0.4 | 1.4 | 2.9 |
| 8/11/2020 7:36 PM | -0.4 | 3.7 | -0.4 | 1.4 | 2.9 |
| 8/11/2020 7:42 PM | -0.4 | 3.8 | -0.4 | 1.4 | 2.9 |
| 8/11/2020 7:48 PM | -0.4 | 3.8 | -0.4 | 1.4 | 2.9 |



|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/11/2020 7:54 PM  | -0.4 | 3.8 | -0.4 | 1.4  | 2.9 |
| 8/11/2020 8:00 PM  | -0.4 | 3.8 | -0.4 | 1.4  | 2.9 |
| 8/11/2020 8:06 PM  | -0.4 | 3.8 | -0.4 | 1.4  | 2.9 |
| 8/11/2020 8:12 PM  | -0.4 | 3.8 | -0.4 | 1.5  | 2.9 |
| 8/11/2020 8:18 PM  | -0.4 | 3.9 | -0.4 | 1.5  | 2.9 |
| 8/11/2020 8:24 PM  | -0.4 | 3.9 | -0.4 | 1.4  | 2.9 |
| 8/11/2020 8:30 PM  | -0.4 | 3.9 | -0.5 | 1.4  | 3.0 |
| 8/11/2020 8:36 PM  | -0.4 | 3.9 | -0.5 | 1.4  | 3.0 |
| 8/11/2020 8:42 PM  | -0.4 | 3.9 | -0.5 | 1.4  | 3.0 |
| 8/11/2020 8:48 PM  | -0.4 | 4.0 | -0.5 | 1.5  | 3.0 |
| 8/11/2020 8:54 PM  | -0.4 | 4.0 | -0.5 | 1.5  | 3.0 |
| 8/11/2020 9:00 PM  | -0.4 | 4.0 | -0.5 | 1.5  | 3.0 |
| 8/11/2020 9:06 PM  | -0.4 | 4.0 | -0.5 | 1.5  | 3.0 |
| 8/11/2020 9:12 PM  | -0.4 | 4.0 | -0.5 | 1.5  | 3.0 |
| 8/11/2020 9:18 PM  | -0.4 | 4.0 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 9:24 PM  | -0.4 | 4.0 | -0.5 | 1.4  | 2.8 |
| 8/11/2020 9:30 PM  | -0.4 | 4.1 | -0.5 | 1.4  | 2.7 |
| 8/11/2020 9:36 PM  | -0.4 | 4.1 | -0.5 | 1.4  | 2.8 |
| 8/11/2020 9:42 PM  | -0.4 | 4.1 | -0.5 | 1.4  | 2.8 |
| 8/11/2020 9:48 PM  | -0.4 | 4.1 | -0.5 | 1.4  | 2.8 |
| 8/11/2020 9:54 PM  | -0.4 | 4.1 | -0.5 | 1.5  | 2.9 |
| 8/11/2020 10:00 PM | -0.4 | 4.0 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 10:06 PM | -0.4 | 4.0 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 10:12 PM | -0.4 | 4.0 | -0.5 | 1.5  | 2.9 |
| 8/11/2020 10:18 PM | -0.4 | 3.9 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 10:24 PM | -0.4 | 3.9 | -0.5 | 1.5  | 2.9 |
| 8/11/2020 10:30 PM | -0.4 | 3.9 | -0.5 | 1.5  | 2.9 |
| 8/11/2020 10:36 PM | -0.4 | 3.9 | -0.5 | 1.5  | 2.9 |
| 8/11/2020 10:42 PM | -0.4 | 3.9 | -0.5 | 1.4  | 3.0 |
| 8/11/2020 10:48 PM | -0.5 | 3.9 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 10:54 PM | -0.5 | 3.9 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 11:00 PM | -0.4 | 3.9 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 11:06 PM | -0.4 | 3.9 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 11:12 PM | -0.4 | 3.9 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 11:18 PM | -0.4 | 3.9 | -0.5 | 1.3  | 2.9 |
| 8/11/2020 11:24 PM | -0.4 | 3.9 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 11:30 PM | -0.4 | 3.9 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 11:36 PM | -0.4 | 3.9 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 11:42 PM | -0.4 | 3.9 | -0.5 | 1.4  | 2.8 |
| 8/11/2020 11:48 PM | -0.4 | 3.9 | -0.5 | 1.4  | 2.9 |
| 8/11/2020 11:54 PM | -0.4 | 3.8 | -0.5 | 1.4  | 2.9 |
| 8/12/2020 12:00 AM | -0.4 | 3.8 | -0.5 | 0.5  | 3.4 |
| 8/12/2020 12:06 AM | -0.4 | 3.8 | -0.5 | -0.5 | 4.1 |
| 8/12/2020 12:12 AM | -0.4 | 3.8 | -0.5 | -0.7 | 4.1 |
| 8/12/2020 12:18 AM | -0.4 | 3.8 | -0.5 | -0.7 | 3.9 |
| 8/12/2020 12:24 AM | -0.4 | 3.8 | -0.5 | -0.7 | 3.9 |
| 8/12/2020 12:30 AM | -0.4 | 3.8 | -0.5 | -0.7 | 3.9 |
| 8/12/2020 12:36 AM | -0.4 | 3.7 | -0.5 | -0.7 | 3.7 |
| 8/12/2020 12:42 AM | -0.4 | 3.7 | -0.5 | -0.7 | 3.8 |
| 8/12/2020 12:48 AM | -0.4 | 3.7 | -0.5 | -0.7 | 3.9 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/12/2020 12:54 AM | -0.4 | 3.7 | -0.5 | -0.7 | 4.0 |
| 8/12/2020 1:00 AM  | -0.5 | 3.7 | -0.5 | -0.7 | 4.0 |
| 8/12/2020 1:06 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 4.1 |
| 8/12/2020 1:12 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 4.1 |
| 8/12/2020 1:18 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 4.1 |
| 8/12/2020 1:24 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 4.0 |
| 8/12/2020 1:30 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 3.9 |
| 8/12/2020 1:36 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 3.9 |
| 8/12/2020 1:42 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 3.8 |
| 8/12/2020 1:48 AM  | -0.4 | 3.7 | -0.5 | -0.6 | 3.8 |
| 8/12/2020 1:54 AM  | -0.4 | 3.7 | -0.5 | -0.6 | 3.8 |
| 8/12/2020 2:00 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 3.8 |
| 8/12/2020 2:06 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 3.8 |
| 8/12/2020 2:12 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 3.8 |
| 8/12/2020 2:18 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 3.7 |
| 8/12/2020 2:24 AM  | -0.4 | 3.8 | -0.5 | -0.6 | 3.8 |
| 8/12/2020 2:30 AM  | -0.4 | 3.8 | -0.5 | -0.7 | 3.7 |
| 8/12/2020 2:36 AM  | -0.4 | 3.8 | -0.6 | -0.7 | 3.6 |
| 8/12/2020 2:42 AM  | -0.4 | 3.9 | -0.6 | -0.7 | 3.6 |
| 8/12/2020 2:48 AM  | -0.4 | 3.9 | -0.6 | -0.7 | 3.7 |
| 8/12/2020 2:54 AM  | -0.4 | 3.8 | -0.6 | -0.7 | 3.7 |
| 8/12/2020 3:00 AM  | -0.4 | 3.8 | -0.6 | -0.7 | 3.7 |
| 8/12/2020 3:06 AM  | -0.4 | 3.8 | -0.6 | -0.7 | 3.7 |
| 8/12/2020 3:12 AM  | -0.4 | 3.9 | -0.6 | -0.7 | 3.7 |
| 8/12/2020 3:18 AM  | -0.4 | 3.9 | -0.6 | -0.7 | 3.7 |
| 8/12/2020 3:24 AM  | -0.4 | 3.8 | -0.6 | -0.7 | 3.7 |
| 8/12/2020 3:30 AM  | -0.4 | 3.8 | -0.5 | -0.7 | 3.6 |
| 8/12/2020 3:36 AM  | -0.4 | 3.8 | -0.5 | -0.7 | 3.7 |
| 8/12/2020 3:42 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 3.8 |
| 8/12/2020 3:48 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 3.8 |
| 8/12/2020 3:54 AM  | -0.4 | 3.7 | -0.5 | -0.7 | 3.8 |
| 8/12/2020 4:00 AM  | -0.4 | 3.6 | -0.5 | -0.7 | 3.8 |
| 8/12/2020 4:06 AM  | -0.4 | 3.6 | -0.5 | -0.6 | 3.9 |
| 8/12/2020 4:12 AM  | -0.4 | 3.6 | -0.5 | -0.7 | 4.0 |
| 8/12/2020 4:18 AM  | -0.4 | 3.6 | -0.5 | -0.7 | 4.3 |
| 8/12/2020 4:24 AM  | -0.4 | 3.5 | -0.5 | -0.6 | 4.4 |
| 8/12/2020 4:30 AM  | -0.4 | 3.5 | -0.5 | -0.6 | 4.4 |
| 8/12/2020 4:36 AM  | -0.4 | 3.5 | -0.5 | -0.7 | 4.4 |
| 8/12/2020 4:42 AM  | -0.4 | 3.5 | -0.5 | -0.7 | 4.4 |
| 8/12/2020 4:48 AM  | -0.4 | 3.5 | -0.5 | -0.6 | 4.2 |
| 8/12/2020 4:54 AM  | -0.4 | 3.5 | -0.5 | -0.6 | 4.2 |
| 8/12/2020 5:00 AM  | -0.4 | 3.5 | -0.5 | -0.6 | 4.8 |
| 8/12/2020 5:06 AM  | -0.4 | 3.5 | -0.5 | -0.6 | 5.5 |
| 8/12/2020 5:12 AM  | -0.4 | 3.5 | -0.5 | -0.6 | 5.4 |
| 8/12/2020 5:18 AM  | -0.4 | 3.5 | -0.5 | -0.6 | 5.4 |
| 8/12/2020 5:24 AM  | -0.4 | 3.5 | -0.5 | -0.6 | 5.2 |
| 8/12/2020 5:30 AM  | -0.4 | 3.5 | -0.5 | -0.6 | 5.1 |
| 8/12/2020 5:36 AM  | -0.4 | 3.5 | -0.5 | -0.6 | 5.2 |
| 8/12/2020 5:42 AM  | -0.4 | 3.6 | -0.5 | -0.6 | 5.3 |
| 8/12/2020 5:48 AM  | -0.4 | 3.8 | -0.6 | -0.6 | 5.3 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 8/12/2020 5:54 AM  | -0.4 | 4.0  | -0.7 | -0.6 | 5.2 |
| 8/12/2020 6:00 AM  | -0.4 | 4.1  | -0.7 | -0.7 | 5.2 |
| 8/12/2020 6:06 AM  | -0.4 | 4.2  | -0.8 | -0.7 | 5.2 |
| 8/12/2020 6:12 AM  | -0.4 | 4.2  | -0.9 | -0.6 | 5.2 |
| 8/12/2020 6:18 AM  | -0.4 | 4.1  | -0.9 | -0.6 | 5.3 |
| 8/12/2020 6:24 AM  | -0.4 | 4.1  | -0.9 | -0.6 | 5.3 |
| 8/12/2020 6:30 AM  | 12.2 | 4.1  | -0.9 | -0.7 | 3.8 |
| 8/12/2020 6:36 AM  | 10.7 | 4.1  | -1.0 | -0.7 | 2.5 |
| 8/12/2020 6:42 AM  | 3.5  | 3.9  | -1.0 | -0.7 | 2.7 |
| 8/12/2020 6:48 AM  | 1.9  | 3.6  | -0.9 | -0.7 | 2.8 |
| 8/12/2020 6:54 AM  | 1.2  | 3.3  | -0.9 | -0.7 | 2.8 |
| 8/12/2020 7:00 AM  | 1.0  | 3.1  | -0.8 | -0.7 | 2.8 |
| 8/12/2020 7:06 AM  | 0.9  | 2.9  | -0.8 | -0.7 | 2.8 |
| 8/12/2020 7:12 AM  | 0.8  | 2.8  | -0.7 | -0.7 | 2.9 |
| 8/12/2020 7:18 AM  | 0.8  | 2.8  | -0.7 | -0.7 | 2.9 |
| 8/12/2020 7:24 AM  | 0.8  | 2.9  | -0.7 | -0.7 | 2.9 |
| 8/12/2020 7:30 AM  | 0.7  | 3.0  | -0.8 | -0.7 | 2.9 |
| 8/12/2020 7:36 AM  | 0.6  | 3.0  | -0.8 | -0.7 | 2.9 |
| 8/12/2020 7:42 AM  | 0.6  | 3.1  | -0.8 | -0.7 | 2.8 |
| 8/12/2020 7:48 AM  | 0.6  | 3.2  | -0.9 | -0.7 | 2.8 |
| 8/12/2020 7:54 AM  | 0.8  | 3.2  | -0.9 | -0.7 | 2.9 |
| 8/12/2020 8:00 AM  | 1.0  | 3.2  | -1.0 | -0.7 | 2.8 |
| 8/12/2020 8:06 AM  | 0.9  | 3.2  | -1.0 | -0.7 | 2.8 |
| 8/12/2020 8:12 AM  | 0.5  | 3.2  | -1.0 | -0.7 | 2.8 |
| 8/12/2020 8:18 AM  | 0.5  | 3.2  | -1.0 | -0.7 | 2.8 |
| 8/12/2020 8:24 AM  | 0.5  | 3.2  | -0.9 | -0.7 | 2.8 |
| 8/12/2020 8:30 AM  | 0.5  | 3.3  | -0.9 | -0.7 | 2.7 |
| 8/12/2020 8:36 AM  | 0.5  | 3.4  | -0.8 | -0.7 | 2.8 |
| 8/12/2020 8:42 AM  | 0.6  | 3.4  | -0.7 | -0.7 | 2.8 |
| 8/12/2020 8:48 AM  | 0.6  | 3.3  | -0.6 | -0.7 | 2.8 |
| 8/12/2020 8:54 AM  | 0.5  | 2.9  | -0.5 | -0.7 | 2.7 |
| 8/12/2020 9:00 AM  | 0.5  | 2.4  | -0.4 | -0.6 | 2.7 |
| 8/12/2020 9:06 AM  | 0.4  | 2.0  | -0.3 | -0.6 | 2.7 |
| 8/12/2020 9:12 AM  | 0.4  | 12.8 | -0.3 | -0.6 | 2.8 |
| 8/12/2020 9:18 AM  | 0.4  | 23.2 | -0.2 | -0.7 | 2.7 |
| 8/12/2020 9:24 AM  | 0.4  | 18.5 | -0.2 | -0.6 | 2.7 |
| 8/12/2020 9:30 AM  | 0.4  | 11.3 | -0.2 | -0.7 | 2.7 |
| 8/12/2020 9:36 AM  | 0.4  | 11.8 | -0.2 | -0.7 | 2.7 |
| 8/12/2020 9:42 AM  | 0.5  | 17.4 | -0.2 | -0.7 | 2.7 |
| 8/12/2020 9:48 AM  | 0.6  | 11.9 | -0.2 | -0.6 | 2.7 |
| 8/12/2020 9:54 AM  | 0.6  | 7.6  | -0.2 | -0.6 | 2.7 |
| 8/12/2020 10:00 AM | 0.7  | 4.7  | -0.1 | -0.6 | 2.7 |
| 8/12/2020 10:06 AM | 0.7  | 3.3  | -0.1 | -0.6 | 2.8 |
| 8/12/2020 10:12 AM | 0.7  | 2.2  | -0.1 | -0.6 | 2.7 |
| 8/12/2020 10:18 AM | 0.7  | 1.5  | -0.1 | -0.6 | 2.7 |
| 8/12/2020 10:24 AM | 0.7  | 1.1  | -0.1 | -0.6 | 2.7 |
| 8/12/2020 10:30 AM | 0.7  | 0.9  | -0.1 | -0.6 | 2.7 |
| 8/12/2020 10:36 AM | 0.7  | 0.8  | 0.0  | -0.6 | 2.7 |
| 8/12/2020 10:42 AM | 0.7  | 0.8  | 0.0  | -0.6 | 2.7 |
| 8/12/2020 10:48 AM | 0.7  | 0.8  | 0.1  | -0.6 | 2.7 |

|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 8/12/2020 10:54 AM | 0.7 | 0.7  | 0.0  | -0.6 | 2.7 |
| 8/12/2020 11:00 AM | 0.7 | 0.7  | 0.0  | -0.6 | 2.7 |
| 8/12/2020 11:06 AM | 0.7 | 0.7  | -0.1 | -0.6 | 2.6 |
| 8/12/2020 11:12 AM | 0.4 | 0.6  | 0.0  | -0.6 | 2.7 |
| 8/12/2020 11:18 AM | 0.2 | 0.6  | 0.0  | -0.6 | 2.7 |
| 8/12/2020 11:24 AM | 0.3 | 0.6  | 0.0  | -0.6 | 2.7 |
| 8/12/2020 11:30 AM | 0.6 | 0.7  | 0.0  | -0.6 | 2.7 |
| 8/12/2020 11:36 AM | 0.8 | 0.7  | 0.0  | -0.6 | 2.6 |
| 8/12/2020 11:42 AM | 0.8 | 0.6  | 0.0  | -0.6 | 2.6 |
| 8/12/2020 11:48 AM | 0.8 | 0.7  | 0.0  | -0.6 | 2.6 |
| 8/12/2020 11:54 AM | 0.7 | 2.9  | 0.0  | -0.6 | 2.6 |
| 8/12/2020 12:00 PM | 0.8 | 7.5  | 0.0  | -0.6 | 2.7 |
| 8/12/2020 12:06 PM | 0.9 | 12.5 | 0.1  | -0.6 | 2.8 |
| 8/12/2020 12:12 PM | 0.9 | 10.9 | 0.1  | -0.6 | 2.8 |
| 8/12/2020 12:18 PM | 0.9 | 8.7  | 0.1  | -0.6 | 2.8 |
| 8/12/2020 12:24 PM | 0.9 | 7.5  | 0.0  | -0.6 | 2.8 |
| 8/12/2020 12:30 PM | 0.9 | 6.6  | -0.1 | -0.6 | 2.7 |
| 8/12/2020 12:36 PM | 0.9 | 5.8  | -0.1 | -0.6 | 2.7 |
| 8/12/2020 12:42 PM | 0.9 | 5.0  | -0.2 | -0.6 | 2.7 |
| 8/12/2020 12:48 PM | 0.9 | 4.3  | -0.2 | -0.6 | 2.7 |
| 8/12/2020 12:54 PM | 0.9 | 3.9  | -0.3 | -0.6 | 2.6 |
| 8/12/2020 1:00 PM  | 0.9 | 3.3  | -0.2 | -0.6 | 2.6 |
| 8/12/2020 1:06 PM  | 0.9 | 2.9  | -0.2 | -0.5 | 2.7 |
| 8/12/2020 1:12 PM  | 0.9 | 2.6  | -0.2 | -0.5 | 2.7 |
| 8/12/2020 1:18 PM  | 0.9 | 2.3  | -0.1 | -0.5 | 2.7 |
| 8/12/2020 1:24 PM  | 0.9 | 2.1  | -0.1 | -0.5 | 2.7 |
| 8/12/2020 1:30 PM  | 0.9 | 2.1  | -0.2 | -0.5 | 2.7 |
| 8/12/2020 1:36 PM  | 0.9 | 2.1  | -0.2 | -0.5 | 2.8 |
| 8/12/2020 1:42 PM  | 0.9 | 1.8  | -0.2 | -0.5 | 2.8 |
| 8/12/2020 1:48 PM  | 0.9 | 1.6  | -0.2 | -0.5 | 2.8 |
| 8/12/2020 1:54 PM  | 0.9 | 1.5  | -0.2 | -0.5 | 2.8 |
| 8/12/2020 2:00 PM  | 0.9 | 1.4  | -0.2 | -0.5 | 2.7 |
| 8/12/2020 2:06 PM  | 0.9 | 1.7  | -0.4 | -0.5 | 2.6 |
| 8/12/2020 2:12 PM  | 0.8 | 1.8  | -0.4 | -0.5 | 2.7 |
| 8/12/2020 2:18 PM  | 0.8 | 1.7  | -0.5 | -0.5 | 2.7 |
| 8/12/2020 2:24 PM  | 0.8 | 1.7  | -0.5 | -0.5 | 2.7 |
| 8/12/2020 2:30 PM  | 0.8 | 1.7  | -0.5 | -0.5 | 2.7 |
| 8/12/2020 2:36 PM  | 0.7 | 1.7  | -0.6 | -0.5 | 2.7 |
| 8/12/2020 2:42 PM  | 0.7 | 1.9  | -0.6 | -0.5 | 2.8 |
| 8/12/2020 2:48 PM  | 0.6 | 10.3 | -0.7 | -0.5 | 5.3 |
| 8/12/2020 2:54 PM  | 0.9 | 18.8 | -0.7 | 5.6  | 8.6 |
| 8/12/2020 3:00 PM  | 1.0 | 15.5 | -0.9 | 19.5 | 9.4 |
| 8/12/2020 3:06 PM  | 0.9 | 11.3 | -1.1 | 23.6 | 9.2 |
| 8/12/2020 3:12 PM  | 0.9 | 8.1  | -1.0 | 19.2 | 8.8 |
| 8/12/2020 3:18 PM  | 0.9 | 6.0  | -1.0 | 14.2 | 8.3 |
| 8/12/2020 3:24 PM  | 1.0 | 4.7  | -1.0 | 13.1 | 8.0 |
| 8/12/2020 3:30 PM  | 1.0 | 3.7  | -0.9 | 15.3 | 8.1 |
| 8/12/2020 3:36 PM  | 1.0 | 3.1  | -0.9 | 15.6 | 8.0 |
| 8/12/2020 3:42 PM  | 0.9 | 12.0 | -0.8 | 12.9 | 8.1 |
| 8/12/2020 3:48 PM  | 1.0 | 15.9 | -0.8 | 12.0 | 8.3 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 8/12/2020 3:54 PM | 0.9  | 9.0  | -0.7 | 11.7 | 8.5 |
| 8/12/2020 4:00 PM | 0.9  | 6.8  | -0.7 | 11.1 | 8.2 |
| 8/12/2020 4:06 PM | 0.9  | 5.1  | -0.6 | 10.6 | 7.8 |
| 8/12/2020 4:12 PM | 0.9  | 4.2  | -0.6 | 9.6  | 8.1 |
| 8/12/2020 4:18 PM | 0.8  | 3.8  | -0.6 | 9.2  | 8.6 |
| 8/12/2020 4:24 PM | 0.8  | 3.2  | -0.5 | 8.9  | 8.4 |
| 8/12/2020 4:30 PM | 0.8  | 2.8  | -0.5 | 8.4  | 8.2 |
| 8/12/2020 4:36 PM | 0.8  | 12.1 | -0.4 | 8.8  | 8.3 |
| 8/12/2020 4:42 PM | 0.8  | 16.1 | -0.3 | 8.9  | 8.1 |
| 8/12/2020 4:48 PM | 0.9  | 8.0  | -0.3 | 9.0  | 8.0 |
| 8/12/2020 4:54 PM | 0.9  | 5.4  | -0.2 | 9.3  | 8.2 |
| 8/12/2020 5:00 PM | 0.9  | 3.9  | -0.1 | 9.4  | 8.1 |
| 8/12/2020 5:06 PM | 0.9  | 13.3 | -0.1 | 9.5  | 8.0 |
| 8/12/2020 5:12 PM | 0.9  | 29.5 | 0.0  | 9.7  | 8.2 |
| 8/12/2020 5:18 PM | 0.8  | 23.6 | 0.1  | 10.7 | 8.0 |
| 8/12/2020 5:24 PM | 0.9  | 12.0 | 0.1  | 11.1 | 7.9 |
| 8/12/2020 5:30 PM | 0.9  | 7.5  | 0.1  | 10.8 | 7.8 |
| 8/12/2020 5:36 PM | 0.9  | 5.0  | 0.1  | 11.1 | 8.3 |
| 8/12/2020 5:42 PM | 0.9  | 2.4  | 0.1  | 11.3 | 8.6 |
| 8/12/2020 5:48 PM | 0.9  | 7.4  | 0.1  | 11.4 | 8.3 |
| 8/12/2020 5:54 PM | 0.9  | 8.5  | 0.1  | 11.3 | 7.8 |
| 8/12/2020 6:00 PM | 0.9  | 6.7  | 0.1  | 11.0 | 7.6 |
| 8/12/2020 6:06 PM | 0.8  | 5.6  | 0.2  | 10.5 | 7.5 |
| 8/12/2020 6:12 PM | 0.8  | 4.6  | 0.2  | 10.3 | 7.3 |
| 8/12/2020 6:18 PM | 0.8  | 3.7  | 0.1  | 10.3 | 7.6 |
| 8/12/2020 6:24 PM | 0.8  | 3.3  | 0.1  | 9.9  | 7.5 |
| 8/12/2020 6:30 PM | 0.8  | 3.1  | 0.1  | 9.8  | 7.3 |
| 8/12/2020 6:36 PM | 0.7  | 3.1  | 0.1  | 10.0 | 7.4 |
| 8/12/2020 6:42 PM | 0.8  | 3.1  | 0.1  | 9.8  | 5.9 |
| 8/12/2020 6:48 PM | 0.8  | 3.2  | 0.1  | 9.4  | 4.0 |
| 8/12/2020 6:54 PM | 0.8  | 2.9  | 0.1  | 9.9  | 4.0 |
| 8/12/2020 7:00 PM | 0.3  | 2.3  | 0.1  | 10.0 | 4.4 |
| 8/12/2020 7:06 PM | -0.1 | 2.0  | 0.1  | 9.7  | 3.8 |
| 8/12/2020 7:12 PM | -0.2 | 1.8  | 0.0  | 9.7  | 2.7 |
| 8/12/2020 7:18 PM | -0.3 | 1.7  | 0.0  | 9.5  | 2.5 |
| 8/12/2020 7:24 PM | -0.4 | 1.6  | 0.0  | 9.2  | 2.5 |
| 8/12/2020 7:30 PM | -0.4 | 1.5  | 0.0  | 9.1  | 2.0 |
| 8/12/2020 7:36 PM | -0.4 | 1.4  | 0.0  | 9.5  | 0.7 |
| 8/12/2020 7:42 PM | -0.4 | 1.4  | 0.1  | 9.8  | 0.1 |
| 8/12/2020 7:48 PM | -0.3 | 1.4  | 0.1  | 9.9  | 0.2 |
| 8/12/2020 7:54 PM | -0.3 | 1.3  | 0.1  | 9.9  | 0.2 |
| 8/12/2020 8:00 PM | -0.3 | 1.3  | 0.1  | 9.9  | 0.2 |
| 8/12/2020 8:06 PM | -0.3 | 1.3  | 0.1  | 10.1 | 0.2 |
| 8/12/2020 8:12 PM | -0.3 | 0.9  | 0.1  | 7.2  | 0.2 |
| 8/12/2020 8:18 PM | -0.3 | 0.6  | 0.1  | 2.0  | 0.2 |
| 8/12/2020 8:24 PM | -0.3 | 0.7  | 0.1  | 2.2  | 0.2 |
| 8/12/2020 8:30 PM | -0.3 | 0.8  | 0.0  | 2.3  | 0.2 |
| 8/12/2020 8:36 PM | -0.3 | 0.8  | 0.1  | 2.3  | 0.2 |
| 8/12/2020 8:42 PM | -0.2 | 0.8  | 0.0  | 2.4  | 0.2 |
| 8/12/2020 8:48 PM | -0.2 | 0.8  | 0.0  | 2.5  | 0.2 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 8/12/2020 8:54 PM  | -0.2 | 0.8  | 0.0  | 2.6 | 0.2 |
| 8/12/2020 9:00 PM  | -0.2 | 0.7  | 0.0  | 2.7 | 0.2 |
| 8/12/2020 9:06 PM  | -0.3 | 0.7  | 0.0  | 2.6 | 0.2 |
| 8/12/2020 9:12 PM  | -0.2 | 0.7  | 0.0  | 2.5 | 0.2 |
| 8/12/2020 9:18 PM  | -0.2 | 0.6  | 0.0  | 2.5 | 0.2 |
| 8/12/2020 9:24 PM  | -0.2 | 0.7  | 0.0  | 2.5 | 0.2 |
| 8/12/2020 9:30 PM  | -0.2 | 0.7  | 0.0  | 2.5 | 0.2 |
| 8/12/2020 9:36 PM  | -0.2 | 0.7  | 0.0  | 2.5 | 0.1 |
| 8/12/2020 9:42 PM  | -0.3 | 0.7  | 0.0  | 2.5 | 0.2 |
| 8/12/2020 9:48 PM  | -0.2 | 0.6  | 0.0  | 2.6 | 0.2 |
| 8/12/2020 9:54 PM  | -0.2 | 0.6  | 0.0  | 2.7 | 0.1 |
| 8/12/2020 10:00 PM | -0.3 | 0.6  | -0.1 | 2.8 | 0.1 |
| 8/12/2020 10:06 PM | -0.3 | 0.7  | -0.1 | 3.0 | 0.1 |
| 8/12/2020 10:12 PM | -0.3 | 0.7  | -0.2 | 3.0 | 0.1 |
| 8/12/2020 10:18 PM | -0.3 | 0.7  | -0.2 | 2.9 | 0.1 |
| 8/12/2020 10:24 PM | -0.3 | 0.6  | -0.2 | 2.8 | 0.1 |
| 8/12/2020 10:30 PM | -0.3 | 0.5  | -0.3 | 2.7 | 0.1 |
| 8/12/2020 10:36 PM | -0.3 | 0.5  | -0.3 | 2.5 | 0.1 |
| 8/12/2020 10:42 PM | -0.3 | 0.5  | -0.3 | 2.5 | 0.1 |
| 8/12/2020 10:48 PM | -0.3 | 0.4  | -0.3 | 2.5 | 0.1 |
| 8/12/2020 10:54 PM | -0.3 | 0.5  | -0.3 | 2.4 | 0.1 |
| 8/12/2020 11:00 PM | -0.3 | 0.4  | -0.4 | 2.5 | 0.1 |
| 8/12/2020 11:06 PM | -0.3 | 0.4  | -0.4 | 2.1 | 0.1 |
| 8/12/2020 11:12 PM | -0.3 | 0.5  | -0.4 | 1.1 | 0.1 |
| 8/12/2020 11:18 PM | -0.3 | 0.6  | -0.4 | 0.9 | 0.1 |
| 8/12/2020 11:24 PM | -0.3 | 0.6  | -0.4 | 0.9 | 0.1 |
| 8/12/2020 11:30 PM | -0.3 | 0.6  | -0.3 | 1.0 | 0.1 |
| 8/12/2020 11:36 PM | -0.3 | 0.2  | -0.3 | 1.0 | 0.1 |
| 8/12/2020 11:42 PM | -0.3 | -0.5 | -0.3 | 1.0 | 0.1 |
| 8/12/2020 11:48 PM | -0.3 | -0.7 | -0.3 | 1.3 | 0.1 |
| 8/12/2020 11:54 PM | -0.3 | -0.8 | -0.3 | 2.7 | 0.1 |
| 8/13/2020 12:00 AM | -0.3 | -0.8 | -0.3 | 4.4 | 0.1 |
| 8/13/2020 12:06 AM | -0.3 | -0.8 | -0.3 | 7.3 | 0.1 |
| 8/13/2020 12:12 AM | -0.3 | -0.8 | -0.3 | 7.9 | 0.1 |
| 8/13/2020 12:18 AM | -0.3 | -0.8 | -0.3 | 8.3 | 0.1 |
| 8/13/2020 12:24 AM | -0.3 | -0.8 | -0.3 | 9.1 | 0.1 |
| 8/13/2020 12:30 AM | -0.3 | -0.8 | -0.3 | 9.0 | 0.1 |
| 8/13/2020 12:36 AM | -0.3 | -0.7 | -0.3 | 8.6 | 0.1 |
| 8/13/2020 12:42 AM | -0.3 | -0.8 | -0.3 | 8.6 | 0.1 |
| 8/13/2020 12:48 AM | -0.3 | -0.8 | -0.3 | 8.6 | 0.1 |
| 8/13/2020 12:54 AM | -0.3 | -0.8 | -0.3 | 8.7 | 0.1 |
| 8/13/2020 1:00 AM  | -0.3 | -0.8 | -0.2 | 8.8 | 0.1 |
| 8/13/2020 1:06 AM  | -0.3 | -0.8 | -0.2 | 8.8 | 0.1 |
| 8/13/2020 1:12 AM  | -0.2 | -0.8 | -0.2 | 8.8 | 0.1 |
| 8/13/2020 1:18 AM  | -0.2 | -0.8 | -0.2 | 9.0 | 0.1 |
| 8/13/2020 1:24 AM  | -0.2 | -0.8 | -0.2 | 9.2 | 0.1 |
| 8/13/2020 1:30 AM  | -0.2 | -0.7 | -0.2 | 9.3 | 0.1 |
| 8/13/2020 1:36 AM  | -0.3 | -0.7 | -0.2 | 9.4 | 0.1 |
| 8/13/2020 1:42 AM  | -0.2 | -0.7 | -0.2 | 9.7 | 0.1 |
| 8/13/2020 1:48 AM  | -0.3 | -0.7 | -0.2 | 9.8 | 0.1 |

|                   |      |      |      |     |     |
|-------------------|------|------|------|-----|-----|
| 8/13/2020 1:54 AM | -0.3 | -0.7 | -0.2 | 9.7 | 0.1 |
| 8/13/2020 2:00 AM | -0.2 | -0.7 | -0.2 | 9.5 | 0.1 |
| 8/13/2020 2:06 AM | -0.2 | -0.7 | -0.2 | 9.4 | 0.1 |
| 8/13/2020 2:12 AM | -0.2 | -0.7 | -0.2 | 9.1 | 0.1 |
| 8/13/2020 2:18 AM | -0.2 | -0.6 | -0.2 | 8.9 | 0.1 |
| 8/13/2020 2:24 AM | -0.2 | -0.6 | -0.2 | 8.8 | 0.1 |
| 8/13/2020 2:30 AM | -0.3 | -0.6 | -0.2 | 8.9 | 0.1 |
| 8/13/2020 2:36 AM | -0.2 | -0.6 | -0.2 | 8.9 | 0.1 |
| 8/13/2020 2:42 AM | -0.2 | -0.6 | -0.2 | 8.9 | 0.1 |
| 8/13/2020 2:48 AM | -0.2 | -0.6 | -0.2 | 8.6 | 0.1 |
| 8/13/2020 2:54 AM | -0.2 | -0.5 | -0.2 | 8.2 | 0.1 |
| 8/13/2020 3:00 AM | -0.3 | -0.6 | -0.3 | 8.3 | 0.1 |
| 8/13/2020 3:06 AM | -0.3 | -0.6 | -0.3 | 8.3 | 0.1 |
| 8/13/2020 3:12 AM | -0.3 | -0.6 | -0.3 | 8.2 | 0.1 |
| 8/13/2020 3:18 AM | -0.3 | -0.6 | -0.3 | 8.4 | 0.1 |
| 8/13/2020 3:24 AM | -0.3 | -0.6 | -0.3 | 8.4 | 0.1 |
| 8/13/2020 3:30 AM | -0.3 | -0.6 | -0.3 | 8.4 | 0.1 |
| 8/13/2020 3:36 AM | -0.3 | -0.6 | -0.3 | 8.5 | 0.1 |
| 8/13/2020 3:42 AM | -0.3 | -0.6 | -0.3 | 8.4 | 0.1 |
| 8/13/2020 3:48 AM | -0.3 | -0.6 | -0.3 | 8.3 | 0.1 |
| 8/13/2020 3:54 AM | -0.3 | -0.6 | -0.3 | 8.3 | 0.1 |
| 8/13/2020 4:00 AM | -0.3 | -0.6 | -0.3 | 8.1 | 0.1 |
| 8/13/2020 4:06 AM | -0.3 | -0.6 | -0.3 | 8.0 | 0.1 |
| 8/13/2020 4:12 AM | -0.3 | -0.6 | -0.3 | 7.8 | 0.1 |
| 8/13/2020 4:18 AM | -0.3 | -0.6 | -0.3 | 7.7 | 0.1 |
| 8/13/2020 4:24 AM | -0.3 | -0.6 | -0.3 | 7.5 | 0.1 |
| 8/13/2020 4:30 AM | -0.3 | -0.6 | -0.3 | 7.7 | 0.1 |
| 8/13/2020 4:36 AM | -0.3 | -0.6 | -0.3 | 7.9 | 0.1 |
| 8/13/2020 4:42 AM | -0.3 | -0.6 | -0.3 | 7.8 | 0.1 |
| 8/13/2020 4:48 AM | -0.3 | -0.6 | -0.3 | 8.1 | 0.1 |
| 8/13/2020 4:54 AM | -0.3 | -0.6 | -0.3 | 8.5 | 0.1 |
| 8/13/2020 5:00 AM | -0.3 | -0.6 | -0.3 | 7.5 | 0.1 |
| 8/13/2020 5:06 AM | -0.3 | -0.6 | -0.3 | 4.0 | 0.1 |
| 8/13/2020 5:12 AM | -0.3 | -0.5 | -0.3 | 2.3 | 0.1 |
| 8/13/2020 5:18 AM | -0.3 | -0.6 | -0.3 | 2.7 | 0.1 |
| 8/13/2020 5:24 AM | -0.3 | -0.6 | -0.4 | 2.9 | 0.1 |
| 8/13/2020 5:30 AM | -0.3 | -0.6 | -0.4 | 2.8 | 0.1 |
| 8/13/2020 5:36 AM | -0.3 | -0.6 | -0.4 | 2.8 | 0.1 |
| 8/13/2020 5:42 AM | -0.3 | -0.6 | -0.4 | 2.9 | 0.1 |
| 8/13/2020 5:48 AM | -0.3 | -0.6 | -0.4 | 2.9 | 0.1 |
| 8/13/2020 5:54 AM | -0.3 | -0.6 | -0.5 | 3.0 | 0.1 |
| 8/13/2020 6:00 AM | -0.3 | -0.6 | -0.5 | 3.0 | 0.1 |
| 8/13/2020 6:06 AM | -0.3 | -0.6 | -0.5 | 3.1 | 0.1 |
| 8/13/2020 6:12 AM | -0.3 | -0.6 | -0.6 | 3.1 | 0.1 |
| 8/13/2020 6:18 AM | -0.3 | -0.6 | -0.7 | 3.1 | 0.1 |
| 8/13/2020 6:24 AM | -0.3 | -0.6 | -0.8 | 3.2 | 0.1 |
| 8/13/2020 6:30 AM | -0.3 | -0.6 | -0.9 | 3.1 | 0.1 |
| 8/13/2020 6:36 AM | -0.3 | -0.6 | -0.8 | 3.1 | 0.1 |
| 8/13/2020 6:42 AM | -0.3 | -0.6 | -0.8 | 3.2 | 0.1 |
| 8/13/2020 6:48 AM | -0.3 | -0.6 | -0.8 | 3.1 | 0.1 |



|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 8/13/2020 6:54 AM  | -0.3 | -0.6 | -0.8 | 4.0  | 0.1  |
| 8/13/2020 7:00 AM  | -0.3 | -0.6 | -0.8 | 5.8  | 0.1  |
| 8/13/2020 7:06 AM  | -0.3 | -0.6 | -0.8 | 6.3  | 0.1  |
| 8/13/2020 7:12 AM  | -0.3 | -0.6 | -0.8 | 6.2  | 3.2  |
| 8/13/2020 7:18 AM  | -0.3 | -0.6 | -0.8 | 3.1  | 10.8 |
| 8/13/2020 7:24 AM  | -0.3 | -0.6 | -0.8 | 1.5  | 8.8  |
| 8/13/2020 7:30 AM  | -0.3 | -0.6 | -0.8 | 1.6  | 6.6  |
| 8/13/2020 7:36 AM  | -0.3 | -0.6 | -0.8 | 1.6  | 6.2  |
| 8/13/2020 7:42 AM  | -0.3 | -0.6 | -0.8 | 1.4  | 5.9  |
| 8/13/2020 7:48 AM  | -0.3 | -0.6 | -0.8 | 1.2  | 5.2  |
| 8/13/2020 7:54 AM  | -0.3 | -0.6 | -0.8 | 1.0  | 4.2  |
| 8/13/2020 8:00 AM  | -0.3 | -0.6 | -0.7 | 0.6  | 3.5  |
| 8/13/2020 8:06 AM  | -0.3 | -0.6 | -0.7 | 0.6  | 3.4  |
| 8/13/2020 8:12 AM  | -0.3 | -0.6 | -0.7 | 0.7  | 3.3  |
| 8/13/2020 8:18 AM  | -0.3 | -0.6 | -0.6 | 0.7  | 3.2  |
| 8/13/2020 8:24 AM  | -0.3 | -0.5 | -0.6 | 1.0  | 3.1  |
| 8/13/2020 8:30 AM  | -0.3 | -0.5 | -0.6 | 1.2  | 3.0  |
| 8/13/2020 8:36 AM  | -0.3 | -0.5 | -0.6 | 1.2  | 3.0  |
| 8/13/2020 8:42 AM  | -0.3 | -0.5 | -0.5 | 1.2  | 2.9  |
| 8/13/2020 8:48 AM  | -0.3 | -0.6 | -0.4 | 1.2  | 2.9  |
| 8/13/2020 8:54 AM  | -0.3 | -0.6 | -0.3 | 1.3  | 2.9  |
| 8/13/2020 9:00 AM  | -0.3 | -0.6 | -0.2 | 1.4  | 2.9  |
| 8/13/2020 9:06 AM  | -0.3 | -0.5 | -0.2 | 1.4  | 2.9  |
| 8/13/2020 9:12 AM  | -0.3 | -0.6 | -0.2 | 1.5  | 3.0  |
| 8/13/2020 9:18 AM  | -0.3 | -0.6 | -0.3 | 2.5  | 3.1  |
| 8/13/2020 9:24 AM  | -0.3 | 5.3  | -0.4 | 3.8  | 3.1  |
| 8/13/2020 9:30 AM  | -0.3 | 4.2  | -0.7 | 4.0  | 3.1  |
| 8/13/2020 9:36 AM  | -0.3 | 3.7  | -0.9 | 4.6  | 3.9  |
| 8/13/2020 9:42 AM  | -0.2 | 5.5  | -0.9 | 9.1  | 8.1  |
| 8/13/2020 9:48 AM  | -0.2 | 2.6  | -1.0 | 12.3 | 12.1 |
| 8/13/2020 9:54 AM  | -0.2 | 1.0  | -1.0 | 11.1 | 11.9 |
| 8/13/2020 10:00 AM | -0.2 | 0.3  | -1.0 | 10.8 | 10.6 |
| 8/13/2020 10:06 AM | -0.2 | 0.1  | -0.9 | 11.1 | 9.5  |
| 8/13/2020 10:12 AM | -0.2 | -0.1 | -0.9 | 11.5 | 8.5  |
| 8/13/2020 10:18 AM | 10.2 | -0.2 | -0.9 | 11.9 | 8.1  |
| 8/13/2020 10:24 AM | 7.9  | 7.8  | -0.9 | 12.8 | 8.2  |
| 8/13/2020 10:30 AM | 2.8  | 9.0  | -0.9 | 13.1 | 8.3  |
| 8/13/2020 10:36 AM | 1.7  | 6.7  | -0.9 | 13.3 | 8.5  |
| 8/13/2020 10:42 AM | 1.4  | 7.9  | -0.9 | 13.5 | 8.2  |
| 8/13/2020 10:48 AM | 1.3  | 8.6  | -0.9 | 13.7 | 8.0  |
| 8/13/2020 10:54 AM | 1.4  | 2.7  | -0.9 | 13.5 | 8.1  |
| 8/13/2020 11:00 AM | 1.6  | 0.5  | -0.8 | 13.0 | 7.9  |
| 8/13/2020 11:06 AM | 1.4  | -0.1 | -0.8 | 12.6 | 7.8  |
| 8/13/2020 11:12 AM | 1.1  | -0.2 | -0.8 | 12.7 | 7.7  |
| 8/13/2020 11:18 AM | 1.1  | -0.3 | -0.8 | 12.8 | 7.7  |
| 8/13/2020 11:24 AM | 1.0  | -0.3 | -0.8 | 12.8 | 7.6  |
| 8/13/2020 11:30 AM | 1.0  | -0.3 | -0.8 | 12.9 | 7.5  |
| 8/13/2020 11:36 AM | 1.0  | -0.3 | -0.8 | 13.2 | 7.4  |
| 8/13/2020 11:42 AM | 1.0  | -0.4 | -0.8 | 12.9 | 7.6  |
| 8/13/2020 11:48 AM | 0.9  | -0.4 | -0.8 | 12.6 | 8.2  |



|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 8/13/2020 11:54 AM | 0.9  | -0.3 | -0.8 | 12.8 | 8.7 |
| 8/13/2020 12:00 PM | 0.8  | -0.4 | -0.8 | 13.2 | 8.8 |
| 8/13/2020 12:06 PM | 0.4  | -0.5 | -0.7 | 13.3 | 8.5 |
| 8/13/2020 12:12 PM | 0.4  | -0.5 | -0.7 | 12.8 | 7.8 |
| 8/13/2020 12:18 PM | 0.4  | -0.5 | -0.7 | 12.7 | 7.4 |
| 8/13/2020 12:24 PM | 0.4  | -0.5 | -0.7 | 13.0 | 7.7 |
| 8/13/2020 12:30 PM | 0.4  | -0.5 | -0.7 | 13.2 | 7.7 |
| 8/13/2020 12:36 PM | 0.4  | -0.5 | -0.7 | 13.1 | 7.8 |
| 8/13/2020 12:42 PM | 0.4  | -0.5 | -0.6 | 13.0 | 7.9 |
| 8/13/2020 12:48 PM | 0.1  | -0.5 | -0.6 | 13.6 | 7.3 |
| 8/13/2020 12:54 PM | -0.3 | 5.5  | -0.6 | 12.1 | 6.2 |
| 8/13/2020 1:00 PM  | -0.5 | 8.4  | -0.6 | 5.7  | 4.0 |
| 8/13/2020 1:06 PM  | -0.6 | 3.6  | -0.6 | 2.5  | 2.9 |
| 8/13/2020 1:12 PM  | -0.6 | 2.1  | -0.6 | 2.6  | 2.9 |
| 8/13/2020 1:18 PM  | -0.6 | 1.2  | -0.5 | 2.6  | 3.0 |
| 8/13/2020 1:24 PM  | -0.6 | 0.6  | -0.5 | 3.0  | 3.1 |
| 8/13/2020 1:30 PM  | -0.6 | 0.3  | -0.5 | 3.9  | 3.2 |
| 8/13/2020 1:36 PM  | -0.7 | 0.0  | -0.4 | 4.3  | 3.3 |
| 8/13/2020 1:42 PM  | -0.6 | -0.1 | -0.4 | 4.3  | 3.3 |
| 8/13/2020 1:48 PM  | -0.6 | -0.2 | -0.4 | 4.4  | 3.2 |
| 8/13/2020 1:54 PM  | -0.6 | -0.3 | -0.4 | 4.5  | 3.2 |
| 8/13/2020 2:00 PM  | -0.6 | -0.3 | -0.4 | 4.4  | 3.2 |
| 8/13/2020 2:06 PM  | -0.6 | -0.3 | -0.4 | 3.5  | 2.9 |
| 8/13/2020 2:12 PM  | -0.6 | -0.4 | -0.4 | 2.0  | 2.6 |
| 8/13/2020 2:18 PM  | -0.6 | -0.4 | -0.3 | 1.6  | 2.7 |
| 8/13/2020 2:24 PM  | -0.6 | -0.4 | -0.3 | 1.6  | 2.7 |
| 8/13/2020 2:30 PM  | -0.6 | 7.7  | -0.3 | 1.7  | 2.7 |
| 8/13/2020 2:36 PM  | -0.6 | 9.7  | -0.3 | 1.7  | 2.7 |
| 8/13/2020 2:42 PM  | -0.5 | 2.2  | -0.3 | 1.8  | 2.8 |
| 8/13/2020 2:48 PM  | -0.5 | 1.3  | -0.3 | 1.7  | 2.7 |
| 8/13/2020 2:54 PM  | -0.5 | 0.6  | -0.3 | 1.6  | 2.7 |
| 8/13/2020 3:00 PM  | -0.6 | 0.2  | -0.3 | 1.6  | 2.7 |
| 8/13/2020 3:06 PM  | -0.6 | 0.0  | -0.3 | 1.6  | 2.7 |
| 8/13/2020 3:12 PM  | -0.5 | -0.1 | -0.3 | 1.5  | 2.7 |
| 8/13/2020 3:18 PM  | -0.6 | -0.2 | -0.3 | 1.1  | 2.6 |
| 8/13/2020 3:24 PM  | -0.6 | -0.3 | -0.3 | 0.6  | 2.6 |
| 8/13/2020 3:30 PM  | -0.6 | -0.3 | -0.3 | 0.8  | 2.5 |
| 8/13/2020 3:36 PM  | -0.6 | -0.3 | -0.3 | 0.9  | 2.4 |
| 8/13/2020 3:42 PM  | -0.6 | -0.3 | -0.3 | 0.9  | 2.5 |
| 8/13/2020 3:48 PM  | -0.6 | -0.3 | -0.3 | 0.9  | 2.6 |
| 8/13/2020 3:54 PM  | -0.6 | 4.5  | -0.3 | 1.0  | 2.6 |
| 8/13/2020 4:00 PM  | -0.6 | 7.8  | -0.2 | 0.9  | 2.6 |
| 8/13/2020 4:06 PM  | -0.6 | 7.4  | -0.2 | 0.9  | 2.5 |
| 8/13/2020 4:12 PM  | -0.6 | 4.7  | -0.2 | 0.9  | 2.5 |
| 8/13/2020 4:18 PM  | -0.6 | 4.7  | -0.2 | 1.0  | 2.6 |
| 8/13/2020 4:24 PM  | -0.6 | 4.8  | -0.2 | 1.0  | 2.5 |
| 8/13/2020 4:30 PM  | -0.5 | 6.0  | -0.2 | 0.5  | 2.5 |
| 8/13/2020 4:36 PM  | -0.6 | 4.7  | -0.2 | -0.4 | 2.5 |
| 8/13/2020 4:42 PM  | -0.5 | 2.7  | -0.2 | -0.7 | 2.6 |
| 8/13/2020 4:48 PM  | -0.5 | 2.9  | -0.2 | -0.7 | 2.6 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 8/13/2020 4:54 PM | -0.6 | 3.1 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 5:00 PM | -0.5 | 2.9 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 5:06 PM | -0.5 | 2.3 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 5:12 PM | -0.5 | 1.6 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 5:18 PM | -0.6 | 1.2 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 5:24 PM | -0.6 | 1.0 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 5:30 PM | -0.5 | 0.9 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 5:36 PM | -0.5 | 0.8 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 5:42 PM | -0.6 | 0.7 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 5:48 PM | -0.6 | 0.7 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 5:54 PM | -0.6 | 0.6 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 6:00 PM | -0.6 | 0.6 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 6:06 PM | -0.6 | 0.9 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 6:12 PM | -0.5 | 1.5 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 6:18 PM | -0.5 | 1.4 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 6:24 PM | -0.6 | 1.2 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 6:30 PM | -0.6 | 1.1 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 6:36 PM | -0.6 | 1.0 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 6:42 PM | -0.5 | 1.0 | -0.1 | -0.7 | 2.5 |
| 8/13/2020 6:48 PM | -0.6 | 1.0 | -0.1 | -0.7 | 2.5 |
| 8/13/2020 6:54 PM | -0.6 | 0.9 | -0.1 | -0.7 | 2.5 |
| 8/13/2020 7:00 PM | -0.5 | 0.8 | -0.1 | -0.7 | 2.5 |
| 8/13/2020 7:06 PM | -0.5 | 0.8 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 7:12 PM | -0.6 | 0.8 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 7:18 PM | -0.6 | 0.8 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 7:24 PM | -0.6 | 0.8 | -0.2 | -0.7 | 2.4 |
| 8/13/2020 7:30 PM | -0.6 | 0.7 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 7:36 PM | -0.6 | 0.6 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 7:42 PM | -0.6 | 0.6 | -0.2 | -0.7 | 2.4 |
| 8/13/2020 7:48 PM | -0.5 | 0.5 | -0.2 | -0.7 | 2.4 |
| 8/13/2020 7:54 PM | -0.5 | 0.5 | -0.2 | -0.7 | 2.4 |
| 8/13/2020 8:00 PM | -0.6 | 0.5 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 8:06 PM | -0.6 | 0.5 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 8:12 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 8:18 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 8:24 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 8:30 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 8:36 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 8:42 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 8:48 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 8:54 PM | -0.6 | 0.5 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 9:00 PM | -0.6 | 0.5 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 9:06 PM | -0.6 | 0.6 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 9:12 PM | -0.6 | 0.6 | -0.2 | -0.7 | 2.4 |
| 8/13/2020 9:18 PM | -0.6 | 0.5 | -0.2 | -0.7 | 2.4 |
| 8/13/2020 9:24 PM | -0.6 | 0.6 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 9:30 PM | -0.6 | 0.5 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 9:36 PM | -0.6 | 0.5 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 9:42 PM | -0.6 | 0.5 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 9:48 PM | -0.6 | 0.5 | -0.2 | -0.7 | 2.5 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/13/2020 9:54 PM  | -0.6 | 0.5 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 10:00 PM | -0.6 | 0.5 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 10:06 PM | -0.6 | 0.5 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 10:12 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 10:18 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.6 |
| 8/13/2020 10:24 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.5 |
| 8/13/2020 10:30 PM | -0.6 | 0.3 | -0.2 | -0.7 | 2.4 |
| 8/13/2020 10:36 PM | -0.6 | 0.3 | -0.2 | -0.7 | 2.4 |
| 8/13/2020 10:42 PM | -0.6 | 0.3 | -0.2 | -0.7 | 2.3 |
| 8/13/2020 10:48 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.3 |
| 8/13/2020 10:54 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.3 |
| 8/13/2020 11:00 PM | -0.6 | 0.4 | -0.2 | -0.7 | 2.4 |
| 8/13/2020 11:06 PM | -0.6 | 0.3 | -0.2 | -0.7 | 2.3 |
| 8/13/2020 11:12 PM | -0.6 | 0.3 | -0.2 | -0.7 | 2.3 |
| 8/13/2020 11:18 PM | -0.6 | 0.3 | -0.2 | -0.7 | 2.3 |
| 8/13/2020 11:24 PM | -0.6 | 0.3 | -0.2 | -0.7 | 2.3 |
| 8/13/2020 11:30 PM | -0.6 | 0.3 | -0.2 | -0.7 | 2.3 |
| 8/13/2020 11:36 PM | -0.6 | 0.3 | -0.2 | -0.7 | 2.3 |
| 8/13/2020 11:42 PM | -0.6 | 0.3 | -0.2 | -0.7 | 2.3 |
| 8/13/2020 11:48 PM | -0.6 | 0.3 | -0.3 | -0.7 | 2.3 |
| 8/13/2020 11:54 PM | -0.6 | 0.4 | -0.3 | -0.7 | 2.3 |
| 8/14/2020 12:00 AM | -0.6 | 0.5 | -0.3 | -0.7 | 2.4 |
| 8/14/2020 12:06 AM | -0.6 | 0.5 | -0.3 | -0.7 | 2.4 |
| 8/14/2020 12:12 AM | -0.6 | 0.5 | -0.3 | -0.7 | 2.4 |
| 8/14/2020 12:18 AM | -0.6 | 0.4 | -0.3 | -0.7 | 2.5 |
| 8/14/2020 12:24 AM | -0.6 | 0.4 | -0.3 | -0.7 | 2.5 |
| 8/14/2020 12:30 AM | -0.6 | 0.4 | -0.3 | -0.7 | 2.5 |
| 8/14/2020 12:36 AM | -0.6 | 0.4 | -0.3 | -0.7 | 2.4 |
| 8/14/2020 12:42 AM | -0.6 | 0.5 | -0.3 | -0.7 | 2.4 |
| 8/14/2020 12:48 AM | -0.6 | 0.4 | -0.2 | -0.7 | 2.4 |
| 8/14/2020 12:54 AM | -0.6 | 0.4 | -0.2 | -0.7 | 2.4 |
| 8/14/2020 1:00 AM  | -0.6 | 0.4 | -0.2 | -0.7 | 2.4 |
| 8/14/2020 1:06 AM  | -0.6 | 0.5 | -0.2 | -0.7 | 2.4 |
| 8/14/2020 1:12 AM  | -0.6 | 1.4 | -0.2 | -0.7 | 1.1 |
| 8/14/2020 1:18 AM  | -0.6 | 1.4 | -0.2 | -0.7 | 0.0 |
| 8/14/2020 1:24 AM  | -0.6 | 1.1 | -0.2 | -0.7 | 0.0 |
| 8/14/2020 1:30 AM  | -0.6 | 1.1 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 1:36 AM  | -0.6 | 1.1 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 1:42 AM  | -0.6 | 1.1 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 1:48 AM  | -0.6 | 1.1 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 1:54 AM  | -0.6 | 1.1 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 2:00 AM  | -0.6 | 1.1 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 2:06 AM  | -0.6 | 1.1 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 2:12 AM  | -0.6 | 1.2 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 2:18 AM  | -0.6 | 1.2 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 2:24 AM  | -0.6 | 1.2 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 2:30 AM  | -0.6 | 1.2 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 2:36 AM  | -0.6 | 1.2 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 2:42 AM  | -0.6 | 1.1 | -0.3 | -0.7 | 0.0 |
| 8/14/2020 2:48 AM  | -0.6 | 1.1 | -0.3 | -0.7 | 0.0 |

|                   |      |     |      |      |      |
|-------------------|------|-----|------|------|------|
| 8/14/2020 2:54 AM | -0.6 | 1.1 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 3:00 AM | -0.6 | 1.0 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 3:06 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 3:12 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 3:18 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 3:24 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 3:30 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 3:36 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 3:42 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 3:48 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 3:54 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 4:00 AM | -0.6 | 0.8 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 4:06 AM | -0.7 | 0.8 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 4:12 AM | -0.6 | 0.8 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 4:18 AM | -0.6 | 0.8 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 4:24 AM | -0.6 | 0.8 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 4:30 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 4:36 AM | -0.6 | 0.8 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 4:42 AM | -0.6 | 0.8 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 4:48 AM | -0.6 | 0.8 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 4:54 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 5:00 AM | -0.6 | 0.8 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 5:06 AM | -0.7 | 0.8 | -0.3 | -0.7 | -0.1 |
| 8/14/2020 5:12 AM | -0.6 | 0.9 | -0.3 | -0.7 | 0.0  |
| 8/14/2020 5:18 AM | -0.6 | 0.9 | -0.3 | -0.6 | 0.0  |
| 8/14/2020 5:24 AM | -0.6 | 0.8 | -0.3 | -0.6 | 0.0  |
| 8/14/2020 5:30 AM | -0.6 | 0.8 | -0.3 | -0.6 | 0.0  |
| 8/14/2020 5:36 AM | -0.6 | 0.8 | -0.3 | -0.6 | 0.0  |
| 8/14/2020 5:42 AM | -0.6 | 0.8 | -0.3 | -0.6 | 0.0  |
| 8/14/2020 5:48 AM | -0.6 | 0.7 | -0.4 | -0.6 | 0.0  |
| 8/14/2020 5:54 AM | -0.6 | 0.8 | -0.4 | -0.6 | -0.1 |
| 8/14/2020 6:00 AM | -0.6 | 0.8 | -0.4 | -0.6 | -0.1 |
| 8/14/2020 6:06 AM | -0.6 | 0.9 | -0.4 | -0.6 | -0.1 |
| 8/14/2020 6:12 AM | -0.6 | 1.2 | -0.5 | -0.6 | -0.1 |
| 8/14/2020 6:18 AM | -0.6 | 1.2 | -0.5 | -0.6 | 0.0  |
| 8/14/2020 6:24 AM | -0.6 | 1.1 | -0.5 | -0.6 | 0.0  |
| 8/14/2020 6:30 AM | -0.7 | 1.1 | -0.5 | -0.6 | 0.0  |
| 8/14/2020 6:36 AM | -0.7 | 1.1 | -0.6 | -0.6 | 0.0  |
| 8/14/2020 6:42 AM | -0.6 | 1.0 | -0.6 | -0.6 | 0.0  |
| 8/14/2020 6:48 AM | -0.7 | 1.1 | -0.8 | -0.6 | -0.1 |
| 8/14/2020 6:54 AM | -0.7 | 1.1 | -0.9 | -0.6 | -0.1 |
| 8/14/2020 7:00 AM | -0.7 | 1.2 | -1.0 | -0.6 | 0.0  |
| 8/14/2020 7:06 AM | -0.7 | 1.2 | -1.0 | -0.6 | 0.0  |
| 8/14/2020 7:12 AM | -0.7 | 1.2 | -1.0 | -0.6 | 0.0  |
| 8/14/2020 7:18 AM | -0.7 | 1.1 | -0.9 | -0.6 | 0.0  |
| 8/14/2020 7:24 AM | -0.7 | 1.2 | -0.9 | -0.6 | 0.0  |
| 8/14/2020 7:30 AM | -0.7 | 1.2 | -1.0 | -0.6 | 0.0  |
| 8/14/2020 7:36 AM | -0.7 | 1.2 | -1.0 | -0.6 | -0.1 |
| 8/14/2020 7:42 AM | -0.7 | 1.1 | -1.1 | -0.6 | -0.1 |
| 8/14/2020 7:48 AM | -0.7 | 1.2 | -1.1 | -0.6 | -0.1 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 8/14/2020 7:54 AM  | -0.6 | 1.3  | -1.1 | -0.6 | -0.1 |
| 8/14/2020 8:00 AM  | -0.6 | 1.2  | -1.1 | -0.6 | -0.1 |
| 8/14/2020 8:06 AM  | -0.6 | 1.2  | -1.1 | -0.6 | 0.0  |
| 8/14/2020 8:12 AM  | -0.6 | 1.3  | -1.0 | -0.6 | 0.0  |
| 8/14/2020 8:18 AM  | -0.6 | 1.3  | -0.9 | -0.6 | -0.1 |
| 8/14/2020 8:24 AM  | -0.6 | 1.2  | -0.8 | -0.6 | 6.4  |
| 8/14/2020 8:30 AM  | -0.6 | 0.2  | -0.6 | 7.7  | 14.4 |
| 8/14/2020 8:36 AM  | -0.6 | -0.8 | -0.5 | 16.8 | 8.9  |
| 8/14/2020 8:42 AM  | -0.6 | -0.8 | -0.4 | 11.8 | 6.0  |
| 8/14/2020 8:48 AM  | -0.6 | -0.8 | -0.3 | 8.0  | 5.9  |
| 8/14/2020 8:54 AM  | -0.6 | -0.9 | -0.2 | 7.1  | 5.8  |
| 8/14/2020 9:00 AM  | -0.6 | -1.0 | -0.2 | 5.0  | 5.2  |
| 8/14/2020 9:06 AM  | -0.5 | -1.0 | -0.2 | 4.0  | 4.6  |
| 8/14/2020 9:12 AM  | -0.5 | -0.9 | -0.2 | 3.5  | 4.2  |
| 8/14/2020 9:18 AM  | -0.5 | -1.0 | -0.2 | 3.3  | 3.8  |
| 8/14/2020 9:24 AM  | -0.5 | -1.0 | -0.2 | 3.3  | 3.5  |
| 8/14/2020 9:30 AM  | -0.5 | -1.0 | -0.2 | 3.4  | 3.3  |
| 8/14/2020 9:36 AM  | -0.5 | -1.0 | -0.2 | 3.7  | 3.2  |
| 8/14/2020 9:42 AM  | -0.5 | -0.9 | -0.2 | 3.9  | 3.1  |
| 8/14/2020 9:48 AM  | -0.5 | -0.9 | -0.2 | 3.8  | 3.1  |
| 8/14/2020 9:54 AM  | -0.5 | -1.0 | -0.2 | 3.9  | 3.1  |
| 8/14/2020 10:00 AM | -0.5 | -0.9 | -0.2 | 3.8  | 3.0  |
| 8/14/2020 10:06 AM | -0.5 | -0.9 | -0.2 | 3.6  | 2.9  |
| 8/14/2020 10:12 AM | -0.5 | -0.9 | -0.3 | 3.4  | 2.8  |
| 8/14/2020 10:18 AM | -0.5 | -0.9 | -0.3 | 3.3  | 2.8  |
| 8/14/2020 10:24 AM | -0.5 | -0.9 | -0.3 | 3.1  | 2.7  |
| 8/14/2020 10:30 AM | -0.5 | -0.9 | -0.3 | 2.9  | 2.6  |
| 8/14/2020 10:36 AM | -0.5 | -0.9 | -0.3 | 2.7  | 2.6  |
| 8/14/2020 10:42 AM | -0.5 | -0.9 | -0.3 | 2.5  | 2.6  |
| 8/14/2020 10:48 AM | -0.6 | -0.9 | -0.3 | 1.5  | 2.5  |
| 8/14/2020 10:54 AM | -0.6 | -0.9 | -0.3 | 0.8  | 2.5  |
| 8/14/2020 11:00 AM | -0.6 | -0.9 | -0.3 | 0.9  | 2.5  |
| 8/14/2020 11:06 AM | -0.5 | 7.6  | -0.4 | 0.6  | 2.5  |
| 8/14/2020 11:12 AM | -0.6 | 10.5 | -0.3 | -0.3 | 2.4  |
| 8/14/2020 11:18 AM | -0.5 | 1.3  | -0.3 | -0.7 | 2.4  |
| 8/14/2020 11:24 AM | -0.5 | 0.5  | -0.3 | -0.7 | 2.5  |
| 8/14/2020 11:30 AM | -0.5 | 0.4  | -0.3 | -0.7 | 2.5  |
| 8/14/2020 11:36 AM | 0.5  | 0.4  | -0.3 | -0.7 | 2.5  |
| 8/14/2020 11:42 AM | 3.4  | 0.3  | -0.3 | -0.7 | 2.5  |
| 8/14/2020 11:48 AM | 1.7  | 0.4  | -0.3 | -0.7 | 2.4  |
| 8/14/2020 11:54 AM | 0.3  | 0.3  | -0.3 | -0.7 | 2.5  |
| 8/14/2020 12:00 PM | -0.1 | 0.3  | -0.3 | -0.7 | 2.5  |
| 8/14/2020 12:06 PM | 0.0  | 0.4  | -0.3 | -0.5 | 2.6  |
| 8/14/2020 12:12 PM | -0.1 | 0.3  | -0.2 | 4.8  | 2.5  |
| 8/14/2020 12:18 PM | -0.1 | -0.1 | -0.2 | 8.3  | 2.6  |
| 8/14/2020 12:24 PM | -0.1 | -0.5 | -0.2 | 3.9  | 2.6  |
| 8/14/2020 12:30 PM | -0.1 | -0.6 | -0.3 | 2.4  | 2.6  |
| 8/14/2020 12:36 PM | -0.1 | -0.6 | -0.3 | 1.9  | 2.6  |
| 8/14/2020 12:42 PM | -0.1 | -0.6 | -0.4 | 1.7  | 2.6  |
| 8/14/2020 12:48 PM | -0.1 | -0.6 | -0.4 | 1.5  | 2.6  |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 8/14/2020 12:54 PM | -0.1 | -0.7 | -0.5 | 1.4 | 2.6 |
| 8/14/2020 1:00 PM  | -0.1 | -0.7 | -0.5 | 1.1 | 2.5 |
| 8/14/2020 1:06 PM  | -0.1 | -0.7 | -0.5 | 1.1 | 2.5 |
| 8/14/2020 1:12 PM  | -0.1 | -0.7 | -0.4 | 1.1 | 2.6 |
| 8/14/2020 1:18 PM  | -0.1 | -0.6 | -0.4 | 1.1 | 2.5 |
| 8/14/2020 1:24 PM  | -0.1 | -0.7 | -0.5 | 1.0 | 2.5 |
| 8/14/2020 1:30 PM  | -0.1 | -0.7 | -0.5 | 1.1 | 2.6 |
| 8/14/2020 1:36 PM  | -0.1 | -0.6 | -0.5 | 1.1 | 2.6 |
| 8/14/2020 1:42 PM  | -0.1 | -0.7 | -0.5 | 1.1 | 2.6 |
| 8/14/2020 1:48 PM  | -0.1 | -0.7 | -0.5 | 1.1 | 2.6 |
| 8/14/2020 1:54 PM  | -0.1 | -0.7 | -0.5 | 1.0 | 2.6 |
| 8/14/2020 2:00 PM  | -0.1 | -0.6 | -0.5 | 1.1 | 2.5 |
| 8/14/2020 2:06 PM  | -0.1 | -0.6 | -0.5 | 1.1 | 2.5 |
| 8/14/2020 2:12 PM  | -0.1 | -0.7 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 2:18 PM  | -0.1 | -0.7 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 2:24 PM  | -0.1 | -0.6 | -0.5 | 1.1 | 2.5 |
| 8/14/2020 2:30 PM  | -0.1 | -0.6 | -0.5 | 1.1 | 2.5 |
| 8/14/2020 2:36 PM  | -0.1 | -0.7 | -0.5 | 1.1 | 2.5 |
| 8/14/2020 2:42 PM  | -0.1 | -0.6 | -0.6 | 1.1 | 2.5 |
| 8/14/2020 2:48 PM  | -0.1 | -0.6 | -0.6 | 1.1 | 2.5 |
| 8/14/2020 2:54 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.4 |
| 8/14/2020 3:00 PM  | -0.1 | -0.6 | -0.6 | 1.1 | 2.5 |
| 8/14/2020 3:06 PM  | -0.1 | -0.6 | -0.6 | 1.1 | 2.5 |
| 8/14/2020 3:12 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.5 |
| 8/14/2020 3:18 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 3:24 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 3:30 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 3:36 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.5 |
| 8/14/2020 3:42 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 3:48 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.7 |
| 8/14/2020 3:54 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 4:00 PM  | -0.2 | -0.5 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 4:06 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 4:12 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 4:18 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 4:24 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 4:30 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 4:36 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 4:42 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 4:48 PM  | -0.2 | -0.6 | -0.6 | 1.2 | 2.6 |
| 8/14/2020 4:54 PM  | -0.2 | -0.6 | -0.6 | 1.2 | 2.6 |
| 8/14/2020 5:00 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 5:06 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 5:12 PM  | -0.2 | -0.6 | -0.5 | 1.1 | 2.6 |
| 8/14/2020 5:18 PM  | -0.2 | -0.6 | -0.5 | 1.1 | 2.6 |
| 8/14/2020 5:24 PM  | -0.2 | -0.6 | -0.5 | 1.1 | 2.6 |
| 8/14/2020 5:30 PM  | -0.2 | -0.6 | -0.5 | 1.1 | 2.6 |
| 8/14/2020 5:36 PM  | -0.2 | -0.5 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 5:42 PM  | -0.2 | -0.6 | -0.6 | 1.1 | 2.6 |
| 8/14/2020 5:48 PM  | -0.2 | -0.5 | -0.6 | 1.1 | 2.6 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 8/14/2020 5:54 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.5 |
| 8/14/2020 6:00 PM  | -0.2 | -0.6 | -0.5 | 1.1 | 2.3 |
| 8/14/2020 6:06 PM  | -0.2 | -0.6 | -0.5 | 1.1 | 2.2 |
| 8/14/2020 6:12 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.2 |
| 8/14/2020 6:18 PM  | -0.2 | -0.6 | -0.5 | 1.1 | 2.3 |
| 8/14/2020 6:24 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 6:30 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 6:36 PM  | -0.2 | -0.6 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 6:42 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 6:48 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 6:54 PM  | -0.2 | -0.6 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 7:00 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 7:06 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 7:12 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 7:18 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.4 |
| 8/14/2020 7:24 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.3 |
| 8/14/2020 7:30 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.3 |
| 8/14/2020 7:36 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.3 |
| 8/14/2020 7:42 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.3 |
| 8/14/2020 7:48 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.3 |
| 8/14/2020 7:54 PM  | -0.2 | -0.5 | -0.5 | 1.1 | 2.3 |
| 8/14/2020 8:00 PM  | -0.2 | -0.5 | -0.4 | 1.2 | 2.3 |
| 8/14/2020 8:06 PM  | -0.2 | -0.5 | -0.4 | 1.2 | 2.3 |
| 8/14/2020 8:12 PM  | -0.2 | -0.5 | -0.5 | 1.2 | 2.3 |
| 8/14/2020 8:18 PM  | -0.2 | -0.5 | -0.5 | 1.2 | 2.3 |
| 8/14/2020 8:24 PM  | -0.2 | -0.5 | -0.4 | 1.2 | 2.4 |
| 8/14/2020 8:30 PM  | -0.3 | -0.5 | -0.5 | 1.2 | 2.4 |
| 8/14/2020 8:36 PM  | -0.3 | -0.5 | -0.5 | 1.2 | 2.4 |
| 8/14/2020 8:42 PM  | -0.3 | -0.5 | -0.5 | 1.2 | 2.4 |
| 8/14/2020 8:48 PM  | -0.3 | -0.5 | -0.5 | 1.3 | 2.5 |
| 8/14/2020 8:54 PM  | -0.3 | -0.5 | -0.5 | 1.3 | 2.5 |
| 8/14/2020 9:00 PM  | -0.3 | -0.5 | -0.5 | 1.3 | 2.4 |
| 8/14/2020 9:06 PM  | -0.3 | -0.5 | -0.5 | 1.3 | 2.5 |
| 8/14/2020 9:12 PM  | -0.3 | -0.5 | -0.5 | 1.3 | 2.5 |
| 8/14/2020 9:18 PM  | -0.3 | -0.5 | -0.5 | 1.2 | 2.5 |
| 8/14/2020 9:24 PM  | -0.3 | -0.5 | -0.5 | 1.3 | 2.5 |
| 8/14/2020 9:30 PM  | -0.3 | -0.5 | -0.5 | 1.3 | 2.5 |
| 8/14/2020 9:36 PM  | -0.3 | -0.5 | -0.5 | 1.3 | 2.5 |
| 8/14/2020 9:42 PM  | -0.3 | -0.5 | -0.5 | 1.3 | 2.5 |
| 8/14/2020 9:48 PM  | -0.3 | -0.5 | -0.5 | 1.3 | 2.5 |
| 8/14/2020 9:54 PM  | -0.3 | -0.5 | -0.5 | 1.3 | 2.6 |
| 8/14/2020 10:00 PM | -0.3 | -0.5 | -0.5 | 1.3 | 2.6 |
| 8/14/2020 10:06 PM | -0.3 | -0.5 | -0.5 | 1.2 | 2.5 |
| 8/14/2020 10:12 PM | -0.3 | -0.5 | -0.5 | 1.2 | 2.5 |
| 8/14/2020 10:18 PM | -0.3 | -0.5 | -0.5 | 1.2 | 2.5 |
| 8/14/2020 10:24 PM | -0.3 | -0.5 | -0.5 | 1.2 | 2.4 |
| 8/14/2020 10:30 PM | -0.3 | -0.4 | -0.5 | 1.2 | 2.4 |
| 8/14/2020 10:36 PM | -0.3 | -0.4 | -0.5 | 1.2 | 2.4 |
| 8/14/2020 10:42 PM | -0.3 | -0.4 | -0.5 | 1.2 | 2.4 |
| 8/14/2020 10:48 PM | -0.3 | -0.5 | -0.5 | 1.2 | 2.3 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 8/14/2020 10:54 PM | -0.3 | -0.4 | -0.5 | 1.2  | 2.3 |
| 8/14/2020 11:00 PM | -0.3 | -0.5 | -0.5 | 1.2  | 2.4 |
| 8/14/2020 11:06 PM | -0.3 | -0.5 | -0.5 | 1.2  | 2.4 |
| 8/14/2020 11:12 PM | -0.3 | -0.4 | -0.5 | 1.2  | 2.4 |
| 8/14/2020 11:18 PM | -0.3 | -0.5 | -0.5 | 1.2  | 2.4 |
| 8/14/2020 11:24 PM | -0.3 | -0.4 | -0.5 | 1.1  | 2.4 |
| 8/14/2020 11:30 PM | -0.3 | -0.4 | -0.5 | 1.2  | 2.4 |
| 8/14/2020 11:36 PM | -0.3 | -0.5 | -0.5 | 1.2  | 2.4 |
| 8/14/2020 11:42 PM | -0.3 | -0.5 | -0.5 | 1.2  | 2.4 |
| 8/14/2020 11:48 PM | -0.3 | -0.4 | -0.5 | 1.2  | 2.4 |
| 8/14/2020 11:54 PM | -0.3 | -0.4 | -0.5 | 1.2  | 2.4 |
| 8/15/2020 12:00 AM | -0.3 | -0.4 | -0.5 | 1.2  | 2.5 |
| 8/15/2020 12:06 AM | -0.3 | -0.4 | -0.5 | 1.2  | 2.5 |
| 8/15/2020 12:12 AM | -0.3 | -0.4 | -0.5 | 1.2  | 2.4 |
| 8/15/2020 12:18 AM | -0.3 | -0.4 | -0.5 | 1.3  | 2.4 |
| 8/15/2020 12:24 AM | -0.3 | -0.4 | -0.5 | 1.2  | 2.4 |
| 8/15/2020 12:30 AM | -0.3 | -0.4 | -0.4 | 0.4  | 3.3 |
| 8/15/2020 12:36 AM | -0.3 | -0.4 | -0.4 | -0.5 | 3.6 |
| 8/15/2020 12:42 AM | -0.3 | -0.4 | -0.4 | -0.5 | 3.3 |
| 8/15/2020 12:48 AM | -0.3 | -0.4 | -0.5 | -0.5 | 3.3 |
| 8/15/2020 12:54 AM | -0.3 | -0.4 | -0.5 | -0.5 | 3.3 |
| 8/15/2020 1:00 AM  | -0.3 | -0.4 | -0.5 | -0.5 | 3.2 |
| 8/15/2020 1:06 AM  | -0.3 | -0.4 | -0.5 | -0.5 | 3.2 |
| 8/15/2020 1:12 AM  | -0.3 | -0.4 | -0.5 | -0.5 | 3.3 |
| 8/15/2020 1:18 AM  | -0.3 | -0.4 | -0.5 | -0.5 | 3.3 |
| 8/15/2020 1:24 AM  | -0.3 | -0.4 | -0.5 | -0.5 | 3.3 |
| 8/15/2020 1:30 AM  | -0.3 | -0.4 | -0.5 | -0.5 | 3.3 |
| 8/15/2020 1:36 AM  | -0.4 | -0.4 | -0.5 | -0.5 | 3.3 |
| 8/15/2020 1:42 AM  | -0.3 | -0.4 | -0.5 | -0.5 | 3.3 |
| 8/15/2020 1:48 AM  | -0.4 | -0.4 | -0.5 | -0.5 | 3.3 |
| 8/15/2020 1:54 AM  | -0.4 | -0.4 | -0.5 | -0.5 | 3.3 |
| 8/15/2020 2:00 AM  | -0.4 | -0.4 | -0.5 | -0.5 | 3.2 |
| 8/15/2020 2:06 AM  | -0.4 | -0.4 | -0.5 | -0.5 | 3.2 |
| 8/15/2020 2:12 AM  | -0.4 | -0.3 | -0.5 | -0.5 | 3.2 |
| 8/15/2020 2:18 AM  | -0.4 | -0.3 | -0.5 | -0.5 | 3.2 |
| 8/15/2020 2:24 AM  | -0.4 | -0.3 | -0.5 | -0.5 | 3.2 |
| 8/15/2020 2:30 AM  | -0.4 | -0.4 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 2:36 AM  | -0.4 | -0.4 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 2:42 AM  | -0.4 | -0.4 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 2:48 AM  | -0.4 | -0.3 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 2:54 AM  | -0.4 | -0.3 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 3:00 AM  | -0.4 | -0.3 | -0.5 | -0.5 | 3.0 |
| 8/15/2020 3:06 AM  | -0.3 | -0.3 | -0.5 | -0.5 | 3.0 |
| 8/15/2020 3:12 AM  | -0.4 | -0.3 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 3:18 AM  | -0.4 | -0.2 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 3:24 AM  | -0.4 | -0.2 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 3:30 AM  | -0.4 | -0.2 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 3:36 AM  | -0.4 | -0.2 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 3:42 AM  | -0.4 | -0.2 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 3:48 AM  | -0.4 | -0.2 | -0.5 | -0.5 | 3.1 |



|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 8/15/2020 3:54 AM | -0.4 | -0.2 | -0.5 | -0.5 | 3.1 |
| 8/15/2020 4:00 AM | -0.4 | -0.2 | -0.6 | -0.5 | 3.1 |
| 8/15/2020 4:06 AM | -0.4 | -0.1 | -0.6 | -0.5 | 3.1 |
| 8/15/2020 4:12 AM | -0.4 | -0.1 | -0.6 | -0.5 | 3.0 |
| 8/15/2020 4:18 AM | -0.4 | -0.1 | -0.6 | -0.5 | 3.0 |
| 8/15/2020 4:24 AM | -0.4 | -0.1 | -0.6 | -0.5 | 3.1 |
| 8/15/2020 4:30 AM | -0.4 | -0.1 | -0.6 | -0.5 | 3.1 |
| 8/15/2020 4:36 AM | -0.4 | 0.0  | -0.6 | -0.5 | 3.1 |
| 8/15/2020 4:42 AM | -0.4 | 0.0  | -0.6 | -0.5 | 3.1 |
| 8/15/2020 4:48 AM | -0.4 | 0.0  | -0.6 | -0.5 | 3.0 |
| 8/15/2020 4:54 AM | -0.4 | 0.0  | -0.6 | -0.5 | 3.0 |
| 8/15/2020 5:00 AM | -0.4 | 0.0  | -0.6 | -0.5 | 3.0 |
| 8/15/2020 5:06 AM | -0.4 | 0.0  | -0.6 | -0.5 | 3.1 |
| 8/15/2020 5:12 AM | -0.4 | 0.0  | -0.6 | -0.5 | 3.2 |
| 8/15/2020 5:18 AM | -0.4 | 0.0  | -0.6 | -0.5 | 3.1 |
| 8/15/2020 5:24 AM | -0.4 | 0.0  | -0.6 | -0.5 | 3.1 |
| 8/15/2020 5:30 AM | -0.4 | 0.0  | -0.6 | -0.5 | 3.1 |
| 8/15/2020 5:36 AM | -0.4 | 0.1  | -0.6 | -0.5 | 3.0 |
| 8/15/2020 5:42 AM | -0.4 | 0.1  | -0.7 | -0.5 | 3.0 |
| 8/15/2020 5:48 AM | -0.4 | 0.1  | -0.7 | -0.5 | 3.0 |
| 8/15/2020 5:54 AM | -0.4 | 0.1  | -0.7 | -0.5 | 3.0 |
| 8/15/2020 6:00 AM | -0.4 | 0.1  | -0.7 | -0.5 | 3.0 |
| 8/15/2020 6:06 AM | -0.4 | 0.1  | -0.7 | -0.5 | 3.0 |
| 8/15/2020 6:12 AM | -0.4 | 0.1  | -0.7 | -0.5 | 3.0 |
| 8/15/2020 6:18 AM | -0.4 | 0.2  | -0.7 | -0.5 | 3.0 |
| 8/15/2020 6:24 AM | -0.4 | 0.2  | -0.7 | -0.5 | 2.9 |
| 8/15/2020 6:30 AM | -0.4 | 0.2  | -0.7 | -0.5 | 2.9 |
| 8/15/2020 6:36 AM | -0.4 | 0.2  | -0.7 | -0.5 | 2.9 |
| 8/15/2020 6:42 AM | -0.4 | 0.2  | -0.7 | -0.5 | 2.9 |
| 8/15/2020 6:48 AM | -0.4 | 0.2  | -0.7 | -0.5 | 2.9 |
| 8/15/2020 6:54 AM | -0.4 | 0.2  | -0.7 | -0.5 | 2.9 |
| 8/15/2020 7:00 AM | -0.4 | 0.2  | -0.7 | -0.5 | 2.8 |
| 8/15/2020 7:06 AM | -0.4 | 0.3  | -0.7 | -0.5 | 2.9 |
| 8/15/2020 7:12 AM | -0.4 | 0.3  | -0.7 | -0.5 | 2.9 |
| 8/15/2020 7:18 AM | -0.4 | 0.3  | -0.7 | -0.5 | 2.9 |
| 8/15/2020 7:24 AM | -0.4 | 0.4  | -0.8 | -0.5 | 2.9 |
| 8/15/2020 7:30 AM | -0.4 | 0.4  | -0.8 | -0.5 | 2.9 |
| 8/15/2020 7:36 AM | -0.4 | 0.4  | -0.8 | -0.5 | 4.0 |
| 8/15/2020 7:42 AM | -0.4 | 0.5  | -0.8 | -0.5 | 6.2 |
| 8/15/2020 7:48 AM | -0.4 | 0.5  | -0.9 | -0.5 | 6.6 |
| 8/15/2020 7:54 AM | -0.4 | 0.5  | -0.9 | -0.5 | 6.3 |
| 8/15/2020 8:00 AM | -0.4 | 0.6  | -0.9 | -0.5 | 6.1 |
| 8/15/2020 8:06 AM | -0.4 | 0.6  | -1.0 | -0.5 | 6.1 |
| 8/15/2020 8:12 AM | -0.4 | 0.6  | -1.0 | -0.5 | 6.2 |
| 8/15/2020 8:18 AM | -0.4 | 0.6  | -1.0 | -0.5 | 6.2 |
| 8/15/2020 8:24 AM | -0.4 | 0.6  | -1.0 | -0.5 | 6.2 |
| 8/15/2020 8:30 AM | -0.4 | 0.5  | -0.9 | -0.6 | 6.3 |
| 8/15/2020 8:36 AM | -0.4 | 0.4  | -0.9 | -0.5 | 6.4 |
| 8/15/2020 8:42 AM | -0.4 | 0.2  | -0.9 | -0.5 | 6.4 |
| 8/15/2020 8:48 AM | -0.3 | 0.2  | -0.8 | -0.5 | 6.5 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/15/2020 8:54 AM  | -0.3 | 0.2 | -0.8 | -0.5 | 6.5 |
| 8/15/2020 9:00 AM  | -0.3 | 0.2 | -0.8 | -0.5 | 6.6 |
| 8/15/2020 9:06 AM  | -0.3 | 0.3 | -0.8 | -0.5 | 6.5 |
| 8/15/2020 9:12 AM  | -0.3 | 0.3 | -0.8 | -0.5 | 6.3 |
| 8/15/2020 9:18 AM  | -0.3 | 0.3 | -0.8 | -0.5 | 6.1 |
| 8/15/2020 9:24 AM  | -0.3 | 0.2 | -0.8 | -0.5 | 6.1 |
| 8/15/2020 9:30 AM  | -0.3 | 0.2 | -0.7 | -0.5 | 6.2 |
| 8/15/2020 9:36 AM  | -0.3 | 0.2 | -0.7 | -0.5 | 6.1 |
| 8/15/2020 9:42 AM  | -0.3 | 0.1 | -0.7 | -0.5 | 6.1 |
| 8/15/2020 9:48 AM  | -0.3 | 0.1 | -0.7 | -0.5 | 6.0 |
| 8/15/2020 9:54 AM  | -0.3 | 0.1 | -0.7 | -0.5 | 5.8 |
| 8/15/2020 10:00 AM | -0.3 | 0.0 | -0.7 | -0.5 | 5.8 |
| 8/15/2020 10:06 AM | -0.3 | 0.0 | -0.6 | -0.5 | 5.8 |
| 8/15/2020 10:12 AM | -0.3 | 0.0 | -0.6 | -0.5 | 5.9 |
| 8/15/2020 10:18 AM | -0.3 | 0.0 | -0.6 | -0.5 | 6.0 |
| 8/15/2020 10:24 AM | -0.3 | 0.0 | -0.5 | -0.5 | 6.1 |
| 8/15/2020 10:30 AM | -0.3 | 0.1 | -0.4 | -0.5 | 5.9 |
| 8/15/2020 10:36 AM | -0.3 | 0.1 | -0.4 | -0.5 | 5.8 |
| 8/15/2020 10:42 AM | -0.3 | 0.2 | -0.3 | -0.5 | 5.9 |
| 8/15/2020 10:48 AM | -0.3 | 0.2 | -0.3 | -0.5 | 5.9 |
| 8/15/2020 10:54 AM | -0.3 | 0.2 | -0.3 | -0.5 | 5.8 |
| 8/15/2020 11:00 AM | -0.3 | 0.2 | -0.4 | -0.5 | 5.7 |
| 8/15/2020 11:06 AM | -0.3 | 0.2 | -0.4 | -0.5 | 5.8 |
| 8/15/2020 11:12 AM | -0.3 | 0.3 | -0.4 | -0.5 | 5.8 |
| 8/15/2020 11:18 AM | -0.2 | 0.4 | -0.4 | -0.5 | 5.8 |
| 8/15/2020 11:24 AM | -0.2 | 0.4 | -0.4 | -0.5 | 5.9 |
| 8/15/2020 11:30 AM | -0.2 | 0.3 | -0.4 | -0.5 | 5.9 |
| 8/15/2020 11:36 AM | -0.2 | 0.3 | -0.4 | -0.5 | 5.9 |
| 8/15/2020 11:42 AM | -0.2 | 0.2 | -0.4 | -0.5 | 6.0 |
| 8/15/2020 11:48 AM | -0.2 | 0.2 | -0.4 | -0.5 | 5.7 |
| 8/15/2020 11:54 AM | 3.9  | 0.3 | -0.3 | -0.5 | 5.7 |
| 8/15/2020 12:00 PM | 7.1  | 0.3 | -0.3 | -0.5 | 5.7 |
| 8/15/2020 12:06 PM | 7.1  | 0.4 | -0.2 | -0.5 | 5.7 |
| 8/15/2020 12:12 PM | 5.4  | 0.5 | -0.2 | 8.4  | 4.5 |
| 8/15/2020 12:18 PM | 1.4  | 0.5 | -0.2 | 15.8 | 2.5 |
| 8/15/2020 12:24 PM | 1.5  | 0.6 | -0.3 | 9.4  | 2.0 |
| 8/15/2020 12:30 PM | 1.6  | 0.7 | -0.3 | 4.5  | 2.1 |
| 8/15/2020 12:36 PM | 1.5  | 0.7 | -0.4 | 3.4  | 2.2 |
| 8/15/2020 12:42 PM | 1.4  | 0.8 | -0.4 | 3.0  | 2.2 |
| 8/15/2020 12:48 PM | 1.3  | 0.8 | -0.4 | 2.9  | 2.2 |
| 8/15/2020 12:54 PM | 1.0  | 0.9 | -0.4 | 2.9  | 2.3 |
| 8/15/2020 1:00 PM  | 0.8  | 0.9 | -0.4 | 2.9  | 2.3 |
| 8/15/2020 1:06 PM  | 0.6  | 0.8 | -0.3 | 3.1  | 2.3 |
| 8/15/2020 1:12 PM  | 0.5  | 0.8 | -0.3 | 3.4  | 2.4 |
| 8/15/2020 1:18 PM  | 0.3  | 0.8 | -0.3 | 3.8  | 2.4 |
| 8/15/2020 1:24 PM  | 0.2  | 0.9 | -0.3 | 3.9  | 2.4 |
| 8/15/2020 1:30 PM  | 0.2  | 0.9 | -0.3 | 3.9  | 2.4 |
| 8/15/2020 1:36 PM  | 0.1  | 1.0 | -0.3 | 3.9  | 2.4 |
| 8/15/2020 1:42 PM  | 0.0  | 1.0 | -0.4 | 3.8  | 2.4 |
| 8/15/2020 1:48 PM  | 0.0  | 1.1 | -0.4 | 3.8  | 2.4 |

|                   |          |          |          |          |          |
|-------------------|----------|----------|----------|----------|----------|
| 8/15/2020 1:54 PM | 0.0      | 1.2      | -0.4     | 3.7      | 2.4      |
| 8/15/2020 2:00 PM | -0.1     | 1.3      | -0.5     | 3.4      | 2.4      |
| 8/15/2020 2:06 PM | -0.1     | 1.3      | -0.5     | 3.2      | 2.5      |
| 8/15/2020 2:12 PM | -0.1     | 1.4      | -0.5     | 3.0      | 2.4      |
| 8/15/2020 2:18 PM | -0.1     | 1.4      | -0.5     | 2.9      | 2.4      |
| 8/15/2020 2:24 PM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 8/15/2020 2:30 PM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 8/15/2020 2:36 PM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 8/15/2020 2:42 PM | -0.2     | 1.0      | -0.6     | 2.6      | 2.4      |
| 8/15/2020 2:48 PM | -0.2     | 1.0      | -0.6     | 2.4      | 2.4      |
| 8/15/2020 2:54 PM | -0.3     | 1.0      | -0.6     | 2.1      | 2.4      |
| 8/15/2020 3:00 PM | -0.3     | 1.0      | -0.6     | 2.0      | 2.4      |
| 8/15/2020 3:06 PM | -0.3     | 1.1      | -0.6     | 2.0      | 2.4      |
| 8/15/2020 3:12 PM | -0.3     | 1.1      | -0.6     | 1.9      | 2.4      |
| 8/15/2020 3:18 PM | -0.3     | 1.1      | -0.6     | 2.0      | 2.4      |
| 8/15/2020 3:24 PM | -0.3     | 1.1      | -0.6     | 2.0      | 2.5      |
| 8/15/2020 3:30 PM | -0.3     | 1.2      | -0.6     | 1.8      | 2.4      |
| 8/15/2020 3:36 PM | -0.3     | 1.2      | -0.6     | 1.7      | 2.4      |
| 8/15/2020 3:42 PM | -0.3     | 1.2      | -0.6     | 1.7      | 2.4      |
| 8/15/2020 3:48 PM | -0.3     | 1.2      | -0.6     | 1.8      | 2.4      |
| 8/15/2020 3:54 PM | -0.3     | 1.2      | -0.6     | 1.7      | 2.4      |
| 8/15/2020 4:00 PM | -0.3     | 1.1      | -0.6     | 1.7      | 2.4      |
| 8/15/2020 4:06 PM | -0.3     | 1.1      | -0.6     | 1.7      | 2.4      |
| 8/15/2020 4:12 PM | -0.3     | 1.1      | -0.6     | 1.8      | 2.4      |
| 8/15/2020 4:18 PM | -0.3     | 1.1      | -0.6     | 1.8      | 2.4      |
| 8/15/2020 4:24 PM | -0.4     | 1.1      | -0.6     | 1.8      | 2.4      |
| 8/15/2020 4:30 PM | -0.4     | 1.1      | -0.6     | 1.7      | 2.4      |
| 8/15/2020 4:36 PM | -0.4     | 1.1      | -0.6     | 1.7      | 2.4      |
| 8/15/2020 4:42 PM | -0.4     | 1.1      | -0.6     | 1.6      | 2.4      |
| 8/15/2020 4:48 PM | -0.4     | 1.2      | -0.6     | 1.7      | 2.4      |
| 8/15/2020 4:54 PM | -0.4     | 1.2      | -0.6     | 1.7      | 2.4      |
| 8/15/2020 5:00 PM | -0.4     | 1.2      | -0.6     | 1.7      | 2.4      |
| 8/15/2020 5:06 PM | -0.4     | 1.2      | -0.6     | 1.8      | 2.4      |
| 8/15/2020 5:12 PM | -0.4     | 1.1      | -0.6     | 2.0      | 2.4      |
| 8/15/2020 5:18 PM | -0.4     | 1.1      | -0.6     | 2.3      | 2.3      |
| 8/15/2020 5:24 PM | -0.4     | 1.1      | -0.6     | 2.3      | 2.2      |
| 8/15/2020 5:30 PM | -0.4     | 1.1      | -0.6     | 2.1      | 2.2      |
| 8/15/2020 5:36 PM | -0.4     | 1.2      | -0.6     | 2.0      | 2.2      |
| 8/15/2020 5:42 PM | -0.4     | 1.2      | -0.6     | 1.9      | 2.2      |
| 8/15/2020 5:48 PM | -0.4     | 1.2      | -0.6     | 2.0      | 2.3      |
| 8/15/2020 5:54 PM | -0.4     | 1.2      | -0.6     | 2.0      | 2.3      |
| 8/15/2020 6:00 PM | -0.4     | 1.1      | -0.6     | 1.9      | 2.3      |
| 8/15/2020 6:06 PM | -0.4     | 1.1      | -0.6     | 1.8      | 2.3      |
| 8/15/2020 6:12 PM | -0.4     | 1.1      | -0.6     | 1.9      | 2.3      |
| 8/15/2020 6:18 PM | -0.4     | 1.1      | -0.6     | 2.0      | 2.3      |
| 8/15/2020 6:24 PM | -0.4     | 1.1      | -0.6     | 2.0      | 2.2      |
| 8/15/2020 6:30 PM | -0.4     | 1.1      | -0.6     | 1.9      | 2.2      |
| 8/15/2020 6:36 PM | -0.4     | 1.1      | -0.6     | 1.9      | 2.2      |
| 8/15/2020 6:42 PM | -0.4     | 1.1      | -0.6     | 2.0      | 2.2      |
| 8/15/2020 6:48 PM | -0.4     | 1.1      | -0.6     | 2.0      | 2.2      |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 8/15/2020 6:54 PM  | -0.5 | 1.1 | -0.6 | 2.0 | 2.3 |
| 8/15/2020 7:00 PM  | -0.5 | 1.1 | -0.6 | 1.9 | 2.2 |
| 8/15/2020 7:06 PM  | -0.5 | 1.1 | -0.6 | 2.0 | 2.2 |
| 8/15/2020 7:12 PM  | -0.5 | 1.1 | -0.6 | 1.9 | 2.2 |
| 8/15/2020 7:18 PM  | -0.5 | 1.1 | -0.6 | 1.8 | 2.2 |
| 8/15/2020 7:24 PM  | -0.5 | 1.2 | -0.6 | 1.8 | 2.2 |
| 8/15/2020 7:30 PM  | -0.5 | 1.2 | -0.6 | 1.9 | 2.2 |
| 8/15/2020 7:36 PM  | -0.5 | 1.2 | -0.6 | 1.9 | 2.2 |
| 8/15/2020 7:42 PM  | -0.5 | 1.2 | -0.6 | 2.0 | 2.2 |
| 8/15/2020 7:48 PM  | -0.5 | 1.2 | -0.6 | 2.0 | 2.3 |
| 8/15/2020 7:54 PM  | -0.5 | 1.2 | -0.6 | 2.0 | 2.2 |
| 8/15/2020 8:00 PM  | -0.5 | 1.2 | -0.6 | 2.1 | 2.3 |
| 8/15/2020 8:06 PM  | -0.5 | 1.2 | -0.6 | 2.0 | 2.3 |
| 8/15/2020 8:12 PM  | -0.5 | 1.2 | -0.6 | 1.7 | 2.3 |
| 8/15/2020 8:18 PM  | -0.5 | 1.2 | -0.6 | 1.8 | 2.3 |
| 8/15/2020 8:24 PM  | -0.5 | 1.2 | -0.6 | 1.8 | 2.3 |
| 8/15/2020 8:30 PM  | -0.5 | 1.3 | -0.6 | 1.9 | 2.4 |
| 8/15/2020 8:36 PM  | -0.5 | 1.2 | -0.6 | 2.0 | 2.4 |
| 8/15/2020 8:42 PM  | -0.5 | 1.2 | -0.6 | 2.0 | 2.4 |
| 8/15/2020 8:48 PM  | -0.5 | 1.2 | -0.6 | 2.1 | 2.4 |
| 8/15/2020 8:54 PM  | -0.5 | 1.2 | -0.6 | 2.1 | 2.3 |
| 8/15/2020 9:00 PM  | -0.5 | 1.3 | -0.6 | 2.1 | 2.3 |
| 8/15/2020 9:06 PM  | -0.5 | 1.3 | -0.6 | 2.1 | 2.3 |
| 8/15/2020 9:12 PM  | -0.5 | 1.3 | -0.6 | 2.2 | 2.3 |
| 8/15/2020 9:18 PM  | -0.5 | 1.3 | -0.6 | 2.1 | 2.3 |
| 8/15/2020 9:24 PM  | -0.5 | 1.3 | -0.6 | 2.0 | 2.3 |
| 8/15/2020 9:30 PM  | -0.5 | 1.3 | -0.6 | 2.0 | 2.3 |
| 8/15/2020 9:36 PM  | -0.5 | 1.3 | -0.6 | 2.0 | 2.2 |
| 8/15/2020 9:42 PM  | -0.5 | 1.3 | -0.6 | 1.9 | 2.2 |
| 8/15/2020 9:48 PM  | -0.5 | 1.3 | -0.6 | 1.7 | 2.2 |
| 8/15/2020 9:54 PM  | -0.5 | 1.3 | -0.6 | 1.6 | 2.2 |
| 8/15/2020 10:00 PM | -0.5 | 1.3 | -0.6 | 1.6 | 2.2 |
| 8/15/2020 10:06 PM | -0.5 | 1.3 | -0.6 | 1.6 | 2.2 |
| 8/15/2020 10:12 PM | -0.5 | 1.3 | -0.6 | 1.5 | 2.3 |
| 8/15/2020 10:18 PM | -0.5 | 1.3 | -0.6 | 1.1 | 2.3 |
| 8/15/2020 10:24 PM | -0.5 | 1.3 | -0.6 | 1.1 | 2.3 |
| 8/15/2020 10:30 PM | -0.5 | 1.3 | -0.6 | 1.1 | 2.4 |
| 8/15/2020 10:36 PM | -0.5 | 1.3 | -0.6 | 1.1 | 2.4 |
| 8/15/2020 10:42 PM | -0.5 | 1.3 | -0.6 | 1.1 | 2.4 |
| 8/15/2020 10:48 PM | -0.5 | 1.3 | -0.6 | 1.1 | 2.3 |
| 8/15/2020 10:54 PM | -0.5 | 1.4 | -0.6 | 1.1 | 2.3 |
| 8/15/2020 11:00 PM | -0.5 | 1.4 | -0.6 | 1.1 | 2.3 |
| 8/15/2020 11:06 PM | -0.5 | 1.4 | -0.6 | 1.1 | 2.3 |
| 8/15/2020 11:12 PM | -0.5 | 1.4 | -0.6 | 1.1 | 2.3 |
| 8/15/2020 11:18 PM | -0.5 | 1.4 | -0.6 | 1.1 | 2.3 |
| 8/15/2020 11:24 PM | -0.5 | 1.4 | -0.6 | 1.1 | 2.3 |
| 8/15/2020 11:30 PM | -0.5 | 1.4 | -0.6 | 1.1 | 2.2 |
| 8/15/2020 11:36 PM | -0.5 | 1.4 | -0.6 | 1.0 | 2.2 |
| 8/15/2020 11:42 PM | -0.5 | 1.4 | -0.6 | 1.0 | 2.2 |
| 8/15/2020 11:48 PM | -0.5 | 1.5 | -0.6 | 1.0 | 2.2 |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 8/15/2020 11:54 PM | -0.5 | 1.5 | -0.6 | 1.0 | 2.2 |
| 8/16/2020 12:00 AM | -0.5 | 1.4 | -0.6 | 1.0 | 2.2 |
| 8/16/2020 12:06 AM | -0.5 | 1.4 | -0.6 | 1.0 | 2.2 |
| 8/16/2020 12:12 AM | -0.5 | 1.5 | -0.6 | 1.0 | 2.2 |
| 8/16/2020 12:18 AM | -0.5 | 1.5 | -0.6 | 2.7 | 2.1 |
| 8/16/2020 12:24 AM | -0.5 | 1.5 | -0.6 | 4.8 | 1.9 |
| 8/16/2020 12:30 AM | -0.5 | 1.5 | -0.6 | 4.6 | 1.8 |
| 8/16/2020 12:36 AM | -0.5 | 1.5 | -0.6 | 4.4 | 1.9 |
| 8/16/2020 12:42 AM | -0.5 | 1.5 | -0.6 | 4.3 | 1.4 |
| 8/16/2020 12:48 AM | -0.5 | 1.5 | -0.6 | 4.2 | 0.5 |
| 8/16/2020 12:54 AM | -0.5 | 1.5 | -0.6 | 4.2 | 0.1 |
| 8/16/2020 1:00 AM  | -0.5 | 1.6 | -0.6 | 4.0 | 0.2 |
| 8/16/2020 1:06 AM  | -0.5 | 1.6 | -0.7 | 3.9 | 0.2 |
| 8/16/2020 1:12 AM  | -0.5 | 1.6 | -0.7 | 3.9 | 0.2 |
| 8/16/2020 1:18 AM  | -0.5 | 1.6 | -0.7 | 3.8 | 0.2 |
| 8/16/2020 1:24 AM  | -0.5 | 1.6 | -0.7 | 3.6 | 0.2 |
| 8/16/2020 1:30 AM  | -0.5 | 1.6 | -0.7 | 3.5 | 0.2 |
| 8/16/2020 1:36 AM  | -0.5 | 1.6 | -0.7 | 3.4 | 0.2 |
| 8/16/2020 1:42 AM  | -0.5 | 1.6 | -0.7 | 3.3 | 0.2 |
| 8/16/2020 1:48 AM  | -0.5 | 1.6 | -0.7 | 3.3 | 0.2 |
| 8/16/2020 1:54 AM  | -0.5 | 1.5 | -0.6 | 3.2 | 0.1 |
| 8/16/2020 2:00 AM  | -0.5 | 1.1 | -0.4 | 3.2 | 0.2 |
| 8/16/2020 2:06 AM  | -0.5 | 0.6 | -0.3 | 3.2 | 0.2 |
| 8/16/2020 2:12 AM  | -0.5 | 0.3 | -0.1 | 3.3 | 0.2 |
| 8/16/2020 2:18 AM  | -0.5 | 0.2 | 0.0  | 3.4 | 0.2 |
| 8/16/2020 2:24 AM  | -0.5 | 0.3 | -0.1 | 3.2 | 0.2 |
| 8/16/2020 2:30 AM  | -0.5 | 0.3 | -0.1 | 3.1 | 0.2 |
| 8/16/2020 2:36 AM  | -0.5 | 0.4 | -0.2 | 3.1 | 0.2 |
| 8/16/2020 2:42 AM  | -0.5 | 0.5 | -0.2 | 3.2 | 0.2 |
| 8/16/2020 2:48 AM  | -0.5 | 0.6 | -0.2 | 3.1 | 0.2 |
| 8/16/2020 2:54 AM  | -0.6 | 0.7 | -0.3 | 3.0 | 0.2 |
| 8/16/2020 3:00 AM  | -0.6 | 0.8 | -0.3 | 3.0 | 0.2 |
| 8/16/2020 3:06 AM  | -0.6 | 1.0 | -0.4 | 3.0 | 0.2 |
| 8/16/2020 3:12 AM  | -0.6 | 1.1 | -0.4 | 3.0 | 0.2 |
| 8/16/2020 3:18 AM  | -0.6 | 1.3 | -0.5 | 3.1 | 0.2 |
| 8/16/2020 3:24 AM  | -0.6 | 1.5 | -0.6 | 3.2 | 0.2 |
| 8/16/2020 3:30 AM  | -0.6 | 1.6 | -0.6 | 3.3 | 0.2 |
| 8/16/2020 3:36 AM  | -0.6 | 1.7 | -0.7 | 3.2 | 0.2 |
| 8/16/2020 3:42 AM  | -0.6 | 1.8 | -0.7 | 3.1 | 0.2 |
| 8/16/2020 3:48 AM  | -0.6 | 1.8 | -0.7 | 3.2 | 0.2 |
| 8/16/2020 3:54 AM  | -0.5 | 1.7 | -0.7 | 3.3 | 0.2 |
| 8/16/2020 4:00 AM  | -0.5 | 1.4 | -0.6 | 3.3 | 0.2 |
| 8/16/2020 4:06 AM  | -0.5 | 1.2 | -0.5 | 3.2 | 0.2 |
| 8/16/2020 4:12 AM  | -0.6 | 1.2 | -0.5 | 3.3 | 0.2 |
| 8/16/2020 4:18 AM  | -0.5 | 1.2 | -0.5 | 3.2 | 0.2 |
| 8/16/2020 4:24 AM  | -0.5 | 1.1 | -0.4 | 3.1 | 0.2 |
| 8/16/2020 4:30 AM  | -0.5 | 1.1 | -0.4 | 3.1 | 0.2 |
| 8/16/2020 4:36 AM  | -0.5 | 1.1 | -0.4 | 3.1 | 0.2 |
| 8/16/2020 4:42 AM  | -0.5 | 1.1 | -0.4 | 3.2 | 0.2 |
| 8/16/2020 4:48 AM  | -0.6 | 1.2 | -0.4 | 2.9 | 0.2 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/16/2020 4:54 AM | -0.6 | 1.2 | -0.4 | 2.3 | 0.2 |
| 8/16/2020 5:00 AM | -0.6 | 1.3 | -0.5 | 2.3 | 0.2 |
| 8/16/2020 5:06 AM | -0.6 | 1.3 | -0.5 | 2.3 | 0.2 |
| 8/16/2020 5:12 AM | -0.5 | 1.3 | -0.4 | 2.3 | 0.2 |
| 8/16/2020 5:18 AM | -0.5 | 1.2 | -0.4 | 2.3 | 0.2 |
| 8/16/2020 5:24 AM | -0.5 | 1.2 | -0.4 | 2.3 | 0.2 |
| 8/16/2020 5:30 AM | -0.5 | 1.2 | -0.4 | 2.3 | 0.2 |
| 8/16/2020 5:36 AM | -0.5 | 1.3 | -0.3 | 2.4 | 0.2 |
| 8/16/2020 5:42 AM | -0.5 | 1.3 | -0.3 | 2.5 | 0.2 |
| 8/16/2020 5:48 AM | -0.5 | 1.4 | -0.4 | 2.5 | 0.2 |
| 8/16/2020 5:54 AM | -0.5 | 1.5 | -0.4 | 2.5 | 0.3 |
| 8/16/2020 6:00 AM | -0.5 | 1.6 | -0.4 | 2.5 | 0.3 |
| 8/16/2020 6:06 AM | -0.5 | 1.7 | -0.5 | 2.6 | 0.3 |
| 8/16/2020 6:12 AM | -0.5 | 1.8 | -0.5 | 2.6 | 0.2 |
| 8/16/2020 6:18 AM | -0.5 | 1.9 | -0.5 | 2.6 | 0.2 |
| 8/16/2020 6:24 AM | -0.5 | 1.9 | -0.6 | 2.6 | 0.3 |
| 8/16/2020 6:30 AM | -0.5 | 2.0 | -0.6 | 2.5 | 0.3 |
| 8/16/2020 6:36 AM | -0.5 | 2.0 | -0.6 | 2.5 | 0.3 |
| 8/16/2020 6:42 AM | -0.5 | 2.0 | -0.6 | 2.5 | 0.2 |
| 8/16/2020 6:48 AM | -0.5 | 2.0 | -0.6 | 2.5 | 0.2 |
| 8/16/2020 6:54 AM | -0.5 | 2.0 | -0.7 | 2.5 | 0.2 |
| 8/16/2020 7:00 AM | -0.5 | 2.1 | -0.7 | 2.5 | 0.2 |
| 8/16/2020 7:06 AM | -0.5 | 2.0 | -0.6 | 2.5 | 0.2 |
| 8/16/2020 7:12 AM | -0.5 | 2.0 | -0.6 | 2.5 | 0.2 |
| 8/16/2020 7:18 AM | -0.5 | 2.0 | -0.6 | 2.5 | 0.2 |
| 8/16/2020 7:24 AM | -0.5 | 2.0 | -0.6 | 2.6 | 0.2 |
| 8/16/2020 7:30 AM | -0.5 | 2.0 | -0.6 | 2.6 | 0.2 |
| 8/16/2020 7:36 AM | -0.5 | 2.0 | -0.6 | 2.5 | 0.2 |
| 8/16/2020 7:42 AM | -0.5 | 2.1 | -0.6 | 6.5 | 3.8 |
| 8/16/2020 7:48 AM | -0.5 | 2.1 | -0.6 | 9.5 | 8.3 |
| 8/16/2020 7:54 AM | -0.5 | 2.1 | -0.6 | 8.7 | 8.4 |
| 8/16/2020 8:00 AM | -0.5 | 2.2 | -0.6 | 8.5 | 6.6 |
| 8/16/2020 8:06 AM | -0.5 | 2.2 | -0.6 | 8.5 | 5.5 |
| 8/16/2020 8:12 AM | -0.5 | 2.2 | -0.6 | 8.5 | 4.7 |
| 8/16/2020 8:18 AM | -0.5 | 2.3 | -0.6 | 8.4 | 4.0 |
| 8/16/2020 8:24 AM | -0.5 | 2.3 | -0.6 | 8.3 | 3.5 |
| 8/16/2020 8:30 AM | -0.5 | 2.4 | -0.6 | 8.1 | 3.2 |
| 8/16/2020 8:36 AM | -0.5 | 2.4 | -0.6 | 8.2 | 3.0 |
| 8/16/2020 8:42 AM | -0.5 | 2.4 | -0.7 | 8.0 | 2.9 |
| 8/16/2020 8:48 AM | -0.5 | 2.4 | -0.7 | 4.2 | 2.8 |
| 8/16/2020 8:54 AM | -0.5 | 2.4 | -0.7 | 1.5 | 2.8 |
| 8/16/2020 9:00 AM | -0.5 | 2.4 | -0.7 | 1.6 | 2.8 |
| 8/16/2020 9:06 AM | -0.5 | 2.4 | -0.7 | 1.7 | 2.8 |
| 8/16/2020 9:12 AM | -0.5 | 2.5 | -0.7 | 1.8 | 2.8 |
| 8/16/2020 9:18 AM | -0.5 | 2.5 | -0.7 | 1.8 | 2.7 |
| 8/16/2020 9:24 AM | -0.5 | 2.5 | -0.7 | 1.9 | 2.7 |
| 8/16/2020 9:30 AM | -0.5 | 2.5 | -0.7 | 1.9 | 2.7 |
| 8/16/2020 9:36 AM | -0.5 | 2.5 | -0.7 | 1.9 | 2.7 |
| 8/16/2020 9:42 AM | -0.5 | 2.6 | -0.7 | 1.9 | 2.6 |
| 8/16/2020 9:48 AM | -0.5 | 2.6 | -0.7 | 1.9 | 2.6 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 8/16/2020 9:54 AM  | -0.5 | 2.7  | -0.7 | 1.8 | 2.6 |
| 8/16/2020 10:00 AM | -0.5 | 2.7  | -0.7 | 1.8 | 2.6 |
| 8/16/2020 10:06 AM | -0.5 | 2.7  | -0.7 | 1.9 | 2.6 |
| 8/16/2020 10:12 AM | -0.5 | 2.8  | -0.7 | 2.0 | 2.7 |
| 8/16/2020 10:18 AM | -0.4 | 2.8  | -0.8 | 2.0 | 2.7 |
| 8/16/2020 10:24 AM | -0.4 | 2.8  | -0.8 | 2.0 | 2.7 |
| 8/16/2020 10:30 AM | -0.4 | 2.8  | -0.8 | 2.0 | 2.6 |
| 8/16/2020 10:36 AM | -0.4 | 2.8  | -0.8 | 2.1 | 2.6 |
| 8/16/2020 10:42 AM | -0.4 | 2.8  | -0.8 | 2.1 | 2.6 |
| 8/16/2020 10:48 AM | -0.4 | 2.9  | -0.8 | 2.1 | 2.7 |
| 8/16/2020 10:54 AM | 3.2  | 2.9  | -0.8 | 2.1 | 2.7 |
| 8/16/2020 11:00 AM | 7.0  | 2.9  | -0.8 | 6.1 | 2.6 |
| 8/16/2020 11:06 AM | 6.5  | 2.9  | -0.8 | 9.2 | 2.6 |
| 8/16/2020 11:12 AM | 5.6  | 2.9  | -0.8 | 7.4 | 2.7 |
| 8/16/2020 11:18 AM | 3.1  | 9.2  | -0.8 | 7.4 | 2.7 |
| 8/16/2020 11:24 AM | 3.7  | 11.9 | -0.8 | 7.8 | 2.8 |
| 8/16/2020 11:30 AM | 2.3  | 6.5  | -0.8 | 7.9 | 2.8 |
| 8/16/2020 11:36 AM | 2.0  | 6.1  | -0.8 | 7.7 | 2.8 |
| 8/16/2020 11:42 AM | 2.3  | 5.4  | -0.8 | 7.4 | 4.3 |
| 8/16/2020 11:48 AM | 2.2  | 4.3  | -0.8 | 7.3 | 8.6 |
| 8/16/2020 11:54 AM | 2.2  | 3.5  | -0.8 | 7.4 | 9.6 |
| 8/16/2020 12:00 PM | 1.9  | 3.0  | -0.8 | 7.6 | 8.6 |
| 8/16/2020 12:06 PM | 0.1  | 2.5  | -0.9 | 7.8 | 7.1 |
| 8/16/2020 12:12 PM | -0.4 | 2.5  | -0.9 | 7.8 | 6.9 |
| 8/16/2020 12:18 PM | -0.7 | 2.3  | -0.8 | 7.9 | 6.6 |
| 8/16/2020 12:24 PM | -0.8 | 2.2  | -0.8 | 7.9 | 6.5 |
| 8/16/2020 12:30 PM | -0.9 | 2.1  | -0.8 | 7.9 | 6.6 |
| 8/16/2020 12:36 PM | -1.0 | 2.1  | -0.8 | 8.0 | 6.8 |
| 8/16/2020 12:42 PM | -1.1 | 2.1  | -0.8 | 8.1 | 6.9 |
| 8/16/2020 12:48 PM | -1.2 | 2.1  | -0.8 | 8.0 | 7.2 |
| 8/16/2020 12:54 PM | -1.2 | 2.1  | -0.8 | 7.9 | 7.0 |
| 8/16/2020 1:00 PM  | -1.3 | 2.3  | -0.8 | 7.9 | 6.7 |
| 8/16/2020 1:06 PM  | -1.3 | 2.4  | -0.9 | 5.2 | 4.7 |
| 8/16/2020 1:12 PM  | -1.3 | 2.4  | -0.9 | 1.9 | 2.5 |
| 8/16/2020 1:18 PM  | -1.3 | 2.5  | -0.9 | 1.4 | 2.3 |
| 8/16/2020 1:24 PM  | -1.4 | 2.5  | -0.9 | 1.6 | 2.4 |
| 8/16/2020 1:30 PM  | -1.4 | 2.3  | -0.8 | 1.7 | 2.5 |
| 8/16/2020 1:36 PM  | -1.4 | 1.9  | -0.7 | 1.7 | 2.5 |
| 8/16/2020 1:42 PM  | -1.4 | 1.6  | -0.6 | 1.8 | 2.6 |
| 8/16/2020 1:48 PM  | -1.4 | 1.6  | -0.6 | 1.7 | 2.6 |
| 8/16/2020 1:54 PM  | -1.4 | 1.7  | -0.6 | 1.7 | 2.6 |
| 8/16/2020 2:00 PM  | -1.4 | 1.7  | -0.7 | 1.7 | 2.6 |
| 8/16/2020 2:06 PM  | -1.5 | 1.8  | -0.7 | 1.7 | 2.6 |
| 8/16/2020 2:12 PM  | -1.5 | 2.0  | -0.7 | 1.8 | 2.6 |
| 8/16/2020 2:18 PM  | -1.5 | 2.1  | -0.7 | 1.7 | 2.6 |
| 8/16/2020 2:24 PM  | -1.5 | 2.2  | -0.8 | 1.7 | 2.7 |
| 8/16/2020 2:30 PM  | -1.5 | 2.3  | -0.8 | 1.8 | 2.7 |
| 8/16/2020 2:36 PM  | -1.5 | 2.4  | -0.9 | 1.8 | 2.6 |
| 8/16/2020 2:42 PM  | -1.5 | 2.5  | -0.9 | 1.9 | 2.6 |
| 8/16/2020 2:48 PM  | -1.5 | 2.5  | -0.9 | 1.9 | 2.6 |



|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 8/16/2020 2:54 PM | -1.5 | 2.6 | -0.9 | 2.0 | 2.6 |
| 8/16/2020 3:00 PM | -1.5 | 2.5 | -0.9 | 2.0 | 2.6 |
| 8/16/2020 3:06 PM | -1.5 | 2.6 | -0.9 | 1.8 | 2.5 |
| 8/16/2020 3:12 PM | -1.5 | 2.6 | -0.9 | 1.2 | 2.3 |
| 8/16/2020 3:18 PM | -1.5 | 2.3 | -0.9 | 1.0 | 2.3 |
| 8/16/2020 3:24 PM | -1.5 | 1.8 | -0.7 | 1.1 | 2.3 |
| 8/16/2020 3:30 PM | -1.5 | 1.5 | -0.6 | 1.1 | 2.3 |
| 8/16/2020 3:36 PM | -1.5 | 1.5 | -0.6 | 1.1 | 2.3 |
| 8/16/2020 3:42 PM | -1.5 | 1.6 | -0.6 | 1.1 | 2.3 |
| 8/16/2020 3:48 PM | -1.5 | 1.7 | -0.7 | 1.2 | 2.4 |
| 8/16/2020 3:54 PM | -1.5 | 1.8 | -0.7 | 1.1 | 2.3 |
| 8/16/2020 4:00 PM | -1.5 | 2.0 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 4:06 PM | -1.5 | 2.1 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 4:12 PM | -1.5 | 2.2 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 4:18 PM | -1.5 | 2.3 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 4:24 PM | -1.5 | 2.3 | -0.9 | 1.1 | 2.4 |
| 8/16/2020 4:30 PM | -1.5 | 2.3 | -0.9 | 1.1 | 2.4 |
| 8/16/2020 4:36 PM | -1.5 | 2.3 | -0.9 | 1.2 | 2.5 |
| 8/16/2020 4:42 PM | -1.5 | 2.4 | -0.9 | 1.1 | 2.5 |
| 8/16/2020 4:48 PM | -1.5 | 2.3 | -0.9 | 1.1 | 2.4 |
| 8/16/2020 4:54 PM | -1.5 | 2.3 | -0.9 | 1.2 | 2.4 |
| 8/16/2020 5:00 PM | -1.5 | 2.4 | -0.9 | 1.2 | 2.4 |
| 8/16/2020 5:06 PM | -1.5 | 2.4 | -0.9 | 1.2 | 2.4 |
| 8/16/2020 5:12 PM | -1.5 | 2.4 | -0.9 | 1.1 | 2.4 |
| 8/16/2020 5:18 PM | -1.5 | 2.3 | -0.9 | 1.2 | 2.4 |
| 8/16/2020 5:24 PM | -1.5 | 2.3 | -0.9 | 1.2 | 2.3 |
| 8/16/2020 5:30 PM | -1.5 | 2.3 | -0.9 | 1.1 | 2.3 |
| 8/16/2020 5:36 PM | -1.5 | 2.3 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 5:42 PM | -1.5 | 2.3 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 5:48 PM | -1.5 | 2.3 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 5:54 PM | -1.5 | 2.3 | -0.8 | 1.1 | 2.3 |
| 8/16/2020 6:00 PM | -1.5 | 2.2 | -0.8 | 1.2 | 2.4 |
| 8/16/2020 6:06 PM | -1.5 | 2.2 | -0.8 | 1.1 | 2.3 |
| 8/16/2020 6:12 PM | -1.5 | 2.2 | -0.8 | 1.1 | 2.3 |
| 8/16/2020 6:18 PM | -1.5 | 2.2 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 6:24 PM | -1.5 | 2.1 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 6:30 PM | -1.5 | 2.1 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 6:36 PM | -1.5 | 2.1 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 6:42 PM | -1.5 | 2.0 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 6:48 PM | -1.5 | 2.0 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 6:54 PM | -1.5 | 2.0 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 7:00 PM | -1.5 | 2.0 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 7:06 PM | -1.5 | 1.9 | -0.8 | 1.0 | 2.4 |
| 8/16/2020 7:12 PM | -1.5 | 1.9 | -0.8 | 1.0 | 2.4 |
| 8/16/2020 7:18 PM | -1.5 | 1.9 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 7:24 PM | -1.5 | 1.9 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 7:30 PM | -1.5 | 1.9 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 7:36 PM | -1.5 | 1.9 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 7:42 PM | -1.5 | 1.9 | -0.8 | 1.1 | 2.4 |
| 8/16/2020 7:48 PM | -1.5 | 1.9 | -0.7 | 1.2 | 2.5 |



|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/16/2020 7:54 PM  | -1.5 | 1.9 | -0.7 | 1.1  | 2.4 |
| 8/16/2020 8:00 PM  | -1.5 | 1.9 | -0.7 | 1.1  | 2.4 |
| 8/16/2020 8:06 PM  | -1.5 | 1.9 | -0.7 | 1.1  | 2.5 |
| 8/16/2020 8:12 PM  | -1.5 | 1.9 | -0.7 | 1.1  | 2.5 |
| 8/16/2020 8:18 PM  | -1.5 | 1.9 | -0.8 | 1.1  | 2.5 |
| 8/16/2020 8:24 PM  | -1.5 | 1.9 | -0.8 | 1.1  | 2.5 |
| 8/16/2020 8:30 PM  | -1.5 | 2.0 | -0.8 | 1.1  | 2.5 |
| 8/16/2020 8:36 PM  | -1.6 | 2.0 | -0.8 | 1.1  | 2.5 |
| 8/16/2020 8:42 PM  | -1.6 | 2.0 | -0.8 | 1.1  | 2.4 |
| 8/16/2020 8:48 PM  | -1.6 | 2.0 | -0.8 | 1.1  | 2.4 |
| 8/16/2020 8:54 PM  | -1.6 | 2.0 | -0.8 | 1.1  | 2.4 |
| 8/16/2020 9:00 PM  | -1.6 | 2.0 | -0.8 | 1.1  | 2.3 |
| 8/16/2020 9:06 PM  | -1.6 | 2.0 | -0.8 | 1.0  | 2.3 |
| 8/16/2020 9:12 PM  | -1.6 | 2.1 | -0.7 | 1.1  | 2.3 |
| 8/16/2020 9:18 PM  | -1.6 | 2.1 | -0.7 | 1.1  | 2.4 |
| 8/16/2020 9:24 PM  | -1.6 | 2.1 | -0.7 | 1.0  | 2.4 |
| 8/16/2020 9:30 PM  | -1.6 | 2.1 | -0.7 | 1.0  | 2.4 |
| 8/16/2020 9:36 PM  | -1.6 | 2.1 | -0.7 | 1.0  | 2.3 |
| 8/16/2020 9:42 PM  | -1.6 | 2.1 | -0.7 | 1.0  | 2.3 |
| 8/16/2020 9:48 PM  | -1.6 | 2.1 | -0.7 | 1.0  | 2.3 |
| 8/16/2020 9:54 PM  | -1.6 | 2.1 | -0.7 | 0.9  | 2.3 |
| 8/16/2020 10:00 PM | -1.6 | 2.1 | -0.7 | 0.7  | 2.2 |
| 8/16/2020 10:06 PM | -1.6 | 2.1 | -0.7 | 0.6  | 2.1 |
| 8/16/2020 10:12 PM | -1.6 | 2.1 | -0.7 | 0.6  | 2.1 |
| 8/16/2020 10:18 PM | -1.6 | 2.1 | -0.7 | 0.7  | 2.1 |
| 8/16/2020 10:24 PM | -1.6 | 2.1 | -0.7 | 0.7  | 2.1 |
| 8/16/2020 10:30 PM | -1.6 | 2.1 | -0.7 | 0.7  | 2.1 |
| 8/16/2020 10:36 PM | -1.6 | 2.1 | -0.7 | 0.7  | 2.1 |
| 8/16/2020 10:42 PM | -1.6 | 2.1 | -0.7 | 0.7  | 2.1 |
| 8/16/2020 10:48 PM | -1.6 | 2.1 | -0.7 | 0.8  | 2.1 |
| 8/16/2020 10:54 PM | -1.6 | 2.1 | -0.7 | 0.7  | 2.1 |
| 8/16/2020 11:00 PM | -1.6 | 2.1 | -0.7 | 0.7  | 2.1 |
| 8/16/2020 11:06 PM | -1.6 | 2.1 | -0.7 | 0.7  | 2.1 |
| 8/16/2020 11:12 PM | -1.6 | 2.1 | -0.7 | 0.7  | 2.1 |
| 8/16/2020 11:18 PM | -1.5 | 2.1 | -0.7 | 0.7  | 2.1 |
| 8/16/2020 11:24 PM | -1.5 | 2.1 | -0.7 | 0.8  | 2.2 |
| 8/16/2020 11:30 PM | -1.5 | 2.1 | -0.7 | 0.8  | 2.2 |
| 8/16/2020 11:36 PM | -1.5 | 2.1 | -0.7 | 0.8  | 2.2 |
| 8/16/2020 11:42 PM | -1.5 | 2.1 | -0.7 | 0.8  | 2.2 |
| 8/16/2020 11:48 PM | -1.5 | 2.1 | -0.7 | 0.6  | 2.7 |
| 8/16/2020 11:54 PM | -1.5 | 2.1 | -0.7 | -0.3 | 3.3 |
| 8/17/2020 12:00 AM | -1.5 | 2.1 | -0.7 | -0.7 | 3.2 |
| 8/17/2020 12:06 AM | -1.5 | 2.1 | -0.7 | -0.7 | 3.1 |
| 8/17/2020 12:12 AM | -1.5 | 2.1 | -0.7 | -0.7 | 3.0 |
| 8/17/2020 12:18 AM | -1.5 | 2.0 | -0.7 | -0.7 | 2.9 |
| 8/17/2020 12:24 AM | -1.5 | 2.0 | -0.7 | -0.7 | 2.9 |
| 8/17/2020 12:30 AM | -1.5 | 1.9 | -0.7 | -0.7 | 2.8 |
| 8/17/2020 12:36 AM | -1.5 | 1.9 | -0.7 | -0.7 | 2.8 |
| 8/17/2020 12:42 AM | -1.5 | 1.9 | -0.7 | -0.7 | 2.8 |
| 8/17/2020 12:48 AM | -1.5 | 2.0 | -0.7 | -0.7 | 2.8 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/17/2020 12:54 AM | -1.5 | 2.0 | -0.7 | -0.8 | 2.8 |
| 8/17/2020 1:00 AM  | -1.5 | 2.0 | -0.7 | -0.8 | 2.7 |
| 8/17/2020 1:06 AM  | -1.5 | 2.0 | -0.7 | -0.8 | 2.7 |
| 8/17/2020 1:12 AM  | -1.5 | 2.0 | -0.7 | -0.7 | 2.8 |
| 8/17/2020 1:18 AM  | -1.5 | 2.0 | -0.7 | -0.8 | 2.9 |
| 8/17/2020 1:24 AM  | -1.5 | 2.0 | -0.8 | -0.8 | 2.9 |
| 8/17/2020 1:30 AM  | -1.5 | 2.0 | -0.8 | -0.8 | 2.9 |
| 8/17/2020 1:36 AM  | -1.5 | 2.0 | -0.8 | -0.8 | 2.9 |
| 8/17/2020 1:42 AM  | -1.5 | 2.0 | -0.8 | -0.8 | 2.9 |
| 8/17/2020 1:48 AM  | -1.5 | 2.0 | -0.8 | -0.8 | 2.9 |
| 8/17/2020 1:54 AM  | -1.5 | 2.0 | -0.8 | -0.8 | 2.9 |
| 8/17/2020 2:00 AM  | -1.5 | 2.0 | -0.8 | -0.8 | 2.9 |
| 8/17/2020 2:06 AM  | -1.5 | 1.9 | -0.7 | -0.8 | 3.0 |
| 8/17/2020 2:12 AM  | -1.5 | 1.9 | -0.7 | -0.8 | 2.9 |
| 8/17/2020 2:18 AM  | -1.5 | 1.9 | -0.7 | -0.7 | 3.0 |
| 8/17/2020 2:24 AM  | -1.5 | 1.8 | -0.7 | -0.7 | 3.0 |
| 8/17/2020 2:30 AM  | -1.5 | 1.7 | -0.7 | -0.7 | 3.0 |
| 8/17/2020 2:36 AM  | -1.5 | 1.6 | -0.7 | -0.7 | 2.9 |
| 8/17/2020 2:42 AM  | -1.5 | 1.6 | -0.7 | -0.7 | 2.9 |
| 8/17/2020 2:48 AM  | -1.5 | 1.5 | -0.7 | -0.7 | 2.8 |
| 8/17/2020 2:54 AM  | -1.5 | 1.5 | -0.7 | -0.7 | 2.9 |
| 8/17/2020 3:00 AM  | -1.5 | 1.5 | -0.7 | -0.7 | 2.9 |
| 8/17/2020 3:06 AM  | -1.5 | 1.4 | -0.7 | -0.7 | 2.9 |
| 8/17/2020 3:12 AM  | -1.5 | 1.4 | -0.7 | -0.7 | 2.9 |
| 8/17/2020 3:18 AM  | -1.5 | 1.4 | -0.7 | -0.7 | 2.9 |
| 8/17/2020 3:24 AM  | -1.5 | 1.4 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 3:30 AM  | -1.5 | 1.4 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 3:36 AM  | -1.5 | 1.4 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 3:42 AM  | -1.5 | 1.4 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 3:48 AM  | -1.5 | 1.4 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 3:54 AM  | -1.5 | 1.4 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 4:00 AM  | -1.5 | 1.4 | -0.6 | -0.7 | 3.0 |
| 8/17/2020 4:06 AM  | -1.5 | 1.4 | -0.6 | -0.7 | 3.0 |
| 8/17/2020 4:12 AM  | -1.5 | 1.4 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 4:18 AM  | -1.5 | 1.4 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 4:24 AM  | -1.5 | 1.5 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 4:30 AM  | -1.5 | 1.5 | -0.6 | -0.7 | 2.8 |
| 8/17/2020 4:36 AM  | -1.5 | 1.5 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 4:42 AM  | -1.5 | 1.5 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 4:48 AM  | -1.5 | 1.5 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 4:54 AM  | -1.5 | 1.5 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 5:00 AM  | -1.5 | 1.5 | -0.6 | -0.7 | 3.0 |
| 8/17/2020 5:06 AM  | -1.5 | 1.5 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 5:12 AM  | -1.5 | 1.5 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 5:18 AM  | -1.5 | 1.5 | -0.6 | -0.7 | 2.9 |
| 8/17/2020 5:24 AM  | -1.5 | 1.6 | -0.7 | -0.7 | 2.9 |
| 8/17/2020 5:30 AM  | -1.6 | 1.8 | -0.7 | -0.7 | 3.0 |
| 8/17/2020 5:36 AM  | -1.6 | 2.1 | -0.8 | -0.7 | 3.0 |
| 8/17/2020 5:42 AM  | -1.6 | 2.3 | -0.9 | -0.7 | 3.0 |
| 8/17/2020 5:48 AM  | -1.6 | 2.5 | -1.0 | -0.7 | 3.0 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 8/17/2020 5:54 AM  | -1.6 | 2.6  | -1.1 | -0.7 | 3.1 |
| 8/17/2020 6:00 AM  | -1.6 | 2.7  | -1.1 | -0.7 | 3.1 |
| 8/17/2020 6:06 AM  | -1.6 | 2.7  | -1.1 | -0.7 | 3.0 |
| 8/17/2020 6:12 AM  | -1.6 | 2.7  | -1.1 | -0.7 | 3.0 |
| 8/17/2020 6:18 AM  | -1.6 | 2.7  | -1.1 | -0.7 | 2.9 |
| 8/17/2020 6:24 AM  | -1.6 | 2.6  | -1.1 | -0.7 | 2.9 |
| 8/17/2020 6:30 AM  | -1.6 | 2.5  | -1.1 | -0.7 | 2.8 |
| 8/17/2020 6:36 AM  | -1.6 | 2.3  | -1.1 | -0.7 | 2.9 |
| 8/17/2020 6:42 AM  | -1.6 | 2.1  | -1.1 | -0.8 | 3.0 |
| 8/17/2020 6:48 AM  | -1.5 | 2.0  | -1.1 | -0.8 | 3.0 |
| 8/17/2020 6:54 AM  | -1.5 | 1.8  | -1.1 | -0.8 | 3.0 |
| 8/17/2020 7:00 AM  | -1.5 | 1.6  | -1.1 | -0.8 | 3.0 |
| 8/17/2020 7:06 AM  | -1.5 | 1.5  | -1.1 | -0.8 | 4.6 |
| 8/17/2020 7:12 AM  | -1.5 | 1.4  | -1.1 | -0.8 | 7.3 |
| 8/17/2020 7:18 AM  | -1.5 | 1.3  | -1.1 | -0.8 | 7.5 |
| 8/17/2020 7:24 AM  | -1.5 | 1.2  | -1.1 | -0.8 | 7.0 |
| 8/17/2020 7:30 AM  | -1.5 | 1.1  | -1.1 | -0.8 | 6.7 |
| 8/17/2020 7:36 AM  | -1.5 | 1.0  | -1.1 | -0.8 | 6.6 |
| 8/17/2020 7:42 AM  | -1.5 | 1.0  | -1.1 | -0.8 | 6.6 |
| 8/17/2020 7:48 AM  | -1.5 | 1.0  | -1.0 | -0.8 | 6.6 |
| 8/17/2020 7:54 AM  | -1.4 | 1.0  | -1.0 | -0.8 | 6.5 |
| 8/17/2020 8:00 AM  | -1.4 | 1.1  | -1.0 | -0.8 | 6.4 |
| 8/17/2020 8:06 AM  | -1.4 | 1.1  | -0.9 | -0.8 | 6.2 |
| 8/17/2020 8:12 AM  | -1.4 | 1.2  | -0.8 | -0.8 | 6.3 |
| 8/17/2020 8:18 AM  | -1.4 | 1.2  | -0.6 | -0.8 | 6.2 |
| 8/17/2020 8:24 AM  | -1.4 | 1.2  | -0.4 | -0.8 | 6.2 |
| 8/17/2020 8:30 AM  | -1.4 | 1.2  | -0.1 | -0.8 | 6.2 |
| 8/17/2020 8:36 AM  | -1.4 | 1.1  | -0.1 | -0.8 | 6.1 |
| 8/17/2020 8:42 AM  | -1.4 | 0.9  | -0.1 | -0.8 | 6.3 |
| 8/17/2020 8:48 AM  | -1.4 | 0.7  | -0.1 | -0.8 | 6.5 |
| 8/17/2020 8:54 AM  | -1.4 | 0.5  | -0.1 | -0.8 | 6.4 |
| 8/17/2020 9:00 AM  | -1.3 | 0.2  | -0.1 | -0.8 | 6.0 |
| 8/17/2020 9:06 AM  | -1.3 | 0.0  | -0.1 | -0.8 | 5.7 |
| 8/17/2020 9:12 AM  | 12.5 | -0.1 | -0.1 | -0.8 | 5.2 |
| 8/17/2020 9:18 AM  | 17.5 | -0.1 | -0.1 | -0.8 | 3.1 |
| 8/17/2020 9:24 AM  | 6.4  | -0.1 | -0.1 | -0.8 | 2.0 |
| 8/17/2020 9:30 AM  | 4.9  | -0.1 | -0.1 | -0.8 | 2.0 |
| 8/17/2020 9:36 AM  | 2.7  | -0.1 | -0.1 | -0.8 | 2.1 |
| 8/17/2020 9:42 AM  | 1.5  | -0.1 | -0.1 | -0.8 | 2.2 |
| 8/17/2020 9:48 AM  | 1.0  | -0.1 | -0.1 | -0.8 | 2.2 |
| 8/17/2020 9:54 AM  | 0.1  | -0.2 | -0.1 | -0.8 | 2.2 |
| 8/17/2020 10:00 AM | -0.1 | -0.2 | -0.1 | -0.8 | 2.2 |
| 8/17/2020 10:06 AM | -0.2 | -0.3 | -0.1 | -0.7 | 2.2 |
| 8/17/2020 10:12 AM | -0.3 | -0.3 | -0.1 | -0.7 | 2.2 |
| 8/17/2020 10:18 AM | -0.3 | -0.3 | -0.1 | -0.7 | 2.2 |
| 8/17/2020 10:24 AM | -0.3 | -0.3 | -0.1 | -0.8 | 2.3 |
| 8/17/2020 10:30 AM | -0.4 | -0.3 | 0.0  | -0.7 | 2.3 |
| 8/17/2020 10:36 AM | -0.4 | -0.3 | 0.0  | -0.7 | 2.3 |
| 8/17/2020 10:42 AM | -0.4 | -0.3 | 0.1  | -0.7 | 2.3 |
| 8/17/2020 10:48 AM | -0.5 | -0.2 | 0.0  | -0.7 | 2.3 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 8/17/2020 10:54 AM | -0.5 | -0.2 | 0.0  | -0.7 | 2.3 |
| 8/17/2020 11:00 AM | -0.6 | -0.2 | -0.1 | -0.7 | 2.3 |
| 8/17/2020 11:06 AM | -0.6 | -0.2 | -0.2 | -0.7 | 2.2 |
| 8/17/2020 11:12 AM | -0.6 | -0.2 | -0.2 | -0.7 | 2.3 |
| 8/17/2020 11:18 AM | -0.5 | -0.2 | -0.2 | -0.7 | 2.4 |
| 8/17/2020 11:24 AM | -0.4 | -0.2 | -0.2 | -0.7 | 2.4 |
| 8/17/2020 11:30 AM | -0.2 | -0.2 | -0.2 | -0.7 | 2.4 |
| 8/17/2020 11:36 AM | -0.1 | -0.2 | -0.2 | -0.7 | 2.3 |
| 8/17/2020 11:42 AM | -0.1 | -0.2 | -0.1 | -0.7 | 2.3 |
| 8/17/2020 11:48 AM | -0.1 | -0.2 | -0.1 | -0.7 | 2.3 |
| 8/17/2020 11:54 AM | -0.1 | -0.2 | 0.0  | -0.7 | 2.3 |
| 8/17/2020 12:00 PM | 0.2  | -0.1 | 0.1  | -0.7 | 2.4 |
| 8/17/2020 12:06 PM | 1.1  | 0.3  | 0.2  | -0.6 | 2.5 |
| 8/17/2020 12:12 PM | 1.1  | 0.3  | 0.2  | -0.6 | 2.5 |
| 8/17/2020 12:18 PM | 1.1  | 0.2  | 0.2  | -0.6 | 2.5 |
| 8/17/2020 12:24 PM | 1.1  | 0.2  | 0.1  | -0.6 | 2.6 |
| 8/17/2020 12:30 PM | 1.0  | 0.2  | 0.0  | -0.6 | 2.5 |
| 8/17/2020 12:36 PM | 0.9  | 0.3  | -0.1 | -0.6 | 2.5 |
| 8/17/2020 12:42 PM | 0.8  | 0.4  | -0.2 | -0.6 | 2.5 |
| 8/17/2020 12:48 PM | 0.7  | 0.5  | -0.3 | -0.6 | 2.6 |
| 8/17/2020 12:54 PM | 0.7  | 0.6  | -0.4 | -0.6 | 2.6 |
| 8/17/2020 1:00 PM  | 0.7  | 0.7  | -0.4 | -0.6 | 2.6 |
| 8/17/2020 1:06 PM  | 0.6  | 0.7  | -0.4 | -0.6 | 2.6 |
| 8/17/2020 1:12 PM  | 0.6  | 0.7  | -0.3 | -0.6 | 2.6 |
| 8/17/2020 1:18 PM  | 0.6  | 0.6  | -0.3 | -0.6 | 2.6 |
| 8/17/2020 1:24 PM  | 0.5  | 0.5  | -0.2 | -0.6 | 2.7 |
| 8/17/2020 1:30 PM  | 0.5  | 0.4  | -0.1 | -0.6 | 2.6 |
| 8/17/2020 1:36 PM  | 0.5  | 0.4  | -0.1 | -0.6 | 2.6 |
| 8/17/2020 1:42 PM  | 0.5  | 0.4  | -0.1 | -0.6 | 2.6 |
| 8/17/2020 1:48 PM  | 0.5  | 0.4  | -0.1 | -0.6 | 2.6 |
| 8/17/2020 1:54 PM  | 0.5  | 0.5  | -0.2 | -0.6 | 2.7 |
| 8/17/2020 2:00 PM  | 0.5  | 0.6  | -0.3 | -0.5 | 2.7 |
| 8/17/2020 2:06 PM  | 0.5  | 0.8  | -0.4 | -0.5 | 2.7 |
| 8/17/2020 2:12 PM  | 0.5  | 1.0  | -0.5 | -0.5 | 2.7 |
| 8/17/2020 2:18 PM  | 0.5  | 1.2  | -0.6 | -0.5 | 2.6 |
| 8/17/2020 2:24 PM  | 0.5  | 1.4  | -0.6 | -0.5 | 2.6 |
| 8/17/2020 2:30 PM  | 0.5  | 1.4  | -0.6 | -0.5 | 2.6 |
| 8/17/2020 2:36 PM  | 0.5  | 1.3  | -0.6 | -0.5 | 2.6 |
| 8/17/2020 2:42 PM  | 0.5  | 1.2  | -0.5 | -0.5 | 2.5 |
| 8/17/2020 2:48 PM  | 0.5  | 1.0  | -0.4 | -0.5 | 2.5 |
| 8/17/2020 2:54 PM  | 0.4  | 0.8  | -0.4 | -0.5 | 2.5 |
| 8/17/2020 3:00 PM  | 0.4  | 0.8  | -0.4 | -0.5 | 2.5 |
| 8/17/2020 3:06 PM  | 0.5  | 0.9  | -0.5 | -0.5 | 2.5 |
| 8/17/2020 3:12 PM  | 0.5  | 1.0  | -0.5 | -0.5 | 2.5 |
| 8/17/2020 3:18 PM  | 0.5  | 1.2  | -0.6 | -0.5 | 2.5 |
| 8/17/2020 3:24 PM  | 0.5  | 1.4  | -0.6 | -0.5 | 2.6 |
| 8/17/2020 3:30 PM  | 0.5  | 1.5  | -0.7 | -0.5 | 2.6 |
| 8/17/2020 3:36 PM  | 0.5  | 1.6  | -0.7 | -0.5 | 2.7 |
| 8/17/2020 3:42 PM  | 0.5  | 1.7  | -0.7 | -0.5 | 2.7 |
| 8/17/2020 3:48 PM  | 0.5  | 1.8  | -0.7 | -0.5 | 2.7 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 8/17/2020 3:54 PM | 0.5 | 1.9  | -0.7 | -0.5 | 2.6 |
| 8/17/2020 4:00 PM | 0.5 | 2.0  | -0.8 | -0.5 | 2.6 |
| 8/17/2020 4:06 PM | 0.5 | 2.2  | -0.8 | -0.5 | 2.6 |
| 8/17/2020 4:12 PM | 0.5 | 2.2  | -0.8 | -0.5 | 2.6 |
| 8/17/2020 4:18 PM | 0.5 | 2.3  | -0.8 | -0.5 | 2.6 |
| 8/17/2020 4:24 PM | 0.5 | 2.3  | -0.8 | -0.5 | 2.5 |
| 8/17/2020 4:30 PM | 0.5 | 2.4  | -0.8 | -0.5 | 2.5 |
| 8/17/2020 4:36 PM | 0.5 | 2.4  | -0.8 | -0.5 | 2.4 |
| 8/17/2020 4:42 PM | 0.5 | 14.4 | -0.8 | -0.5 | 1.6 |
| 8/17/2020 4:48 PM | 0.5 | 16.3 | -0.8 | -0.5 | 0.3 |
| 8/17/2020 4:54 PM | 0.4 | 11.1 | -0.9 | -0.5 | 0.0 |
| 8/17/2020 5:00 PM | 0.7 | 8.8  | -0.9 | -0.5 | 0.0 |
| 8/17/2020 5:06 PM | 0.8 | 5.2  | -0.9 | -0.5 | 0.0 |
| 8/17/2020 5:12 PM | 0.5 | 4.4  | -0.8 | -0.5 | 0.0 |
| 8/17/2020 5:18 PM | 0.5 | 4.2  | -0.8 | -0.5 | 0.0 |
| 8/17/2020 5:24 PM | 0.5 | 4.0  | -0.8 | -0.5 | 0.0 |
| 8/17/2020 5:30 PM | 0.5 | 4.0  | -0.8 | -0.5 | 0.0 |
| 8/17/2020 5:36 PM | 0.5 | 4.0  | -0.8 | -0.5 | 0.0 |
| 8/17/2020 5:42 PM | 0.5 | 3.8  | -0.8 | -0.5 | 0.0 |
| 8/17/2020 5:48 PM | 0.5 | 3.2  | -0.8 | -0.5 | 0.0 |
| 8/17/2020 5:54 PM | 0.5 | 2.5  | -0.8 | -0.5 | 0.0 |
| 8/17/2020 6:00 PM | 0.5 | 1.9  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 6:06 PM | 0.5 | 1.5  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 6:12 PM | 0.5 | 1.1  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 6:18 PM | 0.5 | 1.0  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 6:24 PM | 0.5 | 0.8  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 6:30 PM | 0.5 | 0.8  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 6:36 PM | 0.5 | 0.7  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 6:42 PM | 0.5 | 0.7  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 6:48 PM | 0.5 | 0.6  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 6:54 PM | 0.5 | 0.6  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 7:00 PM | 0.5 | 0.6  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 7:06 PM | 0.6 | 0.6  | -0.7 | -0.5 | 0.0 |
| 8/17/2020 7:12 PM | 0.8 | 0.5  | -0.7 | -0.4 | 0.1 |
| 8/17/2020 7:18 PM | 0.9 | 0.5  | -0.7 | -0.4 | 0.1 |
| 8/17/2020 7:24 PM | 0.9 | 0.5  | -0.7 | -0.3 | 0.1 |
| 8/17/2020 7:30 PM | 0.8 | 1.2  | -0.6 | -0.3 | 0.1 |
| 8/17/2020 7:36 PM | 0.8 | 2.0  | -0.7 | -0.3 | 0.2 |
| 8/17/2020 7:42 PM | 1.3 | 3.8  | -0.7 | -0.3 | 0.2 |
| 8/17/2020 7:48 PM | 1.3 | 4.5  | -0.6 | -0.3 | 0.2 |
| 8/17/2020 7:54 PM | 1.3 | 4.4  | -0.4 | -0.3 | 0.3 |
| 8/17/2020 8:00 PM | 1.2 | 3.7  | -0.1 | -0.3 | 6.1 |
| 8/17/2020 8:06 PM | 1.0 | 3.2  | 0.1  | -0.4 | 6.0 |
| 8/17/2020 8:12 PM | 1.1 | 3.0  | 0.2  | -0.4 | 4.3 |
| 8/17/2020 8:18 PM | 1.0 | 2.9  | 0.4  | -0.4 | 3.6 |
| 8/17/2020 8:24 PM | 1.0 | 2.7  | 0.4  | -0.4 | 3.4 |
| 8/17/2020 8:30 PM | 1.0 | 2.6  | 0.4  | -0.4 | 3.2 |
| 8/17/2020 8:36 PM | 0.9 | 2.6  | 0.4  | -0.4 | 3.1 |
| 8/17/2020 8:42 PM | 0.9 | 2.6  | 0.4  | -0.5 | 3.1 |
| 8/17/2020 8:48 PM | 0.8 | 2.6  | 0.4  | -0.5 | 3.0 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/17/2020 8:54 PM  | 0.9  | 2.6 | 0.3  | -0.5 | 3.3 |
| 8/17/2020 9:00 PM  | 0.8  | 2.5 | 0.3  | -0.5 | 3.9 |
| 8/17/2020 9:06 PM  | 0.7  | 2.5 | 0.3  | -0.5 | 3.8 |
| 8/17/2020 9:12 PM  | 0.8  | 2.5 | 0.3  | -0.5 | 3.6 |
| 8/17/2020 9:18 PM  | 0.8  | 2.4 | 0.3  | -0.5 | 7.9 |
| 8/17/2020 9:24 PM  | 0.7  | 2.3 | 0.3  | -0.5 | 9.9 |
| 8/17/2020 9:30 PM  | 0.7  | 2.3 | 0.3  | -0.5 | 9.8 |
| 8/17/2020 9:36 PM  | 0.7  | 2.3 | 0.3  | -0.5 | 9.2 |
| 8/17/2020 9:42 PM  | 0.8  | 2.4 | 0.3  | -0.5 | 8.5 |
| 8/17/2020 9:48 PM  | 0.9  | 2.5 | 0.3  | -0.5 | 8.1 |
| 8/17/2020 9:54 PM  | 0.9  | 2.5 | 0.3  | -0.5 | 8.0 |
| 8/17/2020 10:00 PM | 1.0  | 2.7 | 0.3  | -0.5 | 8.0 |
| 8/17/2020 10:06 PM | 1.0  | 2.7 | 0.3  | -0.5 | 7.6 |
| 8/17/2020 10:12 PM | 1.1  | 2.8 | 0.3  | -0.5 | 7.1 |
| 8/17/2020 10:18 PM | 1.1  | 2.7 | 0.2  | -0.5 | 6.8 |
| 8/17/2020 10:24 PM | 1.0  | 2.5 | 0.1  | -0.5 | 6.7 |
| 8/17/2020 10:30 PM | 1.1  | 2.5 | 0.0  | -0.5 | 6.5 |
| 8/17/2020 10:36 PM | 1.1  | 2.6 | 0.0  | -0.5 | 6.4 |
| 8/17/2020 10:42 PM | 1.1  | 2.6 | -0.1 | -0.5 | 6.4 |
| 8/17/2020 10:48 PM | 1.0  | 2.5 | -0.1 | -0.5 | 6.5 |
| 8/17/2020 10:54 PM | 1.0  | 2.5 | -0.2 | -0.5 | 6.5 |
| 8/17/2020 11:00 PM | 0.9  | 2.5 | -0.2 | -0.5 | 6.7 |
| 8/17/2020 11:06 PM | 0.9  | 2.6 | -0.3 | -0.5 | 6.6 |
| 8/17/2020 11:12 PM | 1.0  | 2.7 | -0.3 | -0.5 | 6.2 |
| 8/17/2020 11:18 PM | 0.9  | 2.6 | -0.3 | -0.5 | 6.2 |
| 8/17/2020 11:24 PM | 0.9  | 2.4 | -0.3 | -0.5 | 6.4 |
| 8/17/2020 11:30 PM | 1.0  | 2.5 | -0.3 | -0.5 | 6.7 |
| 8/17/2020 11:36 PM | 1.0  | 2.6 | -0.3 | -0.5 | 6.6 |
| 8/17/2020 11:42 PM | 0.9  | 2.7 | -0.4 | -0.5 | 6.6 |
| 8/17/2020 11:48 PM | 0.9  | 2.7 | -0.4 | -0.5 | 6.7 |
| 8/17/2020 11:54 PM | 0.8  | 2.5 | -0.4 | -0.5 | 6.8 |
| 8/18/2020 12:00 AM | 0.5  | 2.2 | -0.4 | -0.5 | 7.2 |
| 8/18/2020 12:06 AM | 0.2  | 1.9 | -0.4 | -0.5 | 5.0 |
| 8/18/2020 12:12 AM | -0.1 | 2.0 | -0.4 | -0.5 | 2.2 |
| 8/18/2020 12:18 AM | -0.2 | 2.1 | -0.4 | -0.5 | 2.0 |
| 8/18/2020 12:24 AM | -0.3 | 2.1 | -0.4 | -0.5 | 2.1 |
| 8/18/2020 12:30 AM | -0.4 | 2.2 | -0.4 | -0.5 | 2.2 |
| 8/18/2020 12:36 AM | -0.3 | 2.2 | -0.4 | -0.5 | 2.2 |
| 8/18/2020 12:42 AM | -0.3 | 2.3 | -0.4 | -0.5 | 2.3 |
| 8/18/2020 12:48 AM | -0.3 | 2.3 | -0.4 | -0.5 | 2.3 |
| 8/18/2020 12:54 AM | -0.3 | 2.3 | -0.4 | -0.5 | 2.3 |
| 8/18/2020 1:00 AM  | -0.3 | 2.2 | -0.5 | -0.5 | 2.3 |
| 8/18/2020 1:06 AM  | -0.3 | 2.2 | -0.5 | -0.5 | 2.3 |
| 8/18/2020 1:12 AM  | -0.3 | 2.1 | -0.5 | -0.5 | 2.3 |
| 8/18/2020 1:18 AM  | -0.3 | 2.0 | -0.5 | -0.5 | 2.3 |
| 8/18/2020 1:24 AM  | -0.3 | 2.0 | -0.5 | -0.5 | 2.3 |
| 8/18/2020 1:30 AM  | -0.3 | 1.9 | -0.5 | -0.4 | 2.3 |
| 8/18/2020 1:36 AM  | -0.3 | 2.3 | -0.5 | -0.4 | 1.2 |
| 8/18/2020 1:42 AM  | -0.3 | 2.7 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 1:48 AM  | -0.4 | 2.7 | -0.6 | -0.4 | 0.1 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 8/18/2020 1:54 AM | -0.3 | 2.5 | -0.6 | -0.4 | 0.1 |
| 8/18/2020 2:00 AM | -0.3 | 2.4 | -0.6 | -0.4 | 0.1 |
| 8/18/2020 2:06 AM | -0.3 | 2.4 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 2:12 AM | -0.3 | 2.5 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 2:18 AM | -0.3 | 2.8 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 2:24 AM | -0.3 | 2.9 | -0.6 | -0.4 | 0.1 |
| 8/18/2020 2:30 AM | -0.3 | 2.8 | -0.6 | -0.4 | 0.1 |
| 8/18/2020 2:36 AM | -0.3 | 2.6 | -0.6 | -0.4 | 0.1 |
| 8/18/2020 2:42 AM | -0.3 | 2.5 | -0.6 | -0.4 | 0.1 |
| 8/18/2020 2:48 AM | -0.3 | 2.4 | -0.6 | -0.4 | 0.2 |
| 8/18/2020 2:54 AM | -0.3 | 2.4 | -0.6 | -0.4 | 0.2 |
| 8/18/2020 3:00 AM | -0.3 | 2.4 | -0.6 | -0.4 | 0.2 |
| 8/18/2020 3:06 AM | -0.3 | 2.4 | -0.5 | -0.4 | 0.2 |
| 8/18/2020 3:12 AM | -0.3 | 2.4 | -0.5 | -0.4 | 0.2 |
| 8/18/2020 3:18 AM | -0.4 | 2.4 | -0.5 | -0.4 | 0.2 |
| 8/18/2020 3:24 AM | 1.0  | 2.0 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 3:30 AM | 1.4  | 0.9 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 3:36 AM | 0.5  | 0.5 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 3:42 AM | 0.5  | 0.7 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 3:48 AM | 0.4  | 1.0 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 3:54 AM | 0.4  | 1.4 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 4:00 AM | 0.4  | 1.3 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 4:06 AM | 0.4  | 1.2 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 4:12 AM | 0.4  | 1.2 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 4:18 AM | 0.4  | 1.2 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 4:24 AM | 0.4  | 1.1 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 4:30 AM | 0.5  | 1.1 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 4:36 AM | 0.5  | 1.1 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 4:42 AM | 0.7  | 1.0 | -0.5 | -0.4 | 0.1 |
| 8/18/2020 4:48 AM | 0.7  | 1.0 | -0.4 | -0.4 | 0.1 |
| 8/18/2020 4:54 AM | 0.8  | 1.0 | -0.4 | -0.4 | 0.1 |
| 8/18/2020 5:00 AM | 0.8  | 0.8 | -0.4 | -0.4 | 0.1 |
| 8/18/2020 5:06 AM | 0.8  | 0.8 | -0.4 | -0.4 | 0.1 |
| 8/18/2020 5:12 AM | 0.7  | 0.8 | -0.4 | -0.4 | 0.1 |
| 8/18/2020 5:18 AM | 0.7  | 0.8 | -0.4 | -0.4 | 0.1 |
| 8/18/2020 5:24 AM | 0.7  | 0.9 | -0.4 | -0.4 | 0.0 |
| 8/18/2020 5:30 AM | 0.6  | 0.9 | -0.4 | -0.4 | 0.0 |
| 8/18/2020 5:36 AM | 0.6  | 0.9 | -0.5 | -0.4 | 0.0 |
| 8/18/2020 5:42 AM | 0.5  | 0.9 | -0.6 | -0.4 | 0.0 |
| 8/18/2020 5:48 AM | 0.4  | 0.8 | -0.7 | -0.4 | 0.0 |
| 8/18/2020 5:54 AM | 0.4  | 0.9 | -0.8 | -0.4 | 0.0 |
| 8/18/2020 6:00 AM | 0.3  | 0.9 | -0.9 | -0.4 | 0.0 |
| 8/18/2020 6:06 AM | 0.2  | 0.9 | -1.0 | -0.4 | 0.0 |
| 8/18/2020 6:12 AM | 0.2  | 1.0 | -1.1 | -0.4 | 0.0 |
| 8/18/2020 6:18 AM | 0.2  | 1.1 | -1.1 | -0.4 | 0.0 |
| 8/18/2020 6:24 AM | 0.3  | 1.1 | -1.1 | -0.4 | 0.0 |
| 8/18/2020 6:30 AM | 0.2  | 1.1 | -1.1 | -0.5 | 0.0 |
| 8/18/2020 6:36 AM | 0.2  | 1.1 | -1.1 | -0.5 | 0.0 |
| 8/18/2020 6:42 AM | 0.2  | 1.1 | -1.1 | -0.5 | 0.3 |
| 8/18/2020 6:48 AM | 0.2  | 0.8 | -1.0 | -0.5 | 7.6 |

|                    |     |      |      |      |      |
|--------------------|-----|------|------|------|------|
| 8/18/2020 6:54 AM  | 0.2 | -0.2 | -1.0 | -0.5 | 10.9 |
| 8/18/2020 7:00 AM  | 0.2 | -0.8 | -1.0 | -0.5 | 7.5  |
| 8/18/2020 7:06 AM  | 0.2 | -0.8 | -1.0 | -0.5 | 6.3  |
| 8/18/2020 7:12 AM  | 0.2 | -0.9 | -1.0 | -0.5 | 5.4  |
| 8/18/2020 7:18 AM  | 0.2 | -0.9 | -1.0 | -0.5 | 4.5  |
| 8/18/2020 7:24 AM  | 0.3 | -0.9 | -1.0 | -0.5 | 3.8  |
| 8/18/2020 7:30 AM  | 0.2 | -0.9 | -1.0 | -0.5 | 3.5  |
| 8/18/2020 7:36 AM  | 0.2 | -0.9 | -1.0 | -0.5 | 3.2  |
| 8/18/2020 7:42 AM  | 0.2 | -0.9 | -1.0 | -0.5 | 3.0  |
| 8/18/2020 7:48 AM  | 0.2 | -0.9 | -1.0 | -0.5 | 2.9  |
| 8/18/2020 7:54 AM  | 0.3 | -0.9 | -1.0 | -0.5 | 2.8  |
| 8/18/2020 8:00 AM  | 0.3 | -0.9 | -0.9 | -0.5 | 2.8  |
| 8/18/2020 8:06 AM  | 0.3 | -0.9 | -0.8 | -0.5 | 2.8  |
| 8/18/2020 8:12 AM  | 0.3 | -0.9 | -0.7 | -0.5 | 2.7  |
| 8/18/2020 8:18 AM  | 0.3 | -0.9 | -0.5 | -0.5 | 2.7  |
| 8/18/2020 8:24 AM  | 0.4 | -0.9 | -0.3 | -0.5 | 2.7  |
| 8/18/2020 8:30 AM  | 0.4 | -0.9 | -0.1 | -0.5 | 2.7  |
| 8/18/2020 8:36 AM  | 0.4 | -0.9 | 0.0  | -0.5 | 2.8  |
| 8/18/2020 8:42 AM  | 0.4 | -0.9 | 0.0  | -0.5 | 2.7  |
| 8/18/2020 8:48 AM  | 0.4 | -1.0 | 0.0  | -0.5 | 2.7  |
| 8/18/2020 8:54 AM  | 0.4 | -1.0 | 0.0  | -0.5 | 2.7  |
| 8/18/2020 9:00 AM  | 0.4 | -1.0 | 0.0  | -0.5 | 2.7  |
| 8/18/2020 9:06 AM  | 0.4 | -1.0 | 0.0  | -0.5 | 2.7  |
| 8/18/2020 9:12 AM  | 0.4 | -0.9 | 0.0  | -0.5 | 2.8  |
| 8/18/2020 9:18 AM  | 0.4 | -0.9 | 0.0  | -0.5 | 2.7  |
| 8/18/2020 9:24 AM  | 0.4 | -0.9 | 0.0  | -0.5 | 2.6  |
| 8/18/2020 9:30 AM  | 0.4 | -0.9 | 0.0  | -0.5 | 2.7  |
| 8/18/2020 9:36 AM  | 0.4 | -0.9 | 0.0  | -0.4 | 2.7  |
| 8/18/2020 9:42 AM  | 0.4 | -0.9 | 0.0  | -0.4 | 2.6  |
| 8/18/2020 9:48 AM  | 0.4 | -0.9 | 0.0  | -0.4 | 2.5  |
| 8/18/2020 9:54 AM  | 0.4 | -0.9 | 0.0  | -0.4 | 2.6  |
| 8/18/2020 10:00 AM | 0.4 | -0.9 | 0.0  | -0.4 | 2.6  |
| 8/18/2020 10:06 AM | 0.4 | -0.9 | 0.0  | -0.4 | 2.5  |
| 8/18/2020 10:12 AM | 0.4 | -0.9 | 0.0  | -0.4 | 2.5  |
| 8/18/2020 10:18 AM | 0.4 | -0.9 | 0.0  | -0.4 | 2.6  |
| 8/18/2020 10:24 AM | 0.4 | -0.9 | 0.1  | -0.4 | 2.6  |
| 8/18/2020 10:30 AM | 0.5 | -0.9 | 0.1  | -0.4 | 2.6  |
| 8/18/2020 10:36 AM | 0.5 | -0.9 | 0.2  | -0.4 | 2.6  |
| 8/18/2020 10:42 AM | 0.4 | -0.9 | 0.2  | -0.4 | 2.6  |
| 8/18/2020 10:48 AM | 0.4 | -0.9 | 0.2  | -0.4 | 2.6  |
| 8/18/2020 10:54 AM | 0.4 | -0.9 | 0.1  | -0.4 | 2.6  |
| 8/18/2020 11:00 AM | 0.4 | -0.9 | 0.1  | -0.4 | 2.7  |
| 8/18/2020 11:06 AM | 0.4 | -0.9 | 0.0  | -0.4 | 2.7  |
| 8/18/2020 11:12 AM | 0.4 | -0.9 | 0.0  | -0.4 | 2.6  |
| 8/18/2020 11:18 AM | 0.4 | -0.9 | 0.0  | -0.4 | 2.6  |
| 8/18/2020 11:24 AM | 0.5 | -0.9 | 0.0  | -0.4 | 2.6  |
| 8/18/2020 11:30 AM | 0.4 | -0.9 | 0.0  | -0.4 | 2.6  |
| 8/18/2020 11:36 AM | 0.5 | -0.9 | 0.0  | -0.5 | 2.6  |
| 8/18/2020 11:42 AM | 0.5 | -0.9 | 0.0  | -0.5 | 2.6  |
| 8/18/2020 11:48 AM | 0.5 | -0.9 | 0.0  | -0.5 | 2.6  |



|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 8/18/2020 11:54 AM | 0.5  | -0.9 | 0.1  | -0.5 | 2.6 |
| 8/18/2020 12:00 PM | 0.5  | -0.9 | 0.2  | -0.4 | 2.6 |
| 8/18/2020 12:06 PM | 0.6  | -1.1 | 0.2  | -0.3 | 2.5 |
| 8/18/2020 12:12 PM | 0.6  | -1.1 | 0.2  | -0.3 | 2.5 |
| 8/18/2020 12:18 PM | 0.6  | -1.0 | 0.2  | -0.3 | 2.5 |
| 8/18/2020 12:24 PM | 0.6  | -1.0 | 0.2  | -0.3 | 2.4 |
| 8/18/2020 12:30 PM | 0.6  | -1.0 | 0.1  | -0.3 | 2.5 |
| 8/18/2020 12:36 PM | 0.6  | -1.0 | -0.1 | -0.3 | 2.5 |
| 8/18/2020 12:42 PM | 0.7  | -1.0 | -0.2 | -0.3 | 2.5 |
| 8/18/2020 12:48 PM | 0.8  | -1.0 | -0.2 | -0.3 | 2.5 |
| 8/18/2020 12:54 PM | 0.7  | 4.1  | -0.3 | -0.3 | 2.5 |
| 8/18/2020 1:00 PM  | 0.3  | 7.3  | -0.4 | -0.3 | 2.6 |
| 8/18/2020 1:06 PM  | 0.0  | 3.3  | -0.4 | -0.3 | 2.6 |
| 8/18/2020 1:12 PM  | -0.1 | 2.8  | -0.3 | -0.3 | 2.6 |
| 8/18/2020 1:18 PM  | 0.0  | 2.8  | -0.2 | -0.3 | 2.6 |
| 8/18/2020 1:24 PM  | 0.0  | 2.4  | -0.1 | -0.3 | 2.6 |
| 8/18/2020 1:30 PM  | -0.1 | 1.9  | -0.1 | -0.3 | 2.6 |
| 8/18/2020 1:36 PM  | -0.1 | 1.6  | -0.1 | -0.3 | 2.6 |
| 8/18/2020 1:42 PM  | 0.0  | 1.4  | -0.1 | -0.3 | 2.6 |
| 8/18/2020 1:48 PM  | 0.0  | 1.2  | -0.2 | -0.3 | 2.6 |
| 8/18/2020 1:54 PM  | 0.0  | 1.0  | -0.3 | -0.3 | 2.6 |
| 8/18/2020 2:00 PM  | -0.1 | 1.0  | -0.3 | -0.3 | 2.5 |
| 8/18/2020 2:06 PM  | -0.1 | 0.9  | -0.4 | -0.3 | 2.5 |
| 8/18/2020 2:12 PM  | -0.1 | 0.7  | -0.5 | -0.3 | 2.5 |
| 8/18/2020 2:18 PM  | -0.1 | 0.6  | -0.5 | -0.3 | 2.5 |
| 8/18/2020 2:24 PM  | -0.1 | 0.6  | -0.5 | -0.3 | 2.5 |
| 8/18/2020 2:30 PM  | -0.1 | 0.6  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 2:36 PM  | -0.1 | 0.6  | -0.6 | -0.3 | 2.6 |
| 8/18/2020 2:42 PM  | 0.0  | 0.7  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 2:48 PM  | 0.0  | 0.6  | -0.6 | -0.3 | 2.6 |
| 8/18/2020 2:54 PM  | -0.1 | 0.7  | -0.6 | -0.3 | 2.6 |
| 8/18/2020 3:00 PM  | -0.1 | 0.6  | -0.7 | -0.3 | 2.5 |
| 8/18/2020 3:06 PM  | 0.0  | 0.5  | -0.7 | -0.3 | 2.5 |
| 8/18/2020 3:12 PM  | 0.0  | 0.5  | -0.6 | -0.3 | 2.6 |
| 8/18/2020 3:18 PM  | -0.1 | 0.5  | -0.7 | -0.3 | 2.6 |
| 8/18/2020 3:24 PM  | 0.0  | 0.5  | -0.7 | -0.3 | 2.6 |
| 8/18/2020 3:30 PM  | 0.0  | 0.4  | -0.7 | -0.3 | 2.6 |
| 8/18/2020 3:36 PM  | 0.0  | 0.4  | -0.6 | -0.3 | 2.6 |
| 8/18/2020 3:42 PM  | 0.0  | 0.3  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 3:48 PM  | 0.0  | 0.4  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 3:54 PM  | 0.0  | 0.4  | -0.4 | -0.3 | 2.6 |
| 8/18/2020 4:00 PM  | 0.0  | 0.4  | -0.4 | -0.3 | 2.6 |
| 8/18/2020 4:06 PM  | 0.0  | 0.4  | -0.4 | -0.3 | 2.6 |
| 8/18/2020 4:12 PM  | 0.0  | 0.4  | -0.4 | -0.3 | 2.6 |
| 8/18/2020 4:18 PM  | 0.0  | 0.3  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 4:24 PM  | 0.0  | 0.3  | -0.5 | -0.3 | 2.7 |
| 8/18/2020 4:30 PM  | 0.0  | 0.3  | -0.5 | -0.3 | 2.7 |
| 8/18/2020 4:36 PM  | 0.0  | 0.4  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 4:42 PM  | 0.0  | 0.4  | -0.5 | -0.3 | 2.7 |
| 8/18/2020 4:48 PM  | -0.1 | 0.4  | -0.5 | -0.3 | 2.7 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 8/18/2020 4:54 PM | 0.0  | 0.4  | -0.5 | -0.3 | 2.7 |
| 8/18/2020 5:00 PM | 0.0  | 0.4  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 5:06 PM | -0.1 | 0.4  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 5:12 PM | -0.1 | 0.3  | -0.6 | -0.3 | 2.6 |
| 8/18/2020 5:18 PM | 0.0  | 0.3  | -0.6 | -0.3 | 2.6 |
| 8/18/2020 5:24 PM | 0.0  | 0.3  | -0.6 | -0.3 | 2.6 |
| 8/18/2020 5:30 PM | -0.1 | 0.3  | -0.6 | -0.3 | 2.6 |
| 8/18/2020 5:36 PM | -0.1 | 0.3  | -0.6 | -0.3 | 2.6 |
| 8/18/2020 5:42 PM | -0.1 | 0.3  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 5:48 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 5:54 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.4 |
| 8/18/2020 6:00 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 6:06 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 6:12 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 6:18 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 6:24 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 6:30 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 6:36 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 6:42 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.4 |
| 8/18/2020 6:48 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.4 |
| 8/18/2020 6:54 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 7:00 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 7:06 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 7:12 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 7:18 PM | -0.1 | 0.4  | -0.6 | -0.3 | 2.5 |
| 8/18/2020 7:24 PM | -0.1 | 0.3  | -0.6 | -0.3 | 2.6 |
| 8/18/2020 7:30 PM | -0.1 | 0.4  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 7:36 PM | -0.1 | 0.4  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 7:42 PM | -0.1 | 0.3  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 7:48 PM | -0.1 | 0.3  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 7:54 PM | -0.1 | 0.3  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 8:00 PM | -0.1 | 0.2  | -0.5 | -0.3 | 2.5 |
| 8/18/2020 8:06 PM | -0.1 | 0.3  | -0.5 | -0.3 | 2.5 |
| 8/18/2020 8:12 PM | -0.1 | 0.3  | -0.5 | -0.3 | 2.5 |
| 8/18/2020 8:18 PM | -0.1 | 0.4  | -0.5 | -0.3 | 2.5 |
| 8/18/2020 8:24 PM | -0.1 | 0.4  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 8:30 PM | -0.1 | 0.3  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 8:36 PM | -0.1 | 0.3  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 8:42 PM | -0.1 | 0.3  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 8:48 PM | -0.1 | 0.2  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 8:54 PM | -0.1 | 0.2  | -0.5 | -0.3 | 2.6 |
| 8/18/2020 9:00 PM | -0.1 | 0.2  | -0.4 | -0.3 | 2.6 |
| 8/18/2020 9:06 PM | -0.1 | 0.3  | -0.4 | -0.3 | 2.6 |
| 8/18/2020 9:12 PM | -0.1 | 0.2  | -0.4 | -0.3 | 2.6 |
| 8/18/2020 9:18 PM | -0.1 | -0.1 | -0.4 | -0.3 | 2.6 |
| 8/18/2020 9:24 PM | -0.1 | 0.1  | -0.4 | -0.3 | 2.7 |
| 8/18/2020 9:30 PM | -0.1 | 0.1  | -0.4 | -0.3 | 2.7 |
| 8/18/2020 9:36 PM | -0.1 | 0.1  | -0.4 | -0.3 | 2.7 |
| 8/18/2020 9:42 PM | -0.1 | 0.2  | -0.4 | -0.3 | 2.7 |
| 8/18/2020 9:48 PM | -0.1 | 0.3  | -0.4 | -0.3 | 2.7 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 8/18/2020 9:54 PM  | -0.1 | 0.3  | -0.4 | -0.3 | 2.7 |
| 8/18/2020 10:00 PM | -0.1 | 0.3  | -0.4 | -0.3 | 2.7 |
| 8/18/2020 10:06 PM | -0.1 | 0.3  | -0.4 | -0.3 | 2.7 |
| 8/18/2020 10:12 PM | -0.1 | 0.3  | -0.4 | -0.3 | 2.7 |
| 8/18/2020 10:18 PM | -0.1 | 0.3  | -0.4 | -0.3 | 2.7 |
| 8/18/2020 10:24 PM | -0.1 | 0.3  | -0.4 | -0.3 | 2.8 |
| 8/18/2020 10:30 PM | -0.1 | 0.2  | -0.4 | -0.3 | 2.8 |
| 8/18/2020 10:36 PM | -0.1 | 0.3  | -0.4 | -0.3 | 2.9 |
| 8/18/2020 10:42 PM | -0.2 | 0.4  | -0.4 | -0.3 | 2.9 |
| 8/18/2020 10:48 PM | -0.2 | 0.4  | -0.4 | -0.3 | 2.8 |
| 8/18/2020 10:54 PM | -0.1 | 0.4  | -0.4 | -0.3 | 2.9 |
| 8/18/2020 11:00 PM | -0.1 | 0.5  | -0.4 | -0.3 | 2.9 |
| 8/18/2020 11:06 PM | -0.1 | 0.5  | -0.4 | -0.3 | 2.9 |
| 8/18/2020 11:12 PM | -0.2 | 0.5  | -0.4 | -0.3 | 2.9 |
| 8/18/2020 11:18 PM | -0.2 | 0.4  | -0.5 | -0.3 | 2.9 |
| 8/18/2020 11:24 PM | -0.2 | 0.3  | -0.5 | -0.3 | 2.8 |
| 8/18/2020 11:30 PM | -0.1 | 0.2  | -0.5 | -0.3 | 2.7 |
| 8/18/2020 11:36 PM | -0.2 | 0.2  | -0.5 | -0.3 | 2.7 |
| 8/18/2020 11:42 PM | -0.2 | -0.2 | -0.5 | -0.3 | 3.4 |
| 8/18/2020 11:48 PM | -0.2 | -0.9 | -0.5 | -0.3 | 3.6 |
| 8/18/2020 11:54 PM | -0.2 | -1.1 | -0.6 | -0.3 | 3.4 |
| 8/19/2020 12:00 AM | -0.2 | -1.1 | -0.6 | -0.3 | 3.4 |
| 8/19/2020 12:06 AM | -0.2 | -1.2 | -0.6 | -0.2 | 3.3 |
| 8/19/2020 12:12 AM | -0.2 | -1.2 | -0.5 | -0.2 | 3.5 |
| 8/19/2020 12:18 AM | -0.2 | -1.2 | -0.5 | -0.2 | 3.9 |
| 8/19/2020 12:24 AM | -0.2 | -1.1 | -0.3 | -0.2 | 3.8 |
| 8/19/2020 12:30 AM | -0.2 | -1.1 | -0.2 | -0.2 | 3.6 |
| 8/19/2020 12:36 AM | -0.2 | -1.1 | -0.2 | -0.2 | 3.6 |
| 8/19/2020 12:42 AM | -0.2 | -1.1 | -0.2 | -0.2 | 3.5 |
| 8/19/2020 12:48 AM | -0.2 | -1.1 | -0.3 | -0.2 | 4.3 |
| 8/19/2020 12:54 AM | -0.2 | -1.1 | -0.3 | -0.2 | 5.0 |
| 8/19/2020 1:00 AM  | -0.2 | -1.1 | -0.3 | -0.2 | 4.7 |
| 8/19/2020 1:06 AM  | -0.2 | -1.1 | -0.4 | -0.3 | 4.8 |
| 8/19/2020 1:12 AM  | -0.2 | -1.0 | -0.4 | -0.3 | 4.7 |
| 8/19/2020 1:18 AM  | -0.2 | -1.0 | -0.4 | -0.3 | 4.6 |
| 8/19/2020 1:24 AM  | -0.2 | -1.1 | -0.4 | -0.3 | 4.7 |
| 8/19/2020 1:30 AM  | -0.2 | -1.1 | -0.4 | -0.3 | 4.6 |
| 8/19/2020 1:36 AM  | -0.2 | -1.1 | -0.5 | -0.3 | 4.6 |
| 8/19/2020 1:42 AM  | -0.2 | -1.0 | -0.5 | -0.3 | 4.6 |
| 8/19/2020 1:48 AM  | -0.2 | -1.1 | -0.5 | -0.3 | 4.5 |
| 8/19/2020 1:54 AM  | -0.2 | -1.0 | -0.5 | -0.3 | 4.4 |
| 8/19/2020 2:00 AM  | -0.2 | -1.1 | -0.5 | -0.3 | 4.3 |
| 8/19/2020 2:06 AM  | -0.2 | -1.1 | -0.5 | -0.3 | 4.2 |
| 8/19/2020 2:12 AM  | -0.2 | -1.1 | -0.5 | -0.2 | 4.1 |
| 8/19/2020 2:18 AM  | -0.2 | -1.0 | -0.5 | -0.2 | 4.1 |
| 8/19/2020 2:24 AM  | -0.2 | -1.0 | -0.5 | -0.2 | 4.2 |
| 8/19/2020 2:30 AM  | -0.2 | -1.1 | -0.5 | -0.2 | 4.2 |
| 8/19/2020 2:36 AM  | -0.2 | -1.0 | -0.5 | -0.2 | 4.2 |
| 8/19/2020 2:42 AM  | -0.2 | -0.9 | -0.5 | -0.2 | 4.4 |
| 8/19/2020 2:48 AM  | -0.2 | -1.0 | -0.5 | -0.2 | 4.4 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 8/19/2020 2:54 AM | -0.2 | -1.1 | -0.6 | -0.2 | 4.5 |
| 8/19/2020 3:00 AM | -0.2 | -1.1 | -0.6 | -0.2 | 4.6 |
| 8/19/2020 3:06 AM | -0.2 | -1.2 | -0.6 | -0.2 | 4.6 |
| 8/19/2020 3:12 AM | -0.2 | -1.3 | -0.6 | -0.2 | 4.6 |
| 8/19/2020 3:18 AM | -0.2 | -1.6 | -0.6 | -0.2 | 4.7 |
| 8/19/2020 3:24 AM | -0.2 | -2.0 | -0.6 | -0.2 | 4.7 |
| 8/19/2020 3:30 AM | -0.2 | -2.0 | -0.6 | -0.2 | 4.6 |
| 8/19/2020 3:36 AM | -0.2 | -1.5 | -0.6 | -0.2 | 4.6 |
| 8/19/2020 3:42 AM | -0.2 | -1.1 | -0.6 | -0.2 | 4.5 |
| 8/19/2020 3:48 AM | -0.2 | -1.1 | -0.6 | -0.2 | 4.6 |
| 8/19/2020 3:54 AM | -0.2 | -1.3 | -0.6 | -0.2 | 4.2 |
| 8/19/2020 4:00 AM | -0.2 | -1.3 | -0.6 | -0.2 | 3.5 |
| 8/19/2020 4:06 AM | -0.2 | -1.3 | -0.6 | -0.2 | 3.5 |
| 8/19/2020 4:12 AM | -0.2 | -1.7 | -0.6 | -0.2 | 3.4 |
| 8/19/2020 4:18 AM | -0.3 | -1.4 | -0.6 | -0.2 | 3.4 |
| 8/19/2020 4:24 AM | -0.3 | -1.1 | -0.6 | -0.3 | 3.4 |
| 8/19/2020 4:30 AM | -0.3 | -1.0 | -0.6 | -0.3 | 3.4 |
| 8/19/2020 4:36 AM | -0.3 | -1.0 | -0.7 | -0.3 | 3.4 |
| 8/19/2020 4:42 AM | -0.3 | -1.0 | -0.7 | -0.3 | 2.9 |
| 8/19/2020 4:48 AM | -0.2 | -1.0 | -0.7 | -0.3 | 2.5 |
| 8/19/2020 4:54 AM | -0.2 | -1.0 | -0.7 | -0.3 | 2.6 |
| 8/19/2020 5:00 AM | -0.2 | -1.0 | -0.7 | -0.3 | 2.7 |
| 8/19/2020 5:06 AM | -0.2 | -1.0 | -0.7 | -0.3 | 2.8 |
| 8/19/2020 5:12 AM | -0.2 | -1.1 | -0.7 | -0.3 | 2.9 |
| 8/19/2020 5:18 AM | -0.2 | -1.1 | -0.7 | -0.3 | 2.9 |
| 8/19/2020 5:24 AM | -0.2 | -1.1 | -0.7 | -0.2 | 2.9 |
| 8/19/2020 5:30 AM | -0.3 | -1.0 | -0.7 | -0.2 | 3.0 |
| 8/19/2020 5:36 AM | -0.2 | -1.1 | -0.7 | -0.2 | 3.0 |
| 8/19/2020 5:42 AM | -0.2 | -1.0 | -0.7 | -0.2 | 3.0 |
| 8/19/2020 5:48 AM | -0.2 | -1.0 | -0.7 | -0.3 | 3.0 |
| 8/19/2020 5:54 AM | -0.3 | -1.0 | -0.7 | -0.3 | 3.0 |
| 8/19/2020 6:00 AM | -0.3 | -1.0 | -0.7 | -0.3 | 3.0 |
| 8/19/2020 6:06 AM | -0.2 | -1.0 | -0.7 | -0.3 | 3.0 |
| 8/19/2020 6:12 AM | -0.2 | -1.0 | -0.7 | -0.3 | 3.0 |
| 8/19/2020 6:18 AM | -0.2 | -1.0 | -0.7 | -0.3 | 3.1 |
| 8/19/2020 6:24 AM | -0.2 | -1.1 | -0.7 | -0.3 | 3.1 |
| 8/19/2020 6:30 AM | -0.2 | -1.0 | -0.7 | -0.3 | 3.0 |
| 8/19/2020 6:36 AM | -0.3 | -0.9 | -0.8 | -0.3 | 3.0 |
| 8/19/2020 6:42 AM | -0.2 | -1.0 | -0.7 | -0.3 | 3.0 |
| 8/19/2020 6:48 AM | -0.2 | -1.1 | -0.7 | -0.3 | 3.0 |
| 8/19/2020 6:54 AM | -0.2 | -1.0 | -0.7 | -0.3 | 3.0 |
| 8/19/2020 7:00 AM | -0.2 | -1.1 | -0.7 | 5.8  | 2.8 |
| 8/19/2020 7:06 AM | -0.2 | -1.0 | -0.4 | 15.7 | 2.3 |
| 8/19/2020 7:12 AM | -0.2 | -1.0 | -0.3 | 12.4 | 2.1 |
| 8/19/2020 7:18 AM | -0.2 | -0.9 | -0.1 | 6.5  | 2.1 |
| 8/19/2020 7:24 AM | -0.2 | -0.8 | -0.1 | 5.1  | 2.2 |
| 8/19/2020 7:30 AM | -0.2 | -0.9 | -0.2 | 5.4  | 2.2 |
| 8/19/2020 7:36 AM | -0.3 | -1.0 | -0.4 | 4.0  | 2.2 |
| 8/19/2020 7:42 AM | -0.3 | -1.1 | -0.5 | 2.9  | 2.2 |
| 8/19/2020 7:48 AM | -0.3 | -1.1 | -0.5 | 2.6  | 2.2 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 8/19/2020 7:54 AM  | -0.3 | -1.0 | -0.6 | 2.5  | 2.2 |
| 8/19/2020 8:00 AM  | -0.3 | -0.9 | -0.7 | 2.5  | 2.2 |
| 8/19/2020 8:06 AM  | -0.2 | -1.0 | -0.7 | 2.5  | 2.4 |
| 8/19/2020 8:12 AM  | -0.2 | -1.0 | -0.8 | 2.7  | 2.6 |
| 8/19/2020 8:18 AM  | -0.2 | -1.0 | -0.8 | 2.7  | 2.6 |
| 8/19/2020 8:24 AM  | -0.3 | -1.0 | -0.8 | 2.7  | 2.6 |
| 8/19/2020 8:30 AM  | -0.2 | -1.0 | -0.7 | 2.8  | 2.6 |
| 8/19/2020 8:36 AM  | -0.2 | -1.0 | -0.7 | 2.8  | 2.6 |
| 8/19/2020 8:42 AM  | -0.2 | -0.9 | -0.5 | 3.0  | 2.6 |
| 8/19/2020 8:48 AM  | -0.2 | -0.9 | -0.3 | 4.2  | 3.5 |
| 8/19/2020 8:54 AM  | -0.2 | -0.9 | -0.2 | 5.8  | 5.5 |
| 8/19/2020 9:00 AM  | -0.2 | -0.9 | -0.3 | 6.0  | 5.9 |
| 8/19/2020 9:06 AM  | -0.2 | -0.9 | -0.3 | 5.8  | 5.5 |
| 8/19/2020 9:12 AM  | -0.2 | -0.8 | -0.4 | 5.9  | 5.3 |
| 8/19/2020 9:18 AM  | -0.2 | -0.8 | -0.4 | 5.7  | 5.3 |
| 8/19/2020 9:24 AM  | -0.2 | -0.8 | -0.4 | 5.5  | 5.3 |
| 8/19/2020 9:30 AM  | -0.2 | -0.8 | -0.4 | 5.5  | 5.2 |
| 8/19/2020 9:36 AM  | -0.2 | -0.8 | -0.4 | 7.4  | 5.3 |
| 8/19/2020 9:42 AM  | -0.2 | -0.8 | -0.4 | 9.8  | 6.5 |
| 8/19/2020 9:48 AM  | -0.2 | -0.8 | -0.4 | 9.7  | 8.4 |
| 8/19/2020 9:54 AM  | 4.0  | -0.9 | -0.4 | 9.7  | 8.2 |
| 8/19/2020 10:00 AM | 3.2  | -0.9 | -0.5 | 10.0 | 8.1 |
| 8/19/2020 10:06 AM | 1.7  | -0.9 | -0.5 | 9.9  | 7.7 |
| 8/19/2020 10:12 AM | 1.2  | -0.9 | -0.5 | 10.1 | 7.7 |
| 8/19/2020 10:18 AM | 1.4  | -0.9 | -0.5 | 10.1 | 8.1 |
| 8/19/2020 10:24 AM | 1.5  | -0.9 | -0.6 | 10.2 | 8.0 |
| 8/19/2020 10:30 AM | 1.0  | -0.9 | -0.6 | 10.3 | 7.7 |
| 8/19/2020 10:36 AM | 0.8  | -0.9 | -0.6 | 10.3 | 7.5 |
| 8/19/2020 10:42 AM | 0.8  | -0.9 | -0.6 | 10.6 | 7.2 |
| 8/19/2020 10:48 AM | 0.7  | -0.9 | -0.6 | 10.8 | 6.4 |
| 8/19/2020 10:54 AM | 0.7  | -0.9 | -0.6 | 11.0 | 5.7 |
| 8/19/2020 11:00 AM | 0.3  | -0.9 | -0.7 | 5.5  | 3.8 |
| 8/19/2020 11:06 AM | -0.2 | -0.9 | -0.7 | 1.6  | 2.4 |
| 8/19/2020 11:12 AM | -0.2 | -0.9 | -0.7 | 3.1  | 3.0 |
| 8/19/2020 11:18 AM | -0.3 | -0.9 | -0.7 | 3.9  | 3.0 |
| 8/19/2020 11:24 AM | -0.3 | -0.9 | -0.8 | 4.0  | 3.1 |
| 8/19/2020 11:30 AM | -0.2 | -0.9 | -0.8 | 3.9  | 3.2 |
| 8/19/2020 11:36 AM | -0.2 | -0.9 | -0.8 | 4.0  | 3.2 |
| 8/19/2020 11:42 AM | -0.2 | -0.9 | -0.8 | 4.3  | 3.2 |
| 8/19/2020 11:48 AM | -0.2 | -0.9 | -0.8 | 4.4  | 3.2 |
| 8/19/2020 11:54 AM | -0.2 | -0.9 | -0.8 | 4.4  | 3.2 |
| 8/19/2020 12:00 PM | -0.3 | -0.9 | -0.8 | 4.5  | 3.1 |
| 8/19/2020 12:06 PM | -0.3 | -0.9 | -0.7 | 4.4  | 3.2 |
| 8/19/2020 12:12 PM | -0.4 | -0.9 | -0.7 | 4.5  | 3.3 |
| 8/19/2020 12:18 PM | -0.4 | -0.8 | -0.8 | 4.4  | 3.3 |
| 8/19/2020 12:24 PM | -0.3 | -0.8 | -0.8 | 4.3  | 3.3 |
| 8/19/2020 12:30 PM | -0.3 | -0.8 | -0.8 | 4.5  | 3.3 |
| 8/19/2020 12:36 PM | -0.3 | -0.8 | -0.8 | 4.6  | 3.2 |
| 8/19/2020 12:42 PM | -0.3 | -0.8 | -0.8 | 4.2  | 3.2 |
| 8/19/2020 12:48 PM | -0.3 | -0.8 | -0.8 | 2.4  | 3.3 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 8/19/2020 12:54 PM | -0.3 | -0.9 | -0.8 | 1.6 | 2.8 |
| 8/19/2020 1:00 PM  | -0.3 | -0.8 | -0.8 | 1.6 | 2.5 |
| 8/19/2020 1:06 PM  | -0.3 | -0.8 | -0.8 | 1.5 | 2.6 |
| 8/19/2020 1:12 PM  | -0.3 | -0.8 | -0.8 | 1.3 | 2.6 |
| 8/19/2020 1:18 PM  | -0.3 | -0.8 | -0.8 | 1.3 | 2.6 |
| 8/19/2020 1:24 PM  | -0.3 | -0.8 | -0.8 | 1.3 | 2.5 |
| 8/19/2020 1:30 PM  | -0.3 | -0.8 | -0.8 | 1.4 | 2.4 |
| 8/19/2020 1:36 PM  | -0.3 | -0.8 | -0.8 | 1.5 | 2.4 |
| 8/19/2020 1:42 PM  | -0.3 | -0.8 | -0.8 | 1.5 | 2.4 |
| 8/19/2020 1:48 PM  | -0.3 | -0.8 | -0.8 | 1.5 | 2.4 |
| 8/19/2020 1:54 PM  | -0.3 | -0.8 | -0.8 | 1.5 | 2.5 |
| 8/19/2020 2:00 PM  | -0.3 | -0.8 | -0.8 | 1.5 | 2.6 |
| 8/19/2020 2:06 PM  | -0.3 | -0.8 | -0.8 | 1.5 | 2.5 |
| 8/19/2020 2:12 PM  | -0.3 | -0.8 | -0.7 | 1.5 | 2.5 |
| 8/19/2020 2:18 PM  | -0.2 | -0.7 | -0.7 | 1.5 | 2.5 |
| 8/19/2020 2:24 PM  | -0.3 | -0.8 | -0.7 | 1.6 | 2.5 |
| 8/19/2020 2:30 PM  | -0.3 | -0.8 | -0.7 | 1.5 | 2.5 |
| 8/19/2020 2:36 PM  | -0.3 | -0.8 | -0.7 | 1.5 | 2.4 |
| 8/19/2020 2:42 PM  | -0.2 | -0.8 | -0.6 | 1.6 | 2.5 |
| 8/19/2020 2:48 PM  | -0.2 | -0.8 | -0.6 | 1.7 | 2.5 |
| 8/19/2020 2:54 PM  | -0.2 | -0.7 | -0.6 | 1.7 | 2.5 |
| 8/19/2020 3:00 PM  | -0.2 | -0.8 | -0.6 | 1.6 | 2.5 |
| 8/19/2020 3:06 PM  | -0.3 | -0.8 | -0.6 | 1.5 | 2.5 |
| 8/19/2020 3:12 PM  | -0.2 | -0.8 | -0.6 | 1.5 | 2.5 |
| 8/19/2020 3:18 PM  | -0.2 | -0.8 | -0.6 | 1.5 | 2.5 |
| 8/19/2020 3:24 PM  | -0.2 | -0.8 | -0.5 | 1.5 | 2.6 |
| 8/19/2020 3:30 PM  | -0.2 | -0.8 | -0.5 | 1.5 | 2.6 |
| 8/19/2020 3:36 PM  | -0.2 | -0.7 | -0.5 | 1.4 | 2.6 |
| 8/19/2020 3:42 PM  | -0.2 | -0.7 | -0.5 | 1.5 | 2.6 |
| 8/19/2020 3:48 PM  | -0.2 | -0.7 | -0.4 | 1.6 | 2.5 |
| 8/19/2020 3:54 PM  | -0.2 | -0.7 | -0.4 | 1.7 | 2.5 |
| 8/19/2020 4:00 PM  | -0.2 | -0.7 | -0.4 | 1.5 | 2.5 |
| 8/19/2020 4:06 PM  | -0.2 | -0.6 | -0.4 | 1.4 | 2.5 |
| 8/19/2020 4:12 PM  | -0.2 | -0.6 | -0.4 | 1.3 | 2.5 |
| 8/19/2020 4:18 PM  | -0.2 | -0.6 | -0.4 | 1.3 | 2.5 |
| 8/19/2020 4:24 PM  | -0.2 | -0.6 | -0.4 | 1.2 | 2.5 |
| 8/19/2020 4:30 PM  | -0.2 | -0.5 | -0.4 | 1.2 | 2.5 |
| 8/19/2020 4:36 PM  | -0.2 | -0.5 | -0.4 | 1.2 | 2.5 |
| 8/19/2020 4:42 PM  | -0.2 | -0.6 | -0.5 | 1.2 | 2.5 |
| 8/19/2020 4:48 PM  | -0.2 | -0.5 | -0.5 | 1.2 | 2.5 |
| 8/19/2020 4:54 PM  | -0.2 | -0.5 | -0.5 | 1.3 | 2.5 |
| 8/19/2020 5:00 PM  | -0.2 | -0.4 | -0.5 | 1.3 | 2.5 |
| 8/19/2020 5:06 PM  | -0.2 | -0.4 | -0.5 | 1.1 | 2.5 |
| 8/19/2020 5:12 PM  | -0.2 | -0.5 | -0.5 | 0.9 | 2.6 |
| 8/19/2020 5:18 PM  | -0.2 | -0.5 | -0.5 | 0.8 | 2.6 |
| 8/19/2020 5:24 PM  | -0.2 | -0.5 | -0.5 | 0.9 | 2.5 |
| 8/19/2020 5:30 PM  | -0.2 | -0.4 | -0.4 | 0.9 | 2.6 |
| 8/19/2020 5:36 PM  | -0.2 | -0.4 | -0.4 | 0.9 | 2.5 |
| 8/19/2020 5:42 PM  | -0.2 | -0.4 | -0.4 | 1.0 | 2.6 |
| 8/19/2020 5:48 PM  | -0.2 | -0.3 | -0.4 | 1.0 | 2.5 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 8/19/2020 5:54 PM  | -0.2 | -0.3 | -0.4 | 1.0 | 2.6 |
| 8/19/2020 6:00 PM  | -0.2 | -0.3 | -0.4 | 0.9 | 2.6 |
| 8/19/2020 6:06 PM  | -0.2 | -0.2 | -0.4 | 0.9 | 2.6 |
| 8/19/2020 6:12 PM  | -0.2 | -0.2 | -0.4 | 0.9 | 2.7 |
| 8/19/2020 6:18 PM  | -0.2 | -0.3 | -0.4 | 1.0 | 2.7 |
| 8/19/2020 6:24 PM  | -0.2 | -0.3 | -0.4 | 1.0 | 2.7 |
| 8/19/2020 6:30 PM  | -0.2 | -0.3 | -0.4 | 1.0 | 2.8 |
| 8/19/2020 6:36 PM  | -0.2 | -0.4 | -0.4 | 0.9 | 2.7 |
| 8/19/2020 6:42 PM  | -0.2 | -0.5 | -0.4 | 0.9 | 2.7 |
| 8/19/2020 6:48 PM  | -0.2 | -0.5 | -0.4 | 1.0 | 2.7 |
| 8/19/2020 6:54 PM  | -0.2 | -0.6 | -0.4 | 1.0 | 2.7 |
| 8/19/2020 7:00 PM  | -0.2 | -0.6 | -0.4 | 0.9 | 2.6 |
| 8/19/2020 7:06 PM  | -0.2 | -0.6 | -0.4 | 0.9 | 2.5 |
| 8/19/2020 7:12 PM  | -0.2 | -0.6 | -0.4 | 0.9 | 2.5 |
| 8/19/2020 7:18 PM  | -0.2 | -0.6 | -0.4 | 1.0 | 2.5 |
| 8/19/2020 7:24 PM  | -0.2 | -0.6 | -0.3 | 1.0 | 2.5 |
| 8/19/2020 7:30 PM  | -0.2 | -0.6 | -0.3 | 1.0 | 2.5 |
| 8/19/2020 7:36 PM  | -0.2 | -0.6 | -0.3 | 1.0 | 2.5 |
| 8/19/2020 7:42 PM  | -0.2 | -0.6 | -0.3 | 1.0 | 2.5 |
| 8/19/2020 7:48 PM  | -0.2 | -0.6 | -0.3 | 1.0 | 2.5 |
| 8/19/2020 7:54 PM  | -0.2 | -0.6 | -0.3 | 1.0 | 2.5 |
| 8/19/2020 8:00 PM  | -0.2 | -0.6 | -0.4 | 1.0 | 2.4 |
| 8/19/2020 8:06 PM  | -0.2 | -0.6 | -0.4 | 1.0 | 2.5 |
| 8/19/2020 8:12 PM  | -0.2 | -0.6 | -0.4 | 1.0 | 2.5 |
| 8/19/2020 8:18 PM  | -0.2 | -0.6 | -0.4 | 1.0 | 2.5 |
| 8/19/2020 8:24 PM  | -0.2 | -0.6 | -0.4 | 1.0 | 2.5 |
| 8/19/2020 8:30 PM  | -0.3 | -0.5 | -0.4 | 1.0 | 2.5 |
| 8/19/2020 8:36 PM  | -0.2 | -0.5 | -0.4 | 1.0 | 2.6 |
| 8/19/2020 8:42 PM  | -0.2 | -0.5 | -0.4 | 1.0 | 2.6 |
| 8/19/2020 8:48 PM  | -0.2 | -0.5 | -0.4 | 1.0 | 2.6 |
| 8/19/2020 8:54 PM  | -0.2 | -0.5 | -0.4 | 1.0 | 2.6 |
| 8/19/2020 9:00 PM  | -0.2 | -0.5 | -0.4 | 0.9 | 2.6 |
| 8/19/2020 9:06 PM  | -0.3 | -0.5 | -0.4 | 0.9 | 2.6 |
| 8/19/2020 9:12 PM  | -0.3 | -0.5 | -0.4 | 0.9 | 2.6 |
| 8/19/2020 9:18 PM  | -0.2 | -0.5 | -0.4 | 0.9 | 2.6 |
| 8/19/2020 9:24 PM  | -0.2 | -0.5 | -0.4 | 1.0 | 2.6 |
| 8/19/2020 9:30 PM  | -0.2 | -0.5 | -0.4 | 1.0 | 2.6 |
| 8/19/2020 9:36 PM  | -0.2 | -0.4 | -0.4 | 1.0 | 2.5 |
| 8/19/2020 9:42 PM  | -0.2 | -0.4 | -0.4 | 1.0 | 2.5 |
| 8/19/2020 9:48 PM  | -0.2 | -0.4 | -0.5 | 1.0 | 2.6 |
| 8/19/2020 9:54 PM  | -0.3 | -0.3 | -0.5 | 1.0 | 2.6 |
| 8/19/2020 10:00 PM | -0.3 | -0.3 | -0.5 | 1.0 | 2.6 |
| 8/19/2020 10:06 PM | -0.2 | -0.3 | -0.5 | 1.0 | 2.6 |
| 8/19/2020 10:12 PM | -0.2 | -0.3 | -0.5 | 1.0 | 2.6 |
| 8/19/2020 10:18 PM | -0.3 | -0.3 | -0.5 | 1.0 | 2.6 |
| 8/19/2020 10:24 PM | -0.3 | -0.3 | -0.5 | 1.0 | 2.5 |
| 8/19/2020 10:30 PM | -0.3 | -0.2 | -0.5 | 0.9 | 2.5 |
| 8/19/2020 10:36 PM | -0.3 | -0.3 | -0.5 | 0.9 | 2.5 |
| 8/19/2020 10:42 PM | -0.3 | -0.2 | -0.5 | 1.0 | 2.5 |
| 8/19/2020 10:48 PM | -0.3 | -0.2 | -0.5 | 1.0 | 2.5 |



|                    |      |      |      |     |      |
|--------------------|------|------|------|-----|------|
| 8/19/2020 10:54 PM | -0.3 | -0.2 | -0.5 | 1.0 | 2.5  |
| 8/19/2020 11:00 PM | -0.3 | -0.2 | -0.5 | 1.0 | 2.5  |
| 8/19/2020 11:06 PM | -0.3 | -0.1 | -0.5 | 1.0 | 2.6  |
| 8/19/2020 11:12 PM | -0.3 | -0.1 | -0.5 | 1.0 | 2.6  |
| 8/19/2020 11:18 PM | -0.3 | -0.1 | -0.5 | 1.0 | 2.6  |
| 8/19/2020 11:24 PM | -0.3 | -0.1 | -0.5 | 1.0 | 2.5  |
| 8/19/2020 11:30 PM | -0.3 | -0.1 | -0.5 | 1.0 | 2.5  |
| 8/19/2020 11:36 PM | -0.3 | -0.1 | -0.5 | 1.0 | 2.5  |
| 8/19/2020 11:42 PM | -0.3 | -0.1 | -0.5 | 0.9 | 2.5  |
| 8/19/2020 11:48 PM | -0.3 | -0.1 | -0.5 | 0.9 | 2.5  |
| 8/19/2020 11:54 PM | -0.3 | -0.1 | -0.5 | 0.9 | 2.5  |
| 8/20/2020 12:00 AM | -0.3 | 0.0  | -0.5 | 0.9 | 2.6  |
| 8/20/2020 12:06 AM | -0.3 | -0.1 | -0.5 | 0.9 | 2.7  |
| 8/20/2020 12:12 AM | -0.3 | 0.0  | -0.5 | 0.9 | 2.6  |
| 8/20/2020 12:18 AM | -0.3 | 0.0  | -0.5 | 0.9 | 2.6  |
| 8/20/2020 12:24 AM | -0.3 | 0.0  | -0.5 | 0.9 | 2.5  |
| 8/20/2020 12:30 AM | -0.3 | 0.0  | -0.5 | 0.9 | 2.5  |
| 8/20/2020 12:36 AM | -0.3 | 0.1  | -0.5 | 0.9 | 2.5  |
| 8/20/2020 12:42 AM | -0.3 | 0.1  | -0.5 | 0.9 | 2.5  |
| 8/20/2020 12:48 AM | -0.3 | 0.1  | -0.5 | 0.9 | 2.6  |
| 8/20/2020 12:54 AM | -0.3 | 0.1  | -0.5 | 1.6 | 2.4  |
| 8/20/2020 1:00 AM  | -0.3 | 0.0  | -0.5 | 3.8 | 1.0  |
| 8/20/2020 1:06 AM  | -0.3 | 0.0  | -0.5 | 4.4 | 0.0  |
| 8/20/2020 1:12 AM  | -0.3 | 0.0  | -0.5 | 4.1 | 0.0  |
| 8/20/2020 1:18 AM  | -0.3 | 0.0  | -0.5 | 4.2 | 0.0  |
| 8/20/2020 1:24 AM  | -0.3 | 0.0  | -0.5 | 4.3 | -0.1 |
| 8/20/2020 1:30 AM  | -0.3 | -0.1 | -0.5 | 4.3 | -0.1 |
| 8/20/2020 1:36 AM  | -0.3 | -0.1 | -0.5 | 4.3 | 0.0  |
| 8/20/2020 1:42 AM  | -0.3 | 0.0  | -0.5 | 4.4 | 0.0  |
| 8/20/2020 1:48 AM  | -0.3 | 0.0  | -0.5 | 4.3 | -0.1 |
| 8/20/2020 1:54 AM  | -0.3 | -0.1 | -0.5 | 4.2 | -0.1 |
| 8/20/2020 2:00 AM  | -0.3 | -0.1 | -0.4 | 3.7 | -0.1 |
| 8/20/2020 2:06 AM  | -0.3 | 0.0  | -0.4 | 2.2 | -0.1 |
| 8/20/2020 2:12 AM  | -0.3 | 0.0  | -0.4 | 1.5 | 0.0  |
| 8/20/2020 2:18 AM  | -0.3 | -0.1 | -0.4 | 1.5 | 0.0  |
| 8/20/2020 2:24 AM  | -0.3 | 0.0  | -0.4 | 1.6 | 0.0  |
| 8/20/2020 2:30 AM  | -0.3 | 0.0  | -0.4 | 1.6 | 0.0  |
| 8/20/2020 2:36 AM  | -0.3 | -0.1 | -0.4 | 1.7 | 0.0  |
| 8/20/2020 2:42 AM  | -0.3 | 0.0  | -0.4 | 1.8 | 0.0  |
| 8/20/2020 2:48 AM  | -0.3 | 0.0  | -0.4 | 1.8 | 0.0  |
| 8/20/2020 2:54 AM  | -0.3 | 0.0  | -0.4 | 1.8 | 0.0  |
| 8/20/2020 3:00 AM  | -0.3 | 0.0  | -0.4 | 1.8 | 0.0  |
| 8/20/2020 3:06 AM  | -0.3 | 0.0  | -0.4 | 1.8 | 0.0  |
| 8/20/2020 3:12 AM  | -0.3 | 0.1  | -0.4 | 1.8 | -0.1 |
| 8/20/2020 3:18 AM  | -0.3 | 0.0  | -0.4 | 1.8 | -0.1 |
| 8/20/2020 3:24 AM  | -0.3 | -0.1 | -0.4 | 1.8 | -0.1 |
| 8/20/2020 3:30 AM  | -0.3 | -0.2 | -0.4 | 1.7 | 0.0  |
| 8/20/2020 3:36 AM  | -0.4 | -0.2 | -0.4 | 1.7 | -0.1 |
| 8/20/2020 3:42 AM  | -0.4 | -0.4 | -0.4 | 1.7 | -0.1 |
| 8/20/2020 3:48 AM  | -0.4 | -0.7 | -0.4 | 1.7 | 0.0  |



|                   |      |         |      |     |      |
|-------------------|------|---------|------|-----|------|
| 8/20/2020 3:54 AM | -0.4 | -0.3    | -0.4 | 1.8 | -0.1 |
| 8/20/2020 4:00 AM | -0.4 | 0.1     | -0.4 | 1.8 | -0.1 |
| 8/20/2020 4:06 AM | -0.4 | -0.1    | -0.4 | 1.8 | -0.1 |
| 8/20/2020 4:12 AM | -0.4 | -0.8    | -0.4 | 1.8 | -0.1 |
| 8/20/2020 4:18 AM | -0.4 | -0.4    | -0.4 | 1.8 | -0.1 |
| 8/20/2020 4:24 AM | -0.4 | 0.2     | -0.4 | 1.8 | 0.0  |
| 8/20/2020 4:30 AM | -0.4 | -0.1    | -0.4 | 1.8 | 0.0  |
| 8/20/2020 4:36 AM | -0.4 | -0.2    | -0.4 | 1.9 | 0.0  |
| 8/20/2020 4:42 AM | -0.4 | -0.1    | -0.4 | 1.9 | 0.0  |
| 8/20/2020 4:48 AM | -0.4 | -0.2    | -0.4 | 1.8 | -0.1 |
| 8/20/2020 4:54 AM | -0.4 | -0.7    | -0.4 | 1.8 | 0.0  |
| 8/20/2020 5:00 AM | -0.4 | -0.8    | -0.4 | 1.8 | 0.0  |
| 8/20/2020 5:06 AM | -0.4 | -0.1    | -0.4 | 1.8 | -0.1 |
| 8/20/2020 5:12 AM | -0.4 | 0.2     | -0.4 | 1.7 | -0.1 |
| 8/20/2020 5:18 AM | -0.4 | -0.7    | -0.4 | 1.7 | -0.1 |
| 8/20/2020 5:24 AM | -0.4 | -2.429B | -0.5 | 1.7 | -0.1 |
| 8/20/2020 5:30 AM | -0.4 | -1.4    | -0.5 | 1.7 | -0.1 |
| 8/20/2020 5:36 AM | -0.4 | 0.1     | -0.6 | 1.7 | -0.1 |
| 8/20/2020 5:42 AM | -0.4 | 0.6     | -0.7 | 1.8 | -0.1 |
| 8/20/2020 5:48 AM | -0.4 | 0.9     | -0.8 | 1.8 | -0.1 |
| 8/20/2020 5:54 AM | -0.4 | 0.9     | -0.9 | 1.8 | -0.1 |
| 8/20/2020 6:00 AM | -0.4 | 0.9     | -1.0 | 1.8 | -0.1 |
| 8/20/2020 6:06 AM | -0.4 | 0.8     | -1.0 | 2.7 | -0.1 |
| 8/20/2020 6:12 AM | -0.4 | 0.8     | -1.0 | 4.1 | -0.1 |
| 8/20/2020 6:18 AM | -0.4 | 0.8     | -1.0 | 4.3 | 0.0  |
| 8/20/2020 6:24 AM | -0.4 | 0.7     | -0.9 | 4.2 | -0.1 |
| 8/20/2020 6:30 AM | -0.4 | 0.5     | -0.9 | 4.1 | 0.0  |
| 8/20/2020 6:36 AM | -0.4 | 0.4     | -0.9 | 4.0 | -0.1 |
| 8/20/2020 6:42 AM | -0.4 | 0.4     | -0.9 | 4.0 | -0.1 |
| 8/20/2020 6:48 AM | -0.4 | 0.4     | -0.9 | 4.1 | -0.1 |
| 8/20/2020 6:54 AM | -0.4 | 0.3     | -0.9 | 4.2 | -0.1 |
| 8/20/2020 7:00 AM | -0.4 | 0.2     | -0.9 | 4.2 | -0.1 |
| 8/20/2020 7:06 AM | -0.4 | 0.1     | -0.9 | 4.2 | -0.1 |
| 8/20/2020 7:12 AM | -0.4 | 0.0     | -0.9 | 4.4 | 0.0  |
| 8/20/2020 7:18 AM | -0.4 | 0.0     | -0.8 | 5.0 | -0.1 |
| 8/20/2020 7:24 AM | -0.4 | 0.1     | -0.8 | 4.8 | 0.0  |
| 8/20/2020 7:30 AM | -0.4 | 0.0     | -0.8 | 4.7 | 0.0  |
| 8/20/2020 7:36 AM | -0.4 | 0.0     | -0.7 | 4.7 | -0.1 |
| 8/20/2020 7:42 AM | -0.3 | 0.0     | -0.7 | 4.8 | -0.1 |
| 8/20/2020 7:48 AM | -0.3 | 0.0     | -0.6 | 4.9 | -0.1 |
| 8/20/2020 7:54 AM | -0.3 | 0.0     | -0.5 | 4.9 | -0.1 |
| 8/20/2020 8:00 AM | -0.3 | 0.0     | -0.4 | 4.8 | -0.1 |
| 8/20/2020 8:06 AM | -0.3 | -0.1    | -0.2 | 4.9 | -0.1 |
| 8/20/2020 8:12 AM | -0.3 | -0.2    | -0.1 | 4.9 | 0.0  |
| 8/20/2020 8:18 AM | -0.3 | -0.1    | 0.0  | 3.8 | 6.1  |
| 8/20/2020 8:24 AM | -0.3 | -0.1    | 0.0  | 1.9 | 10.2 |
| 8/20/2020 8:30 AM | -0.3 | -0.1    | 0.0  | 1.6 | 6.9  |
| 8/20/2020 8:36 AM | -0.3 | 0.0     | 0.0  | 1.7 | 6.5  |
| 8/20/2020 8:42 AM | -0.3 | 0.0     | -0.1 | 1.7 | 6.1  |
| 8/20/2020 8:48 AM | -0.3 | 0.0     | -0.1 | 1.8 | 5.3  |

|                    |          |          |          |          |          |
|--------------------|----------|----------|----------|----------|----------|
| 8/20/2020 8:54 AM  | -0.3     | 0.0      | -0.1     | 1.8      | 4.5      |
| 8/20/2020 9:00 AM  | -0.3     | 0.0      | 0.0      | 1.8      | 3.8      |
| 8/20/2020 9:06 AM  | -0.2     | 0.0      | 0.0      | 1.8      | 3.5      |
| 8/20/2020 9:12 AM  | -0.2     | 0.0      | -0.1     | 1.8      | 3.3      |
| 8/20/2020 9:18 AM  | -0.2     | 0.0      | -0.1     | 1.8      | 3.1      |
| 8/20/2020 9:24 AM  | -0.2     | 0.0      | -0.1     | 1.8      | 3.0      |
| 8/20/2020 9:30 AM  | -0.2     | 0.0      | -0.1     | 1.8      | 2.9      |
| 8/20/2020 9:36 AM  | -0.2     | 0.0      | -0.1     | 1.9      | 2.8      |
| 8/20/2020 9:42 AM  | -0.2     | 0.0      | -0.1     | 1.8      | 2.8      |
| 8/20/2020 9:48 AM  | -0.2     | -0.1     | -0.1     | 1.8      | 2.7      |
| 8/20/2020 9:54 AM  | -0.2     | -0.2     | -0.1     | 1.8      | 2.7      |
| 8/20/2020 10:00 AM | -0.2     | -0.3     | -0.1     | 1.9      | 2.7      |
| 8/20/2020 10:06 AM | -0.2     | -0.3     | 0.0      | 2.0      | 2.7      |
| 8/20/2020 10:12 AM | -0.2     | -0.3     | 0.0      | 2.0      | 2.6      |
| 8/20/2020 10:18 AM | -0.2     | -0.3     | 0.0      | 2.0      | 2.7      |
| 8/20/2020 10:24 AM | -0.2     | -0.2     | 0.1      | 2.0      | 2.7      |
| 8/20/2020 10:30 AM | -0.2     | -0.1     | 0.1      | 2.0      | 2.6      |
| 8/20/2020 10:36 AM | -0.2     | 0.0      | 0.2      | 2.1      | 2.6      |
| 8/20/2020 10:42 AM | -0.2     | 0.1      | 0.2      | 2.1      | 2.5      |
| 8/20/2020 10:48 AM | -0.2     | 0.1      | 0.2      | 2.1      | 2.6      |
| 8/20/2020 10:54 AM | -0.2     | 0.1      | 0.1      | 2.1      | 2.6      |
| 8/20/2020 11:00 AM | -0.2     | 0.1      | 0.0      | 2.1      | 2.5      |
| 8/20/2020 11:06 AM | -0.2     | 0.1      | -0.1     | 2.1      | 2.5      |
| 8/20/2020 11:12 AM | -0.2     | 0.1      | -0.1     | 2.1      | 2.5      |
| 8/20/2020 11:18 AM | -0.2     | 0.2      | -0.1     | 2.0      | 2.5      |
| 8/20/2020 11:24 AM | -0.2     | 0.3      | -0.1     | 2.1      | 2.4      |
| 8/20/2020 11:30 AM | -0.2     | 0.3      | 0.0      | 2.1      | 2.4      |
| 8/20/2020 11:36 AM | -0.2     | 0.1      | 0.0      | 2.0      | 2.4      |
| 8/20/2020 11:42 AM | -0.2     | 0.0      | 0.0      | 1.9      | 2.5      |
| 8/20/2020 11:48 AM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 8/20/2020 11:54 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 8/20/2020 12:00 PM | Calib    | Calib    | Calib    | Calib    | Calib    |
| 8/20/2020 12:06 PM | -0.2     | 0.0      | 0.3      | 2.3      | 2.5      |
| 8/20/2020 12:12 PM | -0.2     | 0.0      | 0.3      | 2.3      | 2.5      |
| 8/20/2020 12:18 PM | -0.2     | -0.1     | 0.3      | 2.1      | 2.5      |
| 8/20/2020 12:24 PM | -0.2     | -0.2     | 0.3      | 2.1      | 2.4      |
| 8/20/2020 12:30 PM | -0.2     | -0.2     | 0.3      | 2.1      | 2.4      |
| 8/20/2020 12:36 PM | -0.2     | -0.1     | 0.2      | 2.1      | 2.4      |
| 8/20/2020 12:42 PM | -0.2     | 0.0      | 0.0      | 2.0      | 2.3      |
| 8/20/2020 12:48 PM | 7.5      | 0.2      | -0.1     | 1.9      | 2.3      |
| 8/20/2020 12:54 PM | 13.4     | 0.3      | -0.1     | 0.8      | 2.2      |
| 8/20/2020 1:00 PM  | 6.5      | 0.4      | -0.2     | -0.3     | 2.3      |
| 8/20/2020 1:06 PM  | 4.4      | 0.5      | -0.2     | -0.6     | 2.3      |
| 8/20/2020 1:12 PM  | 3.1      | 0.4      | -0.1     | -0.6     | 2.3      |
| 8/20/2020 1:18 PM  | 2.2      | 0.3      | 0.0      | -0.6     | 2.4      |
| 8/20/2020 1:24 PM  | 1.9      | 0.2      | 0.1      | -0.6     | 2.4      |
| 8/20/2020 1:30 PM  | 1.3      | 0.0      | 0.2      | -0.6     | 2.4      |
| 8/20/2020 1:36 PM  | 0.9      | -0.1     | 0.2      | -0.6     | 2.4      |
| 8/20/2020 1:42 PM  | 0.9      | -0.2     | 0.2      | -0.6     | 2.4      |
| 8/20/2020 1:48 PM  | 0.8      | -0.1     | 0.2      | -0.6     | 2.5      |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 8/20/2020 1:54 PM | 0.8 | 0.0 | 0.1  | -0.6 | 2.4 |
| 8/20/2020 2:00 PM | 0.7 | 0.1 | 0.1  | -0.6 | 2.4 |
| 8/20/2020 2:06 PM | 0.7 | 0.3 | 0.0  | -0.6 | 2.4 |
| 8/20/2020 2:12 PM | 0.7 | 0.4 | -0.1 | -0.6 | 2.3 |
| 8/20/2020 2:18 PM | 0.7 | 0.5 | -0.1 | -0.6 | 2.4 |
| 8/20/2020 2:24 PM | 0.7 | 0.6 | -0.1 | -0.6 | 2.4 |
| 8/20/2020 2:30 PM | 0.7 | 0.7 | -0.1 | -0.6 | 2.4 |
| 8/20/2020 2:36 PM | 0.6 | 0.6 | -0.1 | -0.6 | 2.3 |
| 8/20/2020 2:42 PM | 0.6 | 0.5 | 0.0  | -0.6 | 2.3 |
| 8/20/2020 2:48 PM | 0.6 | 0.4 | 0.1  | -0.6 | 2.3 |
| 8/20/2020 2:54 PM | 0.6 | 0.3 | 0.1  | -0.6 | 2.4 |
| 8/20/2020 3:00 PM | 0.6 | 0.3 | 0.0  | -0.6 | 2.3 |
| 8/20/2020 3:06 PM | 0.6 | 0.3 | 0.0  | -0.6 | 2.3 |
| 8/20/2020 3:12 PM | 0.5 | 0.5 | -0.1 | -0.6 | 2.3 |
| 8/20/2020 3:18 PM | 0.5 | 0.7 | -0.2 | -0.6 | 2.3 |
| 8/20/2020 3:24 PM | 0.5 | 0.9 | -0.3 | -0.6 | 2.3 |
| 8/20/2020 3:30 PM | 0.5 | 1.1 | -0.4 | -0.7 | 2.4 |
| 8/20/2020 3:36 PM | 0.6 | 1.4 | -0.4 | -0.7 | 2.4 |
| 8/20/2020 3:42 PM | 0.7 | 1.5 | -0.4 | -0.7 | 2.4 |
| 8/20/2020 3:48 PM | 0.7 | 1.6 | -0.4 | -0.6 | 2.3 |
| 8/20/2020 3:54 PM | 0.6 | 1.7 | -0.4 | -0.6 | 2.3 |
| 8/20/2020 4:00 PM | 0.5 | 1.6 | -0.4 | -0.6 | 2.3 |
| 8/20/2020 4:06 PM | 0.5 | 1.6 | -0.4 | -0.6 | 2.3 |
| 8/20/2020 4:12 PM | 0.5 | 1.4 | -0.5 | -0.6 | 2.3 |
| 8/20/2020 4:18 PM | 0.5 | 1.3 | -0.5 | -0.6 | 2.3 |
| 8/20/2020 4:24 PM | 0.5 | 1.2 | -0.5 | -0.6 | 2.4 |
| 8/20/2020 4:30 PM | 0.5 | 1.1 | -0.5 | -0.6 | 2.4 |
| 8/20/2020 4:36 PM | 0.4 | 0.9 | -0.6 | -0.6 | 2.4 |
| 8/20/2020 4:42 PM | 0.4 | 0.8 | -0.6 | -0.6 | 2.4 |
| 8/20/2020 4:48 PM | 0.4 | 0.6 | -0.6 | -0.6 | 2.4 |
| 8/20/2020 4:54 PM | 0.4 | 0.6 | -0.6 | -0.6 | 2.4 |
| 8/20/2020 5:00 PM | 0.4 | 0.6 | -0.7 | -0.6 | 2.5 |
| 8/20/2020 5:06 PM | 0.4 | 0.6 | -0.7 | -0.6 | 2.5 |
| 8/20/2020 5:12 PM | 0.4 | 0.6 | -0.7 | -0.6 | 2.5 |
| 8/20/2020 5:18 PM | 0.4 | 0.6 | -0.7 | -0.6 | 2.5 |
| 8/20/2020 5:24 PM | 0.4 | 0.6 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 5:30 PM | 0.4 | 0.6 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 5:36 PM | 0.3 | 0.6 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 5:42 PM | 0.3 | 0.6 | -0.7 | -0.6 | 2.2 |
| 8/20/2020 5:48 PM | 0.3 | 0.7 | -0.7 | -0.6 | 2.2 |
| 8/20/2020 5:54 PM | 0.3 | 0.7 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 6:00 PM | 0.3 | 0.7 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 6:06 PM | 0.3 | 0.8 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 6:12 PM | 0.4 | 1.0 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 6:18 PM | 0.3 | 1.2 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 6:24 PM | 0.3 | 1.4 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 6:30 PM | 0.3 | 1.5 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 6:36 PM | 0.3 | 1.7 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 6:42 PM | 0.3 | 2.0 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 6:48 PM | 0.3 | 2.2 | -0.7 | -0.6 | 2.3 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 8/20/2020 6:54 PM  | 0.3 | 2.2 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 7:00 PM  | 0.3 | 2.1 | -0.7 | -0.6 | 2.2 |
| 8/20/2020 7:06 PM  | 0.3 | 2.1 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 7:12 PM  | 0.3 | 2.1 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 7:18 PM  | 0.3 | 2.2 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 7:24 PM  | 0.3 | 2.2 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 7:30 PM  | 0.3 | 2.3 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 7:36 PM  | 0.3 | 2.3 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 7:42 PM  | 0.3 | 2.3 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 7:48 PM  | 0.3 | 2.3 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 7:54 PM  | 0.3 | 2.4 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 8:00 PM  | 0.3 | 2.4 | -0.8 | -0.6 | 2.5 |
| 8/20/2020 8:06 PM  | 0.3 | 2.4 | -0.8 | -0.6 | 2.5 |
| 8/20/2020 8:12 PM  | 0.3 | 2.5 | -0.8 | -0.6 | 2.4 |
| 8/20/2020 8:18 PM  | 0.3 | 2.5 | -0.8 | -0.6 | 2.3 |
| 8/20/2020 8:24 PM  | 0.3 | 2.5 | -0.8 | -0.6 | 2.3 |
| 8/20/2020 8:30 PM  | 0.3 | 2.5 | -0.8 | -0.6 | 2.4 |
| 8/20/2020 8:36 PM  | 0.3 | 2.5 | -0.8 | -0.6 | 2.4 |
| 8/20/2020 8:42 PM  | 0.3 | 2.5 | -0.8 | -0.6 | 2.4 |
| 8/20/2020 8:48 PM  | 0.3 | 2.4 | -0.8 | -0.6 | 2.4 |
| 8/20/2020 8:54 PM  | 0.3 | 2.4 | -0.8 | -0.6 | 2.4 |
| 8/20/2020 9:00 PM  | 0.3 | 2.4 | -0.8 | -0.6 | 2.5 |
| 8/20/2020 9:06 PM  | 0.3 | 2.4 | -0.8 | -0.6 | 2.5 |
| 8/20/2020 9:12 PM  | 0.3 | 2.4 | -0.8 | -0.6 | 2.5 |
| 8/20/2020 9:18 PM  | 0.3 | 2.3 | -0.8 | -0.6 | 2.6 |
| 8/20/2020 9:24 PM  | 0.3 | 2.4 | -0.8 | -0.6 | 2.7 |
| 8/20/2020 9:30 PM  | 0.3 | 2.3 | -0.8 | -0.6 | 2.7 |
| 8/20/2020 9:36 PM  | 0.3 | 2.3 | -0.8 | -0.6 | 2.6 |
| 8/20/2020 9:42 PM  | 0.3 | 2.3 | -0.8 | -0.6 | 2.6 |
| 8/20/2020 9:48 PM  | 0.3 | 2.3 | -0.8 | -0.6 | 2.6 |
| 8/20/2020 9:54 PM  | 0.3 | 2.4 | -0.8 | -0.6 | 2.7 |
| 8/20/2020 10:00 PM | 0.2 | 2.3 | -0.8 | -0.6 | 2.7 |
| 8/20/2020 10:06 PM | 0.2 | 2.3 | -0.8 | -0.6 | 2.7 |
| 8/20/2020 10:12 PM | 0.2 | 2.3 | -0.8 | -0.6 | 2.6 |
| 8/20/2020 10:18 PM | 0.2 | 2.4 | -0.8 | -0.6 | 2.6 |
| 8/20/2020 10:24 PM | 0.2 | 2.4 | -0.8 | -0.6 | 2.6 |
| 8/20/2020 10:30 PM | 0.2 | 2.4 | -0.8 | -0.6 | 2.6 |
| 8/20/2020 10:36 PM | 0.2 | 2.5 | -0.8 | -0.6 | 2.7 |
| 8/20/2020 10:42 PM | 0.2 | 2.5 | -0.8 | -0.6 | 2.6 |
| 8/20/2020 10:48 PM | 0.2 | 2.5 | -0.8 | -0.6 | 2.6 |
| 8/20/2020 10:54 PM | 0.2 | 2.4 | -0.7 | -0.6 | 2.7 |
| 8/20/2020 11:00 PM | 0.2 | 2.3 | -0.7 | -0.6 | 2.7 |
| 8/20/2020 11:06 PM | 0.2 | 2.1 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 11:12 PM | 0.2 | 2.3 | -0.7 | -0.6 | 2.3 |
| 8/20/2020 11:18 PM | 0.2 | 2.5 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 11:24 PM | 0.2 | 2.5 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 11:30 PM | 0.2 | 2.5 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 11:36 PM | 0.2 | 2.5 | -0.7 | -0.6 | 2.4 |
| 8/20/2020 11:42 PM | 0.2 | 2.5 | -0.7 | -0.5 | 2.5 |
| 8/20/2020 11:48 PM | 0.2 | 2.5 | -0.7 | -0.5 | 2.5 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 8/20/2020 11:54 PM | 0.2 | 2.5 | -0.7 | -0.6 | 2.5 |
| 8/21/2020 12:00 AM | 0.2 | 2.5 | -0.7 | -0.5 | 2.5 |
| 8/21/2020 12:06 AM | 0.2 | 2.5 | -0.7 | -0.5 | 2.5 |
| 8/21/2020 12:12 AM | 0.2 | 2.5 | -0.7 | -0.6 | 2.5 |
| 8/21/2020 12:18 AM | 0.2 | 2.5 | -0.7 | -0.5 | 2.5 |
| 8/21/2020 12:24 AM | 0.2 | 2.5 | -0.7 | -0.5 | 2.5 |
| 8/21/2020 12:30 AM | 0.2 | 2.5 | -0.7 | -0.5 | 2.5 |
| 8/21/2020 12:36 AM | 0.2 | 2.5 | -0.7 | -0.5 | 2.4 |
| 8/21/2020 12:42 AM | 0.2 | 2.5 | -0.7 | -0.5 | 2.4 |
| 8/21/2020 12:48 AM | 0.2 | 2.5 | -0.7 | -0.5 | 2.4 |
| 8/21/2020 12:54 AM | 0.4 | 2.5 | -0.7 | -0.5 | 1.6 |
| 8/21/2020 1:00 AM  | 0.4 | 2.5 | -0.7 | -0.5 | 0.4 |
| 8/21/2020 1:06 AM  | 0.3 | 2.5 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 1:12 AM  | 0.2 | 2.5 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 1:18 AM  | 0.2 | 2.5 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 1:24 AM  | 0.2 | 2.5 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 1:30 AM  | 0.2 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 1:36 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 1:42 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 1:48 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 1:54 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 2:00 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 2:06 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 2:12 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 2:18 AM  | 0.0 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 2:24 AM  | 0.1 | 2.3 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 2:30 AM  | 0.1 | 2.3 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 2:36 AM  | 0.1 | 2.3 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 2:42 AM  | 0.1 | 2.3 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 2:48 AM  | 0.1 | 2.3 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 2:54 AM  | 0.2 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 3:00 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 3:06 AM  | 0.2 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 3:12 AM  | 0.2 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 3:18 AM  | 0.2 | 2.3 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 3:24 AM  | 0.2 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 3:30 AM  | 0.2 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 3:36 AM  | 0.2 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 3:42 AM  | 0.2 | 2.3 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 3:48 AM  | 0.2 | 2.2 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 3:54 AM  | 0.1 | 2.3 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 4:00 AM  | 0.1 | 2.3 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 4:06 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 4:12 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 4:18 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 4:24 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 4:30 AM  | 0.1 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 4:36 AM  | 0.0 | 2.3 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 4:42 AM  | 0.0 | 2.3 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 4:48 AM  | 0.0 | 2.4 | -0.7 | -0.5 | 0.0 |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 8/21/2020 4:54 AM | 0.0 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 5:00 AM | 0.0 | 2.4 | -0.7 | -0.5 | 0.0 |
| 8/21/2020 5:06 AM | 0.0 | 2.4 | -0.7 | -0.5 | 0.1 |
| 8/21/2020 5:12 AM | 0.0 | 2.4 | -0.7 | -0.5 | 0.1 |
| 8/21/2020 5:18 AM | 0.0 | 2.4 | -0.7 | -0.5 | 0.1 |
| 8/21/2020 5:24 AM | 0.0 | 2.4 | -0.7 | -0.5 | 0.1 |
| 8/21/2020 5:30 AM | 0.0 | 2.4 | -0.8 | -0.5 | 0.1 |
| 8/21/2020 5:36 AM | 0.0 | 2.4 | -0.8 | -0.5 | 0.1 |
| 8/21/2020 5:42 AM | 0.0 | 2.5 | -0.8 | -0.5 | 0.1 |
| 8/21/2020 5:48 AM | 0.0 | 2.5 | -0.8 | -0.5 | 0.1 |
| 8/21/2020 5:54 AM | 0.0 | 2.6 | -0.8 | -0.5 | 0.1 |
| 8/21/2020 6:00 AM | 0.0 | 2.7 | -0.8 | -0.5 | 0.1 |
| 8/21/2020 6:06 AM | 0.0 | 2.9 | -0.9 | -0.5 | 0.1 |
| 8/21/2020 6:12 AM | 0.1 | 3.1 | -0.9 | -0.5 | 0.1 |
| 8/21/2020 6:18 AM | 0.5 | 3.5 | -0.9 | -0.5 | 0.1 |
| 8/21/2020 6:24 AM | 0.6 | 3.5 | -0.9 | -0.5 | 0.1 |
| 8/21/2020 6:30 AM | 0.6 | 3.5 | -0.9 | -0.5 | 0.0 |
| 8/21/2020 6:36 AM | 0.6 | 3.7 | -0.9 | -0.5 | 0.0 |
| 8/21/2020 6:42 AM | 0.6 | 3.7 | -0.9 | -0.5 | 0.1 |
| 8/21/2020 6:48 AM | 0.6 | 3.6 | -0.9 | -0.5 | 0.0 |
| 8/21/2020 6:54 AM | 0.5 | 3.5 | -0.9 | -0.5 | 0.0 |
| 8/21/2020 7:00 AM | 0.3 | 3.4 | -0.9 | -0.5 | 0.0 |
| 8/21/2020 7:06 AM | 0.2 | 3.3 | -0.9 | -0.5 | 0.1 |
| 8/21/2020 7:12 AM | 0.2 | 3.2 | -0.9 | -0.5 | 0.1 |
| 8/21/2020 7:18 AM | 0.2 | 3.0 | -0.9 | -0.5 | 0.0 |
| 8/21/2020 7:24 AM | 0.2 | 2.7 | -0.9 | -0.5 | 0.2 |
| 8/21/2020 7:30 AM | 0.3 | 2.5 | -0.9 | -0.5 | 7.6 |
| 8/21/2020 7:36 AM | 0.3 | 2.3 | -0.9 | -0.5 | 8.7 |
| 8/21/2020 7:42 AM | 0.2 | 2.0 | -0.9 | -0.5 | 6.9 |
| 8/21/2020 7:48 AM | 0.1 | 1.9 | -0.9 | -0.5 | 6.0 |
| 8/21/2020 7:54 AM | 0.1 | 1.9 | -0.8 | -0.5 | 5.3 |
| 8/21/2020 8:00 AM | 0.1 | 1.8 | -0.7 | -0.5 | 4.4 |
| 8/21/2020 8:06 AM | 0.2 | 2.0 | -0.7 | -0.5 | 3.8 |
| 8/21/2020 8:12 AM | 0.2 | 2.1 | -0.6 | -0.5 | 3.5 |
| 8/21/2020 8:18 AM | 0.2 | 2.1 | -0.4 | -0.5 | 3.3 |
| 8/21/2020 8:24 AM | 0.2 | 2.1 | -0.2 | -0.5 | 3.1 |
| 8/21/2020 8:30 AM | 0.2 | 2.0 | -0.1 | -0.5 | 2.9 |
| 8/21/2020 8:36 AM | 0.2 | 1.8 | -0.1 | -0.5 | 2.9 |
| 8/21/2020 8:42 AM | 0.3 | 1.7 | -0.1 | -0.5 | 2.8 |
| 8/21/2020 8:48 AM | 0.3 | 1.4 | -0.1 | -0.5 | 2.7 |
| 8/21/2020 8:54 AM | 0.3 | 1.1 | -0.1 | -0.5 | 2.7 |
| 8/21/2020 9:00 AM | 0.4 | 0.8 | -0.1 | -0.5 | 2.7 |
| 8/21/2020 9:06 AM | 0.4 | 0.6 | -0.2 | -0.5 | 2.7 |
| 8/21/2020 9:12 AM | 0.4 | 0.6 | -0.2 | -0.5 | 2.7 |
| 8/21/2020 9:18 AM | 0.6 | 0.5 | -0.2 | -0.5 | 2.6 |
| 8/21/2020 9:24 AM | 0.8 | 0.5 | -0.2 | -0.5 | 2.6 |
| 8/21/2020 9:30 AM | 0.8 | 0.6 | -0.2 | -0.5 | 2.6 |
| 8/21/2020 9:36 AM | 0.8 | 0.6 | -0.3 | -0.5 | 2.6 |
| 8/21/2020 9:42 AM | 0.8 | 0.6 | -0.3 | -0.5 | 2.6 |
| 8/21/2020 9:48 AM | 0.7 | 0.5 | -0.3 | -0.4 | 2.6 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 8/21/2020 9:54 AM  | 0.7 | 0.6 | -0.4 | -0.4 | 2.6 |
| 8/21/2020 10:00 AM | 0.7 | 0.5 | -0.4 | -0.4 | 2.6 |
| 8/21/2020 10:06 AM | 0.7 | 0.6 | -0.4 | -0.4 | 2.5 |
| 8/21/2020 10:12 AM | 0.7 | 0.7 | -0.4 | -0.4 | 2.5 |
| 8/21/2020 10:18 AM | 0.7 | 0.8 | -0.4 | -0.4 | 2.5 |
| 8/21/2020 10:24 AM | 0.7 | 0.9 | -0.4 | -0.4 | 2.5 |
| 8/21/2020 10:30 AM | 0.7 | 1.0 | -0.3 | -0.4 | 2.5 |
| 8/21/2020 10:36 AM | 0.7 | 1.0 | -0.3 | -0.4 | 2.5 |
| 8/21/2020 10:42 AM | 0.7 | 1.1 | -0.3 | -0.4 | 2.4 |
| 8/21/2020 10:48 AM | 0.7 | 1.1 | -0.4 | -0.4 | 2.4 |
| 8/21/2020 10:54 AM | 0.7 | 1.1 | -0.4 | -0.4 | 2.4 |
| 8/21/2020 11:00 AM | 0.7 | 1.1 | -0.5 | -0.4 | 2.5 |
| 8/21/2020 11:06 AM | 0.7 | 1.2 | -0.5 | -0.4 | 2.5 |
| 8/21/2020 11:12 AM | 0.7 | 1.2 | -0.5 | -0.4 | 2.5 |
| 8/21/2020 11:18 AM | 0.7 | 1.3 | -0.5 | -0.4 | 2.6 |
| 8/21/2020 11:24 AM | 0.8 | 1.3 | -0.5 | -0.4 | 2.5 |
| 8/21/2020 11:30 AM | 0.8 | 1.3 | -0.5 | -0.4 | 2.5 |
| 8/21/2020 11:36 AM | 0.8 | 1.3 | -0.5 | -0.4 | 2.5 |
| 8/21/2020 11:42 AM | 0.8 | 1.3 | -0.5 | -0.4 | 2.5 |
| 8/21/2020 11:48 AM | 0.8 | 1.2 | -0.4 | -0.4 | 2.5 |
| 8/21/2020 11:54 AM | 0.8 | 1.2 | -0.4 | -0.4 | 2.5 |
| 8/21/2020 12:00 PM | 0.7 | 1.2 | -0.4 | -0.4 | 2.5 |
| 8/21/2020 12:06 PM | 0.6 | 1.2 | -0.4 | -0.5 | 2.5 |
| 8/21/2020 12:12 PM | 0.6 | 1.2 | -0.4 | -0.5 | 2.5 |
| 8/21/2020 12:18 PM | 0.6 | 1.3 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 12:24 PM | 0.6 | 1.2 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 12:30 PM | 0.6 | 1.2 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 12:36 PM | 0.6 | 1.3 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 12:42 PM | 0.6 | 1.4 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 12:48 PM | 0.6 | 1.5 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 12:54 PM | 0.6 | 1.6 | -0.5 | 6.3  | 2.5 |
| 8/21/2020 1:00 PM  | 0.6 | 1.6 | -0.5 | 10.2 | 2.5 |
| 8/21/2020 1:06 PM  | 0.6 | 1.6 | -0.5 | 3.5  | 2.5 |
| 8/21/2020 1:12 PM  | 0.6 | 1.6 | -0.5 | 1.4  | 2.4 |
| 8/21/2020 1:18 PM  | 0.6 | 1.5 | -0.5 | 0.6  | 2.4 |
| 8/21/2020 1:24 PM  | 0.6 | 1.4 | -0.5 | 0.1  | 2.4 |
| 8/21/2020 1:30 PM  | 0.6 | 1.3 | -0.4 | -0.2 | 2.4 |
| 8/21/2020 1:36 PM  | 0.6 | 1.1 | -0.4 | -0.4 | 2.3 |
| 8/21/2020 1:42 PM  | 0.6 | 1.0 | -0.4 | -0.5 | 2.3 |
| 8/21/2020 1:48 PM  | 0.6 | 0.9 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 1:54 PM  | 0.6 | 0.8 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 2:00 PM  | 0.6 | 0.9 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 2:06 PM  | 0.6 | 0.9 | -0.4 | -0.5 | 2.5 |
| 8/21/2020 2:12 PM  | 0.6 | 0.9 | -0.4 | -0.5 | 2.5 |
| 8/21/2020 2:18 PM  | 0.6 | 1.0 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 2:24 PM  | 0.6 | 1.0 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 2:30 PM  | 0.6 | 1.0 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 2:36 PM  | 0.6 | 0.9 | -0.4 | -0.5 | 2.5 |
| 8/21/2020 2:42 PM  | 0.6 | 0.8 | -0.3 | -0.5 | 2.5 |
| 8/21/2020 2:48 PM  | 0.6 | 0.7 | -0.3 | -0.5 | 2.5 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 8/21/2020 2:54 PM | 0.6  | 0.5  | -0.2 | -0.5 | 2.5 |
| 8/21/2020 3:00 PM | 0.3  | 0.4  | -0.2 | -0.5 | 2.6 |
| 8/21/2020 3:06 PM | 0.1  | 0.5  | -0.2 | -0.5 | 2.6 |
| 8/21/2020 3:12 PM | 0.2  | 0.6  | -0.3 | -0.5 | 2.6 |
| 8/21/2020 3:18 PM | 0.2  | 6.8  | -0.3 | -0.5 | 2.6 |
| 8/21/2020 3:24 PM | 0.0  | 17.6 | -0.4 | -0.5 | 2.5 |
| 8/21/2020 3:30 PM | -0.3 | 13.1 | -0.4 | -0.5 | 2.5 |
| 8/21/2020 3:36 PM | -0.4 | 7.8  | -0.5 | -0.5 | 2.6 |
| 8/21/2020 3:42 PM | -0.4 | 6.3  | -0.5 | -0.5 | 2.6 |
| 8/21/2020 3:48 PM | -0.5 | 5.5  | -0.5 | -0.5 | 2.6 |
| 8/21/2020 3:54 PM | -0.5 | 4.3  | -0.5 | -0.5 | 2.6 |
| 8/21/2020 4:00 PM | -0.5 | 3.6  | -0.5 | -0.5 | 2.6 |
| 8/21/2020 4:06 PM | -0.5 | 3.3  | -0.5 | -0.5 | 2.5 |
| 8/21/2020 4:12 PM | -0.5 | 3.2  | -0.5 | -0.5 | 2.5 |
| 8/21/2020 4:18 PM | -0.5 | 3.1  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 4:24 PM | -0.4 | 2.9  | -0.5 | -0.5 | 2.5 |
| 8/21/2020 4:30 PM | -0.4 | 2.4  | -0.5 | -0.5 | 2.5 |
| 8/21/2020 4:36 PM | -0.4 | 1.8  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 4:42 PM | -0.4 | 1.4  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 4:48 PM | -0.4 | 1.1  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 4:54 PM | -0.5 | 0.9  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 5:00 PM | -0.5 | 0.7  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 5:06 PM | -0.5 | 0.6  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 5:12 PM | -0.4 | 0.6  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 5:18 PM | -0.5 | 0.6  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 5:24 PM | -0.5 | 0.5  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 5:30 PM | -0.4 | 0.5  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 5:36 PM | -0.4 | 0.5  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 5:42 PM | -0.5 | 0.5  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 5:48 PM | -0.4 | 0.4  | -0.5 | -0.5 | 2.5 |
| 8/21/2020 5:54 PM | -0.5 | 0.4  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 6:00 PM | -0.5 | 0.4  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 6:06 PM | -0.5 | 0.4  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 6:12 PM | -0.4 | 0.3  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 6:18 PM | -0.4 | 0.4  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 6:24 PM | -0.5 | 0.4  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 6:30 PM | -0.5 | 0.3  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 6:36 PM | -0.5 | 0.3  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 6:42 PM | -0.5 | 0.3  | -0.5 | -0.5 | 2.5 |
| 8/21/2020 6:48 PM | -0.5 | 0.4  | -0.5 | -0.5 | 2.5 |
| 8/21/2020 6:54 PM | -0.5 | 0.4  | -0.5 | -0.5 | 2.5 |
| 8/21/2020 7:00 PM | -0.5 | 0.3  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 7:06 PM | -0.5 | 0.3  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 7:12 PM | -0.5 | 0.3  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 7:18 PM | -0.5 | 0.3  | -0.5 | -0.5 | 2.4 |
| 8/21/2020 7:24 PM | -0.5 | 0.3  | -0.4 | -0.5 | 2.4 |
| 8/21/2020 7:30 PM | -0.5 | 0.2  | -0.4 | -0.5 | 2.4 |
| 8/21/2020 7:36 PM | -0.5 | 0.2  | -0.4 | -0.5 | 2.4 |
| 8/21/2020 7:42 PM | -0.5 | 0.2  | -0.4 | -0.5 | 2.4 |
| 8/21/2020 7:48 PM | -0.5 | 0.2  | -0.4 | -0.5 | 2.4 |



|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/21/2020 7:54 PM  | -0.5 | 0.2 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 8:00 PM  | -0.5 | 0.2 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 8:06 PM  | -0.5 | 0.2 | -0.4 | -0.5 | 2.4 |
| 8/21/2020 8:12 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 8:18 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 8:24 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 8:30 PM  | -0.5 | 0.3 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 8:36 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 8:42 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 8:48 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 8:54 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 9:00 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 9:06 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 9:12 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 9:18 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 9:24 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 9:30 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.4 |
| 8/21/2020 9:36 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.4 |
| 8/21/2020 9:42 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.4 |
| 8/21/2020 9:48 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.4 |
| 8/21/2020 9:54 PM  | -0.5 | 0.2 | -0.5 | -0.5 | 2.4 |
| 8/21/2020 10:00 PM | -0.5 | 0.2 | -0.5 | -0.5 | 2.4 |
| 8/21/2020 10:06 PM | -0.5 | 0.2 | -0.5 | -0.5 | 2.4 |
| 8/21/2020 10:12 PM | -0.5 | 0.2 | -0.5 | -0.5 | 2.4 |
| 8/21/2020 10:18 PM | -0.5 | 0.2 | -0.5 | -0.5 | 2.3 |
| 8/21/2020 10:24 PM | -0.5 | 0.2 | -0.5 | -0.5 | 2.3 |
| 8/21/2020 10:30 PM | -0.5 | 0.2 | -0.5 | -0.5 | 2.3 |
| 8/21/2020 10:36 PM | -0.5 | 0.2 | -0.5 | -0.5 | 2.3 |
| 8/21/2020 10:42 PM | -0.5 | 0.2 | -0.5 | -0.5 | 2.3 |
| 8/21/2020 10:48 PM | -0.6 | 0.2 | -0.5 | -0.5 | 2.4 |
| 8/21/2020 10:54 PM | -0.6 | 0.1 | -0.5 | -0.5 | 2.3 |
| 8/21/2020 11:00 PM | -0.6 | 0.2 | -0.5 | -0.5 | 2.4 |
| 8/21/2020 11:06 PM | -0.6 | 0.2 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 11:12 PM | -0.6 | 0.4 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 11:18 PM | -0.6 | 0.4 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 11:24 PM | -0.6 | 0.4 | -0.5 | -0.5 | 2.6 |
| 8/21/2020 11:30 PM | -0.6 | 0.4 | -0.5 | -0.5 | 2.6 |
| 8/21/2020 11:36 PM | -0.6 | 0.4 | -0.5 | -0.5 | 2.6 |
| 8/21/2020 11:42 PM | -0.5 | 0.4 | -0.5 | -0.5 | 2.6 |
| 8/21/2020 11:48 PM | -0.6 | 0.4 | -0.5 | -0.5 | 2.5 |
| 8/21/2020 11:54 PM | -0.6 | 0.3 | -0.5 | -0.5 | 2.5 |
| 8/22/2020 12:00 AM | -0.6 | 0.3 | -0.5 | -0.5 | 2.5 |
| 8/22/2020 12:06 AM | -0.6 | 0.3 | -0.5 | -0.5 | 2.5 |
| 8/22/2020 12:12 AM | -0.5 | 0.3 | -0.5 | -0.5 | 2.5 |
| 8/22/2020 12:18 AM | -0.5 | 0.3 | -0.5 | -0.5 | 2.5 |
| 8/22/2020 12:24 AM | -0.5 | 0.6 | -0.5 | -0.5 | 2.3 |
| 8/22/2020 12:30 AM | -0.5 | 0.7 | -0.5 | -0.5 | 0.9 |
| 8/22/2020 12:36 AM | -0.5 | 0.4 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 12:42 AM | -0.6 | 0.5 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 12:48 AM | -0.6 | 0.4 | -0.5 | -0.5 | 0.0 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/22/2020 12:54 AM | -0.5 | 0.4 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 1:00 AM  | -0.6 | 0.4 | -0.5 | -0.5 | 0.0 |
| 8/22/2020 1:06 AM  | -0.6 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 1:12 AM  | -0.6 | 0.7 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 1:18 AM  | -0.6 | 0.8 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 1:24 AM  | -0.6 | 0.8 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 1:30 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 1:36 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.0 |
| 8/22/2020 1:42 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.0 |
| 8/22/2020 1:48 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 1:54 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.0 |
| 8/22/2020 2:00 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 2:06 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 2:12 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 2:18 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 2:24 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 2:30 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 2:36 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 2:42 AM  | -0.6 | 0.7 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 2:48 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 2:54 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 3:00 AM  | -0.6 | 0.8 | -0.5 | -0.5 | 0.0 |
| 8/22/2020 3:06 AM  | -0.6 | 0.8 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 3:12 AM  | -0.6 | 0.8 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 3:18 AM  | -0.6 | 0.8 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 3:24 AM  | -0.6 | 0.8 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 3:30 AM  | -0.6 | 0.8 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 3:36 AM  | -0.6 | 0.9 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 3:42 AM  | -0.6 | 0.5 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 3:48 AM  | -0.6 | 0.2 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 3:54 AM  | -0.5 | 0.2 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 4:00 AM  | -0.6 | 0.3 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 4:06 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 4:12 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 4:18 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 4:24 AM  | -0.6 | 0.4 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 4:30 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 4:36 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 4:42 AM  | -0.6 | 0.2 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 4:48 AM  | -0.6 | 0.3 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 4:54 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 5:00 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 5:06 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 5:12 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 5:18 AM  | -0.6 | 0.3 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 5:24 AM  | -0.6 | 0.3 | -0.5 | -0.4 | 0.1 |
| 8/22/2020 5:30 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 5:36 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.0 |
| 8/22/2020 5:42 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 5:48 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/22/2020 5:54 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 6:00 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.0 |
| 8/22/2020 6:06 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 6:12 AM  | -0.6 | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 6:18 AM  | -0.5 | 0.4 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 6:24 AM  | -0.5 | 0.4 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 6:30 AM  | -0.6 | 0.4 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 6:36 AM  | -0.6 | 0.4 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 6:42 AM  | -0.6 | 0.4 | -0.7 | -0.5 | 0.1 |
| 8/22/2020 6:48 AM  | -0.6 | 0.6 | -0.8 | -0.5 | 0.1 |
| 8/22/2020 6:54 AM  | -0.6 | 0.7 | -0.9 | -0.5 | 0.1 |
| 8/22/2020 7:00 AM  | -0.6 | 0.7 | -0.9 | -0.5 | 0.1 |
| 8/22/2020 7:06 AM  | -0.6 | 0.6 | -0.9 | -0.5 | 0.0 |
| 8/22/2020 7:12 AM  | -0.6 | 0.6 | -0.8 | -0.5 | 0.1 |
| 8/22/2020 7:18 AM  | -0.5 | 0.6 | -0.8 | -0.5 | 0.1 |
| 8/22/2020 7:24 AM  | -0.6 | 0.6 | -0.9 | -0.5 | 0.0 |
| 8/22/2020 7:30 AM  | -0.6 | 0.6 | -0.9 | -0.5 | 0.1 |
| 8/22/2020 7:36 AM  | -0.5 | 0.6 | -0.9 | -0.5 | 0.0 |
| 8/22/2020 7:42 AM  | -0.5 | 0.6 | -0.9 | -0.5 | 0.0 |
| 8/22/2020 7:48 AM  | -0.5 | 0.6 | -1.0 | -0.5 | 0.0 |
| 8/22/2020 7:54 AM  | -0.5 | 0.7 | -1.0 | -0.5 | 0.1 |
| 8/22/2020 8:00 AM  | -0.5 | 0.8 | -0.9 | -0.5 | 0.1 |
| 8/22/2020 8:06 AM  | -0.5 | 1.0 | -0.9 | -0.5 | 0.1 |
| 8/22/2020 8:12 AM  | -0.5 | 1.2 | -0.9 | -0.5 | 0.1 |
| 8/22/2020 8:18 AM  | -0.5 | 1.1 | -0.8 | -0.5 | 0.1 |
| 8/22/2020 8:24 AM  | -0.5 | 1.2 | -0.8 | -0.5 | 0.1 |
| 8/22/2020 8:30 AM  | -0.5 | 2.2 | -0.7 | -0.5 | 0.1 |
| 8/22/2020 8:36 AM  | -0.5 | 2.7 | -0.7 | -0.5 | 0.1 |
| 8/22/2020 8:42 AM  | -0.5 | 2.4 | -0.7 | -0.5 | 0.1 |
| 8/22/2020 8:48 AM  | -0.5 | 2.2 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 8:54 AM  | -0.5 | 2.2 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 9:00 AM  | -0.5 | 2.2 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 9:06 AM  | -0.5 | 2.0 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 9:12 AM  | -0.5 | 2.0 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 9:18 AM  | -0.5 | 2.1 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 9:24 AM  | -0.5 | 2.1 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 9:30 AM  | -0.5 | 2.1 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 9:36 AM  | -0.5 | 2.1 | -0.6 | -0.5 | 0.1 |
| 8/22/2020 9:42 AM  | -0.4 | 2.0 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 9:48 AM  | -0.4 | 2.0 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 9:54 AM  | -0.4 | 2.1 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 10:00 AM | 17.9 | 2.1 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 10:06 AM | 34.2 | 1.5 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 10:12 AM | 18.1 | 0.7 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 10:18 AM | 7.2  | 0.4 | -0.5 | -0.5 | 0.1 |
| 8/22/2020 10:24 AM | 5.1  | 0.4 | -0.4 | -0.5 | 0.1 |
| 8/22/2020 10:30 AM | 2.5  | 0.2 | -0.4 | -0.5 | 0.1 |
| 8/22/2020 10:36 AM | 1.0  | 0.2 | -0.3 | -0.5 | 0.1 |
| 8/22/2020 10:42 AM | 0.8  | 0.2 | -0.3 | -0.5 | 0.1 |
| 8/22/2020 10:48 AM | 0.7  | 0.2 | -0.3 | -0.5 | 0.1 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 8/22/2020 10:54 AM | 0.7 | 0.2 | -0.4 | -0.5 | 0.1 |
| 8/22/2020 11:00 AM | 0.7 | 0.3 | -0.4 | -0.5 | 0.1 |
| 8/22/2020 11:06 AM | 0.6 | 0.2 | -0.4 | -0.5 | 0.1 |
| 8/22/2020 11:12 AM | 0.6 | 0.2 | -0.4 | -0.5 | 0.1 |
| 8/22/2020 11:18 AM | 0.6 | 0.3 | -0.3 | -0.5 | 0.1 |
| 8/22/2020 11:24 AM | 0.6 | 0.5 | -0.3 | -0.5 | 0.1 |
| 8/22/2020 11:30 AM | 0.6 | 0.6 | -0.3 | -0.5 | 0.1 |
| 8/22/2020 11:36 AM | 0.7 | 0.6 | -0.3 | -0.5 | 0.1 |
| 8/22/2020 11:42 AM | 0.8 | 0.5 | -0.2 | -0.5 | 0.1 |
| 8/22/2020 11:48 AM | 0.9 | 0.5 | -0.2 | -0.5 | 0.1 |
| 8/22/2020 11:54 AM | 0.9 | 0.5 | -0.1 | -0.5 | 0.1 |
| 8/22/2020 12:00 PM | 0.9 | 0.5 | 0.0  | -0.5 | 0.1 |
| 8/22/2020 12:06 PM | 0.9 | 0.5 | 0.0  | -0.5 | 0.0 |
| 8/22/2020 12:12 PM | 0.9 | 0.4 | 0.0  | -0.5 | 0.0 |
| 8/22/2020 12:18 PM | 0.8 | 0.4 | 0.0  | -0.5 | 0.0 |
| 8/22/2020 12:24 PM | 0.8 | 0.4 | -0.1 | -0.5 | 0.0 |
| 8/22/2020 12:30 PM | 0.7 | 0.4 | -0.2 | -0.5 | 0.0 |
| 8/22/2020 12:36 PM | 0.7 | 0.4 | -0.2 | -0.5 | 0.0 |
| 8/22/2020 12:42 PM | 0.6 | 0.4 | -0.3 | -0.5 | 0.0 |
| 8/22/2020 12:48 PM | 0.5 | 0.4 | -0.3 | -0.5 | 0.0 |
| 8/22/2020 12:54 PM | 0.4 | 0.4 | -0.4 | -0.5 | 0.0 |
| 8/22/2020 1:00 PM  | 0.4 | 0.4 | -0.4 | -0.5 | 0.0 |
| 8/22/2020 1:06 PM  | 0.3 | 0.4 | -0.4 | -0.5 | 0.0 |
| 8/22/2020 1:12 PM  | 0.3 | 0.4 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 1:18 PM  | 0.2 | 0.4 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 1:24 PM  | 0.2 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 1:30 PM  | 0.2 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 1:36 PM  | 0.2 | 0.3 | -0.4 | -0.5 | 0.0 |
| 8/22/2020 1:42 PM  | 0.1 | 0.3 | -0.4 | -0.5 | 0.0 |
| 8/22/2020 1:48 PM  | 0.1 | 0.3 | -0.3 | -0.5 | 0.0 |
| 8/22/2020 1:54 PM  | 0.1 | 0.3 | -0.3 | -0.5 | 0.0 |
| 8/22/2020 2:00 PM  | 0.1 | 0.3 | -0.2 | -0.5 | 0.0 |
| 8/22/2020 2:06 PM  | 0.1 | 0.3 | -0.2 | -0.5 | 0.0 |
| 8/22/2020 2:12 PM  | 0.1 | 0.2 | -0.2 | -0.5 | 0.0 |
| 8/22/2020 2:18 PM  | 0.2 | 0.2 | -0.1 | -0.5 | 0.0 |
| 8/22/2020 2:24 PM  | 0.2 | 0.3 | -0.1 | -0.5 | 0.0 |
| 8/22/2020 2:30 PM  | 0.2 | 0.2 | -0.1 | -0.5 | 0.0 |
| 8/22/2020 2:36 PM  | 0.2 | 0.2 | -0.1 | -0.5 | 0.0 |
| 8/22/2020 2:42 PM  | 0.2 | 0.2 | -0.1 | -0.5 | 0.0 |
| 8/22/2020 2:48 PM  | 0.2 | 0.2 | -0.1 | -0.5 | 0.0 |
| 8/22/2020 2:54 PM  | 0.2 | 0.3 | -0.2 | -0.5 | 0.0 |
| 8/22/2020 3:00 PM  | 0.2 | 0.3 | -0.3 | -0.5 | 0.0 |
| 8/22/2020 3:06 PM  | 0.2 | 0.2 | -0.3 | -0.5 | 0.0 |
| 8/22/2020 3:12 PM  | 0.2 | 0.2 | -0.3 | -0.5 | 0.0 |
| 8/22/2020 3:18 PM  | 0.2 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/22/2020 3:24 PM  | 0.2 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 3:30 PM  | 0.2 | 0.2 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 3:36 PM  | 0.2 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 3:42 PM  | 0.2 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/22/2020 3:48 PM  | 0.2 | 0.2 | -0.6 | -0.4 | 0.0 |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 8/22/2020 3:54 PM | 0.2 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/22/2020 4:00 PM | 0.2 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/22/2020 4:06 PM | 0.2 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/22/2020 4:12 PM | 0.1 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/22/2020 4:18 PM | 0.1 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/22/2020 4:24 PM | 0.1 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/22/2020 4:30 PM | 0.1 | 0.2 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 4:36 PM | 0.1 | 0.2 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 4:42 PM | 0.2 | 0.2 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 4:48 PM | 0.2 | 0.2 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 4:54 PM | 0.2 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 5:00 PM | 0.2 | 0.4 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 5:06 PM | 0.2 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 5:12 PM | 0.2 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 5:18 PM | 0.2 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 5:24 PM | 0.2 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 5:30 PM | 0.2 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 5:36 PM | 0.2 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 5:42 PM | 0.2 | 0.6 | -0.4 | -0.4 | 0.0 |
| 8/22/2020 5:48 PM | 0.2 | 0.6 | -0.4 | -0.4 | 0.0 |
| 8/22/2020 5:54 PM | 0.2 | 0.6 | -0.4 | -0.4 | 0.0 |
| 8/22/2020 6:00 PM | 0.2 | 0.6 | -0.4 | -0.4 | 0.0 |
| 8/22/2020 6:06 PM | 0.2 | 0.6 | -0.4 | -0.4 | 0.0 |
| 8/22/2020 6:12 PM | 0.2 | 0.6 | -0.4 | -0.4 | 0.0 |
| 8/22/2020 6:18 PM | 0.2 | 0.6 | -0.4 | -0.4 | 0.0 |
| 8/22/2020 6:24 PM | 0.2 | 0.6 | -0.4 | -0.4 | 0.0 |
| 8/22/2020 6:30 PM | 0.2 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 6:36 PM | 0.2 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 6:42 PM | 0.2 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 6:48 PM | 0.2 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 6:54 PM | 0.2 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 7:00 PM | 0.2 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 7:06 PM | 0.2 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 7:12 PM | 0.2 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 7:18 PM | 0.2 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 7:24 PM | 0.1 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 7:30 PM | 0.1 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 7:36 PM | 0.1 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 7:42 PM | 0.1 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 7:48 PM | 0.1 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 7:54 PM | 0.1 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 8:00 PM | 0.1 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 8:06 PM | 0.1 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 8:12 PM | 0.1 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 8:18 PM | 0.1 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 8:24 PM | 0.1 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 8:30 PM | 0.1 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 8:36 PM | 0.1 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/22/2020 8:42 PM | 0.1 | 0.5 | -0.6 | -0.4 | 0.0 |
| 8/22/2020 8:48 PM | 0.1 | 0.5 | -0.6 | -0.4 | 0.0 |

|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 8/22/2020 8:54 PM  | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 9:00 PM  | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 9:06 PM  | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 9:12 PM  | 0.1 | 0.6  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 9:18 PM  | 0.1 | 0.6  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 9:24 PM  | 0.1 | 0.6  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 9:30 PM  | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 9:36 PM  | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 9:42 PM  | 0.1 | 0.6  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 9:48 PM  | 0.1 | 0.6  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 9:54 PM  | 0.1 | 0.6  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 10:00 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 10:06 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 10:12 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 10:18 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 10:24 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 10:30 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 10:36 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 10:42 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 10:48 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 10:54 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 11:00 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 11:06 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 11:12 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 11:18 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 11:24 PM | 0.1 | 0.5  | -0.6 | -0.4 | 0.0 |
| 8/22/2020 11:30 PM | 0.1 | 0.4  | -0.5 | -0.4 | 0.0 |
| 8/22/2020 11:36 PM | 0.1 | 0.4  | -0.5 | -0.4 | 0.0 |
| 8/22/2020 11:42 PM | 0.1 | 0.4  | -0.5 | -0.4 | 0.0 |
| 8/22/2020 11:48 PM | 0.1 | 0.4  | -0.5 | -0.4 | 0.0 |
| 8/22/2020 11:54 PM | 0.1 | 0.4  | -0.5 | -0.4 | 0.0 |
| 8/23/2020 12:00 AM | 0.1 | 0.4  | -0.5 | -0.4 | 0.0 |
| 8/23/2020 12:06 AM | 0.1 | 0.4  | -0.5 | -0.4 | 0.0 |
| 8/23/2020 12:12 AM | 0.1 | 0.4  | -0.5 | -0.4 | 0.0 |
| 8/23/2020 12:18 AM | 0.1 | 0.4  | -0.5 | -0.4 | 0.0 |
| 8/23/2020 12:24 AM | 0.1 | 0.4  | -0.5 | -0.4 | 0.0 |
| 8/23/2020 12:30 AM | 0.1 | 0.4  | -0.5 | -0.4 | 0.0 |
| 8/23/2020 12:36 AM | 0.3 | 0.0  | -0.5 | -0.4 | 0.0 |
| 8/23/2020 12:42 AM | 0.5 | -0.3 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 12:48 AM | 0.5 | -0.1 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 12:54 AM | 0.4 | -0.5 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 1:00 AM  | 0.4 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 1:06 AM  | 0.4 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 1:12 AM  | 0.4 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 1:18 AM  | 0.3 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 1:24 AM  | 0.3 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 1:30 AM  | 0.2 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 1:36 AM  | 0.2 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 1:42 AM  | 0.1 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 1:48 AM  | 0.1 | -0.8 | -0.5 | -0.4 | 0.0 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 8/23/2020 1:54 AM | 0.1  | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 2:00 AM | 0.0  | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 2:06 AM | 0.0  | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 2:12 AM | -0.1 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 2:18 AM | -0.1 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 2:24 AM | -0.1 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 2:30 AM | -0.1 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 2:36 AM | -0.1 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 2:42 AM | -0.1 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 2:48 AM | -0.1 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 2:54 AM | -0.1 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 3:00 AM | -0.2 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 3:06 AM | -0.2 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 3:12 AM | -0.1 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 3:18 AM | -0.1 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 3:24 AM | -0.2 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 3:30 AM | -0.2 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 3:36 AM | -0.2 | -0.8 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 3:42 AM | -0.2 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 3:48 AM | -0.2 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 3:54 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 4:00 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 4:06 AM | -0.2 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 4:12 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 4:18 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 4:24 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 4:30 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 4:36 AM | -0.2 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 4:42 AM | -0.2 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 4:48 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 4:54 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 5:00 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 5:06 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 5:12 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 5:18 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 5:24 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 5:30 AM | -0.1 | -0.7 | -0.5 | -0.4 | 0.0 |
| 8/23/2020 5:36 AM | -0.1 | -0.7 | -0.6 | -0.4 | 0.0 |
| 8/23/2020 5:42 AM | -0.1 | -0.7 | -0.6 | -0.4 | 0.0 |
| 8/23/2020 5:48 AM | 0.1  | -0.7 | -0.7 | -0.4 | 0.0 |
| 8/23/2020 5:54 AM | 0.2  | -0.7 | -0.7 | -0.4 | 0.0 |
| 8/23/2020 6:00 AM | 0.1  | -0.7 | -0.8 | -0.4 | 0.1 |
| 8/23/2020 6:06 AM | 0.1  | -0.7 | -0.9 | -0.4 | 0.0 |
| 8/23/2020 6:12 AM | 0.1  | -0.7 | -0.9 | -0.4 | 0.0 |
| 8/23/2020 6:18 AM | 0.1  | -0.6 | -1.0 | -0.4 | 0.0 |
| 8/23/2020 6:24 AM | 0.1  | -0.7 | -0.9 | -0.4 | 0.0 |
| 8/23/2020 6:30 AM | 0.0  | -0.7 | -0.9 | -0.4 | 0.0 |
| 8/23/2020 6:36 AM | 0.0  | -0.7 | -0.9 | -0.4 | 0.1 |
| 8/23/2020 6:42 AM | 0.0  | -0.7 | -0.9 | -0.4 | 0.1 |
| 8/23/2020 6:48 AM | 0.0  | -0.6 | -0.9 | -0.4 | 0.0 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 8/23/2020 6:54 AM  | 0.0  | -0.7 | -0.9 | -0.4 | 0.0  |
| 8/23/2020 7:00 AM  | -0.1 | -0.7 | -1.0 | -0.4 | 0.0  |
| 8/23/2020 7:06 AM  | -0.1 | -0.7 | -1.0 | -0.4 | 0.0  |
| 8/23/2020 7:12 AM  | -0.1 | -0.7 | -1.0 | -0.5 | 0.0  |
| 8/23/2020 7:18 AM  | -0.1 | -0.7 | -0.9 | -0.5 | 0.0  |
| 8/23/2020 7:24 AM  | -0.1 | -0.7 | -0.8 | -0.5 | 0.0  |
| 8/23/2020 7:30 AM  | -0.1 | -0.7 | -0.8 | -0.5 | 0.0  |
| 8/23/2020 7:36 AM  | -0.1 | -0.7 | -0.8 | -0.5 | 0.0  |
| 8/23/2020 7:42 AM  | -0.1 | -0.7 | -0.9 | -0.5 | 0.0  |
| 8/23/2020 7:48 AM  | 0.0  | -0.7 | -1.0 | -0.5 | 0.0  |
| 8/23/2020 7:54 AM  | 0.0  | -0.6 | -1.0 | -0.5 | 0.0  |
| 8/23/2020 8:00 AM  | 0.0  | -0.6 | -0.9 | -0.5 | 0.0  |
| 8/23/2020 8:06 AM  | 0.0  | -0.6 | -0.9 | -0.5 | 0.0  |
| 8/23/2020 8:12 AM  | 0.0  | -0.6 | -0.8 | -0.5 | 0.0  |
| 8/23/2020 8:18 AM  | 0.0  | -0.6 | -0.7 | -0.5 | 0.0  |
| 8/23/2020 8:24 AM  | 0.0  | -0.6 | -0.7 | -0.5 | 0.0  |
| 8/23/2020 8:30 AM  | 0.0  | -0.6 | -0.6 | -0.5 | 0.0  |
| 8/23/2020 8:36 AM  | 0.0  | -0.6 | -0.5 | -0.5 | 8.7  |
| 8/23/2020 8:42 AM  | -0.1 | -0.6 | -0.5 | -0.5 | 15.5 |
| 8/23/2020 8:48 AM  | -0.1 | -0.6 | -0.5 | -0.5 | 8.3  |
| 8/23/2020 8:54 AM  | -0.1 | -0.6 | -0.4 | -0.5 | 6.4  |
| 8/23/2020 9:00 AM  | -0.1 | -0.6 | -0.4 | -0.5 | 5.9  |
| 8/23/2020 9:06 AM  | -0.1 | -0.6 | -0.4 | -0.5 | 6.1  |
| 8/23/2020 9:12 AM  | -0.1 | -0.7 | -0.4 | -0.5 | 5.9  |
| 8/23/2020 9:18 AM  | -0.1 | -0.6 | -0.5 | -0.5 | 5.5  |
| 8/23/2020 9:24 AM  | -0.1 | -0.6 | -0.5 | -0.5 | 4.7  |
| 8/23/2020 9:30 AM  | -0.1 | -0.6 | -0.5 | -0.5 | 4.0  |
| 8/23/2020 9:36 AM  | -0.1 | -0.6 | -0.5 | -0.5 | 3.7  |
| 8/23/2020 9:42 AM  | -0.1 | -0.6 | -0.5 | -0.5 | 3.3  |
| 8/23/2020 9:48 AM  | -0.1 | -0.6 | -0.5 | -0.5 | 3.1  |
| 8/23/2020 9:54 AM  | -0.1 | -0.6 | -0.5 | -0.5 | 3.0  |
| 8/23/2020 10:00 AM | 0.0  | -0.6 | -0.5 | -0.5 | 2.9  |
| 8/23/2020 10:06 AM | 0.0  | -0.7 | -0.5 | -0.5 | 2.8  |
| 8/23/2020 10:12 AM | 0.1  | -0.7 | -0.4 | -0.5 | 2.8  |
| 8/23/2020 10:18 AM | 0.1  | -0.6 | -0.4 | -0.5 | 2.8  |
| 8/23/2020 10:24 AM | 0.1  | -0.6 | -0.4 | -0.5 | 2.8  |
| 8/23/2020 10:30 AM | 0.1  | -0.6 | -0.4 | -0.5 | 2.8  |
| 8/23/2020 10:36 AM | 0.0  | -0.6 | -0.4 | -0.4 | 2.9  |
| 8/23/2020 10:42 AM | 0.0  | -0.6 | -0.4 | -0.4 | 2.8  |
| 8/23/2020 10:48 AM | 0.0  | -0.6 | -0.3 | -0.4 | 2.8  |
| 8/23/2020 10:54 AM | 0.0  | -0.6 | -0.3 | -0.4 | 2.8  |
| 8/23/2020 11:00 AM | 0.0  | -0.6 | -0.4 | -0.4 | 2.8  |
| 8/23/2020 11:06 AM | 0.0  | -0.6 | -0.4 | -0.4 | 2.8  |
| 8/23/2020 11:12 AM | 0.0  | -0.6 | -0.4 | -0.4 | 2.8  |
| 8/23/2020 11:18 AM | 0.0  | -0.6 | -0.4 | -0.4 | 2.7  |
| 8/23/2020 11:24 AM | 0.0  | -0.6 | -0.4 | -0.5 | 2.7  |
| 8/23/2020 11:30 AM | 0.0  | -0.6 | -0.4 | -0.4 | 2.7  |
| 8/23/2020 11:36 AM | 0.0  | -0.6 | -0.4 | -0.4 | 2.8  |
| 8/23/2020 11:42 AM | 0.0  | -0.6 | -0.3 | -0.4 | 2.7  |
| 8/23/2020 11:48 AM | 0.0  | -0.6 | -0.3 | -0.4 | 2.7  |



|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 8/23/2020 11:54 AM | 0.0 | -0.6 | -0.2 | -0.4 | 2.7 |
| 8/23/2020 12:00 PM | 0.1 | -0.6 | -0.1 | -0.4 | 2.8 |
| 8/23/2020 12:06 PM | 0.2 | -0.7 | 0.0  | -0.5 | 2.9 |
| 8/23/2020 12:12 PM | 0.1 | -0.7 | 0.0  | -0.5 | 2.8 |
| 8/23/2020 12:18 PM | 0.1 | -0.7 | 0.0  | -0.5 | 2.7 |
| 8/23/2020 12:24 PM | 0.1 | -0.6 | 0.0  | -0.5 | 2.7 |
| 8/23/2020 12:30 PM | 0.1 | -0.6 | -0.1 | -0.5 | 2.7 |
| 8/23/2020 12:36 PM | 0.1 | -0.6 | -0.1 | -0.5 | 2.7 |
| 8/23/2020 12:42 PM | 0.1 | -0.6 | -0.2 | -0.5 | 2.7 |
| 8/23/2020 12:48 PM | 0.1 | -0.7 | -0.3 | -0.5 | 2.7 |
| 8/23/2020 12:54 PM | 0.1 | -0.7 | -0.3 | -0.5 | 2.7 |
| 8/23/2020 1:00 PM  | 0.1 | -0.6 | -0.4 | -0.5 | 2.7 |
| 8/23/2020 1:06 PM  | 0.1 | -0.6 | -0.3 | -0.5 | 2.7 |
| 8/23/2020 1:12 PM  | 0.1 | -0.6 | -0.3 | -0.5 | 2.7 |
| 8/23/2020 1:18 PM  | 0.1 | -0.7 | -0.2 | -0.5 | 2.7 |
| 8/23/2020 1:24 PM  | 0.0 | -0.7 | 0.0  | -0.5 | 2.6 |
| 8/23/2020 1:30 PM  | 0.0 | -0.6 | 0.0  | -0.5 | 2.6 |
| 8/23/2020 1:36 PM  | 0.0 | -0.6 | 0.0  | -0.5 | 2.6 |
| 8/23/2020 1:42 PM  | 0.0 | -0.6 | -0.1 | -0.5 | 2.6 |
| 8/23/2020 1:48 PM  | 0.0 | -0.6 | -0.1 | -0.5 | 2.6 |
| 8/23/2020 1:54 PM  | 0.0 | -0.6 | -0.2 | -0.5 | 2.6 |
| 8/23/2020 2:00 PM  | 0.0 | -0.6 | -0.3 | -0.5 | 2.6 |
| 8/23/2020 2:06 PM  | 0.0 | -0.6 | -0.4 | -0.5 | 2.7 |
| 8/23/2020 2:12 PM  | 0.0 | -0.7 | -0.5 | -0.5 | 2.7 |
| 8/23/2020 2:18 PM  | 0.0 | -0.7 | -0.5 | -0.5 | 2.6 |
| 8/23/2020 2:24 PM  | 0.0 | -0.6 | -0.5 | -0.5 | 2.6 |
| 8/23/2020 2:30 PM  | 0.0 | -0.6 | -0.5 | -0.5 | 2.6 |
| 8/23/2020 2:36 PM  | 0.0 | -0.6 | -0.5 | -0.5 | 2.6 |
| 8/23/2020 2:42 PM  | 0.0 | -0.6 | -0.4 | -0.5 | 2.6 |
| 8/23/2020 2:48 PM  | 0.0 | -0.6 | -0.4 | -0.5 | 2.6 |
| 8/23/2020 2:54 PM  | 0.0 | -0.6 | -0.3 | -0.5 | 2.7 |
| 8/23/2020 3:00 PM  | 0.0 | -0.6 | -0.2 | -0.5 | 2.7 |
| 8/23/2020 3:06 PM  | 0.1 | -0.6 | -0.2 | -0.5 | 2.7 |
| 8/23/2020 3:12 PM  | 0.1 | -0.6 | -0.3 | -0.5 | 2.6 |
| 8/23/2020 3:18 PM  | 0.1 | -0.6 | -0.4 | -0.5 | 2.6 |
| 8/23/2020 3:24 PM  | 0.1 | -0.5 | -0.4 | -0.5 | 2.6 |
| 8/23/2020 3:30 PM  | 0.1 | -0.5 | -0.5 | -0.5 | 2.5 |
| 8/23/2020 3:36 PM  | 0.0 | -0.5 | -0.5 | -0.5 | 2.6 |
| 8/23/2020 3:42 PM  | 0.0 | -0.5 | -0.5 | -0.5 | 2.6 |
| 8/23/2020 3:48 PM  | 0.0 | -0.5 | -0.5 | -0.5 | 2.6 |
| 8/23/2020 3:54 PM  | 0.0 | -0.5 | -0.5 | -0.5 | 2.6 |
| 8/23/2020 4:00 PM  | 0.0 | -0.4 | -0.6 | -0.5 | 2.5 |
| 8/23/2020 4:06 PM  | 0.0 | -0.4 | -0.6 | -0.5 | 2.5 |
| 8/23/2020 4:12 PM  | 0.1 | -0.4 | -0.6 | -0.4 | 2.5 |
| 8/23/2020 4:18 PM  | 0.1 | -0.4 | -0.6 | -0.4 | 2.4 |
| 8/23/2020 4:24 PM  | 0.0 | -0.4 | -0.6 | -0.5 | 2.5 |
| 8/23/2020 4:30 PM  | 0.0 | -0.3 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 4:36 PM  | 0.0 | -0.3 | -0.7 | -0.5 | 2.5 |
| 8/23/2020 4:42 PM  | 0.0 | -0.3 | -0.7 | -0.5 | 2.5 |
| 8/23/2020 4:48 PM  | 0.0 | -0.3 | -0.7 | -0.5 | 2.5 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 8/23/2020 4:54 PM | 0.0 | -0.3 | -0.7 | -0.5 | 2.5 |
| 8/23/2020 5:00 PM | 0.0 | -0.3 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 5:06 PM | 0.0 | -0.3 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 5:12 PM | 0.0 | -0.3 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 5:18 PM | 0.0 | -0.2 | -0.7 | -0.5 | 2.5 |
| 8/23/2020 5:24 PM | 0.0 | -0.1 | -0.7 | -0.5 | 2.5 |
| 8/23/2020 5:30 PM | 0.1 | 0.0  | -0.7 | -0.5 | 2.6 |
| 8/23/2020 5:36 PM | 0.1 | -0.1 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 5:42 PM | 0.1 | -0.1 | -0.7 | -0.4 | 2.7 |
| 8/23/2020 5:48 PM | 0.1 | -0.1 | -0.8 | -0.4 | 2.7 |
| 8/23/2020 5:54 PM | 0.1 | -0.2 | -0.8 | -0.4 | 2.7 |
| 8/23/2020 6:00 PM | 0.1 | -0.2 | -0.8 | -0.4 | 2.7 |
| 8/23/2020 6:06 PM | 0.1 | -0.3 | -0.8 | -0.4 | 2.7 |
| 8/23/2020 6:12 PM | 0.1 | -0.3 | -0.8 | -0.4 | 2.7 |
| 8/23/2020 6:18 PM | 0.1 | -0.3 | -0.8 | -0.5 | 2.7 |
| 8/23/2020 6:24 PM | 0.1 | -0.4 | -0.8 | -0.5 | 2.7 |
| 8/23/2020 6:30 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 6:36 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 6:42 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 6:48 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 6:54 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 7:00 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 7:06 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.8 |
| 8/23/2020 7:12 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 7:18 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 7:24 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 7:30 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 7:36 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 7:42 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 7:48 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 7:54 PM | 0.1 | -0.5 | -0.7 | -0.5 | 2.5 |
| 8/23/2020 8:00 PM | 0.1 | -0.5 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 8:06 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 8:12 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 8:18 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 8:24 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 8:30 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 8:36 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 8:42 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 8:48 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 8:54 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 9:00 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 9:06 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 9:12 PM | 0.1 | -0.4 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 9:18 PM | 0.1 | -0.3 | -0.7 | -0.5 | 2.8 |
| 8/23/2020 9:24 PM | 0.1 | -0.3 | -0.7 | -0.5 | 2.9 |
| 8/23/2020 9:30 PM | 0.1 | -0.3 | -0.7 | -0.5 | 2.9 |
| 8/23/2020 9:36 PM | 0.0 | -0.3 | -0.7 | -0.5 | 3.0 |
| 8/23/2020 9:42 PM | 0.0 | -0.3 | -0.7 | -0.5 | 2.9 |
| 8/23/2020 9:48 PM | 0.0 | -0.3 | -0.7 | -0.5 | 2.9 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 8/23/2020 9:54 PM  | 0.0  | -0.3 | -0.7 | -0.5 | 2.9 |
| 8/23/2020 10:00 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.9 |
| 8/23/2020 10:06 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.8 |
| 8/23/2020 10:12 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.8 |
| 8/23/2020 10:18 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.8 |
| 8/23/2020 10:24 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 10:30 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 10:36 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 10:42 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 10:48 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 10:54 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 11:00 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 11:06 PM | 0.0  | -0.3 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 11:12 PM | 0.0  | -0.2 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 11:18 PM | 0.0  | -0.2 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 11:24 PM | 0.0  | -0.2 | -0.7 | -0.5 | 2.8 |
| 8/23/2020 11:30 PM | 0.0  | -0.2 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 11:36 PM | 0.0  | -0.2 | -0.7 | -0.5 | 2.7 |
| 8/23/2020 11:42 PM | 0.0  | -0.2 | -0.7 | -0.5 | 2.6 |
| 8/23/2020 11:48 PM | -0.3 | -0.2 | -0.7 | -0.5 | 3.0 |
| 8/23/2020 11:54 PM | -0.6 | -0.2 | -0.7 | -0.5 | 3.4 |
| 8/24/2020 12:00 AM | -0.7 | -0.2 | -0.7 | -0.5 | 3.6 |
| 8/24/2020 12:06 AM | -0.8 | -0.2 | -0.7 | -0.5 | 4.1 |
| 8/24/2020 12:12 AM | -0.8 | -0.1 | -0.7 | -0.5 | 4.0 |
| 8/24/2020 12:18 AM | -0.8 | -0.1 | -0.7 | -0.5 | 3.8 |
| 8/24/2020 12:24 AM | -0.8 | -0.1 | -0.7 | -0.5 | 3.8 |
| 8/24/2020 12:30 AM | -0.8 | -0.1 | -0.7 | -0.5 | 3.8 |
| 8/24/2020 12:36 AM | -0.7 | -0.1 | -0.7 | -0.5 | 3.8 |
| 8/24/2020 12:42 AM | -0.7 | -0.1 | -0.7 | -0.5 | 4.0 |
| 8/24/2020 12:48 AM | -0.8 | -0.1 | -0.7 | -0.5 | 4.1 |
| 8/24/2020 12:54 AM | -0.7 | -0.1 | -0.7 | -0.5 | 4.1 |
| 8/24/2020 1:00 AM  | -0.7 | -0.1 | -0.7 | -0.5 | 4.1 |
| 8/24/2020 1:06 AM  | -0.7 | -0.1 | -0.7 | -0.5 | 4.0 |
| 8/24/2020 1:12 AM  | -0.8 | -0.1 | -0.7 | -0.5 | 4.0 |
| 8/24/2020 1:18 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.1 |
| 8/24/2020 1:24 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.1 |
| 8/24/2020 1:30 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.1 |
| 8/24/2020 1:36 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.1 |
| 8/24/2020 1:42 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.1 |
| 8/24/2020 1:48 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.2 |
| 8/24/2020 1:54 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.2 |
| 8/24/2020 2:00 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.1 |
| 8/24/2020 2:06 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.1 |
| 8/24/2020 2:12 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.5 |
| 8/24/2020 2:18 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.8 |
| 8/24/2020 2:24 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.8 |
| 8/24/2020 2:30 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.7 |
| 8/24/2020 2:36 AM  | -0.7 | 0.0  | -0.7 | -0.5 | 4.6 |
| 8/24/2020 2:42 AM  | -0.7 | 0.1  | -0.7 | -0.5 | 4.5 |
| 8/24/2020 2:48 AM  | -0.7 | 0.1  | -0.7 | -0.5 | 4.6 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 8/24/2020 2:54 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.6 |
| 8/24/2020 3:00 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.5 |
| 8/24/2020 3:06 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.6 |
| 8/24/2020 3:12 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.6 |
| 8/24/2020 3:18 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.7 |
| 8/24/2020 3:24 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.8 |
| 8/24/2020 3:30 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.8 |
| 8/24/2020 3:36 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.7 |
| 8/24/2020 3:42 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.8 |
| 8/24/2020 3:48 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.7 |
| 8/24/2020 3:54 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.6 |
| 8/24/2020 4:00 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.6 |
| 8/24/2020 4:06 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.5 |
| 8/24/2020 4:12 AM | -0.6 | 0.1 | -0.7 | -0.5 | 4.5 |
| 8/24/2020 4:18 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.5 |
| 8/24/2020 4:24 AM | -0.7 | 0.1 | -0.7 | -0.5 | 4.5 |
| 8/24/2020 4:30 AM | -0.7 | 0.2 | -0.7 | -0.5 | 4.6 |
| 8/24/2020 4:36 AM | -0.6 | 0.2 | -0.7 | -0.5 | 4.6 |
| 8/24/2020 4:42 AM | -0.6 | 0.2 | -0.7 | -0.5 | 4.6 |
| 8/24/2020 4:48 AM | -0.7 | 0.2 | -0.7 | -0.5 | 4.7 |
| 8/24/2020 4:54 AM | -0.7 | 0.2 | -0.7 | -0.5 | 4.7 |
| 8/24/2020 5:00 AM | -0.7 | 0.2 | -0.7 | -0.5 | 4.7 |
| 8/24/2020 5:06 AM | -0.7 | 0.2 | -0.7 | -0.5 | 4.6 |
| 8/24/2020 5:12 AM | -0.7 | 0.2 | -0.7 | -0.5 | 4.5 |
| 8/24/2020 5:18 AM | -0.6 | 0.2 | -0.7 | -0.5 | 4.5 |
| 8/24/2020 5:24 AM | -0.6 | 0.2 | -0.7 | -0.5 | 4.6 |
| 8/24/2020 5:30 AM | -0.7 | 0.2 | -0.7 | -0.5 | 4.7 |
| 8/24/2020 5:36 AM | -0.7 | 0.3 | -0.7 | -0.5 | 4.8 |
| 8/24/2020 5:42 AM | -0.7 | 0.3 | -0.7 | -0.5 | 4.8 |
| 8/24/2020 5:48 AM | -0.7 | 0.4 | -0.7 | -0.5 | 4.7 |
| 8/24/2020 5:54 AM | -0.7 | 0.5 | -0.8 | -0.5 | 4.7 |
| 8/24/2020 6:00 AM | -0.7 | 0.6 | -0.9 | -0.5 | 4.8 |
| 8/24/2020 6:06 AM | -0.7 | 0.6 | -0.9 | -0.5 | 4.8 |
| 8/24/2020 6:12 AM | -0.7 | 0.6 | -1.0 | -0.5 | 4.7 |
| 8/24/2020 6:18 AM | -0.6 | 0.6 | -1.0 | -0.5 | 4.5 |
| 8/24/2020 6:24 AM | -0.6 | 0.6 | -1.0 | -0.5 | 4.6 |
| 8/24/2020 6:30 AM | -0.7 | 0.6 | -1.0 | -0.5 | 4.6 |
| 8/24/2020 6:36 AM | -0.7 | 0.5 | -1.0 | -0.5 | 4.6 |
| 8/24/2020 6:42 AM | -0.6 | 0.5 | -1.0 | -0.5 | 4.8 |
| 8/24/2020 6:48 AM | -0.6 | 0.5 | -1.0 | -0.5 | 4.8 |
| 8/24/2020 6:54 AM | -0.6 | 0.4 | -1.0 | -0.5 | 4.8 |
| 8/24/2020 7:00 AM | -0.6 | 0.4 | -0.9 | -0.5 | 4.9 |
| 8/24/2020 7:06 AM | -0.6 | 0.3 | -0.9 | -0.5 | 5.0 |
| 8/24/2020 7:12 AM | -0.6 | 0.3 | -0.9 | -0.5 | 5.0 |
| 8/24/2020 7:18 AM | 3.4  | 0.3 | -1.0 | -0.5 | 4.6 |
| 8/24/2020 7:24 AM | 3.7  | 0.2 | -1.0 | -0.5 | 3.2 |
| 8/24/2020 7:30 AM | 0.9  | 0.2 | -0.9 | -0.5 | 2.7 |
| 8/24/2020 7:36 AM | 0.7  | 0.2 | -0.9 | -0.5 | 2.7 |
| 8/24/2020 7:42 AM | 0.6  | 0.2 | -0.9 | -0.5 | 2.8 |
| 8/24/2020 7:48 AM | 0.6  | 0.2 | -0.8 | -0.5 | 2.8 |

|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 8/24/2020 7:54 AM  | 0.5 | 0.2  | -0.7 | -0.5 | 2.8 |
| 8/24/2020 8:00 AM  | 0.5 | 0.2  | -0.6 | -0.5 | 2.8 |
| 8/24/2020 8:06 AM  | 0.5 | 0.2  | -0.4 | -0.5 | 2.8 |
| 8/24/2020 8:12 AM  | 0.5 | 0.1  | -0.2 | -0.5 | 2.8 |
| 8/24/2020 8:18 AM  | 0.7 | 0.1  | -0.1 | -0.5 | 2.9 |
| 8/24/2020 8:24 AM  | 0.8 | 0.1  | 0.0  | -0.5 | 2.9 |
| 8/24/2020 8:30 AM  | 0.9 | 0.1  | 0.0  | -0.5 | 2.9 |
| 8/24/2020 8:36 AM  | 0.9 | 0.0  | 0.0  | -0.5 | 2.9 |
| 8/24/2020 8:42 AM  | 0.9 | 0.0  | -0.1 | -0.5 | 2.8 |
| 8/24/2020 8:48 AM  | 0.9 | 0.0  | -0.1 | -0.5 | 2.8 |
| 8/24/2020 8:54 AM  | 0.8 | 0.0  | -0.1 | -0.5 | 2.8 |
| 8/24/2020 9:00 AM  | 0.6 | 0.0  | -0.1 | -0.5 | 2.9 |
| 8/24/2020 9:06 AM  | 0.5 | 0.0  | -0.1 | -0.5 | 2.9 |
| 8/24/2020 9:12 AM  | 0.4 | 0.0  | -0.1 | -0.5 | 2.9 |
| 8/24/2020 9:18 AM  | 0.6 | -0.1 | -0.2 | -0.5 | 3.0 |
| 8/24/2020 9:24 AM  | 0.6 | -0.1 | -0.2 | -0.5 | 3.0 |
| 8/24/2020 9:30 AM  | 0.7 | -0.1 | -0.2 | -0.5 | 2.9 |
| 8/24/2020 9:36 AM  | 0.7 | -0.1 | -0.2 | -0.5 | 2.9 |
| 8/24/2020 9:42 AM  | 0.7 | -0.1 | -0.2 | -0.5 | 2.9 |
| 8/24/2020 9:48 AM  | 0.7 | -0.2 | -0.2 | -0.5 | 2.9 |
| 8/24/2020 9:54 AM  | 0.6 | -0.3 | -0.2 | -0.5 | 2.9 |
| 8/24/2020 10:00 AM | 0.6 | -0.3 | -0.2 | -0.5 | 2.9 |
| 8/24/2020 10:06 AM | 0.6 | -0.2 | -0.2 | -0.5 | 2.9 |
| 8/24/2020 10:12 AM | 0.5 | -0.2 | -0.2 | -0.5 | 2.8 |
| 8/24/2020 10:18 AM | 0.5 | -0.1 | -0.1 | -0.5 | 2.8 |
| 8/24/2020 10:24 AM | 0.5 | -0.1 | -0.1 | -0.5 | 2.8 |
| 8/24/2020 10:30 AM | 0.4 | 0.0  | 0.0  | -0.5 | 2.8 |
| 8/24/2020 10:36 AM | 0.4 | 0.1  | 0.0  | -0.5 | 2.9 |
| 8/24/2020 10:42 AM | 0.3 | 0.1  | -0.1 | -0.5 | 2.9 |
| 8/24/2020 10:48 AM | 0.2 | 0.1  | -0.2 | -0.5 | 2.9 |
| 8/24/2020 10:54 AM | 0.2 | 0.1  | -0.2 | -0.5 | 2.9 |
| 8/24/2020 11:00 AM | 0.2 | 0.1  | -0.3 | -0.5 | 2.9 |
| 8/24/2020 11:06 AM | 0.2 | 0.2  | -0.3 | -0.5 | 3.0 |
| 8/24/2020 11:12 AM | 0.1 | 0.2  | -0.4 | -0.5 | 3.1 |
| 8/24/2020 11:18 AM | 0.1 | 0.3  | -0.4 | -0.5 | 3.2 |
| 8/24/2020 11:24 AM | 0.1 | 0.3  | -0.4 | -0.5 | 3.1 |
| 8/24/2020 11:30 AM | 0.1 | 0.2  | -0.3 | -0.5 | 3.1 |
| 8/24/2020 11:36 AM | 0.1 | 0.1  | -0.3 | -0.5 | 3.1 |
| 8/24/2020 11:42 AM | 0.1 | 0.1  | -0.3 | -0.5 | 3.1 |
| 8/24/2020 11:48 AM | 0.1 | 0.1  | -0.3 | -0.5 | 2.9 |
| 8/24/2020 11:54 AM | 0.1 | 0.1  | -0.2 | -0.5 | 2.9 |
| 8/24/2020 12:00 PM | 0.2 | 0.1  | -0.1 | -0.5 | 2.9 |
| 8/24/2020 12:06 PM | 0.3 | 0.1  | 0.0  | -0.5 | 2.8 |
| 8/24/2020 12:12 PM | 0.3 | 0.1  | 0.0  | -0.4 | 2.8 |
| 8/24/2020 12:18 PM | 0.4 | 0.0  | 0.0  | -0.4 | 2.8 |
| 8/24/2020 12:24 PM | 0.4 | -0.1 | 0.0  | -0.5 | 2.9 |
| 8/24/2020 12:30 PM | 0.4 | -0.1 | -0.1 | -0.4 | 2.9 |
| 8/24/2020 12:36 PM | 0.4 | -0.1 | -0.1 | -0.4 | 2.9 |
| 8/24/2020 12:42 PM | 0.4 | 0.0  | -0.2 | -0.4 | 3.0 |
| 8/24/2020 12:48 PM | 0.4 | 0.1  | -0.2 | -0.4 | 3.0 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 8/24/2020 12:54 PM | 0.4 | 0.2 | -0.3 | -0.4 | 3.0 |
| 8/24/2020 1:00 PM  | 0.4 | 0.3 | -0.3 | -0.4 | 3.0 |
| 8/24/2020 1:06 PM  | 0.4 | 0.4 | -0.3 | -0.4 | 3.0 |
| 8/24/2020 1:12 PM  | 0.4 | 0.3 | -0.3 | -0.4 | 3.0 |
| 8/24/2020 1:18 PM  | 0.4 | 0.2 | -0.2 | -0.4 | 3.0 |
| 8/24/2020 1:24 PM  | 0.4 | 0.1 | -0.1 | -0.4 | 3.1 |
| 8/24/2020 1:30 PM  | 0.4 | 0.0 | -0.1 | -0.4 | 3.0 |
| 8/24/2020 1:36 PM  | 0.3 | 0.0 | -0.1 | -0.4 | 3.0 |
| 8/24/2020 1:42 PM  | 0.4 | 0.0 | -0.1 | -0.4 | 2.9 |
| 8/24/2020 1:48 PM  | 0.4 | 0.1 | -0.2 | -0.4 | 2.9 |
| 8/24/2020 1:54 PM  | 0.4 | 0.1 | -0.3 | -0.4 | 2.9 |
| 8/24/2020 2:00 PM  | 0.4 | 0.2 | -0.4 | -0.4 | 2.9 |
| 8/24/2020 2:06 PM  | 0.4 | 0.3 | -0.4 | -0.4 | 2.9 |
| 8/24/2020 2:12 PM  | 0.4 | 0.4 | -0.4 | -0.4 | 2.9 |
| 8/24/2020 2:18 PM  | 0.4 | 0.5 | -0.4 | -0.4 | 3.0 |
| 8/24/2020 2:24 PM  | 0.4 | 0.5 | -0.4 | -0.4 | 2.9 |
| 8/24/2020 2:30 PM  | 0.4 | 0.5 | -0.4 | -0.4 | 2.9 |
| 8/24/2020 2:36 PM  | 0.4 | 0.5 | -0.4 | -0.4 | 2.8 |
| 8/24/2020 2:42 PM  | 0.4 | 0.5 | -0.4 | -0.4 | 2.9 |
| 8/24/2020 2:48 PM  | 0.4 | 0.3 | -0.3 | -0.4 | 2.9 |
| 8/24/2020 2:54 PM  | 0.4 | 0.2 | -0.3 | -0.4 | 2.9 |
| 8/24/2020 3:00 PM  | 0.4 | 0.2 | -0.3 | -0.4 | 3.0 |
| 8/24/2020 3:06 PM  | 0.4 | 0.2 | -0.3 | -0.4 | 3.2 |
| 8/24/2020 3:12 PM  | 0.4 | 0.3 | -0.4 | -0.4 | 3.1 |
| 8/24/2020 3:18 PM  | 0.4 | 0.4 | -0.4 | -0.4 | 3.1 |
| 8/24/2020 3:24 PM  | 0.4 | 0.5 | -0.5 | -0.4 | 3.0 |
| 8/24/2020 3:30 PM  | 0.4 | 0.7 | -0.6 | -0.4 | 2.9 |
| 8/24/2020 3:36 PM  | 0.4 | 0.9 | -0.6 | -0.4 | 2.9 |
| 8/24/2020 3:42 PM  | 0.4 | 1.1 | -0.6 | -0.4 | 2.8 |
| 8/24/2020 3:48 PM  | 0.4 | 1.3 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 3:54 PM  | 0.4 | 1.4 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 4:00 PM  | 0.4 | 1.5 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 4:06 PM  | 0.4 | 1.5 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 4:12 PM  | 0.4 | 1.4 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 4:18 PM  | 0.4 | 1.4 | -0.7 | -0.4 | 2.8 |
| 8/24/2020 4:24 PM  | 0.4 | 1.4 | -0.7 | -0.4 | 2.8 |
| 8/24/2020 4:30 PM  | 0.4 | 1.4 | -0.7 | -0.4 | 2.8 |
| 8/24/2020 4:36 PM  | 0.4 | 1.4 | -0.7 | -0.4 | 2.8 |
| 8/24/2020 4:42 PM  | 0.3 | 1.4 | -0.7 | -0.4 | 2.8 |
| 8/24/2020 4:48 PM  | 0.3 | 1.5 | -0.7 | -0.4 | 2.8 |
| 8/24/2020 4:54 PM  | 0.3 | 1.5 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 5:00 PM  | 0.3 | 1.5 | -0.7 | -0.4 | 2.8 |
| 8/24/2020 5:06 PM  | 0.3 | 1.4 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 5:12 PM  | 0.3 | 1.4 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 5:18 PM  | 0.3 | 1.3 | -0.7 | -0.4 | 2.8 |
| 8/24/2020 5:24 PM  | 0.3 | 1.3 | -0.7 | -0.4 | 2.8 |
| 8/24/2020 5:30 PM  | 0.3 | 1.3 | -0.7 | -0.4 | 2.8 |
| 8/24/2020 5:36 PM  | 0.3 | 1.3 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 5:42 PM  | 0.3 | 1.3 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 5:48 PM  | 0.3 | 1.3 | -0.7 | -0.4 | 2.7 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 8/24/2020 5:54 PM  | 0.3 | 1.2 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 6:00 PM  | 0.3 | 1.2 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 6:06 PM  | 0.3 | 1.2 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 6:12 PM  | 0.3 | 1.2 | -0.7 | -0.4 | 2.6 |
| 8/24/2020 6:18 PM  | 0.3 | 1.2 | -0.7 | -0.4 | 2.6 |
| 8/24/2020 6:24 PM  | 0.3 | 1.2 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 6:30 PM  | 0.3 | 1.1 | -0.7 | -0.4 | 2.7 |
| 8/24/2020 6:36 PM  | 0.3 | 1.1 | -0.7 | -0.4 | 2.8 |
| 8/24/2020 6:42 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.8 |
| 8/24/2020 6:48 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.9 |
| 8/24/2020 6:54 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.9 |
| 8/24/2020 7:00 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 3.0 |
| 8/24/2020 7:06 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 3.0 |
| 8/24/2020 7:12 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.9 |
| 8/24/2020 7:18 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.9 |
| 8/24/2020 7:24 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.9 |
| 8/24/2020 7:30 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.8 |
| 8/24/2020 7:36 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.8 |
| 8/24/2020 7:42 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.9 |
| 8/24/2020 7:48 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.9 |
| 8/24/2020 7:54 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.8 |
| 8/24/2020 8:00 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.8 |
| 8/24/2020 8:06 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 8:12 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 8:18 PM  | 0.4 | 1.1 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 8:24 PM  | 0.4 | 1.1 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 8:30 PM  | 0.4 | 1.1 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 8:36 PM  | 0.4 | 1.1 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 8:42 PM  | 0.4 | 1.1 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 8:48 PM  | 0.4 | 1.1 | -0.6 | -0.4 | 2.8 |
| 8/24/2020 8:54 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 9:00 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 9:06 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 9:12 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 9:18 PM  | 0.3 | 1.1 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 9:24 PM  | 0.3 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 9:30 PM  | 0.4 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 9:36 PM  | 0.4 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 9:42 PM  | 0.3 | 1.2 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 9:48 PM  | 0.4 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 9:54 PM  | 0.3 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 10:00 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.5 |
| 8/24/2020 10:06 PM | 0.4 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 10:12 PM | 0.4 | 1.2 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 10:18 PM | 0.4 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 10:24 PM | 0.4 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 10:30 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 10:36 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 10:42 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 10:48 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.7 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 8/24/2020 10:54 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 11:00 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 11:06 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 11:12 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 11:18 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 11:24 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 11:30 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 11:36 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 11:42 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/24/2020 11:48 PM | 0.3 | 1.2 | -0.6 | -0.4 | 2.7 |
| 8/24/2020 11:54 PM | 0.4 | 1.2 | -0.6 | -0.4 | 2.7 |
| 8/25/2020 12:00 AM | 0.4 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/25/2020 12:06 AM | 0.4 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/25/2020 12:12 AM | 0.3 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/25/2020 12:18 AM | 0.3 | 1.2 | -0.6 | -0.4 | 2.6 |
| 8/25/2020 12:24 AM | 0.3 | 1.2 | -0.6 | -0.4 | 2.5 |
| 8/25/2020 12:30 AM | 0.3 | 1.3 | -0.6 | -0.4 | 2.5 |
| 8/25/2020 12:36 AM | 0.3 | 1.3 | -0.6 | -0.4 | 2.5 |
| 8/25/2020 12:42 AM | 0.4 | 1.3 | -0.6 | -0.4 | 2.5 |
| 8/25/2020 12:48 AM | 0.5 | 1.3 | -0.6 | -0.4 | 1.4 |
| 8/25/2020 12:54 AM | 0.4 | 1.3 | -0.6 | -0.4 | 0.1 |
| 8/25/2020 1:00 AM  | 0.4 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 1:06 AM  | 0.4 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 1:12 AM  | 0.5 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 1:18 AM  | 0.6 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 1:24 AM  | 0.6 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 1:30 AM  | 0.7 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 1:36 AM  | 0.6 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 1:42 AM  | 0.7 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 1:48 AM  | 0.7 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 1:54 AM  | 0.6 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 2:00 AM  | 0.6 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 2:06 AM  | 0.6 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 2:12 AM  | 0.5 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 2:18 AM  | 0.5 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 2:24 AM  | 0.5 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 2:30 AM  | 0.5 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 2:36 AM  | 0.5 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 2:42 AM  | 0.4 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 2:48 AM  | 0.4 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 2:54 AM  | 0.4 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 3:00 AM  | 0.3 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 3:06 AM  | 0.3 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 3:12 AM  | 0.3 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 3:18 AM  | 0.3 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 3:24 AM  | 0.2 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 3:30 AM  | 0.2 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 3:36 AM  | 0.2 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 3:42 AM  | 0.2 | 1.3 | -0.6 | -0.4 | 0.0 |
| 8/25/2020 3:48 AM  | 0.2 | 1.3 | -0.6 | -0.4 | 0.0 |



|                   |      |     |      |      |      |
|-------------------|------|-----|------|------|------|
| 8/25/2020 3:54 AM | 0.2  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 4:00 AM | 0.2  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 4:06 AM | 0.2  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 4:12 AM | 0.1  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 4:18 AM | 0.1  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 4:24 AM | 0.2  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 4:30 AM | 0.1  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 4:36 AM | 0.1  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 4:42 AM | 0.1  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 4:48 AM | 0.1  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 4:54 AM | 0.1  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 5:00 AM | 0.1  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 5:06 AM | 0.1  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 5:12 AM | 0.1  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 5:18 AM | 0.1  | 1.3 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 5:24 AM | 0.1  | 1.4 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 5:30 AM | 0.1  | 1.4 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 5:36 AM | 0.1  | 1.4 | -0.6 | -0.4 | 0.0  |
| 8/25/2020 5:42 AM | 0.1  | 1.4 | -0.7 | -0.4 | 0.0  |
| 8/25/2020 5:48 AM | 0.1  | 1.5 | -0.7 | -0.4 | 0.0  |
| 8/25/2020 5:54 AM | 0.1  | 1.7 | -0.8 | -0.4 | 0.0  |
| 8/25/2020 6:00 AM | 0.1  | 2.0 | -0.9 | -0.4 | 0.0  |
| 8/25/2020 6:06 AM | 0.1  | 2.2 | -0.9 | -0.4 | 0.0  |
| 8/25/2020 6:12 AM | 0.1  | 2.3 | -1.0 | -0.4 | 0.0  |
| 8/25/2020 6:18 AM | 0.1  | 2.3 | -1.0 | -0.4 | 0.0  |
| 8/25/2020 6:24 AM | 0.1  | 2.3 | -1.0 | -0.4 | 4.1  |
| 8/25/2020 6:30 AM | 0.1  | 2.2 | -1.0 | -0.5 | 12.9 |
| 8/25/2020 6:36 AM | -0.3 | 2.2 | -1.0 | -0.5 | 11.8 |
| 8/25/2020 6:42 AM | -0.6 | 2.2 | -1.0 | -0.5 | 7.9  |
| 8/25/2020 6:48 AM | -0.6 | 2.1 | -1.0 | -0.5 | 7.3  |
| 8/25/2020 6:54 AM | -0.6 | 2.0 | -1.0 | -0.5 | 7.1  |
| 8/25/2020 7:00 AM | -0.6 | 1.9 | -1.0 | -0.5 | 7.2  |
| 8/25/2020 7:06 AM | -0.5 | 1.9 | -1.0 | -0.5 | 6.5  |
| 8/25/2020 7:12 AM | -0.5 | 1.8 | -1.0 | -0.5 | 5.7  |
| 8/25/2020 7:18 AM | -0.5 | 1.8 | -1.0 | -0.5 | 4.9  |
| 8/25/2020 7:24 AM | -0.5 | 1.7 | -0.9 | -0.5 | 4.5  |
| 8/25/2020 7:30 AM | -0.5 | 1.7 | -0.9 | -0.5 | 4.4  |
| 8/25/2020 7:36 AM | -0.5 | 1.4 | -0.8 | -0.5 | 5.2  |
| 8/25/2020 7:42 AM | -0.5 | 0.9 | -0.6 | -0.5 | 6.4  |
| 8/25/2020 7:48 AM | -0.5 | 0.6 | -0.4 | -0.5 | 6.3  |
| 8/25/2020 7:54 AM | 0.7  | 0.8 | -0.4 | -0.5 | 5.3  |
| 8/25/2020 8:00 AM | 1.2  | 1.1 | -0.4 | -0.5 | 3.3  |
| 8/25/2020 8:06 AM | 0.6  | 1.4 | -0.4 | -0.5 | 2.3  |
| 8/25/2020 8:12 AM | 0.7  | 1.6 | -0.3 | -0.5 | 2.4  |
| 8/25/2020 8:18 AM | 0.7  | 1.7 | -0.2 | -0.5 | 2.5  |
| 8/25/2020 8:24 AM | 0.7  | 1.8 | -0.1 | -0.5 | 2.4  |
| 8/25/2020 8:30 AM | 0.8  | 1.8 | -0.1 | -0.5 | 2.4  |
| 8/25/2020 8:36 AM | 0.8  | 1.7 | -0.2 | -0.5 | 2.4  |
| 8/25/2020 8:42 AM | 0.8  | 1.6 | -0.2 | -0.5 | 2.4  |
| 8/25/2020 8:48 AM | 0.8  | 1.3 | -0.2 | -0.5 | 2.5  |

|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 8/25/2020 8:54 AM  | 0.7 | 1.0  | -0.2 | -0.5 | 2.5 |
| 8/25/2020 9:00 AM  | 0.4 | 0.7  | -0.2 | -0.5 | 2.5 |
| 8/25/2020 9:06 AM  | 0.3 | 0.6  | -0.2 | -0.5 | 2.5 |
| 8/25/2020 9:12 AM  | 0.4 | 0.5  | -0.2 | -0.5 | 2.5 |
| 8/25/2020 9:18 AM  | 0.4 | 0.4  | -0.2 | -0.5 | 2.5 |
| 8/25/2020 9:24 AM  | 0.4 | 0.5  | -0.2 | -0.5 | 2.5 |
| 8/25/2020 9:30 AM  | 0.4 | 0.5  | -0.3 | -0.5 | 2.5 |
| 8/25/2020 9:36 AM  | 0.4 | 0.4  | -0.3 | -0.5 | 2.5 |
| 8/25/2020 9:42 AM  | 0.4 | 0.3  | -0.2 | -0.5 | 2.5 |
| 8/25/2020 9:48 AM  | 0.4 | 0.3  | -0.2 | -0.5 | 2.5 |
| 8/25/2020 9:54 AM  | 0.4 | 0.4  | -0.3 | -0.5 | 2.5 |
| 8/25/2020 10:00 AM | 0.4 | 0.5  | -0.3 | -0.5 | 2.5 |
| 8/25/2020 10:06 AM | 0.4 | 0.5  | -0.3 | -0.5 | 2.5 |
| 8/25/2020 10:12 AM | 0.4 | 0.5  | -0.3 | -0.4 | 2.5 |
| 8/25/2020 10:18 AM | 0.4 | 0.5  | -0.2 | -0.4 | 2.5 |
| 8/25/2020 10:24 AM | 0.4 | 0.6  | -0.2 | -0.4 | 2.5 |
| 8/25/2020 10:30 AM | 0.4 | 0.6  | -0.1 | -0.4 | 2.5 |
| 8/25/2020 10:36 AM | 0.4 | 0.6  | -0.1 | -0.5 | 2.5 |
| 8/25/2020 10:42 AM | 0.4 | 0.6  | -0.1 | -0.4 | 2.4 |
| 8/25/2020 10:48 AM | 0.4 | 0.6  | -0.2 | -0.4 | 2.3 |
| 8/25/2020 10:54 AM | 0.4 | 0.6  | -0.3 | -0.4 | 2.3 |
| 8/25/2020 11:00 AM | 0.4 | 0.6  | -0.3 | -0.4 | 2.4 |
| 8/25/2020 11:06 AM | 0.4 | 0.6  | -0.3 | -0.5 | 2.4 |
| 8/25/2020 11:12 AM | 0.4 | 0.7  | -0.3 | -0.5 | 2.5 |
| 8/25/2020 11:18 AM | 0.4 | 0.7  | -0.4 | -0.4 | 2.6 |
| 8/25/2020 11:24 AM | 0.5 | 0.7  | -0.3 | -0.4 | 2.6 |
| 8/25/2020 11:30 AM | 0.4 | 0.6  | -0.3 | -0.4 | 2.5 |
| 8/25/2020 11:36 AM | 0.4 | 0.5  | -0.3 | -0.4 | 2.4 |
| 8/25/2020 11:42 AM | 0.4 | 0.5  | -0.3 | -0.4 | 2.3 |
| 8/25/2020 11:48 AM | 0.4 | 0.5  | -0.3 | -0.4 | 2.4 |
| 8/25/2020 11:54 AM | 0.4 | 0.6  | -0.2 | -0.4 | 2.4 |
| 8/25/2020 12:00 PM | 0.4 | 0.6  | -0.1 | -0.4 | 2.4 |
| 8/25/2020 12:06 PM | 0.3 | 20.2 | 0.0  | -0.4 | 2.4 |
| 8/25/2020 12:12 PM | 0.3 | 15.9 | 0.0  | -0.4 | 2.4 |
| 8/25/2020 12:18 PM | 0.3 | 2.0  | 0.0  | 10.8 | 2.5 |
| 8/25/2020 12:24 PM | 0.3 | 1.7  | -0.1 | 20.7 | 2.5 |
| 8/25/2020 12:30 PM | 0.3 | 1.6  | -0.1 | 6.6  | 2.5 |
| 8/25/2020 12:36 PM | 0.3 | 1.6  | -0.2 | 0.8  | 2.5 |
| 8/25/2020 12:42 PM | 0.3 | 1.5  | -0.2 | 0.3  | 2.5 |
| 8/25/2020 12:48 PM | 0.3 | 1.5  | -0.3 | 0.1  | 2.5 |
| 8/25/2020 12:54 PM | 0.3 | 1.4  | -0.3 | 0.0  | 2.5 |
| 8/25/2020 1:00 PM  | 0.3 | 1.4  | -0.3 | -0.1 | 2.5 |
| 8/25/2020 1:06 PM  | 0.3 | 1.3  | -0.3 | -0.2 | 2.5 |
| 8/25/2020 1:12 PM  | 0.3 | 1.2  | -0.3 | -0.3 | 2.5 |
| 8/25/2020 1:18 PM  | 0.4 | 1.2  | -0.3 | -0.3 | 2.5 |
| 8/25/2020 1:24 PM  | 0.3 | 1.1  | -0.3 | -0.4 | 2.5 |
| 8/25/2020 1:30 PM  | 0.3 | 0.9  | -0.2 | -0.4 | 2.6 |
| 8/25/2020 1:36 PM  | 0.3 | 0.7  | -0.2 | -0.4 | 2.6 |
| 8/25/2020 1:42 PM  | 0.3 | 0.6  | -0.2 | -0.4 | 2.6 |
| 8/25/2020 1:48 PM  | 0.3 | 0.7  | -0.2 | -0.4 | 2.5 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 8/25/2020 1:54 PM | 0.3 | 0.9  | -0.3 | -0.4 | 2.6 |
| 8/25/2020 2:00 PM | 0.3 | 1.1  | -0.4 | -0.4 | 2.6 |
| 8/25/2020 2:06 PM | 0.3 | 1.2  | -0.5 | -0.4 | 2.5 |
| 8/25/2020 2:12 PM | 0.3 | 1.3  | -0.5 | -0.4 | 2.5 |
| 8/25/2020 2:18 PM | 0.3 | 1.4  | -0.6 | -0.4 | 2.5 |
| 8/25/2020 2:24 PM | 0.3 | 1.5  | -0.6 | -0.4 | 2.5 |
| 8/25/2020 2:30 PM | 0.3 | 1.7  | -0.6 | -0.4 | 2.6 |
| 8/25/2020 2:36 PM | 0.3 | 1.7  | -0.6 | -0.4 | 2.6 |
| 8/25/2020 2:42 PM | 0.3 | 1.7  | -0.6 | -0.4 | 2.6 |
| 8/25/2020 2:48 PM | 0.3 | 1.7  | -0.6 | -0.4 | 2.6 |
| 8/25/2020 2:54 PM | 0.3 | 1.7  | -0.6 | -0.4 | 2.6 |
| 8/25/2020 3:00 PM | 0.3 | 2.0  | -0.7 | -0.4 | 2.6 |
| 8/25/2020 3:06 PM | 0.3 | 1.8  | -0.7 | -0.4 | 2.6 |
| 8/25/2020 3:12 PM | 0.3 | 0.8  | -0.6 | -0.3 | 2.6 |
| 8/25/2020 3:18 PM | 0.3 | 0.5  | -0.5 | -0.3 | 2.6 |
| 8/25/2020 3:24 PM | 0.3 | 0.6  | -0.5 | -0.4 | 2.6 |
| 8/25/2020 3:30 PM | 0.6 | 0.8  | -0.5 | -0.4 | 2.6 |
| 8/25/2020 3:36 PM | 0.7 | 0.9  | -0.5 | -0.4 | 2.6 |
| 8/25/2020 3:42 PM | 0.7 | 1.1  | -0.5 | -0.4 | 2.6 |
| 8/25/2020 3:48 PM | 0.7 | 1.2  | -0.5 | -0.4 | 2.6 |
| 8/25/2020 3:54 PM | 0.7 | 1.3  | -0.5 | -0.4 | 2.6 |
| 8/25/2020 4:00 PM | 0.7 | 1.5  | -0.5 | -0.4 | 2.6 |
| 8/25/2020 4:06 PM | 0.7 | 1.6  | -0.6 | -0.4 | 2.7 |
| 8/25/2020 4:12 PM | 0.7 | 1.7  | -0.6 | -0.4 | 2.7 |
| 8/25/2020 4:18 PM | 0.7 | 1.7  | -0.6 | -0.4 | 2.6 |
| 8/25/2020 4:24 PM | 0.6 | 1.8  | -0.6 | -0.4 | 2.6 |
| 8/25/2020 4:30 PM | 0.3 | 1.8  | -0.6 | -0.4 | 2.6 |
| 8/25/2020 4:36 PM | 0.2 | 1.8  | -0.6 | -0.4 | 2.6 |
| 8/25/2020 4:42 PM | 0.2 | 1.6  | -0.6 | -0.4 | 2.6 |
| 8/25/2020 4:48 PM | 0.2 | 1.5  | -0.6 | -0.4 | 2.7 |
| 8/25/2020 4:54 PM | 0.2 | 1.3  | -0.6 | -0.4 | 2.7 |
| 8/25/2020 5:00 PM | 0.2 | 1.4  | -0.6 | -0.4 | 2.7 |
| 8/25/2020 5:06 PM | 0.2 | 1.3  | -0.5 | -0.4 | 2.7 |
| 8/25/2020 5:12 PM | 0.3 | 0.6  | -0.2 | -0.2 | 2.7 |
| 8/25/2020 5:18 PM | 0.4 | 0.4  | -0.2 | -0.2 | 2.8 |
| 8/25/2020 5:24 PM | 1.1 | 0.4  | -0.2 | -0.2 | 3.2 |
| 8/25/2020 5:30 PM | 1.7 | 0.4  | -0.2 | -0.2 | 7.4 |
| 8/25/2020 5:36 PM | 1.2 | 0.3  | -0.2 | -0.3 | 9.1 |
| 8/25/2020 5:42 PM | 1.1 | 8.3  | -0.3 | -0.3 | 8.0 |
| 8/25/2020 5:48 PM | 1.0 | 16.6 | -0.3 | -0.3 | 7.7 |
| 8/25/2020 5:54 PM | 1.0 | 10.6 | -0.2 | -0.3 | 7.4 |
| 8/25/2020 6:00 PM | 1.0 | 7.4  | -0.2 | -0.3 | 7.3 |
| 8/25/2020 6:06 PM | 0.9 | 4.6  | -0.1 | -0.4 | 7.2 |
| 8/25/2020 6:12 PM | 0.9 | 3.2  | -0.1 | -0.4 | 7.2 |
| 8/25/2020 6:18 PM | 0.9 | 3.2  | 0.0  | -0.4 | 7.3 |
| 8/25/2020 6:24 PM | 0.9 | 3.7  | 0.1  | -0.4 | 7.5 |
| 8/25/2020 6:30 PM | 0.9 | 3.7  | 0.1  | -0.4 | 7.5 |
| 8/25/2020 6:36 PM | 0.9 | 3.3  | 0.1  | -0.4 | 7.4 |
| 8/25/2020 6:42 PM | 1.0 | 2.5  | 0.1  | -0.4 | 7.5 |
| 8/25/2020 6:48 PM | 1.1 | 2.0  | 0.1  | -0.4 | 7.6 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 8/25/2020 6:54 PM  | 1.1 | 1.6 | 0.0  | -0.4 | 7.6 |
| 8/25/2020 7:00 PM  | 1.0 | 1.3 | 0.0  | -0.4 | 7.6 |
| 8/25/2020 7:06 PM  | 1.0 | 1.1 | 0.0  | -0.4 | 7.6 |
| 8/25/2020 7:12 PM  | 0.9 | 1.0 | -0.1 | -0.4 | 7.7 |
| 8/25/2020 7:18 PM  | 1.0 | 1.0 | -0.1 | -0.4 | 7.5 |
| 8/25/2020 7:24 PM  | 0.9 | 1.0 | -0.1 | -0.4 | 7.0 |
| 8/25/2020 7:30 PM  | 0.8 | 0.9 | -0.1 | -0.4 | 6.7 |
| 8/25/2020 7:36 PM  | 0.8 | 0.9 | -0.2 | -0.4 | 6.6 |
| 8/25/2020 7:42 PM  | 0.8 | 0.8 | -0.2 | -0.4 | 6.5 |
| 8/25/2020 7:48 PM  | 0.7 | 0.7 | -0.2 | -0.4 | 6.5 |
| 8/25/2020 7:54 PM  | 0.7 | 0.6 | -0.3 | -0.4 | 6.5 |
| 8/25/2020 8:00 PM  | 0.8 | 0.6 | -0.3 | -0.4 | 3.5 |
| 8/25/2020 8:06 PM  | 0.9 | 0.6 | -0.3 | -0.4 | 0.2 |
| 8/25/2020 8:12 PM  | 0.8 | 0.5 | -0.3 | -0.4 | 2.3 |
| 8/25/2020 8:18 PM  | 0.8 | 0.5 | -0.3 | -0.4 | 2.4 |
| 8/25/2020 8:24 PM  | 0.4 | 0.5 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 8:30 PM  | 0.1 | 0.5 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 8:36 PM  | 0.1 | 0.5 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 8:42 PM  | 0.1 | 0.5 | -0.4 | -0.4 | 0.2 |
| 8/25/2020 8:48 PM  | 0.2 | 0.5 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 8:54 PM  | 0.2 | 0.5 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 9:00 PM  | 0.1 | 0.5 | -0.3 | -0.4 | 0.1 |
| 8/25/2020 9:06 PM  | 0.2 | 0.5 | -0.4 | -0.4 | 0.2 |
| 8/25/2020 9:12 PM  | 0.2 | 0.5 | -0.4 | -0.4 | 0.2 |
| 8/25/2020 9:18 PM  | 0.2 | 0.4 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 9:24 PM  | 0.2 | 0.4 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 9:30 PM  | 0.2 | 0.4 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 9:36 PM  | 0.2 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 9:42 PM  | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 9:48 PM  | 0.1 | 0.4 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 9:54 PM  | 0.1 | 0.4 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 10:00 PM | 0.0 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 10:06 PM | 0.0 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 10:12 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 10:18 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 10:24 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 10:30 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 10:36 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 10:42 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 10:48 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 10:54 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/25/2020 11:00 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 11:06 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 11:12 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 11:18 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 11:24 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 11:30 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 11:36 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 11:42 PM | 0.1 | 0.3 | -0.4 | -0.4 | 0.1 |
| 8/25/2020 11:48 PM | 0.1 | 0.2 | -0.4 | -0.4 | 0.1 |

|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 8/25/2020 11:54 PM | 0.1 | -0.1 | -0.4 | -0.4 | 0.1 |
| 8/26/2020 12:00 AM | 0.1 | -0.7 | -0.4 | -0.4 | 0.1 |
| 8/26/2020 12:06 AM | 0.1 | -1.0 | -0.4 | -0.4 | 0.1 |
| 8/26/2020 12:12 AM | 0.0 | -1.0 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 12:18 AM | 0.0 | -1.0 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 12:24 AM | 0.1 | -1.0 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 12:30 AM | 0.1 | -1.1 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 12:36 AM | 0.1 | -1.1 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 12:42 AM | 0.1 | -1.1 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 12:48 AM | 0.2 | -1.1 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 12:54 AM | 0.2 | -1.1 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 1:00 AM  | 0.3 | -1.1 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 1:06 AM  | 0.3 | -1.1 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 1:12 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 1:18 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 1:24 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 1:30 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 1:36 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 1:42 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 1:48 AM  | 0.4 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 1:54 AM  | 0.4 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:00 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:06 AM  | 0.3 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:12 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:18 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:24 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:30 AM  | 0.3 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:36 AM  | 0.3 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:42 AM  | 0.3 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:48 AM  | 0.3 | -0.9 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 2:54 AM  | 0.4 | -0.9 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 3:00 AM  | 0.4 | -0.9 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 3:06 AM  | 0.4 | -0.9 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 3:12 AM  | 0.4 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 3:18 AM  | 0.3 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 3:24 AM  | 0.3 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 3:30 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 3:36 AM  | 0.3 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 3:42 AM  | 0.3 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 3:48 AM  | 0.3 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 3:54 AM  | 0.3 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 4:00 AM  | 0.3 | -0.9 | -0.5 | -0.4 | 0.1 |
| 8/26/2020 4:06 AM  | 0.1 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 4:12 AM  | 0.0 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 4:18 AM  | 0.0 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 4:24 AM  | 0.0 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 4:30 AM  | 0.0 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 4:36 AM  | 0.0 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 4:42 AM  | 0.0 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 4:48 AM  | 0.0 | -0.9 | -0.5 | -0.4 | 0.0 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 8/26/2020 4:54 AM | 0.0  | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 5:00 AM | 0.0  | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 5:06 AM | 0.0  | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 5:12 AM | 0.0  | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 5:18 AM | 0.0  | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 5:24 AM | -0.1 | -1.0 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 5:30 AM | -0.1 | -0.9 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 5:36 AM | -0.1 | -0.9 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:42 AM | -0.1 | -0.9 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:48 AM | 0.0  | -0.9 | -0.7 | -0.4 | 0.0 |
| 8/26/2020 5:54 AM | -0.1 | -0.9 | -0.8 | -0.4 | 0.0 |
| 8/26/2020 6:00 AM | -0.1 | -0.9 | -0.9 | -0.4 | 0.0 |
| 8/26/2020 6:06 AM | -0.1 | -0.9 | -1.0 | -0.4 | 0.0 |
| 8/26/2020 6:12 AM | -0.1 | -0.9 | -1.0 | -0.4 | 0.0 |
| 8/26/2020 6:18 AM | -0.1 | -0.9 | -1.0 | -0.4 | 0.0 |
| 8/26/2020 6:24 AM | -0.1 | -0.9 | -1.0 | -0.4 | 0.0 |
| 8/26/2020 6:30 AM | -0.1 | -0.9 | -1.0 | -0.4 | 0.0 |
| 8/26/2020 6:36 AM | -0.1 | -0.9 | -1.0 | -0.4 | 0.0 |
| 8/26/2020 6:42 AM | -0.1 | -0.9 | -1.0 | -0.4 | 0.0 |
| 8/26/2020 6:48 AM | -0.1 | 0.9  | -1.0 | -0.4 | 0.0 |
| 8/26/2020 6:54 AM | -0.1 | 6.6  | -0.9 | -0.4 | 0.0 |
| 8/26/2020 7:00 AM | -0.1 | 5.6  | -0.9 | -0.4 | 0.0 |
| 8/26/2020 7:06 AM | 0.0  | 3.0  | -0.9 | -0.4 | 0.0 |
| 8/26/2020 7:12 AM | 0.0  | 2.4  | -0.8 | -0.4 | 0.0 |
| 8/26/2020 7:18 AM | 0.0  | 1.6  | -0.8 | -0.4 | 0.0 |
| 8/26/2020 7:24 AM | 0.1  | 1.0  | -0.7 | -0.4 | 0.0 |
| 8/26/2020 7:30 AM | 0.1  | 0.8  | -0.7 | -0.4 | 0.0 |
| 8/26/2020 7:36 AM | 0.1  | 0.7  | -0.7 | -0.5 | 0.0 |
| 8/26/2020 7:42 AM | 0.1  | 0.5  | -0.7 | -0.5 | 0.0 |
| 8/26/2020 7:48 AM | 0.1  | 0.5  | -0.6 | -0.5 | 0.0 |
| 8/26/2020 7:54 AM | 0.1  | 0.4  | -0.5 | -0.5 | 0.0 |
| 8/26/2020 8:00 AM | 0.1  | 0.3  | -0.4 | -0.5 | 0.0 |
| 8/26/2020 8:06 AM | 0.1  | 0.3  | -0.3 | -0.5 | 0.0 |
| 8/26/2020 8:12 AM | 0.1  | 0.2  | -0.2 | -0.5 | 0.0 |
| 8/26/2020 8:18 AM | 0.1  | 0.1  | -0.2 | -0.5 | 0.0 |
| 8/26/2020 8:24 AM | 0.1  | 0.1  | -0.2 | -0.5 | 0.0 |
| 8/26/2020 8:30 AM | 0.1  | 0.1  | -0.2 | -0.5 | 0.0 |
| 8/26/2020 8:36 AM | 0.1  | 0.1  | -0.2 | -0.5 | 0.0 |
| 8/26/2020 8:42 AM | 0.1  | 0.1  | -0.2 | -0.4 | 0.0 |
| 8/26/2020 8:48 AM | 0.2  | 0.1  | -0.3 | -0.4 | 0.0 |
| 8/26/2020 8:54 AM | 0.2  | 0.1  | -0.3 | -0.4 | 0.0 |
| 8/26/2020 9:00 AM | 0.2  | 0.2  | -0.4 | -0.4 | 0.0 |
| 8/26/2020 9:06 AM | 0.2  | 0.2  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:12 AM | 0.2  | 0.1  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:18 AM | 0.2  | 0.1  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:24 AM | 0.2  | 0.2  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:30 AM | 0.1  | 0.2  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 9:36 AM | 0.1  | 0.1  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 9:42 AM | 0.1  | 0.1  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 9:48 AM | 0.1  | 0.1  | -0.6 | -0.4 | 0.0 |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 8/26/2020 9:54 AM  | 0.1 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 10:00 AM | 0.1 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 10:06 AM | 0.1 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 10:12 AM | 0.1 | 0.2 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 10:18 AM | 0.1 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 10:24 AM | 0.1 | 0.2 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 10:30 AM | 0.1 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 10:36 AM | 0.1 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 10:42 AM | 0.1 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 10:48 AM | 0.1 | 0.2 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 10:54 AM | 0.1 | 0.2 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 11:00 AM | 0.1 | 0.2 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 11:06 AM | 0.1 | 0.2 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 11:12 AM | 0.1 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 11:18 AM | 0.1 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 11:24 AM | 0.1 | 0.2 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 11:30 AM | 0.1 | 0.2 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 11:36 AM | 0.1 | 0.2 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 11:42 AM | 0.1 | 0.2 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 11:48 AM | 0.2 | 0.2 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 11:54 AM | 0.2 | 0.2 | -0.2 | -0.4 | 0.0 |
| 8/26/2020 12:00 PM | 0.2 | 0.2 | -0.1 | -0.4 | 0.0 |
| 8/26/2020 12:06 PM | 0.3 | 0.2 | 0.0  | -0.4 | 0.0 |
| 8/26/2020 12:12 PM | 0.3 | 0.2 | -0.1 | -0.4 | 0.0 |
| 8/26/2020 12:18 PM | 0.3 | 0.2 | -0.1 | -0.4 | 0.0 |
| 8/26/2020 12:24 PM | 0.3 | 0.2 | -0.2 | -0.4 | 0.0 |
| 8/26/2020 12:30 PM | 0.3 | 0.3 | -0.3 | -0.4 | 0.0 |
| 8/26/2020 12:36 PM | 0.3 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 12:42 PM | 0.3 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 12:48 PM | 0.3 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 12:54 PM | 0.3 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 1:00 PM  | 0.3 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 1:06 PM  | 0.3 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 1:12 PM  | 0.3 | 0.2 | -0.6 | -0.5 | 0.0 |
| 8/26/2020 1:18 PM  | 0.3 | 0.2 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 1:24 PM  | 0.3 | 0.2 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 1:30 PM  | 0.3 | 0.2 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 1:36 PM  | 0.3 | 0.2 | -0.3 | -0.4 | 0.0 |
| 8/26/2020 1:42 PM  | 0.3 | 0.2 | -0.3 | -0.4 | 0.0 |
| 8/26/2020 1:48 PM  | 0.3 | 0.2 | -0.3 | -0.4 | 0.0 |
| 8/26/2020 1:54 PM  | 0.3 | 0.2 | -0.3 | -0.4 | 0.0 |
| 8/26/2020 2:00 PM  | 0.3 | 0.2 | -0.3 | -0.4 | 0.0 |
| 8/26/2020 2:06 PM  | 0.3 | 0.2 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 2:12 PM  | 0.3 | 0.2 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 2:18 PM  | 0.3 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 2:24 PM  | 0.3 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:30 PM  | 0.3 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:36 PM  | 0.3 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 2:42 PM  | 0.3 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 2:48 PM  | 0.3 | 0.3 | -0.3 | -0.4 | 0.0 |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 8/26/2020 2:54 PM | 0.3 | 0.3 | -0.3 | -0.4 | 0.0 |
| 8/26/2020 3:00 PM | 0.3 | 0.3 | -0.2 | -0.4 | 0.0 |
| 8/26/2020 3:06 PM | 0.3 | 0.3 | -0.3 | -0.4 | 0.0 |
| 8/26/2020 3:12 PM | 0.3 | 0.3 | -0.4 | -0.4 | 0.0 |
| 8/26/2020 3:18 PM | 0.3 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 3:24 PM | 0.3 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 3:30 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 3:36 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 3:42 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 3:48 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 3:54 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 4:00 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 4:06 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 4:12 PM | 0.3 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 4:18 PM | 0.3 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 4:24 PM | 0.3 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 4:30 PM | 0.3 | 0.2 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 4:36 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 4:42 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 4:48 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 4:54 PM | 0.3 | 0.4 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:00 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:06 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:12 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:18 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:24 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:30 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:36 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:42 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:48 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 5:54 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 6:00 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 6:06 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 6:12 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 6:18 PM | 0.3 | 0.4 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 6:24 PM | 0.2 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 6:30 PM | 0.2 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 6:36 PM | 0.2 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 6:42 PM | 0.2 | 0.4 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 6:48 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 6:54 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 7:00 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 7:06 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 7:12 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 7:18 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 7:24 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 7:30 PM | 0.3 | 0.3 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 7:36 PM | 0.3 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 7:42 PM | 0.3 | 0.3 | -0.5 | -0.4 | 0.0 |
| 8/26/2020 7:48 PM | 0.3 | 0.3 | -0.5 | -0.4 | 0.0 |



|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 8/26/2020 7:54 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 8:00 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 8:06 PM  | 0.2 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 8:12 PM  | 0.2 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 8:18 PM  | 0.2 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 8:24 PM  | 0.2 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 8:30 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 8:36 PM  | 0.3 | 0.2  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 8:42 PM  | 0.3 | 0.2  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 8:48 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 8:54 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:00 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:06 PM  | 0.2 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:12 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:18 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:24 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:30 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:36 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:42 PM  | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:48 PM  | 0.2 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 9:54 PM  | 0.2 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 10:00 PM | 0.3 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 10:06 PM | 0.2 | 0.3  | -0.5 | -0.4 | 0.0 |
| 8/26/2020 10:12 PM | 0.2 | 0.3  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 10:18 PM | 0.3 | 0.3  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 10:24 PM | 0.3 | 0.3  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 10:30 PM | 0.3 | 0.3  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 10:36 PM | 0.3 | 0.2  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 10:42 PM | 0.3 | 0.2  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 10:48 PM | 0.2 | 0.2  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 10:54 PM | 0.3 | 0.3  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 11:00 PM | 0.2 | 0.2  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 11:06 PM | 0.3 | 0.2  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 11:12 PM | 0.4 | 0.0  | -0.6 | -0.4 | 0.0 |
| 8/26/2020 11:18 PM | 0.5 | -0.5 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 11:24 PM | 0.4 | -0.9 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 11:30 PM | 0.4 | -1.0 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 11:36 PM | 0.4 | -1.0 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 11:42 PM | 0.3 | -1.0 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 11:48 PM | 0.3 | -1.0 | -0.6 | -0.4 | 0.0 |
| 8/26/2020 11:54 PM | 0.3 | -1.0 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 12:00 AM | 0.3 | -1.0 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 12:06 AM | 0.2 | -1.0 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 12:12 AM | 0.2 | -0.9 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 12:18 AM | 0.2 | -0.9 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 12:24 AM | 0.2 | -0.9 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 12:30 AM | 0.2 | -1.0 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 12:36 AM | 0.2 | -1.0 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 12:42 AM | 0.2 | -1.0 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 12:48 AM | 0.3 | -1.0 | -0.6 | -0.4 | 0.0 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 8/27/2020 12:54 AM | 0.3  | -1.0 | -0.6 | -0.4 | 0.0  |
| 8/27/2020 1:00 AM  | 0.3  | -1.0 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 1:06 AM  | 0.3  | -1.0 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 1:12 AM  | 0.3  | -1.0 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 1:18 AM  | 0.4  | -1.0 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 1:24 AM  | 0.4  | -1.0 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 1:30 AM  | 0.4  | -1.0 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 1:36 AM  | 0.4  | -1.0 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 1:42 AM  | 0.5  | -1.0 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 1:48 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 1:54 AM  | 0.5  | -1.0 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 2:00 AM  | 0.5  | -1.0 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 2:06 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 2:12 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 2:18 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 2:24 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 2:30 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 2:36 AM  | 0.6  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 2:42 AM  | 0.6  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 2:48 AM  | 0.6  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 2:54 AM  | 0.6  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 3:00 AM  | 0.6  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 3:06 AM  | 0.6  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 3:12 AM  | 0.6  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 3:18 AM  | 0.6  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 3:24 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 3:30 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 3:36 AM  | 0.6  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 3:42 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 3:48 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 3:54 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 4:00 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 4:06 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 4:12 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 4:18 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 4:24 AM  | 0.5  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 4:30 AM  | 0.6  | -0.9 | -0.5 | -0.4 | 0.0  |
| 8/27/2020 4:36 AM  | 0.5  | -0.9 | -0.5 | 11.5 | 8.2  |
| 8/27/2020 4:42 AM  | 0.5  | -0.9 | -0.5 | 14.0 | 13.1 |
| 8/27/2020 4:48 AM  | 0.5  | -0.9 | -0.5 | 2.2  | 4.4  |
| 8/27/2020 4:54 AM  | 0.5  | -0.9 | -0.5 | 0.5  | 0.6  |
| 8/27/2020 5:00 AM  | 0.5  | -0.9 | -0.5 | 0.3  | 0.2  |
| 8/27/2020 5:06 AM  | 0.5  | -0.9 | -0.5 | 0.1  | 0.2  |
| 8/27/2020 5:12 AM  | 0.3  | -0.8 | -0.5 | 0.1  | 0.1  |
| 8/27/2020 5:18 AM  | 0.3  | -0.8 | -0.5 | 0.0  | 0.1  |
| 8/27/2020 5:24 AM  | 0.6  | -0.8 | -0.6 | -0.1 | 0.1  |
| 8/27/2020 5:30 AM  | 1.0  | 5.7  | -0.7 | -0.2 | 0.1  |
| 8/27/2020 5:36 AM  | 0.3  | 11.4 | -0.6 | -0.3 | 0.1  |
| 8/27/2020 5:42 AM  | -0.1 | 5.1  | -0.6 | -0.3 | 0.0  |
| 8/27/2020 5:48 AM  | -0.1 | 2.2  | -0.6 | -0.4 | 0.0  |

|                    |     |     |      |      |     |
|--------------------|-----|-----|------|------|-----|
| 8/27/2020 5:54 AM  | 0.0 | 1.4 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:00 AM  | 0.1 | 1.0 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:06 AM  | 0.1 | 0.8 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:12 AM  | 0.1 | 0.8 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:18 AM  | 0.2 | 0.7 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:24 AM  | 0.2 | 0.7 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:30 AM  | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:36 AM  | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:42 AM  | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:48 AM  | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:54 AM  | 0.2 | 0.6 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 7:00 AM  | 0.2 | 0.7 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 7:06 AM  | 0.2 | 0.7 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 7:12 AM  | 0.2 | 0.7 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 7:18 AM  | 0.1 | 0.7 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 7:24 AM  | 0.1 | 0.7 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 7:30 AM  | 0.1 | 0.6 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 7:36 AM  | 0.1 | 0.5 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 7:42 AM  | 0.1 | 0.5 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 7:48 AM  | 0.1 | 0.4 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 7:54 AM  | 0.1 | 0.4 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 8:00 AM  | 0.1 | 0.4 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 8:06 AM  | 0.1 | 0.4 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 8:12 AM  | 0.1 | 0.3 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 8:18 AM  | 0.1 | 0.3 | -0.8 | -0.5 | 0.0 |
| 8/27/2020 8:24 AM  | 0.1 | 0.3 | -0.8 | -0.5 | 0.0 |
| 8/27/2020 8:30 AM  | 0.1 | 0.3 | -0.8 | -0.5 | 0.0 |
| 8/27/2020 8:36 AM  | 0.2 | 0.3 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 8:42 AM  | 0.2 | 0.4 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 8:48 AM  | 0.3 | 0.4 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 8:54 AM  | 0.3 | 0.5 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 9:00 AM  | 0.3 | 0.5 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 9:06 AM  | 0.3 | 0.4 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 9:12 AM  | 0.3 | 0.4 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 9:18 AM  | 0.3 | 0.4 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 9:24 AM  | 0.3 | 0.5 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 9:30 AM  | 0.3 | 0.5 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 9:36 AM  | 0.3 | 0.5 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 9:42 AM  | 0.3 | 0.5 | -0.9 | -0.5 | 0.0 |
| 8/27/2020 9:48 AM  | 0.3 | 0.6 | -0.8 | -0.5 | 0.0 |
| 8/27/2020 9:54 AM  | 0.3 | 0.6 | -0.8 | -0.5 | 0.0 |
| 8/27/2020 10:00 AM | 0.3 | 0.5 | -0.8 | -0.5 | 0.0 |
| 8/27/2020 10:06 AM | 0.2 | 0.5 | -0.8 | -0.4 | 0.0 |
| 8/27/2020 10:12 AM | 0.2 | 0.6 | -0.7 | -0.4 | 0.0 |
| 8/27/2020 10:18 AM | 0.2 | 0.5 | -0.7 | -0.5 | 0.0 |
| 8/27/2020 10:24 AM | 0.2 | 0.5 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 10:30 AM | 0.2 | 0.5 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 10:36 AM | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 10:42 AM | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 10:48 AM | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |

|                    |     |     |      |      |      |
|--------------------|-----|-----|------|------|------|
| 8/27/2020 10:54 AM | 0.2 | 0.6 | -0.6 | -0.4 | 0.0  |
| 8/27/2020 11:00 AM | 0.2 | 0.6 | -0.6 | -0.4 | 0.0  |
| 8/27/2020 11:06 AM | 0.2 | 0.6 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 11:12 AM | 0.2 | 0.6 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 11:18 AM | 0.2 | 0.6 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 11:24 AM | 0.2 | 0.6 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 11:30 AM | 0.3 | 0.6 | -0.5 | -0.5 | 0.0  |
| 8/27/2020 11:36 AM | 0.3 | 0.6 | -0.5 | -0.5 | 0.0  |
| 8/27/2020 11:42 AM | 0.3 | 0.7 | -0.5 | -0.5 | 0.0  |
| 8/27/2020 11:48 AM | 0.3 | 0.7 | -0.4 | -0.4 | 0.0  |
| 8/27/2020 11:54 AM | 0.3 | 0.6 | -0.4 | -0.4 | 0.0  |
| 8/27/2020 12:00 PM | 0.3 | 0.6 | -0.3 | -0.4 | 0.0  |
| 8/27/2020 12:06 PM | 0.2 | 0.7 | -0.4 | -0.5 | 0.0  |
| 8/27/2020 12:12 PM | 0.2 | 0.7 | -0.4 | -0.5 | 0.0  |
| 8/27/2020 12:18 PM | 0.2 | 0.6 | -0.4 | -0.5 | 0.0  |
| 8/27/2020 12:24 PM | 0.2 | 0.6 | -0.4 | -0.5 | 0.0  |
| 8/27/2020 12:30 PM | 0.2 | 0.7 | -0.5 | -0.5 | 0.0  |
| 8/27/2020 12:36 PM | 0.2 | 0.6 | -0.5 | -0.5 | 0.0  |
| 8/27/2020 12:42 PM | 0.2 | 0.6 | -0.5 | -0.5 | 0.0  |
| 8/27/2020 12:48 PM | 0.2 | 0.6 | -0.5 | -0.5 | 0.0  |
| 8/27/2020 12:54 PM | 0.2 | 0.6 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 1:00 PM  | 0.2 | 0.6 | -0.6 | 13.3 | 0.0  |
| 8/27/2020 1:06 PM  | 0.2 | 0.5 | -0.6 | 18.0 | 8.4  |
| 8/27/2020 1:12 PM  | 0.2 | 0.6 | -0.5 | 3.8  | 12.3 |
| 8/27/2020 1:18 PM  | 0.2 | 0.6 | -0.5 | 0.4  | 1.1  |
| 8/27/2020 1:24 PM  | 0.2 | 0.6 | -0.5 | 0.1  | 0.3  |
| 8/27/2020 1:30 PM  | 0.2 | 0.6 | -0.5 | -0.1 | 0.2  |
| 8/27/2020 1:36 PM  | 0.2 | 0.5 | -0.5 | -0.2 | 0.1  |
| 8/27/2020 1:42 PM  | 0.2 | 0.6 | -0.5 | -0.4 | 0.1  |
| 8/27/2020 1:48 PM  | 0.2 | 0.6 | -0.6 | -0.4 | 0.1  |
| 8/27/2020 1:54 PM  | 0.3 | 0.6 | -0.6 | -0.4 | 0.1  |
| 8/27/2020 2:00 PM  | 0.3 | 0.6 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 2:06 PM  | 0.2 | 0.5 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 2:12 PM  | 0.2 | 0.5 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 2:18 PM  | 0.2 | 0.5 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 2:24 PM  | 0.2 | 0.5 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 2:30 PM  | 0.2 | 0.5 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 2:36 PM  | 0.2 | 0.6 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 2:42 PM  | 0.2 | 0.5 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 2:48 PM  | 0.2 | 0.5 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 2:54 PM  | 0.2 | 0.5 | -0.5 | -0.5 | 0.0  |
| 8/27/2020 3:00 PM  | 0.2 | 0.5 | -0.5 | -0.5 | 0.0  |
| 8/27/2020 3:06 PM  | 0.2 | 0.5 | -0.5 | -0.5 | 0.0  |
| 8/27/2020 3:12 PM  | 0.2 | 0.6 | -0.5 | -0.5 | 0.0  |
| 8/27/2020 3:18 PM  | 0.2 | 0.6 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 3:24 PM  | 0.2 | 0.7 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 3:30 PM  | 0.2 | 0.7 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 3:36 PM  | 0.2 | 0.6 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 3:42 PM  | 0.2 | 0.6 | -0.6 | -0.5 | 0.0  |
| 8/27/2020 3:48 PM  | 0.2 | 0.7 | -0.6 | -0.5 | 0.0  |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 8/27/2020 3:54 PM | 0.2 | 0.7 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 4:00 PM | 0.2 | 0.7 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 4:06 PM | 0.2 | 0.6 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 4:12 PM | 0.2 | 0.5 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 4:18 PM | 0.2 | 0.5 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 4:24 PM | 0.2 | 0.4 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 4:30 PM | 0.2 | 0.4 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 4:36 PM | 0.2 | 0.4 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 4:42 PM | 0.2 | 0.5 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 4:48 PM | 0.2 | 0.5 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 4:54 PM | 0.2 | 0.5 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 5:00 PM | 0.2 | 0.5 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 5:06 PM | 0.2 | 0.5 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 5:12 PM | 0.2 | 0.5 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 5:18 PM | 0.2 | 0.6 | -0.6 | -0.5 | 0.0 |
| 8/27/2020 5:24 PM | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 5:30 PM | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 5:36 PM | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 5:42 PM | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 5:48 PM | 0.3 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 5:54 PM | 0.3 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:00 PM | 0.2 | 0.5 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:06 PM | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:12 PM | 0.2 | 0.6 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:18 PM | 0.2 | 0.5 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:24 PM | 0.2 | 0.5 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:30 PM | 0.1 | 0.5 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:36 PM | 0.1 | 0.5 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:42 PM | 0.1 | 0.5 | -0.6 | -0.4 | 0.0 |
| 8/27/2020 6:48 PM | 0.1 | 0.5 | -0.5 | -0.4 | 0.0 |
| 8/27/2020 6:54 PM | 0.1 | 0.6 | -0.5 | -0.4 | 0.0 |
| 8/27/2020 7:00 PM | 0.1 | 0.7 | -0.4 | -0.3 | 0.1 |
| 8/27/2020 7:06 PM | 0.1 | 0.8 | -0.4 | -0.2 | 0.2 |
| 8/27/2020 7:12 PM | 0.3 | 1.3 | -0.4 | -0.3 | 0.2 |
| 8/27/2020 7:18 PM | 0.6 | 2.1 | -0.4 | -0.3 | 0.3 |
| 8/27/2020 7:24 PM | 1.0 | 3.1 | -0.4 | -0.3 | 0.2 |
| 8/27/2020 7:30 PM | 1.0 | 3.3 | -0.4 | -0.3 | 0.1 |
| 8/27/2020 7:36 PM | 0.9 | 2.9 | -0.4 | -0.4 | 0.1 |
| 8/27/2020 7:42 PM | 0.9 | 2.8 | -0.3 | -0.4 | 0.1 |
| 8/27/2020 7:48 PM | 0.9 | 2.7 | -0.3 | -0.4 | 0.1 |
| 8/27/2020 7:54 PM | 0.9 | 2.7 | -0.3 | -0.4 | 0.1 |
| 8/27/2020 8:00 PM | 0.9 | 2.7 | -0.3 | -0.4 | 0.1 |
| 8/27/2020 8:06 PM | 0.9 | 2.7 | -0.3 | 6.0  | 0.1 |
| 8/27/2020 8:12 PM | 0.8 | 2.3 | -0.3 | 17.2 | 0.1 |
| 8/27/2020 8:18 PM | 0.7 | 2.0 | -0.3 | 16.3 | 0.1 |
| 8/27/2020 8:24 PM | 0.6 | 2.1 | -0.3 | 10.6 | 0.1 |
| 8/27/2020 8:30 PM | 0.7 | 2.2 | -0.3 | 8.8  | 0.1 |
| 8/27/2020 8:36 PM | 0.7 | 2.2 | -0.3 | 7.7  | 0.0 |
| 8/27/2020 8:42 PM | 0.8 | 2.2 | -0.3 | 5.4  | 0.0 |
| 8/27/2020 8:48 PM | 0.8 | 2.3 | -0.4 | 4.7  | 0.0 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 8/27/2020 8:54 PM  | 0.8  | 2.3  | -0.4 | 4.3  | 0.0 |
| 8/27/2020 9:00 PM  | 0.7  | 2.4  | -0.4 | 4.1  | 0.0 |
| 8/27/2020 9:06 PM  | 0.8  | 2.4  | -0.4 | 4.1  | 0.0 |
| 8/27/2020 9:12 PM  | 0.8  | 2.4  | -0.4 | 4.2  | 0.0 |
| 8/27/2020 9:18 PM  | 0.8  | 2.4  | -0.4 | 4.2  | 0.0 |
| 8/27/2020 9:24 PM  | 0.8  | 2.3  | -0.4 | 3.9  | 0.0 |
| 8/27/2020 9:30 PM  | 0.8  | 2.4  | -0.4 | 3.6  | 0.0 |
| 8/27/2020 9:36 PM  | 0.7  | 2.3  | -0.4 | 3.5  | 0.0 |
| 8/27/2020 9:42 PM  | 0.7  | 2.2  | -0.4 | 3.3  | 0.0 |
| 8/27/2020 9:48 PM  | 0.6  | 2.2  | -0.4 | 2.3  | 0.0 |
| 8/27/2020 9:54 PM  | 0.3  | 1.3  | -0.4 | 0.4  | 0.0 |
| 8/27/2020 10:00 PM | -0.1 | 0.8  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 10:06 PM | -0.1 | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 10:12 PM | 0.0  | 0.8  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 10:18 PM | -0.1 | 0.8  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 10:24 PM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 10:30 PM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 10:36 PM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 10:42 PM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 10:48 PM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 10:54 PM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 11:00 PM | 0.0  | 1.0  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 11:06 PM | 0.1  | 1.0  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 11:12 PM | 0.1  | 1.0  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 11:18 PM | 0.1  | 1.0  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 11:24 PM | 0.1  | 1.0  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 11:30 PM | 0.0  | 1.0  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 11:36 PM | 0.1  | 1.0  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 11:42 PM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 11:48 PM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/27/2020 11:54 PM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/28/2020 12:00 AM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/28/2020 12:06 AM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/28/2020 12:12 AM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/28/2020 12:18 AM | 0.0  | 0.9  | -0.4 | -0.7 | 0.1 |
| 8/28/2020 12:24 AM | 0.0  | 0.9  | -0.4 | -0.7 | 0.0 |
| 8/28/2020 12:30 AM | 0.0  | 0.9  | -0.4 | -0.7 | 0.1 |
| 8/28/2020 12:36 AM | 0.0  | 1.0  | -0.4 | -0.7 | 0.1 |
| 8/28/2020 12:42 AM | 0.0  | 0.9  | -0.4 | -0.7 | 0.1 |
| 8/28/2020 12:48 AM | 0.0  | 0.8  | -0.4 | -0.7 | 0.1 |
| 8/28/2020 12:54 AM | 0.0  | 0.5  | -0.4 | -0.6 | 0.1 |
| 8/28/2020 1:00 AM  | 0.0  | -0.3 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 1:06 AM  | 0.0  | -0.8 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 1:12 AM  | 0.0  | -0.8 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 1:18 AM  | 0.0  | -0.8 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 1:24 AM  | 0.0  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 1:30 AM  | 0.0  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 1:36 AM  | 0.0  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 1:42 AM  | 0.1  | -0.8 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 1:48 AM  | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 8/28/2020 1:54 AM | 0.1  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 2:00 AM | 0.1  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 2:06 AM | 0.1  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 2:12 AM | 0.1  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 2:18 AM | 0.1  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 2:24 AM | 0.1  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 2:30 AM | 0.2  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 2:36 AM | 0.3  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 2:42 AM | 0.2  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 2:48 AM | 0.2  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 2:54 AM | 0.2  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 3:00 AM | 0.2  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 3:06 AM | 0.3  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 3:12 AM | 0.2  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 3:18 AM | 0.2  | -1.0 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 3:24 AM | 0.1  | -1.0 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 3:30 AM | 0.2  | -1.0 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 3:36 AM | 0.1  | -1.0 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 3:42 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 3:48 AM | 0.2  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 3:54 AM | 0.2  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 4:00 AM | 0.2  | -0.9 | -0.4 | -0.7 | 0.1 |
| 8/28/2020 4:06 AM | 0.2  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 4:12 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 4:18 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 4:24 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 4:30 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 4:36 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 4:42 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 4:48 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 4:54 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 5:00 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 5:06 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 5:12 AM | 0.1  | -0.9 | -0.4 | -0.6 | 0.1 |
| 8/28/2020 5:18 AM | 0.1  | -0.8 | -0.5 | -0.7 | 0.1 |
| 8/28/2020 5:24 AM | 0.1  | -0.9 | -0.5 | -0.6 | 0.1 |
| 8/28/2020 5:30 AM | 0.1  | -0.9 | -0.5 | -0.6 | 0.1 |
| 8/28/2020 5:36 AM | 0.2  | -0.9 | -0.5 | -0.6 | 0.1 |
| 8/28/2020 5:42 AM | 0.1  | -0.9 | -0.5 | -0.6 | 0.1 |
| 8/28/2020 5:48 AM | 0.1  | -0.9 | -0.5 | -0.6 | 0.1 |
| 8/28/2020 5:54 AM | 0.1  | -0.9 | -0.6 | -0.6 | 0.1 |
| 8/28/2020 6:00 AM | 0.2  | -0.9 | -0.7 | -0.6 | 0.1 |
| 8/28/2020 6:06 AM | 0.2  | -0.9 | -0.7 | -0.6 | 0.1 |
| 8/28/2020 6:12 AM | 0.2  | -0.8 | -0.8 | -0.6 | 0.1 |
| 8/28/2020 6:18 AM | 0.1  | 6.8  | -0.8 | -0.6 | 0.1 |
| 8/28/2020 6:24 AM | -0.1 | 9.9  | -0.8 | -0.6 | 0.1 |
| 8/28/2020 6:30 AM | -0.1 | 2.6  | -0.9 | -0.6 | 0.1 |
| 8/28/2020 6:36 AM | -0.1 | 1.3  | -0.9 | -0.6 | 0.1 |
| 8/28/2020 6:42 AM | -0.1 | 0.9  | -1.0 | -0.7 | 0.1 |
| 8/28/2020 6:48 AM | -0.1 | 0.7  | -1.0 | -0.7 | 0.1 |

|                    |          |          |          |          |          |
|--------------------|----------|----------|----------|----------|----------|
| 8/28/2020 6:54 AM  | -0.1     | 0.6      | -1.0     | -0.7     | 0.1      |
| 8/28/2020 7:00 AM  | -0.1     | 0.6      | -1.0     | -0.7     | 0.1      |
| 8/28/2020 7:06 AM  | -0.1     | 0.7      | -1.0     | -0.7     | 0.1      |
| 8/28/2020 7:12 AM  | 0.0      | 0.7      | -1.0     | -0.7     | 0.1      |
| 8/28/2020 7:18 AM  | 0.0      | 0.6      | -1.0     | -0.7     | 0.1      |
| 8/28/2020 7:24 AM  | 0.0      | 0.6      | -1.0     | -0.7     | 0.1      |
| 8/28/2020 7:30 AM  | 0.0      | 0.6      | -1.1     | -0.7     | 0.1      |
| 8/28/2020 7:36 AM  | 0.0      | 0.6      | -1.1     | -0.7     | 0.1      |
| 8/28/2020 7:42 AM  | 0.0      | 0.6      | -1.1     | -0.7     | 0.1      |
| 8/28/2020 7:48 AM  | 0.0      | 0.6      | -1.1     | 6.3      | 0.1      |
| 8/28/2020 7:54 AM  | 0.0      | 0.5      | -1.0     | 6.6      | 0.1      |
| 8/28/2020 8:00 AM  | 0.1      | 0.5      | -1.0     | -0.5     | 0.0      |
| 8/28/2020 8:06 AM  | 0.1      | 0.5      | -0.9     | -0.7     | 0.0      |
| 8/28/2020 8:12 AM  | 0.1      | 0.5      | -0.8     | -0.7     | 0.0      |
| 8/28/2020 8:18 AM  | 0.1      | 0.5      | -0.8     | -0.7     | 0.0      |
| 8/28/2020 8:24 AM  | 0.1      | 0.5      | -0.7     | -0.7     | 0.0      |
| 8/28/2020 8:30 AM  | 0.1      | 0.5      | -0.6     | -0.7     | 0.0      |
| 8/28/2020 8:36 AM  | 0.1      | 0.6      | -0.6     | -0.7     | 0.0      |
| 8/28/2020 8:42 AM  | 0.1      | 0.5      | -0.6     | -0.7     | 0.0      |
| 8/28/2020 8:48 AM  | 0.1      | 0.5      | -0.5     | -0.7     | 0.0      |
| 8/28/2020 8:54 AM  | 0.1      | 0.6      | -0.5     | -0.7     | 0.0      |
| 8/28/2020 9:00 AM  | 0.2      | 0.5      | -0.5     | -0.7     | 0.1      |
| 8/28/2020 9:06 AM  | 0.2      | 0.5      | -0.5     | -0.7     | 0.1      |
| 8/28/2020 9:12 AM  | 0.2      | 0.5      | -0.5     | -0.7     | 0.1      |
| 8/28/2020 9:18 AM  | 0.2      | 0.6      | -0.5     | -0.7     | 0.1      |
| 8/28/2020 9:24 AM  | 0.1      | 0.5      | -0.4     | -0.7     | 0.1      |
| 8/28/2020 9:30 AM  | 0.1      | 0.6      | -0.5     | -0.7     | 0.1      |
| 8/28/2020 9:36 AM  | 0.2      | 0.6      | -0.5     | -0.7     | 0.1      |
| 8/28/2020 9:42 AM  | 0.5      | 0.5      | -0.5     | -0.7     | 0.1      |
| 8/28/2020 9:48 AM  | 0.6      | 0.5      | -0.5     | -0.7     | 0.1      |
| 8/28/2020 9:54 AM  | 0.5      | 0.6      | -0.4     | -0.6     | 0.1      |
| 8/28/2020 10:00 AM | 0.4      | 0.7      | -0.4     | -0.6     | 0.1      |
| 8/28/2020 10:06 AM | 0.4      | 0.6      | -0.4     | -0.6     | 0.1      |
| 8/28/2020 10:12 AM | 0.4      | 0.5      | -0.3     | -0.6     | 0.1      |
| 8/28/2020 10:18 AM | 0.4      | 0.5      | -0.3     | -0.6     | 0.1      |
| 8/28/2020 10:24 AM | 0.3      | 0.5      | -0.2     | -0.6     | 0.1      |
| 8/28/2020 10:30 AM | 0.3      | 0.5      | -0.2     | -0.6     | 0.1      |
| 8/28/2020 10:36 AM | 0.3      | 0.4      | -0.2     | -0.6     | 0.1      |
| 8/28/2020 10:42 AM | 0.3      | 0.4      | -0.2     | -0.6     | 0.1      |
| 8/28/2020 10:48 AM | 0.2      | 0.4      | -0.2     | -0.6     | 0.1      |
| 8/28/2020 10:54 AM | 0.2      | 0.4      | -0.3     | -0.6     | 0.1      |
| 8/28/2020 11:00 AM | 0.2      | 0.3      | -0.3     | -0.6     | 0.1      |
| 8/28/2020 11:06 AM | 0.2      | 0.4      | -0.2     | -0.6     | 0.1      |
| 8/28/2020 11:12 AM | 0.1      | 0.4      | -0.2     | -0.6     | 0.1      |
| 8/28/2020 11:18 AM | 0.1      | 0.4      | -0.2     | -0.6     | 0.1      |
| 8/28/2020 11:24 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 8/28/2020 11:30 AM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 8/28/2020 11:36 AM | 0.1      | 0.4      | -0.2     | -0.6     | 0.1      |
| 8/28/2020 11:42 AM | 0.1      | 0.4      | -0.1     | -0.6     | 0.1      |
| 8/28/2020 11:48 AM | 0.1      | 0.4      | 0.0      | -0.6     | 7.9      |



|                    |     |     |      |      |      |
|--------------------|-----|-----|------|------|------|
| 8/28/2020 11:54 AM | 0.2 | 0.4 | 0.1  | -0.6 | 12.3 |
| 8/28/2020 12:00 PM | 0.2 | 0.4 | 0.1  | -0.6 | 3.1  |
| 8/28/2020 12:06 PM | 0.2 | 0.4 | 0.2  | -0.6 | 0.6  |
| 8/28/2020 12:12 PM | 0.2 | 0.4 | 0.2  | -0.6 | 0.5  |
| 8/28/2020 12:18 PM | 0.2 | 0.4 | 0.2  | -0.6 | 0.5  |
| 8/28/2020 12:24 PM | 0.2 | 0.4 | 0.1  | -0.6 | 0.4  |
| 8/28/2020 12:30 PM | 0.2 | 0.4 | 0.1  | -0.6 | 0.3  |
| 8/28/2020 12:36 PM | 0.2 | 0.5 | 0.0  | -0.6 | 0.2  |
| 8/28/2020 12:42 PM | 0.2 | 0.7 | -0.1 | -0.6 | 0.2  |
| 8/28/2020 12:48 PM | 0.3 | 0.8 | -0.1 | -0.6 | 0.2  |
| 8/28/2020 12:54 PM | 0.3 | 0.8 | -0.2 | -0.6 | 0.2  |
| 8/28/2020 1:00 PM  | 0.3 | 0.8 | -0.2 | -0.6 | 0.1  |
| 8/28/2020 1:06 PM  | 0.3 | 0.8 | -0.3 | -0.6 | 0.1  |
| 8/28/2020 1:12 PM  | 0.3 | 0.7 | -0.2 | -0.6 | 0.1  |
| 8/28/2020 1:18 PM  | 0.3 | 0.7 | -0.2 | -0.6 | 0.1  |
| 8/28/2020 1:24 PM  | 0.3 | 0.7 | -0.1 | -0.6 | 0.0  |
| 8/28/2020 1:30 PM  | 0.3 | 0.7 | 0.0  | -0.6 | 0.0  |
| 8/28/2020 1:36 PM  | 0.3 | 0.8 | 0.1  | -0.6 | 0.0  |
| 8/28/2020 1:42 PM  | 0.3 | 0.8 | 0.1  | -0.6 | 0.0  |
| 8/28/2020 1:48 PM  | 0.3 | 0.7 | 0.0  | -0.6 | 0.0  |
| 8/28/2020 1:54 PM  | 0.3 | 0.7 | -0.1 | -0.6 | 0.0  |
| 8/28/2020 2:00 PM  | 0.3 | 0.7 | -0.2 | -0.6 | 0.0  |
| 8/28/2020 2:06 PM  | 0.3 | 0.7 | -0.3 | -0.6 | 0.0  |
| 8/28/2020 2:12 PM  | 0.3 | 0.7 | -0.3 | -0.6 | 0.0  |
| 8/28/2020 2:18 PM  | 0.3 | 0.7 | -0.4 | -0.6 | 0.0  |
| 8/28/2020 2:24 PM  | 0.3 | 0.8 | -0.4 | -0.6 | 0.0  |
| 8/28/2020 2:30 PM  | 0.3 | 0.7 | -0.5 | -0.6 | 0.0  |
| 8/28/2020 2:36 PM  | 0.3 | 0.7 | -0.4 | -0.6 | 0.0  |
| 8/28/2020 2:42 PM  | 0.3 | 0.7 | -0.4 | -0.6 | 0.0  |
| 8/28/2020 2:48 PM  | 0.3 | 0.7 | -0.4 | -0.6 | 0.0  |
| 8/28/2020 2:54 PM  | 0.3 | 0.7 | -0.4 | -0.6 | 0.0  |
| 8/28/2020 3:00 PM  | 0.3 | 0.7 | -0.5 | -0.6 | 0.0  |
| 8/28/2020 3:06 PM  | 0.3 | 0.7 | -0.5 | -0.6 | 0.0  |
| 8/28/2020 3:12 PM  | 0.3 | 0.7 | -0.5 | -0.6 | 0.0  |
| 8/28/2020 3:18 PM  | 0.3 | 0.7 | -0.6 | -0.6 | 0.0  |
| 8/28/2020 3:24 PM  | 0.3 | 0.7 | -0.6 | -0.6 | 0.0  |
| 8/28/2020 3:30 PM  | 0.3 | 0.7 | -0.6 | -0.6 | 0.0  |
| 8/28/2020 3:36 PM  | 0.3 | 0.7 | -0.6 | -0.6 | 0.0  |
| 8/28/2020 3:42 PM  | 0.2 | 0.6 | -0.7 | -0.6 | 0.0  |
| 8/28/2020 3:48 PM  | 0.2 | 0.6 | -0.7 | -0.6 | 0.0  |
| 8/28/2020 3:54 PM  | 0.2 | 0.7 | -0.7 | -0.6 | 0.0  |
| 8/28/2020 4:00 PM  | 0.2 | 0.7 | -0.7 | -0.6 | 0.0  |
| 8/28/2020 4:06 PM  | 0.4 | 0.7 | -0.8 | -0.6 | 0.0  |
| 8/28/2020 4:12 PM  | 0.7 | 0.6 | -0.8 | -0.6 | 0.0  |
| 8/28/2020 4:18 PM  | 0.7 | 0.6 | -0.8 | -0.6 | 0.0  |
| 8/28/2020 4:24 PM  | 0.7 | 0.6 | -0.8 | -0.6 | 0.0  |
| 8/28/2020 4:30 PM  | 0.7 | 0.6 | -0.8 | -0.6 | 0.0  |
| 8/28/2020 4:36 PM  | 0.6 | 0.7 | -0.8 | -0.6 | 0.0  |
| 8/28/2020 4:42 PM  | 0.6 | 0.7 | -0.8 | -0.6 | 0.0  |
| 8/28/2020 4:48 PM  | 0.6 | 0.7 | -0.8 | -0.6 | 0.0  |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 8/28/2020 4:54 PM | 0.5  | 0.7 | -0.8 | -0.6 | 0.0 |
| 8/28/2020 5:00 PM | 0.4  | 0.7 | -0.8 | -0.6 | 0.0 |
| 8/28/2020 5:06 PM | 0.4  | 0.6 | -0.8 | -0.6 | 0.0 |
| 8/28/2020 5:12 PM | 0.5  | 0.7 | -0.8 | -0.6 | 0.0 |
| 8/28/2020 5:18 PM | 0.5  | 0.6 | -0.8 | -0.6 | 0.0 |
| 8/28/2020 5:24 PM | 0.5  | 0.6 | -0.8 | -0.6 | 0.0 |
| 8/28/2020 5:30 PM | 0.5  | 0.6 | -0.8 | -0.6 | 0.0 |
| 8/28/2020 5:36 PM | 0.5  | 0.6 | -0.8 | -0.6 | 0.0 |
| 8/28/2020 5:42 PM | 0.5  | 0.6 | -0.8 | -0.6 | 0.0 |
| 8/28/2020 5:48 PM | 0.5  | 0.6 | -0.8 | -0.6 | 0.0 |
| 8/28/2020 5:54 PM | 0.5  | 0.6 | -0.7 | -0.6 | 0.0 |
| 8/28/2020 6:00 PM | 0.5  | 0.6 | -0.7 | -0.5 | 0.0 |
| 8/28/2020 6:06 PM | 0.4  | 0.6 | -0.7 | -0.5 | 0.0 |
| 8/28/2020 6:12 PM | 0.4  | 0.6 | -0.7 | -0.5 | 0.0 |
| 8/28/2020 6:18 PM | 0.4  | 0.6 | -0.7 | -0.5 | 0.0 |
| 8/28/2020 6:24 PM | 0.4  | 0.6 | -0.7 | -0.5 | 0.0 |
| 8/28/2020 6:30 PM | 0.4  | 0.6 | -0.8 | -0.5 | 0.0 |
| 8/28/2020 6:36 PM | 0.4  | 0.6 | -0.9 | -0.5 | 0.0 |
| 8/28/2020 6:42 PM | 0.4  | 0.6 | -1.0 | -0.5 | 0.1 |
| 8/28/2020 6:48 PM | 0.4  | 0.7 | -1.0 | -0.5 | 0.1 |
| 8/28/2020 6:54 PM | 0.4  | 0.7 | -0.9 | -0.5 | 0.1 |
| 8/28/2020 7:00 PM | 0.4  | 0.7 | -0.9 | -0.5 | 0.1 |
| 8/28/2020 7:06 PM | 0.3  | 0.6 | -0.9 | -0.5 | 0.1 |
| 8/28/2020 7:12 PM | 0.3  | 0.6 | -0.9 | -0.5 | 0.1 |
| 8/28/2020 7:18 PM | 0.3  | 0.6 | -0.9 | -0.5 | 0.1 |
| 8/28/2020 7:24 PM | 0.3  | 0.7 | -0.8 | -0.5 | 0.1 |
| 8/28/2020 7:30 PM | 0.3  | 0.7 | -0.8 | -0.6 | 0.1 |
| 8/28/2020 7:36 PM | 0.3  | 0.6 | -0.8 | -0.6 | 0.0 |
| 8/28/2020 7:42 PM | 0.3  | 0.6 | -0.7 | -0.5 | 0.1 |
| 8/28/2020 7:48 PM | 0.3  | 0.6 | -0.7 | -0.5 | 0.1 |
| 8/28/2020 7:54 PM | 0.3  | 0.6 | -0.6 | -0.6 | 0.1 |
| 8/28/2020 8:00 PM | 0.3  | 0.6 | -0.6 | -0.5 | 0.1 |
| 8/28/2020 8:06 PM | 0.3  | 0.7 | -0.6 | -0.6 | 0.0 |
| 8/28/2020 8:12 PM | 0.3  | 0.6 | -0.6 | -0.6 | 0.0 |
| 8/28/2020 8:18 PM | 0.3  | 0.6 | -0.5 | -0.6 | 0.0 |
| 8/28/2020 8:24 PM | 0.3  | 0.7 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 8:30 PM | 0.3  | 0.6 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 8:36 PM | 0.3  | 0.7 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 8:42 PM | 0.3  | 0.7 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 8:48 PM | 0.1  | 0.6 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 8:54 PM | -0.1 | 0.7 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 9:00 PM | -0.1 | 0.7 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 9:06 PM | 0.0  | 0.7 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 9:12 PM | -0.1 | 0.6 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 9:18 PM | -0.1 | 0.6 | -0.6 | -0.5 | 0.0 |
| 8/28/2020 9:24 PM | 0.0  | 0.7 | -0.6 | -0.5 | 0.0 |
| 8/28/2020 9:30 PM | 0.0  | 0.7 | -0.6 | -0.5 | 0.0 |
| 8/28/2020 9:36 PM | 0.0  | 0.6 | -0.6 | -0.5 | 0.0 |
| 8/28/2020 9:42 PM | 0.0  | 0.6 | -0.6 | -0.5 | 0.0 |
| 8/28/2020 9:48 PM | 0.0  | 0.6 | -0.5 | -0.5 | 0.0 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/28/2020 9:54 PM  | -0.1 | 0.6 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 10:00 PM | -0.1 | 0.6 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 10:06 PM | -0.1 | 0.6 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 10:12 PM | -0.1 | 0.7 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 10:18 PM | -0.1 | 0.6 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 10:24 PM | -0.1 | 0.6 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 10:30 PM | -0.1 | 0.6 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 10:36 PM | -0.1 | 0.5 | -0.5 | -0.5 | 0.0 |
| 8/28/2020 10:42 PM | -0.1 | 0.5 | -0.5 | 7.3  | 0.0 |
| 8/28/2020 10:48 PM | -0.1 | 0.6 | -0.5 | 11.3 | 5.1 |
| 8/28/2020 10:54 PM | -0.1 | 0.5 | -0.5 | 3.4  | 8.4 |
| 8/28/2020 11:00 PM | -0.1 | 0.5 | -0.5 | -0.1 | 2.1 |
| 8/28/2020 11:06 PM | 0.0  | 0.5 | -0.5 | -0.5 | 0.4 |
| 8/28/2020 11:12 PM | 0.0  | 0.5 | -0.5 | -0.5 | 0.4 |
| 8/28/2020 11:18 PM | -0.1 | 0.5 | -0.5 | -0.5 | 0.5 |
| 8/28/2020 11:24 PM | -0.1 | 0.5 | -0.5 | -0.5 | 0.4 |
| 8/28/2020 11:30 PM | -0.1 | 0.4 | -0.5 | -0.5 | 0.4 |
| 8/28/2020 11:36 PM | -0.1 | 0.4 | -0.5 | -0.5 | 0.3 |
| 8/28/2020 11:42 PM | 0.0  | 0.4 | -0.5 | -0.5 | 0.2 |
| 8/28/2020 11:48 PM | 0.0  | 0.5 | -0.5 | -0.5 | 0.2 |
| 8/28/2020 11:54 PM | 0.1  | 0.5 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 12:00 AM | 0.1  | 0.5 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 12:06 AM | 0.1  | 0.5 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 12:12 AM | 0.1  | 0.5 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 12:18 AM | 0.1  | 0.5 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 12:24 AM | 0.1  | 0.5 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 12:30 AM | 0.1  | 0.5 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 12:36 AM | 0.1  | 0.4 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 12:42 AM | 0.1  | 0.4 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 12:48 AM | 0.1  | 0.4 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 12:54 AM | 0.1  | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 1:00 AM  | 0.1  | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 1:06 AM  | 0.1  | 0.4 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 1:12 AM  | 0.1  | 0.4 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 1:18 AM  | 0.1  | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 1:24 AM  | 0.1  | 0.3 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 1:30 AM  | -0.1 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 1:36 AM  | -0.4 | 1.1 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 1:42 AM  | -0.5 | 1.0 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 1:48 AM  | -0.7 | 0.9 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 1:54 AM  | -0.8 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 2:00 AM  | -0.8 | 0.7 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 2:06 AM  | -0.8 | 0.7 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 2:12 AM  | -0.8 | 0.8 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 2:18 AM  | -0.8 | 0.7 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 2:24 AM  | -0.8 | 0.7 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 2:30 AM  | -0.8 | 0.7 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 2:36 AM  | -0.7 | 0.6 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 2:42 AM  | -0.7 | 0.6 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 2:48 AM  | -0.8 | 0.6 | -0.5 | -0.5 | 0.1 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 8/29/2020 2:54 AM | -0.7 | 0.5 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 3:00 AM | -0.7 | 0.5 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 3:06 AM | -0.7 | 0.5 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 3:12 AM | -0.7 | 0.6 | -0.5 | -0.5 | 0.1 |
| 8/29/2020 3:18 AM | -0.7 | 0.6 | -0.5 | -0.5 | 0.0 |
| 8/29/2020 3:24 AM | -0.7 | 0.6 | -0.5 | -0.5 | 0.0 |
| 8/29/2020 3:30 AM | -0.7 | 0.6 | -0.6 | -0.5 | 0.0 |
| 8/29/2020 3:36 AM | -0.7 | 0.6 | -0.6 | -0.5 | 0.0 |
| 8/29/2020 3:42 AM | -0.7 | 0.6 | -0.6 | -0.5 | 0.0 |
| 8/29/2020 3:48 AM | -0.7 | 0.6 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 3:54 AM | -0.7 | 0.6 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 4:00 AM | -0.7 | 1.2 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 4:06 AM | -0.7 | 1.6 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 4:12 AM | -0.7 | 1.4 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 4:18 AM | -0.7 | 1.5 | -0.8 | -0.5 | 0.1 |
| 8/29/2020 4:24 AM | -0.7 | 1.5 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 4:30 AM | -0.7 | 1.4 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 4:36 AM | -0.7 | 1.3 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 4:42 AM | -0.7 | 1.3 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 4:48 AM | -0.7 | 1.3 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 4:54 AM | -0.7 | 1.2 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 5:00 AM | -0.7 | 0.8 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 5:06 AM | -0.7 | 0.5 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 5:12 AM | -0.7 | 0.5 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 5:18 AM | -0.7 | 0.5 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 5:24 AM | -0.7 | 0.5 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 5:30 AM | -0.7 | 0.5 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 5:36 AM | -0.7 | 0.5 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 5:42 AM | -0.7 | 0.5 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 5:48 AM | -0.7 | 0.6 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 5:54 AM | -0.7 | 0.6 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 6:00 AM | -0.7 | 0.6 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 6:06 AM | -0.7 | 0.6 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 6:12 AM | -0.7 | 0.6 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 6:18 AM | -0.7 | 0.6 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 6:24 AM | -0.7 | 0.6 | -0.7 | -0.6 | 0.1 |
| 8/29/2020 6:30 AM | -0.7 | 0.7 | -0.6 | -0.6 | 0.1 |
| 8/29/2020 6:36 AM | -0.7 | 1.1 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 6:42 AM | -0.6 | 1.2 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 6:48 AM | -0.6 | 1.0 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 6:54 AM | -0.6 | 1.1 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 7:00 AM | -0.6 | 1.1 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 7:06 AM | -0.7 | 1.1 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 7:12 AM | -0.6 | 1.1 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 7:18 AM | -0.6 | 1.8 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 7:24 AM | -0.6 | 2.4 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 7:30 AM | -0.6 | 2.2 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 7:36 AM | -0.6 | 2.2 | -0.6 | -0.5 | 0.1 |
| 8/29/2020 7:42 AM | -0.6 | 2.2 | -0.7 | -0.5 | 0.1 |
| 8/29/2020 7:48 AM | -0.6 | 2.2 | -0.7 | -0.5 | 0.1 |

|                    |      |     |      |      |      |
|--------------------|------|-----|------|------|------|
| 8/29/2020 7:54 AM  | -0.6 | 2.3 | -0.7 | -0.5 | 0.1  |
| 8/29/2020 8:00 AM  | -0.6 | 2.4 | -0.7 | -0.5 | 0.1  |
| 8/29/2020 8:06 AM  | -0.6 | 2.3 | -0.7 | -0.5 | 0.1  |
| 8/29/2020 8:12 AM  | -0.6 | 2.3 | -0.6 | -0.5 | 0.1  |
| 8/29/2020 8:18 AM  | -0.6 | 2.3 | -0.6 | -0.5 | 0.1  |
| 8/29/2020 8:24 AM  | -0.6 | 2.3 | -0.7 | -0.5 | 0.1  |
| 8/29/2020 8:30 AM  | -0.6 | 2.3 | -0.7 | -0.5 | 0.1  |
| 8/29/2020 8:36 AM  | -0.6 | 2.3 | -0.7 | -0.5 | 0.1  |
| 8/29/2020 8:42 AM  | -0.6 | 2.3 | -0.7 | -0.5 | 0.1  |
| 8/29/2020 8:48 AM  | -0.6 | 2.4 | -0.7 | -0.5 | 6.3  |
| 8/29/2020 8:54 AM  | -0.6 | 1.6 | -0.7 | -0.5 | 22.1 |
| 8/29/2020 9:00 AM  | -0.6 | 0.7 | -0.7 | -0.5 | 21.0 |
| 8/29/2020 9:06 AM  | -0.6 | 0.9 | -0.7 | -0.5 | 10.6 |
| 8/29/2020 9:12 AM  | -0.6 | 0.9 | -0.7 | -0.5 | 7.9  |
| 8/29/2020 9:18 AM  | -0.6 | 0.9 | -0.7 | -0.5 | 7.1  |
| 8/29/2020 9:24 AM  | -0.6 | 0.7 | -0.7 | -0.5 | 6.8  |
| 8/29/2020 9:30 AM  | -0.6 | 0.5 | -0.7 | -0.5 | 6.9  |
| 8/29/2020 9:36 AM  | -0.6 | 0.5 | -0.7 | -0.5 | 6.2  |
| 8/29/2020 9:42 AM  | -0.6 | 0.5 | -0.7 | -0.5 | 5.1  |
| 8/29/2020 9:48 AM  | -0.6 | 0.6 | -0.7 | -0.5 | 4.1  |
| 8/29/2020 9:54 AM  | -0.6 | 0.7 | -0.7 | -0.5 | 3.5  |
| 8/29/2020 10:00 AM | -0.6 | 0.6 | -0.7 | -0.5 | 3.4  |
| 8/29/2020 10:06 AM | -0.6 | 0.5 | -0.7 | -0.5 | 3.3  |
| 8/29/2020 10:12 AM | -0.6 | 0.5 | -0.7 | -0.5 | 3.1  |
| 8/29/2020 10:18 AM | -0.6 | 0.5 | -0.7 | -0.5 | 3.1  |
| 8/29/2020 10:24 AM | -0.6 | 0.5 | -0.7 | -0.5 | 3.0  |
| 8/29/2020 10:30 AM | -0.6 | 0.5 | -0.7 | -0.5 | 3.0  |
| 8/29/2020 10:36 AM | -0.6 | 0.4 | -0.7 | -0.5 | 2.9  |
| 8/29/2020 10:42 AM | -0.6 | 0.4 | -0.7 | -0.5 | 2.9  |
| 8/29/2020 10:48 AM | -0.6 | 0.4 | -0.7 | -0.5 | 2.8  |
| 8/29/2020 10:54 AM | -0.6 | 0.4 | -0.7 | -0.5 | 2.8  |
| 8/29/2020 11:00 AM | -0.6 | 0.5 | -0.7 | -0.5 | 2.9  |
| 8/29/2020 11:06 AM | -0.6 | 0.4 | -0.7 | -0.5 | 2.9  |
| 8/29/2020 11:12 AM | -0.6 | 0.4 | -0.7 | -0.5 | 2.9  |
| 8/29/2020 11:18 AM | -0.6 | 0.5 | -0.7 | -0.5 | 2.9  |
| 8/29/2020 11:24 AM | -0.6 | 0.5 | -0.8 | -0.5 | 2.9  |
| 8/29/2020 11:30 AM | -0.6 | 0.5 | -0.8 | -0.5 | 2.8  |
| 8/29/2020 11:36 AM | -0.6 | 0.5 | -0.8 | -0.5 | 2.7  |
| 8/29/2020 11:42 AM | -0.6 | 0.5 | -0.8 | -0.5 | 2.8  |
| 8/29/2020 11:48 AM | -0.6 | 0.5 | -0.8 | -0.5 | 2.8  |
| 8/29/2020 11:54 AM | -0.6 | 0.5 | -0.9 | -0.5 | 2.8  |
| 8/29/2020 12:00 PM | -0.6 | 0.5 | -0.9 | -0.6 | 2.7  |
| 8/29/2020 12:06 PM | -0.7 | 0.3 | -1.0 | -0.7 | 2.6  |
| 8/29/2020 12:12 PM | -0.8 | 0.3 | -1.0 | -0.7 | 2.6  |
| 8/29/2020 12:18 PM | -0.8 | 0.3 | -1.0 | -0.7 | 2.7  |
| 8/29/2020 12:24 PM | -0.8 | 0.3 | -1.0 | -0.7 | 2.7  |
| 8/29/2020 12:30 PM | -0.8 | 0.3 | -1.0 | -0.7 | 2.6  |
| 8/29/2020 12:36 PM | -0.8 | 0.3 | -1.0 | -0.7 | 2.6  |
| 8/29/2020 12:42 PM | -0.8 | 0.4 | -0.9 | -0.7 | 2.6  |
| 8/29/2020 12:48 PM | -0.8 | 0.3 | -0.9 | -0.7 | 2.7  |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/29/2020 12:54 PM | -0.8 | 0.3 | -0.9 | -0.7 | 2.7 |
| 8/29/2020 1:00 PM  | -0.8 | 0.3 | -0.9 | -0.7 | 2.7 |
| 8/29/2020 1:06 PM  | -0.8 | 0.3 | -0.8 | -0.7 | 2.7 |
| 8/29/2020 1:12 PM  | -0.8 | 0.4 | -0.8 | -0.7 | 2.7 |
| 8/29/2020 1:18 PM  | -0.8 | 0.4 | -0.8 | -0.7 | 2.7 |
| 8/29/2020 1:24 PM  | -0.8 | 0.4 | -0.8 | -0.7 | 2.7 |
| 8/29/2020 1:30 PM  | -0.8 | 0.4 | -0.8 | -0.7 | 2.6 |
| 8/29/2020 1:36 PM  | -0.7 | 0.5 | -0.8 | -0.7 | 2.6 |
| 8/29/2020 1:42 PM  | -0.7 | 0.5 | -0.8 | -0.7 | 2.6 |
| 8/29/2020 1:48 PM  | -0.7 | 0.5 | -0.8 | -0.7 | 2.7 |
| 8/29/2020 1:54 PM  | -0.7 | 0.5 | -0.8 | -0.7 | 2.7 |
| 8/29/2020 2:00 PM  | -0.8 | 0.4 | -0.8 | -0.7 | 2.7 |
| 8/29/2020 2:06 PM  | -0.8 | 0.4 | -0.8 | -0.7 | 2.7 |
| 8/29/2020 2:12 PM  | -0.7 | 0.4 | -0.8 | -0.7 | 2.6 |
| 8/29/2020 2:18 PM  | -0.7 | 0.4 | -0.8 | -0.7 | 2.6 |
| 8/29/2020 2:24 PM  | -0.7 | 0.5 | -0.8 | -0.7 | 2.6 |
| 8/29/2020 2:30 PM  | -0.7 | 0.5 | -0.8 | -0.7 | 2.6 |
| 8/29/2020 2:36 PM  | -0.7 | 0.5 | -0.7 | -0.7 | 2.6 |
| 8/29/2020 2:42 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 2:48 PM  | -0.7 | 0.4 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 2:54 PM  | -0.7 | 0.4 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 3:00 PM  | -0.7 | 0.4 | -0.5 | -0.7 | 2.7 |
| 8/29/2020 3:06 PM  | -0.7 | 0.5 | -0.5 | -0.7 | 2.7 |
| 8/29/2020 3:12 PM  | -0.7 | 0.6 | -0.5 | -0.7 | 2.6 |
| 8/29/2020 3:18 PM  | -0.7 | 0.6 | -0.5 | -0.7 | 2.6 |
| 8/29/2020 3:24 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 3:30 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 3:36 PM  | -0.7 | 0.4 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 3:42 PM  | -0.7 | 0.4 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 3:48 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 3:54 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 4:00 PM  | -0.7 | 0.4 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 4:06 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.7 |
| 8/29/2020 4:12 PM  | -0.7 | 0.3 | -0.7 | -0.7 | 2.7 |
| 8/29/2020 4:18 PM  | -0.7 | 0.3 | -0.7 | -0.7 | 2.7 |
| 8/29/2020 4:24 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.5 |
| 8/29/2020 4:30 PM  | -0.7 | 0.5 | -0.7 | -0.7 | 2.6 |
| 8/29/2020 4:36 PM  | -0.7 | 0.5 | -0.7 | -0.7 | 2.6 |
| 8/29/2020 4:42 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.7 |
| 8/29/2020 4:48 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.7 |
| 8/29/2020 4:54 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.7 |
| 8/29/2020 5:00 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.7 |
| 8/29/2020 5:06 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.7 |
| 8/29/2020 5:12 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.7 |
| 8/29/2020 5:18 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.6 |
| 8/29/2020 5:24 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.6 |
| 8/29/2020 5:30 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.7 |
| 8/29/2020 5:36 PM  | -0.7 | 0.4 | -0.7 | -0.7 | 2.7 |
| 8/29/2020 5:42 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 5:48 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 8/29/2020 5:54 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 6:00 PM  | -0.7 | 0.4 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 6:06 PM  | -0.7 | 0.4 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 6:12 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 6:18 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 6:24 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 6:30 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 6:36 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 6:42 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 6:48 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 6:54 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 7:00 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 7:06 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 7:12 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 7:18 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 7:24 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 7:30 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 7:36 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 7:42 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.8 |
| 8/29/2020 7:48 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.8 |
| 8/29/2020 7:54 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.8 |
| 8/29/2020 8:00 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 8:06 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 8:12 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 8:18 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 8:24 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 8:30 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 8:36 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 8:42 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 8:48 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 8:54 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 9:00 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 9:06 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 9:12 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 9:18 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 9:24 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.7 |
| 8/29/2020 9:30 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 9:36 PM  | -0.7 | 0.5 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 9:42 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 9:48 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 9:54 PM  | -0.7 | 0.6 | -0.6 | -0.7 | 2.6 |
| 8/29/2020 10:00 PM | -0.7 | 0.6 | -0.5 | -0.7 | 2.7 |
| 8/29/2020 10:06 PM | -0.7 | 0.7 | -0.5 | -0.7 | 2.7 |
| 8/29/2020 10:12 PM | -0.8 | 0.6 | -0.5 | -0.7 | 2.6 |
| 8/29/2020 10:18 PM | -0.8 | 0.6 | -0.5 | -0.7 | 2.6 |
| 8/29/2020 10:24 PM | -0.8 | 0.6 | -0.5 | -0.7 | 2.6 |
| 8/29/2020 10:30 PM | -0.8 | 0.6 | -0.5 | -0.7 | 2.6 |
| 8/29/2020 10:36 PM | -0.8 | 0.5 | -0.5 | -0.7 | 2.5 |
| 8/29/2020 10:42 PM | -0.8 | 0.6 | -0.5 | -0.7 | 2.5 |
| 8/29/2020 10:48 PM | -0.8 | 0.6 | -0.5 | -0.7 | 2.5 |



|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 8/29/2020 10:54 PM | -0.8 | 0.6  | -0.5 | -0.7 | 2.4 |
| 8/29/2020 11:00 PM | -0.8 | 0.6  | -0.5 | -0.7 | 2.4 |
| 8/29/2020 11:06 PM | -0.8 | 0.6  | -0.5 | -0.7 | 2.4 |
| 8/29/2020 11:12 PM | -0.8 | 0.6  | -0.5 | -0.7 | 2.4 |
| 8/29/2020 11:18 PM | -0.8 | 0.7  | -0.5 | -0.7 | 2.4 |
| 8/29/2020 11:24 PM | -0.8 | 0.8  | -0.5 | -0.7 | 2.4 |
| 8/29/2020 11:30 PM | -0.8 | 0.7  | -0.5 | -0.7 | 2.4 |
| 8/29/2020 11:36 PM | -0.8 | 0.7  | -0.5 | -0.7 | 2.4 |
| 8/29/2020 11:42 PM | -0.8 | 0.7  | -0.6 | -0.7 | 2.4 |
| 8/29/2020 11:48 PM | -0.8 | 0.7  | -0.6 | -0.7 | 2.3 |
| 8/29/2020 11:54 PM | -0.8 | 0.7  | -0.6 | -0.7 | 2.3 |
| 8/30/2020 12:00 AM | -0.8 | 0.7  | -0.6 | -0.7 | 2.3 |
| 8/30/2020 12:06 AM | -0.8 | 0.6  | -0.6 | -0.7 | 2.3 |
| 8/30/2020 12:12 AM | -0.8 | 0.7  | -0.6 | -0.7 | 2.2 |
| 8/30/2020 12:18 AM | -0.8 | 0.6  | -0.6 | -0.7 | 2.2 |
| 8/30/2020 12:24 AM | -0.8 | 0.5  | -0.6 | -0.7 | 2.2 |
| 8/30/2020 12:30 AM | -0.8 | 0.5  | -0.6 | -0.7 | 2.2 |
| 8/30/2020 12:36 AM | -0.8 | 0.4  | -0.6 | -0.7 | 2.1 |
| 8/30/2020 12:42 AM | -0.8 | 0.4  | -0.6 | -0.7 | 2.2 |
| 8/30/2020 12:48 AM | -0.8 | 0.4  | -0.6 | -0.7 | 2.2 |
| 8/30/2020 12:54 AM | -0.8 | 0.4  | -0.6 | -0.7 | 2.2 |
| 8/30/2020 1:00 AM  | -0.8 | 0.4  | -0.6 | -0.7 | 2.1 |
| 8/30/2020 1:06 AM  | -0.8 | 0.3  | -0.6 | -0.7 | 2.3 |
| 8/30/2020 1:12 AM  | -0.8 | 0.0  | -0.6 | -0.7 | 2.9 |
| 8/30/2020 1:18 AM  | -0.8 | -0.4 | -0.6 | -0.7 | 3.0 |
| 8/30/2020 1:24 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 2.9 |
| 8/30/2020 1:30 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 3.0 |
| 8/30/2020 1:36 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 2.9 |
| 8/30/2020 1:42 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 2.9 |
| 8/30/2020 1:48 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 2.9 |
| 8/30/2020 1:54 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 3.0 |
| 8/30/2020 2:00 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 2.9 |
| 8/30/2020 2:06 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 2:12 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 2:18 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 2:24 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 2:30 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 2:36 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 2:42 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 2:48 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 2:54 AM  | -0.9 | -1.0 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 3:00 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 3:06 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 3:12 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 3:18 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 3:24 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 3:30 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 3:36 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 3:42 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.6 |
| 8/30/2020 3:48 AM  | -0.9 | -1.1 | -0.6 | -0.7 | 2.6 |



|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 8/30/2020 3:54 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.6 |
| 8/30/2020 4:00 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 4:06 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.6 |
| 8/30/2020 4:12 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.6 |
| 8/30/2020 4:18 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.6 |
| 8/30/2020 4:24 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 4:30 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 4:36 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 4:42 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 4:48 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 4:54 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 5:00 AM | -0.9 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 5:06 AM | -0.9 | -1.0 | -0.6 | -0.7 | 2.7 |
| 8/30/2020 5:12 AM | -1.0 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 5:18 AM | -1.0 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 5:24 AM | -1.0 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 5:30 AM | -1.0 | -1.1 | -0.6 | -0.7 | 2.8 |
| 8/30/2020 5:36 AM | -1.0 | -1.1 | -0.7 | -0.7 | 2.7 |
| 8/30/2020 5:42 AM | -1.0 | -1.1 | -0.7 | -0.7 | 2.7 |
| 8/30/2020 5:48 AM | -1.0 | -1.0 | -0.8 | -0.7 | 2.7 |
| 8/30/2020 5:54 AM | -1.0 | -1.0 | -0.9 | -0.7 | 2.7 |
| 8/30/2020 6:00 AM | -1.0 | -1.0 | -1.0 | -0.7 | 2.8 |
| 8/30/2020 6:06 AM | -1.0 | -1.0 | -1.1 | -0.7 | 2.8 |
| 8/30/2020 6:12 AM | -1.0 | -1.0 | -1.1 | -0.7 | 2.7 |
| 8/30/2020 6:18 AM | -1.0 | -1.0 | -1.1 | -0.7 | 2.7 |
| 8/30/2020 6:24 AM | -1.0 | -1.0 | -1.1 | -0.7 | 2.7 |
| 8/30/2020 6:30 AM | -1.0 | -1.0 | -1.1 | -0.7 | 2.7 |
| 8/30/2020 6:36 AM | -1.0 | -1.0 | -1.1 | -0.7 | 2.7 |
| 8/30/2020 6:42 AM | -1.0 | -1.0 | -1.1 | -0.7 | 2.7 |
| 8/30/2020 6:48 AM | -1.0 | -1.0 | -1.1 | -0.7 | 2.7 |
| 8/30/2020 6:54 AM | -1.0 | -1.0 | -1.1 | -0.7 | 2.7 |
| 8/30/2020 7:00 AM | -1.0 | -1.0 | -1.1 | -0.7 | 2.8 |
| 8/30/2020 7:06 AM | -0.9 | -1.1 | -1.1 | -0.7 | 3.2 |
| 8/30/2020 7:12 AM | -0.9 | -1.1 | -1.1 | -0.7 | 3.8 |
| 8/30/2020 7:18 AM | -0.9 | -1.1 | -1.1 | -0.7 | 4.0 |
| 8/30/2020 7:24 AM | -0.9 | -1.0 | -1.0 | -0.7 | 4.4 |
| 8/30/2020 7:30 AM | -0.9 | -1.0 | -1.0 | -0.7 | 4.6 |
| 8/30/2020 7:36 AM | -0.9 | -1.0 | -1.0 | -0.7 | 4.5 |
| 8/30/2020 7:42 AM | -0.9 | -1.0 | -0.9 | -0.7 | 4.4 |
| 8/30/2020 7:48 AM | -0.9 | -1.0 | -0.8 | -0.7 | 4.3 |
| 8/30/2020 7:54 AM | -0.8 | -1.0 | -0.6 | -0.7 | 4.3 |
| 8/30/2020 8:00 AM | -0.8 | -1.0 | -0.4 | -0.7 | 4.3 |
| 8/30/2020 8:06 AM | -0.8 | -1.0 | -0.2 | -0.7 | 4.5 |
| 8/30/2020 8:12 AM | -0.8 | -1.0 | -0.3 | -0.7 | 4.9 |
| 8/30/2020 8:18 AM | -0.8 | -1.0 | -0.4 | -0.7 | 5.0 |
| 8/30/2020 8:24 AM | -0.8 | -1.0 | -0.4 | -0.7 | 5.0 |
| 8/30/2020 8:30 AM | -0.8 | -1.0 | -0.5 | -0.7 | 5.0 |
| 8/30/2020 8:36 AM | -0.8 | -1.0 | -0.5 | -0.7 | 5.0 |
| 8/30/2020 8:42 AM | -0.8 | -1.0 | -0.5 | 15.5 | 4.1 |
| 8/30/2020 8:48 AM | -0.8 | -1.0 | -0.6 | 21.5 | 2.8 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 8/30/2020 8:54 AM  | -0.8 | -1.0 | -0.6 | 7.9 | 2.3 |
| 8/30/2020 9:00 AM  | -0.8 | -1.0 | -0.7 | 4.1 | 2.2 |
| 8/30/2020 9:06 AM  | -0.8 | -1.0 | -0.7 | 3.1 | 2.3 |
| 8/30/2020 9:12 AM  | -0.8 | -1.0 | -0.7 | 1.8 | 2.3 |
| 8/30/2020 9:18 AM  | -0.8 | -1.0 | -0.7 | 1.7 | 2.3 |
| 8/30/2020 9:24 AM  | -0.8 | -1.0 | -0.7 | 1.6 | 2.4 |
| 8/30/2020 9:30 AM  | -0.9 | -1.0 | -0.7 | 1.6 | 2.4 |
| 8/30/2020 9:36 AM  | -0.9 | -0.9 | -0.6 | 1.5 | 2.4 |
| 8/30/2020 9:42 AM  | -0.9 | -1.0 | -0.6 | 1.5 | 2.4 |
| 8/30/2020 9:48 AM  | -0.9 | -0.9 | -0.6 | 1.7 | 2.3 |
| 8/30/2020 9:54 AM  | -0.9 | -1.0 | -0.6 | 2.0 | 2.2 |
| 8/30/2020 10:00 AM | -0.9 | -1.0 | -0.6 | 2.1 | 2.2 |
| 8/30/2020 10:06 AM | -0.9 | -1.0 | -0.6 | 2.1 | 2.3 |
| 8/30/2020 10:12 AM | -0.9 | -1.0 | -0.6 | 2.0 | 2.3 |
| 8/30/2020 10:18 AM | -0.9 | -1.0 | -0.5 | 1.9 | 2.3 |
| 8/30/2020 10:24 AM | -0.9 | -1.0 | -0.5 | 1.7 | 2.3 |
| 8/30/2020 10:30 AM | -0.9 | -1.0 | -0.6 | 1.5 | 2.3 |
| 8/30/2020 10:36 AM | -0.9 | -1.0 | -0.6 | 1.3 | 2.2 |
| 8/30/2020 10:42 AM | -0.9 | -1.0 | -0.6 | 1.2 | 2.3 |
| 8/30/2020 10:48 AM | -0.9 | -1.0 | -0.7 | 1.1 | 2.3 |
| 8/30/2020 10:54 AM | -0.9 | -1.0 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 11:00 AM | -0.8 | -1.0 | -0.6 | 0.8 | 2.3 |
| 8/30/2020 11:06 AM | -0.8 | -0.9 | -0.6 | 0.8 | 2.3 |
| 8/30/2020 11:12 AM | -0.8 | -0.9 | -0.6 | 0.7 | 2.3 |
| 8/30/2020 11:18 AM | -0.8 | -0.9 | -0.6 | 0.7 | 2.3 |
| 8/30/2020 11:24 AM | -0.8 | -0.9 | -0.6 | 0.7 | 2.3 |
| 8/30/2020 11:30 AM | -0.8 | -0.9 | -0.6 | 0.7 | 2.3 |
| 8/30/2020 11:36 AM | -0.8 | -0.9 | -0.6 | 0.6 | 2.3 |
| 8/30/2020 11:42 AM | -0.8 | -0.9 | -0.6 | 0.6 | 2.3 |
| 8/30/2020 11:48 AM | -0.8 | -0.9 | -0.5 | 0.6 | 2.3 |
| 8/30/2020 11:54 AM | -0.8 | -0.9 | -0.4 | 0.6 | 2.3 |
| 8/30/2020 12:00 PM | -0.7 | -0.9 | -0.3 | 0.7 | 2.3 |
| 8/30/2020 12:06 PM | -0.2 | -0.8 | -0.1 | 0.8 | 2.5 |
| 8/30/2020 12:12 PM | -0.2 | -0.7 | -0.1 | 0.8 | 2.5 |
| 8/30/2020 12:18 PM | -0.2 | -0.7 | -0.1 | 0.8 | 2.5 |
| 8/30/2020 12:24 PM | -0.2 | -0.7 | -0.1 | 0.8 | 2.5 |
| 8/30/2020 12:30 PM | -0.2 | -0.7 | -0.2 | 0.8 | 2.5 |
| 8/30/2020 12:36 PM | -0.2 | -0.7 | -0.3 | 0.8 | 2.5 |
| 8/30/2020 12:42 PM | -0.2 | -0.7 | -0.4 | 0.8 | 2.5 |
| 8/30/2020 12:48 PM | -0.2 | -0.7 | -0.4 | 0.8 | 2.6 |
| 8/30/2020 12:54 PM | -0.2 | -0.7 | -0.5 | 0.8 | 2.6 |
| 8/30/2020 1:00 PM  | -0.2 | -0.7 | -0.6 | 0.9 | 2.5 |
| 8/30/2020 1:06 PM  | -0.2 | -0.7 | -0.6 | 0.8 | 2.5 |
| 8/30/2020 1:12 PM  | -0.2 | -0.7 | -0.6 | 0.8 | 2.5 |
| 8/30/2020 1:18 PM  | -0.2 | -0.7 | -0.5 | 0.8 | 2.4 |
| 8/30/2020 1:24 PM  | -0.2 | -0.7 | -0.4 | 0.8 | 2.4 |
| 8/30/2020 1:30 PM  | -0.2 | -0.7 | -0.4 | 0.8 | 2.4 |
| 8/30/2020 1:36 PM  | -0.2 | -0.7 | -0.3 | 0.8 | 2.4 |
| 8/30/2020 1:42 PM  | -0.2 | -0.7 | -0.3 | 0.8 | 2.5 |
| 8/30/2020 1:48 PM  | -0.2 | -0.7 | -0.4 | 0.8 | 2.5 |

|                   |      |      |      |     |     |
|-------------------|------|------|------|-----|-----|
| 8/30/2020 1:54 PM | -0.2 | -0.7 | -0.4 | 0.8 | 2.5 |
| 8/30/2020 2:00 PM | -0.2 | -0.7 | -0.4 | 0.8 | 2.5 |
| 8/30/2020 2:06 PM | -0.2 | -0.7 | -0.5 | 0.8 | 2.5 |
| 8/30/2020 2:12 PM | -0.2 | -0.7 | -0.6 | 0.8 | 2.5 |
| 8/30/2020 2:18 PM | -0.2 | -0.7 | -0.6 | 0.8 | 2.4 |
| 8/30/2020 2:24 PM | -0.2 | -0.7 | -0.6 | 0.8 | 2.4 |
| 8/30/2020 2:30 PM | -0.2 | -0.7 | -0.6 | 0.8 | 2.4 |
| 8/30/2020 2:36 PM | -0.2 | -0.7 | -0.6 | 0.8 | 2.5 |
| 8/30/2020 2:42 PM | -0.2 | -0.7 | -0.6 | 0.8 | 2.5 |
| 8/30/2020 2:48 PM | -0.2 | -0.7 | -0.6 | 0.7 | 2.5 |
| 8/30/2020 2:54 PM | -0.2 | -0.7 | -0.5 | 0.8 | 2.5 |
| 8/30/2020 3:00 PM | -0.2 | -0.7 | -0.4 | 0.7 | 2.5 |
| 8/30/2020 3:06 PM | -0.2 | -0.7 | -0.4 | 0.9 | 2.4 |
| 8/30/2020 3:12 PM | -0.2 | -0.7 | -0.4 | 1.1 | 2.3 |
| 8/30/2020 3:18 PM | -0.2 | -0.7 | -0.5 | 1.1 | 2.2 |
| 8/30/2020 3:24 PM | -0.2 | -0.7 | -0.5 | 1.0 | 2.3 |
| 8/30/2020 3:30 PM | -0.2 | -0.6 | -0.6 | 1.0 | 2.3 |
| 8/30/2020 3:36 PM | -0.2 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 3:42 PM | -0.2 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 3:48 PM | -0.2 | -0.7 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 3:54 PM | -0.2 | -0.7 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 4:00 PM | -0.2 | -0.7 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 4:06 PM | -0.2 | -0.7 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 4:12 PM | -0.2 | -0.7 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 4:18 PM | -0.2 | -0.6 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 4:24 PM | -0.2 | -0.7 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 4:30 PM | -0.2 | -0.7 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 4:36 PM | -0.2 | -0.6 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 4:42 PM | -0.2 | -0.6 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 4:48 PM | -0.2 | -0.6 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 4:54 PM | -0.2 | -0.6 | -0.7 | 0.9 | 2.4 |
| 8/30/2020 5:00 PM | -0.3 | -0.5 | -0.7 | 0.8 | 2.4 |
| 8/30/2020 5:06 PM | -0.3 | -0.5 | -0.7 | 0.9 | 2.4 |
| 8/30/2020 5:12 PM | -0.3 | -0.5 | -0.7 | 0.9 | 2.4 |
| 8/30/2020 5:18 PM | -0.3 | -0.5 | -0.7 | 0.9 | 2.4 |
| 8/30/2020 5:24 PM | -0.3 | -0.5 | -0.7 | 0.9 | 2.4 |
| 8/30/2020 5:30 PM | -0.3 | -0.5 | -0.7 | 0.9 | 2.3 |
| 8/30/2020 5:36 PM | -0.3 | -0.5 | -0.7 | 0.9 | 2.3 |
| 8/30/2020 5:42 PM | -0.3 | -0.5 | -0.7 | 0.9 | 2.3 |
| 8/30/2020 5:48 PM | -0.3 | -0.5 | -0.7 | 0.9 | 2.3 |
| 8/30/2020 5:54 PM | -0.3 | -0.5 | -0.7 | 0.9 | 2.3 |
| 8/30/2020 6:00 PM | -0.3 | -0.5 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 6:06 PM | -0.3 | -0.5 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 6:12 PM | -0.3 | -0.6 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 6:18 PM | -0.3 | -0.6 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 6:24 PM | -0.3 | -0.7 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 6:30 PM | -0.3 | -0.7 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 6:36 PM | -0.3 | -0.7 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 6:42 PM | -0.3 | -0.7 | -0.6 | 0.9 | 2.5 |
| 8/30/2020 6:48 PM | -0.3 | -0.7 | -0.6 | 1.0 | 2.4 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 8/30/2020 6:54 PM  | -0.3 | -0.7 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 7:00 PM  | -0.3 | -0.7 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 7:06 PM  | -0.3 | -0.7 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 7:12 PM  | -0.3 | -0.7 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 7:18 PM  | -0.3 | -0.7 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 7:24 PM  | -0.3 | -0.7 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 7:30 PM  | -0.3 | -0.7 | -0.6 | 0.9 | 2.5 |
| 8/30/2020 7:36 PM  | -0.3 | -0.7 | -0.6 | 0.9 | 2.5 |
| 8/30/2020 7:42 PM  | -0.3 | -0.7 | -0.6 | 0.9 | 2.5 |
| 8/30/2020 7:48 PM  | -0.3 | -0.6 | -0.6 | 0.9 | 2.5 |
| 8/30/2020 7:54 PM  | -0.3 | -0.6 | -0.6 | 0.9 | 2.5 |
| 8/30/2020 8:00 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 8:06 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 8:12 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 8:18 PM  | -0.3 | -0.6 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 8:24 PM  | -0.3 | -0.6 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 8:30 PM  | -0.3 | -0.6 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 8:36 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.3 |
| 8/30/2020 8:42 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.3 |
| 8/30/2020 8:48 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 8:54 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.3 |
| 8/30/2020 9:00 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 9:06 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 9:12 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 9:18 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 9:24 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 9:30 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 9:36 PM  | -0.3 | -0.6 | -0.6 | 1.0 | 2.4 |
| 8/30/2020 9:42 PM  | -0.3 | -0.6 | -0.5 | 1.0 | 2.3 |
| 8/30/2020 9:48 PM  | -0.4 | -0.6 | -0.5 | 1.0 | 2.3 |
| 8/30/2020 9:54 PM  | -0.4 | -0.6 | -0.5 | 1.0 | 2.4 |
| 8/30/2020 10:00 PM | -0.4 | -0.6 | -0.5 | 1.0 | 2.5 |
| 8/30/2020 10:06 PM | -0.4 | -0.6 | -0.5 | 1.0 | 2.4 |
| 8/30/2020 10:12 PM | -0.4 | -0.6 | -0.5 | 1.0 | 2.4 |
| 8/30/2020 10:18 PM | -0.4 | -0.6 | -0.5 | 0.9 | 2.4 |
| 8/30/2020 10:24 PM | -0.4 | -0.6 | -0.5 | 0.8 | 2.4 |
| 8/30/2020 10:30 PM | -0.4 | -0.5 | -0.5 | 0.7 | 2.4 |
| 8/30/2020 10:36 PM | -0.4 | -0.5 | -0.6 | 0.8 | 2.5 |
| 8/30/2020 10:42 PM | -0.4 | -0.5 | -0.6 | 0.8 | 2.4 |
| 8/30/2020 10:48 PM | -0.4 | -0.5 | -0.6 | 0.8 | 2.4 |
| 8/30/2020 10:54 PM | -0.4 | -0.5 | -0.6 | 0.8 | 2.4 |
| 8/30/2020 11:00 PM | -0.4 | -0.5 | -0.6 | 0.8 | 2.3 |
| 8/30/2020 11:06 PM | -0.4 | -0.5 | -0.6 | 0.8 | 2.3 |
| 8/30/2020 11:12 PM | -0.4 | -0.5 | -0.6 | 0.8 | 2.3 |
| 8/30/2020 11:18 PM | -0.4 | -0.5 | -0.6 | 0.9 | 2.3 |
| 8/30/2020 11:24 PM | -0.4 | -0.5 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 11:30 PM | -0.4 | -0.5 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 11:36 PM | -0.4 | -0.5 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 11:42 PM | -0.4 | -0.5 | -0.6 | 0.9 | 2.4 |
| 8/30/2020 11:48 PM | -0.4 | -0.5 | -0.6 | 0.9 | 2.5 |

|                    |      |      |      |     |      |
|--------------------|------|------|------|-----|------|
| 8/30/2020 11:54 PM | -0.4 | -0.5 | -0.6 | 0.9 | 2.5  |
| 8/31/2020 12:00 AM | -0.4 | -0.5 | -0.6 | 0.8 | 2.5  |
| 8/31/2020 12:06 AM | -0.4 | -0.5 | -0.6 | 0.8 | 2.5  |
| 8/31/2020 12:12 AM | -0.4 | -0.5 | -0.6 | 0.8 | 2.5  |
| 8/31/2020 12:18 AM | -0.4 | -0.4 | -0.6 | 0.9 | 2.5  |
| 8/31/2020 12:24 AM | -0.4 | -0.4 | -0.6 | 0.9 | 2.4  |
| 8/31/2020 12:30 AM | -0.4 | -0.4 | -0.6 | 1.3 | 2.3  |
| 8/31/2020 12:36 AM | -0.4 | -0.4 | -0.6 | 3.7 | 1.3  |
| 8/31/2020 12:42 AM | -0.4 | -0.4 | -0.6 | 4.2 | 0.0  |
| 8/31/2020 12:48 AM | -0.4 | -0.4 | -0.6 | 3.7 | 0.0  |
| 8/31/2020 12:54 AM | -0.4 | -0.4 | -0.6 | 3.5 | 0.0  |
| 8/31/2020 1:00 AM  | -0.4 | -0.4 | -0.6 | 3.4 | -0.1 |
| 8/31/2020 1:06 AM  | -0.4 | -0.4 | -0.6 | 3.3 | -0.1 |
| 8/31/2020 1:12 AM  | -0.4 | -0.4 | -0.6 | 3.3 | -0.1 |
| 8/31/2020 1:18 AM  | -0.4 | -0.4 | -0.6 | 3.3 | 0.0  |
| 8/31/2020 1:24 AM  | -0.4 | -0.4 | -0.6 | 3.2 | 0.0  |
| 8/31/2020 1:30 AM  | -0.4 | -0.4 | -0.6 | 3.2 | -0.1 |
| 8/31/2020 1:36 AM  | -0.4 | -0.4 | -0.6 | 3.2 | -0.1 |
| 8/31/2020 1:42 AM  | -0.4 | -0.4 | -0.6 | 3.2 | 0.0  |
| 8/31/2020 1:48 AM  | -0.4 | -0.3 | -0.6 | 3.0 | 0.0  |
| 8/31/2020 1:54 AM  | -0.4 | -0.3 | -0.6 | 3.0 | 0.0  |
| 8/31/2020 2:00 AM  | -0.4 | -0.3 | -0.6 | 3.0 | -0.1 |
| 8/31/2020 2:06 AM  | -0.4 | -0.3 | -0.6 | 3.0 | -0.1 |
| 8/31/2020 2:12 AM  | -0.4 | -0.3 | -0.6 | 2.9 | -0.1 |
| 8/31/2020 2:18 AM  | -0.4 | -0.3 | -0.6 | 2.7 | -0.1 |
| 8/31/2020 2:24 AM  | -0.4 | -0.3 | -0.6 | 2.7 | -0.1 |
| 8/31/2020 2:30 AM  | -0.4 | -0.3 | -0.6 | 2.7 | -0.1 |
| 8/31/2020 2:36 AM  | -0.4 | -0.3 | -0.6 | 2.1 | -0.1 |
| 8/31/2020 2:42 AM  | -0.4 | -0.3 | -0.6 | 1.1 | -0.1 |
| 8/31/2020 2:48 AM  | -0.4 | -0.3 | -0.6 | 1.0 | -0.1 |
| 8/31/2020 2:54 AM  | -0.4 | -0.3 | -0.6 | 1.0 | 0.0  |
| 8/31/2020 3:00 AM  | -0.4 | -0.3 | -0.6 | 1.0 | -0.1 |
| 8/31/2020 3:06 AM  | -0.4 | -0.3 | -0.6 | 1.1 | -0.1 |
| 8/31/2020 3:12 AM  | -0.5 | -0.2 | -0.6 | 1.1 | -0.1 |
| 8/31/2020 3:18 AM  | -0.5 | -0.2 | -0.6 | 1.1 | -0.1 |
| 8/31/2020 3:24 AM  | -0.5 | -0.2 | -0.6 | 1.1 | 0.0  |
| 8/31/2020 3:30 AM  | -0.5 | -0.2 | -0.6 | 1.2 | -0.1 |
| 8/31/2020 3:36 AM  | -0.5 | -0.2 | -0.6 | 1.2 | -0.1 |
| 8/31/2020 3:42 AM  | -0.5 | -0.2 | -0.6 | 1.2 | -0.1 |
| 8/31/2020 3:48 AM  | -0.5 | -0.2 | -0.6 | 1.1 | -0.1 |
| 8/31/2020 3:54 AM  | -0.5 | -0.2 | -0.6 | 1.1 | -0.1 |
| 8/31/2020 4:00 AM  | -0.5 | -0.2 | -0.6 | 1.1 | -0.1 |
| 8/31/2020 4:06 AM  | -0.5 | -0.2 | -0.6 | 1.2 | -0.1 |
| 8/31/2020 4:12 AM  | -0.5 | -0.1 | -0.6 | 1.2 | -0.1 |
| 8/31/2020 4:18 AM  | -0.5 | -0.1 | -0.6 | 1.2 | -0.1 |
| 8/31/2020 4:24 AM  | -0.5 | -0.1 | -0.6 | 1.2 | -0.1 |
| 8/31/2020 4:30 AM  | -0.5 | -0.1 | -0.6 | 1.2 | -0.1 |
| 8/31/2020 4:36 AM  | -0.5 | -0.1 | -0.6 | 1.2 | -0.1 |
| 8/31/2020 4:42 AM  | -0.5 | -0.1 | -0.6 | 1.3 | -0.1 |
| 8/31/2020 4:48 AM  | -0.5 | -0.1 | -0.6 | 1.9 | -0.1 |

|                   |      |     |      |     |      |
|-------------------|------|-----|------|-----|------|
| 8/31/2020 4:54 AM | -0.5 | 0.0 | -0.6 | 2.0 | -0.1 |
| 8/31/2020 5:00 AM | -0.5 | 0.0 | -0.6 | 1.9 | -0.1 |
| 8/31/2020 5:06 AM | -0.5 | 0.0 | -0.7 | 1.9 | -0.1 |
| 8/31/2020 5:12 AM | -0.5 | 0.0 | -0.7 | 1.8 | -0.1 |
| 8/31/2020 5:18 AM | -0.5 | 0.0 | -0.7 | 1.8 | -0.1 |
| 8/31/2020 5:24 AM | -0.5 | 0.0 | -0.7 | 1.8 | -0.1 |
| 8/31/2020 5:30 AM | -0.5 | 0.1 | -0.7 | 1.8 | -0.1 |
| 8/31/2020 5:36 AM | -0.5 | 0.1 | -0.7 | 1.8 | -0.1 |
| 8/31/2020 5:42 AM | -0.5 | 0.1 | -0.7 | 1.8 | -0.1 |
| 8/31/2020 5:48 AM | -0.5 | 0.1 | -0.7 | 1.7 | -0.1 |
| 8/31/2020 5:54 AM | -0.5 | 0.1 | -0.7 | 1.7 | -0.1 |
| 8/31/2020 6:00 AM | -0.5 | 0.1 | -0.7 | 1.7 | -0.1 |
| 8/31/2020 6:06 AM | -0.5 | 0.1 | -0.7 | 1.7 | -0.1 |
| 8/31/2020 6:12 AM | -0.5 | 0.1 | -0.7 | 1.7 | -0.1 |
| 8/31/2020 6:18 AM | -0.5 | 0.1 | -0.7 | 2.8 | -0.1 |
| 8/31/2020 6:24 AM | -0.5 | 0.2 | -0.8 | 4.1 | -0.1 |
| 8/31/2020 6:30 AM | -0.5 | 0.2 | -0.8 | 4.1 | -0.1 |
| 8/31/2020 6:36 AM | -0.5 | 0.2 | -0.8 | 4.1 | -0.1 |
| 8/31/2020 6:42 AM | -0.5 | 0.2 | -0.8 | 4.0 | -0.1 |
| 8/31/2020 6:48 AM | 3.5  | 0.3 | -0.8 | 3.9 | -0.1 |
| 8/31/2020 6:54 AM | 8.4  | 0.3 | -0.8 | 4.0 | -0.1 |
| 8/31/2020 7:00 AM | 5.8  | 0.3 | -0.8 | 3.8 | -0.1 |
| 8/31/2020 7:06 AM | 4.4  | 0.4 | -0.9 | 2.1 | -0.1 |
| 8/31/2020 7:12 AM | 2.8  | 0.4 | -0.9 | 0.8 | -0.1 |
| 8/31/2020 7:18 AM | 2.0  | 0.4 | -0.9 | 0.9 | -0.1 |
| 8/31/2020 7:24 AM | 1.8  | 0.4 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 7:30 AM | 1.9  | 0.4 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 7:36 AM | 1.5  | 0.4 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 7:42 AM | 1.0  | 0.4 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 7:48 AM | 0.9  | 0.4 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 7:54 AM | 0.8  | 0.4 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 8:00 AM | 0.8  | 0.4 | -0.9 | 0.9 | -0.1 |
| 8/31/2020 8:06 AM | 0.8  | 0.4 | -0.9 | 0.6 | -0.1 |
| 8/31/2020 8:12 AM | 0.7  | 0.4 | -0.9 | 0.5 | -0.1 |
| 8/31/2020 8:18 AM | 0.7  | 0.4 | -0.9 | 0.6 | -0.1 |
| 8/31/2020 8:24 AM | 0.7  | 0.5 | -0.9 | 0.6 | -0.1 |
| 8/31/2020 8:30 AM | 0.7  | 0.6 | -0.9 | 0.6 | -0.1 |
| 8/31/2020 8:36 AM | 0.6  | 0.7 | -0.9 | 0.7 | -0.1 |
| 8/31/2020 8:42 AM | 0.6  | 0.6 | -0.9 | 0.8 | -0.1 |
| 8/31/2020 8:48 AM | 0.6  | 0.6 | -0.9 | 0.8 | -0.1 |
| 8/31/2020 8:54 AM | 0.5  | 0.6 | -0.9 | 0.8 | -0.1 |
| 8/31/2020 9:00 AM | 0.5  | 0.5 | -0.9 | 0.9 | -0.1 |
| 8/31/2020 9:06 AM | 0.5  | 0.5 | -0.9 | 0.9 | -0.1 |
| 8/31/2020 9:12 AM | 0.7  | 0.4 | -0.9 | 0.8 | -0.1 |
| 8/31/2020 9:18 AM | 0.9  | 0.5 | -0.9 | 0.8 | -0.1 |
| 8/31/2020 9:24 AM | 0.7  | 0.5 | -0.9 | 0.9 | -0.1 |
| 8/31/2020 9:30 AM | 0.5  | 0.5 | -0.9 | 1.1 | -0.1 |
| 8/31/2020 9:36 AM | 0.5  | 0.5 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 9:42 AM | 0.6  | 0.5 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 9:48 AM | 0.7  | 0.5 | -0.9 | 1.0 | -0.1 |

|                    |     |     |      |     |      |
|--------------------|-----|-----|------|-----|------|
| 8/31/2020 9:54 AM  | 0.8 | 0.6 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 10:00 AM | 0.9 | 0.6 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 10:06 AM | 1.0 | 0.7 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 10:12 AM | 1.0 | 0.7 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 10:18 AM | 1.0 | 0.7 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 10:24 AM | 1.0 | 0.7 | -0.9 | 1.1 | -0.1 |
| 8/31/2020 10:30 AM | 1.0 | 0.7 | -0.9 | 1.1 | -0.1 |
| 8/31/2020 10:36 AM | 1.0 | 0.7 | -0.9 | 1.1 | -0.1 |
| 8/31/2020 10:42 AM | 1.0 | 0.7 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 10:48 AM | 0.9 | 0.7 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 10:54 AM | 0.9 | 0.7 | -0.9 | 1.1 | -0.1 |
| 8/31/2020 11:00 AM | 0.9 | 0.7 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 11:06 AM | 0.9 | 0.7 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 11:12 AM | 0.9 | 0.7 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 11:18 AM | 0.8 | 0.7 | -0.9 | 1.0 | -0.1 |
| 8/31/2020 11:24 AM | 0.8 | 0.7 | -0.8 | 0.9 | -0.1 |
| 8/31/2020 11:30 AM | 0.8 | 0.6 | -0.8 | 0.9 | -0.1 |
| 8/31/2020 11:36 AM | 0.7 | 0.6 | -0.8 | 1.0 | -0.1 |
| 8/31/2020 11:42 AM | 0.7 | 0.6 | -0.8 | 1.0 | -0.1 |
| 8/31/2020 11:48 AM | 0.7 | 0.6 | -0.8 | 1.0 | -0.1 |
| 8/31/2020 11:54 AM | 0.6 | 0.6 | -0.8 | 1.1 | -0.1 |
| 8/31/2020 12:00 PM | 0.6 | 0.5 | -0.8 | 1.1 | -0.1 |
| 8/31/2020 12:06 PM | 0.6 | 0.6 | -0.7 | 1.0 | 0.0  |
| 8/31/2020 12:12 PM | 0.6 | 0.6 | -0.7 | 1.1 | 0.0  |
| 8/31/2020 12:18 PM | 0.5 | 0.6 | -0.7 | 1.1 | 0.0  |
| 8/31/2020 12:24 PM | 0.5 | 0.6 | -0.7 | 1.1 | 0.0  |
| 8/31/2020 12:30 PM | 0.5 | 0.6 | -0.7 | 1.1 | 0.0  |
| 8/31/2020 12:36 PM | 0.5 | 0.6 | -0.7 | 1.1 | 0.0  |
| 8/31/2020 12:42 PM | 0.5 | 0.7 | -0.7 | 1.1 | 0.0  |
| 8/31/2020 12:48 PM | 0.5 | 0.7 | -0.7 | 1.1 | 0.0  |
| 8/31/2020 12:54 PM | 0.4 | 0.8 | -0.7 | 1.1 | 0.0  |
| 8/31/2020 1:00 PM  | 0.4 | 0.8 | -0.7 | 1.1 | 0.0  |
| 8/31/2020 1:06 PM  | 0.5 | 0.8 | -0.7 | 0.9 | 0.0  |
| 8/31/2020 1:12 PM  | 0.5 | 0.9 | -0.7 | 0.7 | 0.0  |
| 8/31/2020 1:18 PM  | 0.4 | 0.9 | -0.7 | 0.8 | 0.0  |
| 8/31/2020 1:24 PM  | 0.4 | 0.9 | -0.7 | 0.8 | 0.0  |
| 8/31/2020 1:30 PM  | 0.4 | 0.8 | -0.7 | 0.8 | 0.0  |
| 8/31/2020 1:36 PM  | 0.4 | 0.6 | -0.6 | 0.8 | 0.0  |
| 8/31/2020 1:42 PM  | 0.4 | 0.5 | -0.5 | 0.8 | 0.0  |
| 8/31/2020 1:48 PM  | 0.4 | 0.4 | -0.5 | 0.9 | 0.0  |
| 8/31/2020 1:54 PM  | 0.4 | 0.4 | -0.5 | 0.9 | 0.0  |
| 8/31/2020 2:00 PM  | 0.4 | 0.4 | -0.5 | 0.9 | 0.0  |
| 8/31/2020 2:06 PM  | 0.4 | 0.5 | -0.6 | 0.9 | 0.0  |
| 8/31/2020 2:12 PM  | 0.4 | 0.6 | -0.6 | 0.9 | 0.0  |
| 8/31/2020 2:18 PM  | 0.4 | 0.6 | -0.6 | 0.9 | 0.0  |
| 8/31/2020 2:24 PM  | 0.4 | 0.6 | -0.6 | 0.9 | 0.0  |
| 8/31/2020 2:30 PM  | 0.4 | 0.7 | -0.7 | 0.9 | 0.0  |
| 8/31/2020 2:36 PM  | 0.4 | 0.7 | -0.7 | 0.9 | 0.0  |
| 8/31/2020 2:42 PM  | 0.4 | 0.7 | -0.7 | 0.9 | 0.0  |
| 8/31/2020 2:48 PM  | 0.3 | 0.8 | -0.7 | 0.9 | 0.0  |

|                   |     |     |      |     |     |
|-------------------|-----|-----|------|-----|-----|
| 8/31/2020 2:54 PM | 0.3 | 0.8 | -0.7 | 0.9 | 0.0 |
| 8/31/2020 3:00 PM | 0.4 | 0.9 | -0.7 | 0.9 | 0.0 |
| 8/31/2020 3:06 PM | 0.4 | 0.9 | -0.7 | 0.9 | 0.0 |
| 8/31/2020 3:12 PM | 0.4 | 0.9 | -0.7 | 0.9 | 0.0 |
| 8/31/2020 3:18 PM | 0.5 | 0.9 | -0.7 | 0.9 | 0.0 |
| 8/31/2020 3:24 PM | 0.5 | 0.9 | -0.7 | 0.9 | 0.0 |
| 8/31/2020 3:30 PM | 0.5 | 1.0 | -0.7 | 0.9 | 0.0 |
| 8/31/2020 3:36 PM | 0.5 | 1.0 | -0.7 | 0.9 | 0.0 |
| 8/31/2020 3:42 PM | 0.5 | 1.0 | -0.7 | 0.9 | 0.0 |
| 8/31/2020 3:48 PM | 0.5 | 1.0 | -0.7 | 0.9 | 0.0 |
| 8/31/2020 3:54 PM | 0.5 | 1.0 | -0.7 | 0.9 | 0.0 |
| 8/31/2020 4:00 PM | 0.5 | 1.1 | -0.7 | 1.0 | 0.0 |
| 8/31/2020 4:06 PM | 0.5 | 1.1 | -0.7 | 1.0 | 0.0 |
| 8/31/2020 4:12 PM | 0.6 | 1.1 | -0.7 | 1.0 | 0.0 |
| 8/31/2020 4:18 PM | 0.5 | 1.0 | -0.7 | 1.0 | 0.0 |
| 8/31/2020 4:24 PM | 0.5 | 0.9 | -0.7 | 1.0 | 0.0 |
| 8/31/2020 4:30 PM | 0.5 | 0.8 | -0.7 | 1.0 | 0.0 |
| 8/31/2020 4:36 PM | 0.5 | 0.7 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 4:42 PM | 0.5 | 0.6 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 4:48 PM | 0.5 | 0.5 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 4:54 PM | 0.5 | 0.5 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 5:00 PM | 0.5 | 0.5 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 5:06 PM | 0.5 | 0.5 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 5:12 PM | 0.5 | 0.6 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 5:18 PM | 0.5 | 0.7 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 5:24 PM | 0.5 | 0.7 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 5:30 PM | 0.5 | 0.8 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 5:36 PM | 0.5 | 0.8 | -0.7 | 1.0 | 0.0 |
| 8/31/2020 5:42 PM | 0.5 | 0.8 | -0.7 | 1.0 | 0.0 |
| 8/31/2020 5:48 PM | 0.5 | 0.9 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 5:54 PM | 0.5 | 0.9 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 6:00 PM | 0.5 | 0.9 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 6:06 PM | 0.5 | 0.9 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 6:12 PM | 0.5 | 0.9 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 6:18 PM | 0.5 | 0.9 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 6:24 PM | 0.5 | 1.0 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 6:30 PM | 0.5 | 1.0 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 6:36 PM | 0.5 | 1.0 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 6:42 PM | 0.5 | 1.0 | -0.6 | 0.9 | 0.0 |
| 8/31/2020 6:48 PM | 0.5 | 1.1 | -0.6 | 0.9 | 0.0 |
| 8/31/2020 6:54 PM | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 7:00 PM | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 7:06 PM | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 7:12 PM | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 7:18 PM | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 7:24 PM | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 7:30 PM | 0.5 | 1.2 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 7:36 PM | 0.5 | 1.2 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 7:42 PM | 0.5 | 1.2 | -0.6 | 0.9 | 0.0 |
| 8/31/2020 7:48 PM | 0.5 | 1.2 | -0.6 | 1.0 | 0.0 |



|                    |     |     |      |     |     |
|--------------------|-----|-----|------|-----|-----|
| 8/31/2020 7:54 PM  | 0.5 | 1.2 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 8:00 PM  | 0.5 | 1.2 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 8:06 PM  | 0.5 | 1.2 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 8:12 PM  | 0.5 | 1.2 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 8:18 PM  | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 8:24 PM  | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 8:30 PM  | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 8:36 PM  | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 8:42 PM  | 0.5 | 1.2 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 8:48 PM  | 0.5 | 1.2 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 8:54 PM  | 0.5 | 1.2 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 9:00 PM  | 0.5 | 1.2 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 9:06 PM  | 0.5 | 1.2 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 9:12 PM  | 0.5 | 1.2 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 9:18 PM  | 0.5 | 1.2 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 9:24 PM  | 0.5 | 1.2 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 9:30 PM  | 0.4 | 1.3 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 9:36 PM  | 0.4 | 1.3 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 9:42 PM  | 0.5 | 1.3 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 9:48 PM  | 0.4 | 1.2 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 9:54 PM  | 0.5 | 1.2 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 10:00 PM | 0.5 | 1.2 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 10:06 PM | 0.5 | 1.2 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 10:12 PM | 0.5 | 1.1 | -0.6 | 1.2 | 0.0 |
| 8/31/2020 10:18 PM | 0.5 | 1.1 | -0.6 | 1.2 | 0.0 |
| 8/31/2020 10:24 PM | 0.5 | 1.1 | -0.6 | 1.2 | 0.0 |
| 8/31/2020 10:30 PM | 0.5 | 1.1 | -0.6 | 1.2 | 0.0 |
| 8/31/2020 10:36 PM | 0.5 | 1.1 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 10:42 PM | 0.5 | 1.1 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 10:48 PM | 0.5 | 1.1 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 10:54 PM | 0.5 | 1.1 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 11:00 PM | 0.5 | 1.1 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 11:06 PM | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 11:12 PM | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 11:18 PM | 0.5 | 1.1 | -0.6 | 1.0 | 0.0 |
| 8/31/2020 11:24 PM | 0.5 | 1.1 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 11:30 PM | 0.5 | 1.1 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 11:36 PM | 0.5 | 1.1 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 11:42 PM | 0.5 | 1.2 | -0.6 | 1.2 | 0.0 |
| 8/31/2020 11:48 PM | 0.5 | 1.2 | -0.6 | 1.1 | 0.0 |
| 8/31/2020 11:54 PM | 0.5 | 1.2 | -0.6 | 1.1 | 0.0 |
| 9/1/2020 12:00 AM  | 0.4 | 1.2 | -0.6 | 1.1 | 0.0 |
| 9/1/2020 12:06 AM  | 0.4 | 1.2 | -0.6 | 1.1 | 0.0 |
| 9/1/2020 12:12 AM  | 0.4 | 1.2 | -0.6 | 1.1 | 0.0 |
| 9/1/2020 12:18 AM  | 0.5 | 1.3 | -0.6 | 1.1 | 0.0 |
| 9/1/2020 12:24 AM  | 0.4 | 1.3 | -0.6 | 1.0 | 0.0 |
| 9/1/2020 12:30 AM  | 0.4 | 1.3 | -0.6 | 1.0 | 0.0 |
| 9/1/2020 12:36 AM  | 0.5 | 1.3 | -0.6 | 1.0 | 0.0 |
| 9/1/2020 12:42 AM  | 0.5 | 1.3 | -0.6 | 1.0 | 0.0 |
| 9/1/2020 12:48 AM  | 0.5 | 1.3 | -0.6 | 1.0 | 0.0 |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 9/1/2020 12:54 AM | 0.5 | 1.3 | -0.6 | 1.0  | 0.0 |
| 9/1/2020 1:00 AM  | 0.4 | 1.3 | -0.6 | 1.0  | 0.0 |
| 9/1/2020 1:06 AM  | 0.4 | 1.3 | -0.6 | 1.0  | 0.0 |
| 9/1/2020 1:12 AM  | 0.4 | 1.3 | -0.6 | 1.0  | 0.0 |
| 9/1/2020 1:18 AM  | 0.7 | 1.3 | -0.6 | 0.3  | 0.0 |
| 9/1/2020 1:24 AM  | 0.8 | 1.3 | -0.6 | -0.6 | 0.0 |
| 9/1/2020 1:30 AM  | 0.6 | 1.3 | -0.6 | -0.7 | 0.0 |
| 9/1/2020 1:36 AM  | 0.5 | 1.4 | -0.6 | -0.7 | 0.0 |
| 9/1/2020 1:42 AM  | 0.5 | 1.4 | -0.6 | -0.7 | 0.0 |
| 9/1/2020 1:48 AM  | 0.4 | 1.4 | -0.6 | -0.7 | 0.0 |
| 9/1/2020 1:54 AM  | 0.4 | 1.4 | -0.6 | -0.7 | 0.0 |
| 9/1/2020 2:00 AM  | 0.4 | 1.4 | -0.6 | -0.7 | 0.0 |
| 9/1/2020 2:06 AM  | 0.3 | 1.4 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 2:12 AM  | 0.3 | 1.4 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 2:18 AM  | 0.3 | 1.4 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 2:24 AM  | 0.3 | 1.5 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 2:30 AM  | 0.3 | 1.5 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 2:36 AM  | 0.2 | 1.5 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 2:42 AM  | 0.2 | 1.5 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 2:48 AM  | 0.2 | 1.5 | -0.8 | -0.7 | 0.0 |
| 9/1/2020 2:54 AM  | 0.2 | 1.4 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 3:00 AM  | 0.2 | 1.4 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 3:06 AM  | 0.2 | 1.4 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 3:12 AM  | 0.2 | 1.3 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 3:18 AM  | 0.2 | 1.3 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 3:24 AM  | 0.2 | 1.4 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 3:30 AM  | 0.2 | 1.4 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 3:36 AM  | 0.2 | 1.4 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 3:42 AM  | 0.2 | 1.5 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 3:48 AM  | 0.2 | 1.5 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 3:54 AM  | 0.2 | 1.5 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 4:00 AM  | 0.2 | 1.6 | -0.7 | -0.7 | 0.0 |
| 9/1/2020 4:06 AM  | 0.2 | 1.6 | -0.8 | -0.7 | 0.0 |
| 9/1/2020 4:12 AM  | 0.2 | 1.7 | -0.8 | -0.7 | 0.0 |
| 9/1/2020 4:18 AM  | 0.3 | 1.9 | -0.8 | -0.7 | 0.0 |
| 9/1/2020 4:24 AM  | 0.2 | 2.0 | -0.8 | -0.7 | 0.0 |
| 9/1/2020 4:30 AM  | 0.2 | 2.1 | -0.8 | -0.7 | 0.1 |
| 9/1/2020 4:36 AM  | 0.2 | 2.1 | -0.8 | -0.7 | 0.1 |
| 9/1/2020 4:42 AM  | 0.2 | 2.0 | -0.8 | -0.7 | 0.1 |
| 9/1/2020 4:48 AM  | 0.2 | 2.0 | -0.8 | -0.7 | 0.1 |
| 9/1/2020 4:54 AM  | 0.2 | 1.9 | -0.8 | -0.7 | 0.1 |
| 9/1/2020 5:00 AM  | 0.2 | 1.8 | -0.8 | -0.7 | 0.1 |
| 9/1/2020 5:06 AM  | 0.2 | 1.7 | -0.8 | -0.7 | 0.1 |
| 9/1/2020 5:12 AM  | 0.2 | 1.6 | -0.7 | -0.6 | 0.1 |
| 9/1/2020 5:18 AM  | 0.2 | 1.6 | -0.7 | -0.6 | 0.1 |
| 9/1/2020 5:24 AM  | 0.2 | 1.6 | -0.7 | -0.6 | 0.1 |
| 9/1/2020 5:30 AM  | 0.2 | 1.6 | -0.7 | -0.6 | 0.1 |
| 9/1/2020 5:36 AM  | 0.2 | 1.5 | -0.7 | -0.6 | 0.1 |
| 9/1/2020 5:42 AM  | 0.2 | 1.6 | -0.7 | -0.6 | 0.2 |
| 9/1/2020 5:48 AM  | 0.4 | 1.6 | -0.7 | -0.6 | 0.2 |

|                   |     |     |      |      |      |
|-------------------|-----|-----|------|------|------|
| 9/1/2020 5:54 AM  | 0.5 | 1.6 | -0.7 | -0.6 | 4.8  |
| 9/1/2020 6:00 AM  | 0.3 | 1.6 | -0.7 | -0.6 | 14.1 |
| 9/1/2020 6:06 AM  | 0.3 | 1.7 | -0.7 | -0.6 | 13.2 |
| 9/1/2020 6:12 AM  | 0.3 | 1.8 | -0.8 | -0.6 | 10.6 |
| 9/1/2020 6:18 AM  | 0.3 | 1.9 | -0.8 | -0.6 | 8.7  |
| 9/1/2020 6:24 AM  | 0.3 | 1.9 | -0.8 | -0.6 | 6.1  |
| 9/1/2020 6:30 AM  | 0.3 | 2.0 | -0.8 | -0.6 | 6.1  |
| 9/1/2020 6:36 AM  | 0.4 | 2.1 | -0.8 | -0.6 | 6.6  |
| 9/1/2020 6:42 AM  | 0.3 | 2.1 | -0.8 | -0.7 | 6.7  |
| 9/1/2020 6:48 AM  | 0.3 | 2.3 | -0.9 | -0.7 | 7.1  |
| 9/1/2020 6:54 AM  | 0.3 | 2.3 | -0.9 | -0.7 | 7.6  |
| 9/1/2020 7:00 AM  | 0.3 | 2.4 | -0.9 | -0.7 | 7.4  |
| 9/1/2020 7:06 AM  | 0.3 | 2.5 | -0.9 | -0.7 | 6.7  |
| 9/1/2020 7:12 AM  | 0.3 | 2.5 | -0.9 | -0.7 | 5.8  |
| 9/1/2020 7:18 AM  | 0.3 | 2.4 | -0.9 | -0.7 | 5.3  |
| 9/1/2020 7:24 AM  | 0.4 | 2.4 | -0.9 | -0.7 | 5.1  |
| 9/1/2020 7:30 AM  | 0.4 | 2.4 | -0.9 | -0.7 | 4.8  |
| 9/1/2020 7:36 AM  | 0.3 | 2.3 | -0.9 | -0.7 | 4.8  |
| 9/1/2020 7:42 AM  | 0.3 | 2.3 | -0.9 | -0.7 | 5.0  |
| 9/1/2020 7:48 AM  | 0.3 | 2.2 | -0.8 | -0.7 | 5.2  |
| 9/1/2020 7:54 AM  | 0.3 | 2.2 | -0.8 | -0.7 | 5.0  |
| 9/1/2020 8:00 AM  | 0.3 | 2.2 | -0.8 | -0.7 | 4.7  |
| 9/1/2020 8:06 AM  | 0.3 | 2.2 | -0.8 | -0.7 | 4.4  |
| 9/1/2020 8:12 AM  | 0.3 | 2.2 | -0.8 | -0.7 | 4.3  |
| 9/1/2020 8:18 AM  | 0.3 | 2.1 | -0.8 | -0.7 | 4.4  |
| 9/1/2020 8:24 AM  | 0.4 | 2.1 | -0.8 | -0.7 | 4.4  |
| 9/1/2020 8:30 AM  | 0.4 | 2.2 | -0.8 | -0.7 | 4.5  |
| 9/1/2020 8:36 AM  | 0.4 | 2.2 | -0.8 | -0.7 | 4.6  |
| 9/1/2020 8:42 AM  | 0.4 | 2.3 | -0.8 | -0.7 | 4.4  |
| 9/1/2020 8:48 AM  | 0.5 | 2.4 | -0.8 | -0.7 | 4.3  |
| 9/1/2020 8:54 AM  | 0.6 | 2.5 | -0.8 | -0.7 | 4.4  |
| 9/1/2020 9:00 AM  | 0.6 | 2.6 | -0.9 | -0.7 | 4.4  |
| 9/1/2020 9:06 AM  | 0.4 | 2.7 | -0.9 | -0.7 | 3.8  |
| 9/1/2020 9:12 AM  | 0.3 | 2.9 | -0.9 | -0.7 | 2.5  |
| 9/1/2020 9:18 AM  | 0.4 | 2.9 | -0.9 | -0.7 | 2.2  |
| 9/1/2020 9:24 AM  | 0.4 | 3.0 | -1.0 | -0.7 | 2.4  |
| 9/1/2020 9:30 AM  | 0.5 | 3.0 | -1.0 | -0.7 | 2.6  |
| 9/1/2020 9:36 AM  | 0.5 | 2.9 | -0.9 | -0.7 | 2.5  |
| 9/1/2020 9:42 AM  | 0.6 | 2.9 | -0.9 | -0.7 | 2.5  |
| 9/1/2020 9:48 AM  | 0.6 | 2.8 | -0.9 | -0.7 | 2.5  |
| 9/1/2020 9:54 AM  | 0.6 | 2.6 | -0.9 | -0.7 | 2.5  |
| 9/1/2020 10:00 AM | 0.7 | 2.3 | -0.8 | -0.7 | 2.5  |
| 9/1/2020 10:06 AM | 0.7 | 2.2 | -0.8 | -0.7 | 2.6  |
| 9/1/2020 10:12 AM | 0.7 | 2.1 | -0.8 | -0.7 | 2.6  |
| 9/1/2020 10:18 AM | 0.7 | 2.1 | -0.8 | -0.7 | 2.6  |
| 9/1/2020 10:24 AM | 0.7 | 2.2 | -0.8 | -0.7 | 2.6  |
| 9/1/2020 10:30 AM | 0.7 | 2.3 | -0.8 | -0.7 | 2.6  |
| 9/1/2020 10:36 AM | 0.8 | 2.2 | -0.8 | -0.7 | 2.6  |
| 9/1/2020 10:42 AM | 0.8 | 2.2 | -0.8 | -0.7 | 2.6  |
| 9/1/2020 10:48 AM | 0.8 | 2.2 | -0.8 | -0.7 | 2.6  |

|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 9/1/2020 10:54 AM | 0.8 | 2.1 | -0.8 | -0.7 | 2.6 |
| 9/1/2020 11:00 AM | 0.8 | 1.7 | -0.7 | -0.7 | 2.7 |
| 9/1/2020 11:06 AM | 0.8 | 1.4 | -0.6 | -0.7 | 2.7 |
| 9/1/2020 11:12 AM | 0.8 | 1.3 | -0.5 | -0.7 | 2.7 |
| 9/1/2020 11:18 AM | 0.8 | 1.3 | -0.6 | -0.7 | 2.7 |
| 9/1/2020 11:24 AM | 0.8 | 1.4 | -0.6 | -0.7 | 2.7 |
| 9/1/2020 11:30 AM | 0.8 | 1.4 | -0.6 | -0.7 | 2.7 |
| 9/1/2020 11:36 AM | 0.8 | 1.6 | -0.7 | -0.7 | 2.7 |
| 9/1/2020 11:42 AM | 0.8 | 1.9 | -0.8 | -0.7 | 2.8 |
| 9/1/2020 11:48 AM | 0.8 | 2.3 | -0.9 | -0.7 | 2.7 |
| 9/1/2020 11:54 AM | 0.8 | 2.5 | -0.9 | -0.6 | 2.8 |
| 9/1/2020 12:00 PM | 0.7 | 2.6 | -0.9 | -0.7 | 2.9 |
| 9/1/2020 12:06 PM | 0.5 | 2.6 | -1.0 | -0.8 | 2.7 |
| 9/1/2020 12:12 PM | 0.5 | 2.7 | -1.0 | -0.8 | 2.8 |
| 9/1/2020 12:18 PM | 0.4 | 2.9 | -1.1 | -0.8 | 3.1 |
| 9/1/2020 12:24 PM | 0.0 | 3.1 | -1.1 | -0.9 | 3.6 |
| 9/1/2020 12:30 PM | 0.0 | 3.1 | -1.1 | -0.9 | 3.5 |
| 9/1/2020 12:36 PM | 0.0 | 2.9 | -1.1 | -0.9 | 3.4 |
| 9/1/2020 12:42 PM | 0.0 | 2.7 | -1.0 | -0.9 | 3.3 |
| 9/1/2020 12:48 PM | 0.0 | 2.5 | -1.0 | -0.9 | 3.3 |
| 9/1/2020 12:54 PM | 0.0 | 2.3 | -0.9 | -0.9 | 3.1 |
| 9/1/2020 1:00 PM  | 0.1 | 2.2 | -0.9 | -0.9 | 3.1 |
| 9/1/2020 1:06 PM  | 0.1 | 2.2 | -0.9 | -0.9 | 3.0 |
| 9/1/2020 1:12 PM  | 0.1 | 2.1 | -0.9 | -0.9 | 3.0 |
| 9/1/2020 1:18 PM  | 0.1 | 2.0 | -0.8 | -0.9 | 3.0 |
| 9/1/2020 1:24 PM  | 0.1 | 1.9 | -0.8 | -0.9 | 2.9 |
| 9/1/2020 1:30 PM  | 0.1 | 1.7 | -0.7 | -0.9 | 2.8 |
| 9/1/2020 1:36 PM  | 0.1 | 1.6 | -0.7 | -0.9 | 2.8 |
| 9/1/2020 1:42 PM  | 0.1 | 1.6 | -0.7 | -0.9 | 2.8 |
| 9/1/2020 1:48 PM  | 0.1 | 1.5 | -0.7 | -0.9 | 2.8 |
| 9/1/2020 1:54 PM  | 0.1 | 1.6 | -0.7 | -0.9 | 2.8 |
| 9/1/2020 2:00 PM  | 0.1 | 1.6 | -0.7 | -0.9 | 2.8 |
| 9/1/2020 2:06 PM  | 0.1 | 1.7 | -0.7 | -0.9 | 2.8 |
| 9/1/2020 2:12 PM  | 0.1 | 1.7 | -0.8 | -0.9 | 2.8 |
| 9/1/2020 2:18 PM  | 0.1 | 1.7 | -0.8 | -0.9 | 2.8 |
| 9/1/2020 2:24 PM  | 0.1 | 1.7 | -0.8 | -0.9 | 2.7 |
| 9/1/2020 2:30 PM  | 0.1 | 1.7 | -0.8 | -0.9 | 2.7 |
| 9/1/2020 2:36 PM  | 0.1 | 1.6 | -0.8 | -0.9 | 2.7 |
| 9/1/2020 2:42 PM  | 0.1 | 1.6 | -0.8 | -0.9 | 2.7 |
| 9/1/2020 2:48 PM  | 0.1 | 1.5 | -0.7 | -0.9 | 2.7 |
| 9/1/2020 2:54 PM  | 0.1 | 1.5 | -0.7 | -0.9 | 2.8 |
| 9/1/2020 3:00 PM  | 0.1 | 1.4 | -0.7 | -0.9 | 2.8 |
| 9/1/2020 3:06 PM  | 0.1 | 1.4 | -0.7 | -0.9 | 2.7 |
| 9/1/2020 3:12 PM  | 0.1 | 1.5 | -0.7 | -0.9 | 2.7 |
| 9/1/2020 3:18 PM  | 0.1 | 1.4 | -0.7 | -0.9 | 2.6 |
| 9/1/2020 3:24 PM  | 0.0 | 1.4 | -0.7 | -0.9 | 2.3 |
| 9/1/2020 3:30 PM  | 0.1 | 1.4 | -0.7 | -0.9 | 2.0 |
| 9/1/2020 3:36 PM  | 0.1 | 1.4 | -0.7 | -0.9 | 2.0 |
| 9/1/2020 3:42 PM  | 0.2 | 1.5 | -0.8 | -0.9 | 2.1 |
| 9/1/2020 3:48 PM  | 0.2 | 1.5 | -0.8 | -0.9 | 2.2 |

|                  |     |     |      |      |     |
|------------------|-----|-----|------|------|-----|
| 9/1/2020 3:54 PM | 0.2 | 1.6 | -0.8 | -0.9 | 2.2 |
| 9/1/2020 4:00 PM | 0.2 | 1.6 | -0.8 | -0.9 | 2.2 |
| 9/1/2020 4:06 PM | 0.2 | 1.6 | -0.8 | -0.9 | 2.2 |
| 9/1/2020 4:12 PM | 0.2 | 1.5 | -0.8 | -0.9 | 2.2 |
| 9/1/2020 4:18 PM | 0.2 | 1.5 | -0.7 | -0.9 | 2.2 |
| 9/1/2020 4:24 PM | 0.2 | 1.4 | -0.7 | -0.9 | 2.2 |
| 9/1/2020 4:30 PM | 0.2 | 1.2 | -0.7 | -0.9 | 2.3 |
| 9/1/2020 4:36 PM | 0.2 | 1.0 | -0.7 | -0.9 | 2.3 |
| 9/1/2020 4:42 PM | 0.2 | 0.9 | -0.7 | -0.8 | 2.3 |
| 9/1/2020 4:48 PM | 0.2 | 0.7 | -0.7 | -0.8 | 2.2 |
| 9/1/2020 4:54 PM | 0.2 | 0.6 | -0.7 | -0.8 | 2.2 |
| 9/1/2020 5:00 PM | 0.2 | 0.6 | -0.7 | -0.8 | 2.2 |
| 9/1/2020 5:06 PM | 0.2 | 0.6 | -0.7 | -0.8 | 2.3 |
| 9/1/2020 5:12 PM | 0.2 | 0.9 | -0.7 | -0.8 | 2.3 |
| 9/1/2020 5:18 PM | 0.2 | 1.1 | -0.7 | -0.8 | 2.3 |
| 9/1/2020 5:24 PM | 0.2 | 1.3 | -0.7 | -0.8 | 2.3 |
| 9/1/2020 5:30 PM | 0.2 | 1.4 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 5:36 PM | 0.2 | 1.5 | -0.8 | -0.8 | 2.4 |
| 9/1/2020 5:42 PM | 0.2 | 1.6 | -0.8 | -0.8 | 2.4 |
| 9/1/2020 5:48 PM | 0.2 | 1.7 | -0.8 | -0.8 | 2.4 |
| 9/1/2020 5:54 PM | 0.2 | 1.7 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 6:00 PM | 0.2 | 1.8 | -0.8 | -0.8 | 2.4 |
| 9/1/2020 6:06 PM | 0.2 | 1.8 | -0.8 | -0.8 | 2.4 |
| 9/1/2020 6:12 PM | 0.2 | 1.8 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 6:18 PM | 0.2 | 1.8 | -0.7 | -0.8 | 2.3 |
| 9/1/2020 6:24 PM | 0.2 | 1.8 | -0.7 | -0.8 | 2.3 |
| 9/1/2020 6:30 PM | 0.2 | 1.8 | -0.7 | -0.8 | 2.3 |
| 9/1/2020 6:36 PM | 0.1 | 1.8 | -0.7 | -0.8 | 2.3 |
| 9/1/2020 6:42 PM | 0.1 | 1.7 | -0.7 | -0.8 | 2.3 |
| 9/1/2020 6:48 PM | 0.1 | 1.7 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 6:54 PM | 0.1 | 1.7 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 7:00 PM | 0.1 | 1.7 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 7:06 PM | 0.1 | 1.7 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 7:12 PM | 0.1 | 1.7 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 7:18 PM | 0.1 | 1.7 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 7:24 PM | 0.1 | 1.7 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 7:30 PM | 0.1 | 1.8 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 7:36 PM | 0.1 | 1.8 | -0.7 | -0.8 | 2.5 |
| 9/1/2020 7:42 PM | 0.1 | 1.8 | -0.7 | -0.8 | 2.5 |
| 9/1/2020 7:48 PM | 0.1 | 1.8 | -0.7 | -0.8 | 2.5 |
| 9/1/2020 7:54 PM | 0.1 | 1.8 | -0.7 | -0.8 | 2.5 |
| 9/1/2020 8:00 PM | 0.1 | 1.8 | -0.7 | -0.8 | 2.5 |
| 9/1/2020 8:06 PM | 0.1 | 1.8 | -0.7 | -0.8 | 2.5 |
| 9/1/2020 8:12 PM | 0.1 | 1.8 | -0.7 | -0.8 | 2.5 |
| 9/1/2020 8:18 PM | 0.1 | 1.9 | -0.7 | -0.8 | 2.5 |
| 9/1/2020 8:24 PM | 0.1 | 1.9 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 8:30 PM | 0.2 | 1.9 | -0.7 | -0.8 | 2.5 |
| 9/1/2020 8:36 PM | 0.5 | 1.9 | -0.8 | -0.8 | 2.6 |
| 9/1/2020 8:42 PM | 0.5 | 2.0 | -0.8 | -0.8 | 2.6 |
| 9/1/2020 8:48 PM | 0.4 | 2.0 | -0.8 | -0.8 | 2.6 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 9/1/2020 8:54 PM  | 0.3  | 2.0 | -0.8 | -0.8 | 2.6 |
| 9/1/2020 9:00 PM  | 0.2  | 2.0 | -0.8 | -0.8 | 2.6 |
| 9/1/2020 9:06 PM  | 0.1  | 2.0 | -0.8 | -0.8 | 2.5 |
| 9/1/2020 9:12 PM  | 0.0  | 2.0 | -0.8 | -0.8 | 2.5 |
| 9/1/2020 9:18 PM  | 0.0  | 2.0 | -0.8 | -0.8 | 2.5 |
| 9/1/2020 9:24 PM  | 0.0  | 2.0 | -0.7 | -0.8 | 2.5 |
| 9/1/2020 9:30 PM  | 0.0  | 2.0 | -0.7 | -0.8 | 2.5 |
| 9/1/2020 9:36 PM  | -0.1 | 2.0 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 9:42 PM  | 0.0  | 2.0 | -0.8 | -0.8 | 2.4 |
| 9/1/2020 9:48 PM  | -0.1 | 2.1 | -0.8 | -0.8 | 2.4 |
| 9/1/2020 9:54 PM  | -0.1 | 2.1 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 10:00 PM | -0.1 | 2.1 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 10:06 PM | 0.0  | 2.1 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 10:12 PM | 0.0  | 2.0 | -0.7 | -0.7 | 2.4 |
| 9/1/2020 10:18 PM | 0.0  | 2.0 | -0.7 | -0.7 | 2.4 |
| 9/1/2020 10:24 PM | 0.0  | 2.1 | -0.7 | -0.7 | 2.4 |
| 9/1/2020 10:30 PM | 0.0  | 2.1 | -0.7 | -0.8 | 2.4 |
| 9/1/2020 10:36 PM | 0.0  | 2.2 | -0.7 | -0.7 | 2.4 |
| 9/1/2020 10:42 PM | 0.0  | 2.2 | -0.7 | -0.7 | 2.4 |
| 9/1/2020 10:48 PM | -0.1 | 2.2 | -0.7 | -0.7 | 2.4 |
| 9/1/2020 10:54 PM | 0.0  | 2.2 | -0.7 | -0.7 | 2.4 |
| 9/1/2020 11:00 PM | 0.0  | 2.2 | -0.7 | -0.7 | 2.4 |
| 9/1/2020 11:06 PM | 0.0  | 2.3 | -0.8 | -0.7 | 2.4 |
| 9/1/2020 11:12 PM | -0.1 | 2.3 | -0.8 | -0.8 | 2.4 |
| 9/1/2020 11:18 PM | -0.1 | 2.3 | -0.8 | -0.7 | 2.4 |
| 9/1/2020 11:24 PM | -0.1 | 2.3 | -0.8 | -0.7 | 2.4 |
| 9/1/2020 11:30 PM | -0.1 | 2.3 | -0.8 | -0.7 | 2.4 |
| 9/1/2020 11:36 PM | 0.0  | 2.3 | -0.8 | -0.8 | 1.8 |
| 9/1/2020 11:42 PM | 0.1  | 2.3 | -0.8 | -0.7 | 0.5 |
| 9/1/2020 11:48 PM | 0.1  | 2.3 | -0.8 | -0.7 | 0.0 |
| 9/1/2020 11:54 PM | 0.1  | 2.3 | -0.8 | -0.7 | 0.0 |
| 9/2/2020 12:00 AM | 0.1  | 2.3 | -0.8 | -0.7 | 0.0 |
| 9/2/2020 12:06 AM | 0.1  | 2.3 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 12:12 AM | 0.0  | 2.3 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 12:18 AM | 0.0  | 2.3 | -0.7 | -0.8 | 0.0 |
| 9/2/2020 12:24 AM | 0.0  | 2.2 | -0.7 | -0.8 | 0.0 |
| 9/2/2020 12:30 AM | 0.0  | 2.2 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 12:36 AM | 0.0  | 2.2 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 12:42 AM | 0.0  | 2.1 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 12:48 AM | 0.0  | 2.1 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 12:54 AM | -0.1 | 2.1 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 1:00 AM  | -0.1 | 2.0 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 1:06 AM  | 0.0  | 2.0 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 1:12 AM  | 0.0  | 1.9 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 1:18 AM  | 0.0  | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 1:24 AM  | 0.1  | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 1:30 AM  | 0.1  | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 1:36 AM  | 0.1  | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 1:42 AM  | 0.1  | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 1:48 AM  | 0.1  | 1.7 | -0.6 | -0.7 | 0.0 |

|                  |     |     |      |      |     |
|------------------|-----|-----|------|------|-----|
| 9/2/2020 1:54 AM | 0.1 | 1.7 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 2:00 AM | 0.2 | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 2:06 AM | 0.2 | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 2:12 AM | 0.2 | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 2:18 AM | 0.2 | 1.8 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 2:24 AM | 0.2 | 1.9 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 2:30 AM | 0.2 | 1.9 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 2:36 AM | 0.2 | 1.9 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 2:42 AM | 0.3 | 1.9 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 2:48 AM | 0.3 | 1.9 | -0.7 | -0.7 | 0.0 |
| 9/2/2020 2:54 AM | 0.3 | 1.9 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 3:00 AM | 0.3 | 1.9 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 3:06 AM | 0.3 | 1.9 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 3:12 AM | 0.3 | 1.9 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 3:18 AM | 0.3 | 1.9 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 3:24 AM | 0.2 | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 3:30 AM | 0.2 | 1.7 | -0.6 | -0.7 | 0.1 |
| 9/2/2020 3:36 AM | 0.2 | 1.7 | -0.6 | -0.7 | 0.1 |
| 9/2/2020 3:42 AM | 0.2 | 1.7 | -0.6 | -0.7 | 0.1 |
| 9/2/2020 3:48 AM | 0.2 | 1.7 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 3:54 AM | 0.2 | 1.7 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 4:00 AM | 0.2 | 1.7 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 4:06 AM | 0.2 | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 4:12 AM | 0.2 | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 4:18 AM | 0.2 | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 4:24 AM | 0.2 | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 4:30 AM | 0.2 | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 4:36 AM | 0.2 | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 4:42 AM | 0.2 | 1.8 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 4:48 AM | 0.1 | 1.9 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 4:54 AM | 0.1 | 1.9 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 5:00 AM | 0.1 | 1.9 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 5:06 AM | 0.1 | 1.9 | -0.6 | -0.7 | 0.0 |
| 9/2/2020 5:12 AM | 0.1 | 1.9 | -0.6 | -0.7 | 0.1 |
| 9/2/2020 5:18 AM | 0.1 | 2.0 | -0.6 | -0.6 | 0.1 |
| 9/2/2020 5:24 AM | 0.1 | 2.0 | -0.6 | -0.6 | 0.1 |
| 9/2/2020 5:30 AM | 0.1 | 2.1 | -0.6 | -0.6 | 0.1 |
| 9/2/2020 5:36 AM | 0.1 | 2.1 | -0.6 | -0.6 | 0.1 |
| 9/2/2020 5:42 AM | 0.1 | 2.1 | -0.6 | -0.6 | 0.1 |
| 9/2/2020 5:48 AM | 0.1 | 2.1 | -0.6 | -0.6 | 0.1 |
| 9/2/2020 5:54 AM | 0.2 | 2.1 | -0.6 | -0.6 | 0.1 |
| 9/2/2020 6:00 AM | 0.2 | 2.1 | -0.7 | -0.6 | 0.1 |
| 9/2/2020 6:06 AM | 0.2 | 2.1 | -0.7 | -0.7 | 0.1 |
| 9/2/2020 6:12 AM | 0.2 | 2.1 | -0.7 | -0.6 | 0.1 |
| 9/2/2020 6:18 AM | 0.2 | 2.1 | -0.7 | -0.6 | 0.1 |
| 9/2/2020 6:24 AM | 0.3 | 2.2 | -0.7 | -0.6 | 0.1 |
| 9/2/2020 6:30 AM | 0.3 | 2.2 | -0.7 | -0.6 | 0.1 |
| 9/2/2020 6:36 AM | 0.3 | 2.2 | -0.7 | -0.6 | 0.1 |
| 9/2/2020 6:42 AM | 0.3 | 2.2 | -0.7 | -0.6 | 0.1 |
| 9/2/2020 6:48 AM | 0.3 | 2.2 | -0.7 | -0.6 | 0.1 |



|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 9/2/2020 6:54 AM  | 0.3 | 2.2 | -0.7 | -0.6 | 0.1 |
| 9/2/2020 7:00 AM  | 0.3 | 2.2 | -0.7 | -0.6 | 3.0 |
| 9/2/2020 7:06 AM  | 0.3 | 2.2 | -0.7 | -0.6 | 8.5 |
| 9/2/2020 7:12 AM  | 0.3 | 2.3 | -0.7 | -0.6 | 8.6 |
| 9/2/2020 7:18 AM  | 0.3 | 2.3 | -0.7 | -0.6 | 7.1 |
| 9/2/2020 7:24 AM  | 0.3 | 2.3 | -0.7 | -0.6 | 6.7 |
| 9/2/2020 7:30 AM  | 0.3 | 2.3 | -0.7 | -0.6 | 6.2 |
| 9/2/2020 7:36 AM  | 0.3 | 2.3 | -0.7 | 0.2  | 6.1 |
| 9/2/2020 7:42 AM  | 0.3 | 2.3 | -0.7 | 1.1  | 6.3 |
| 9/2/2020 7:48 AM  | 0.3 | 2.3 | -0.8 | 0.7  | 5.8 |
| 9/2/2020 7:54 AM  | 0.3 | 2.4 | -0.8 | 0.1  | 5.0 |
| 9/2/2020 8:00 AM  | 0.3 | 2.4 | -0.8 | -0.4 | 4.2 |
| 9/2/2020 8:06 AM  | 0.3 | 2.4 | -0.8 | -0.5 | 3.9 |
| 9/2/2020 8:12 AM  | 0.3 | 2.4 | -0.8 | -0.6 | 3.6 |
| 9/2/2020 8:18 AM  | 0.3 | 2.4 | -0.8 | -0.6 | 3.5 |
| 9/2/2020 8:24 AM  | 0.3 | 2.4 | -0.8 | -0.7 | 3.4 |
| 9/2/2020 8:30 AM  | 0.3 | 2.5 | -0.8 | -0.7 | 3.4 |
| 9/2/2020 8:36 AM  | 0.3 | 2.5 | -0.8 | -0.7 | 3.4 |
| 9/2/2020 8:42 AM  | 0.3 | 2.5 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 8:48 AM  | 0.3 | 2.5 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 8:54 AM  | 0.3 | 2.6 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 9:00 AM  | 0.4 | 2.6 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 9:06 AM  | 0.4 | 2.6 | -0.8 | -0.7 | 3.2 |
| 9/2/2020 9:12 AM  | 0.4 | 2.6 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 9:18 AM  | 0.4 | 2.7 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 9:24 AM  | 0.4 | 2.7 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 9:30 AM  | 0.4 | 2.8 | -0.8 | -0.7 | 3.4 |
| 9/2/2020 9:36 AM  | 0.4 | 2.8 | -0.8 | -0.7 | 3.5 |
| 9/2/2020 9:42 AM  | 0.3 | 2.8 | -0.8 | -0.7 | 3.6 |
| 9/2/2020 9:48 AM  | 0.1 | 2.8 | -0.8 | -0.7 | 3.6 |
| 9/2/2020 9:54 AM  | 0.1 | 2.8 | -0.8 | -0.7 | 3.5 |
| 9/2/2020 10:00 AM | 0.1 | 2.8 | -0.8 | -0.7 | 3.4 |
| 9/2/2020 10:06 AM | 0.1 | 2.9 | -0.8 | -0.7 | 3.4 |
| 9/2/2020 10:12 AM | 0.1 | 3.0 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 10:18 AM | 0.1 | 3.1 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 10:24 AM | 0.1 | 3.3 | -0.8 | -0.7 | 3.2 |
| 9/2/2020 10:30 AM | 0.1 | 3.4 | -0.8 | -0.7 | 3.2 |
| 9/2/2020 10:36 AM | 0.1 | 3.4 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 10:42 AM | 0.1 | 3.4 | -0.8 | -0.7 | 3.4 |
| 9/2/2020 10:48 AM | 0.1 | 3.4 | -0.8 | -0.7 | 3.4 |
| 9/2/2020 10:54 AM | 0.1 | 3.4 | -0.8 | -0.7 | 3.4 |
| 9/2/2020 11:00 AM | 0.1 | 3.3 | -0.8 | -0.7 | 3.4 |
| 9/2/2020 11:06 AM | 0.1 | 3.3 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 11:12 AM | 0.1 | 3.2 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 11:18 AM | 0.1 | 3.3 | -0.8 | -0.7 | 3.3 |
| 9/2/2020 11:24 AM | 0.1 | 3.3 | -0.9 | -0.7 | 3.3 |
| 9/2/2020 11:30 AM | 0.1 | 3.4 | -0.9 | -0.7 | 3.3 |
| 9/2/2020 11:36 AM | 0.1 | 3.5 | -0.9 | -0.7 | 3.3 |
| 9/2/2020 11:42 AM | 0.1 | 3.5 | -0.9 | -0.7 | 3.2 |
| 9/2/2020 11:48 AM | 0.4 | 3.5 | -0.9 | -0.7 | 3.2 |



|                   |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| 9/2/2020 11:54 AM | 0.5 | 3.4 | -0.9 | -0.7 | 3.2 |
| 9/2/2020 12:00 PM | 0.4 | 3.3 | -1.0 | -0.7 | 3.0 |
| 9/2/2020 12:06 PM | 0.1 | 3.2 | -1.1 | -0.8 | 2.5 |
| 9/2/2020 12:12 PM | 0.1 | 3.1 | -1.1 | -0.8 | 2.6 |
| 9/2/2020 12:18 PM | 0.2 | 3.0 | -1.1 | -0.8 | 2.7 |
| 9/2/2020 12:24 PM | 0.2 | 3.0 | -1.1 | -0.8 | 2.7 |
| 9/2/2020 12:30 PM | 0.2 | 3.1 | -1.1 | -0.8 | 2.7 |
| 9/2/2020 12:36 PM | 0.2 | 3.1 | -1.1 | -0.8 | 2.7 |
| 9/2/2020 12:42 PM | 0.2 | 3.1 | -1.1 | -0.8 | 2.7 |
| 9/2/2020 12:48 PM | 0.2 | 3.0 | -1.1 | -0.8 | 2.7 |
| 9/2/2020 12:54 PM | 0.2 | 2.9 | -1.1 | -0.8 | 2.7 |
| 9/2/2020 1:00 PM  | 0.5 | 2.8 | -1.1 | -0.8 | 2.7 |
| 9/2/2020 1:06 PM  | 0.7 | 2.8 | -1.1 | -0.8 | 2.7 |
| 9/2/2020 1:12 PM  | 0.7 | 2.9 | -1.1 | -0.8 | 2.7 |
| 9/2/2020 1:18 PM  | 0.7 | 2.9 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 1:24 PM  | 0.7 | 2.9 | -1.0 | -0.8 | 2.6 |
| 9/2/2020 1:30 PM  | 0.4 | 2.9 | -1.0 | -0.8 | 2.6 |
| 9/2/2020 1:36 PM  | 0.2 | 2.9 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 1:42 PM  | 0.2 | 2.9 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 1:48 PM  | 0.2 | 2.9 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 1:54 PM  | 0.2 | 2.8 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 2:00 PM  | 0.2 | 2.7 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 2:06 PM  | 0.2 | 2.7 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 2:12 PM  | 0.2 | 2.6 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 2:18 PM  | 0.2 | 2.6 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 2:24 PM  | 0.3 | 2.6 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 2:30 PM  | 0.3 | 2.6 | -1.0 | -0.8 | 2.6 |
| 9/2/2020 2:36 PM  | 0.3 | 2.6 | -1.0 | -0.8 | 2.5 |
| 9/2/2020 2:42 PM  | 0.3 | 2.6 | -1.0 | -0.8 | 2.5 |
| 9/2/2020 2:48 PM  | 0.3 | 2.5 | -1.0 | -0.8 | 2.5 |
| 9/2/2020 2:54 PM  | 0.3 | 2.5 | -1.0 | -0.8 | 2.5 |
| 9/2/2020 3:00 PM  | 0.3 | 2.5 | -1.0 | -0.8 | 2.5 |
| 9/2/2020 3:06 PM  | 0.3 | 2.5 | -1.0 | -0.8 | 2.6 |
| 9/2/2020 3:12 PM  | 0.3 | 2.5 | -1.0 | -0.8 | 2.6 |
| 9/2/2020 3:18 PM  | 0.3 | 2.5 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 3:24 PM  | 0.3 | 2.5 | -1.0 | -0.8 | 2.6 |
| 9/2/2020 3:30 PM  | 0.3 | 2.4 | -1.0 | -0.8 | 2.6 |
| 9/2/2020 3:36 PM  | 0.3 | 2.4 | -1.0 | -0.8 | 2.6 |
| 9/2/2020 3:42 PM  | 0.3 | 2.3 | -0.9 | -0.8 | 2.6 |
| 9/2/2020 3:48 PM  | 0.3 | 2.3 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 3:54 PM  | 0.3 | 2.3 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 4:00 PM  | 0.3 | 2.3 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 4:06 PM  | 0.3 | 2.3 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 4:12 PM  | 0.3 | 2.3 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 4:18 PM  | 0.3 | 2.3 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 4:24 PM  | 0.3 | 2.3 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 4:30 PM  | 0.3 | 2.3 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 4:36 PM  | 0.3 | 2.3 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 4:42 PM  | 0.3 | 2.3 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 4:48 PM  | 0.3 | 2.3 | -1.0 | -0.8 | 2.7 |

|                  |     |     |      |      |     |
|------------------|-----|-----|------|------|-----|
| 9/2/2020 4:54 PM | 0.3 | 2.2 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 5:00 PM | 0.3 | 2.2 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 5:06 PM | 0.3 | 2.1 | -1.0 | -0.8 | 2.7 |
| 9/2/2020 5:12 PM | 0.3 | 1.9 | -1.0 | -0.8 | 2.8 |
| 9/2/2020 5:18 PM | 0.3 | 1.8 | -1.0 | -0.8 | 2.8 |
| 9/2/2020 5:24 PM | 0.3 | 1.7 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 5:30 PM | 0.3 | 1.6 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 5:36 PM | 0.3 | 1.4 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 5:42 PM | 0.3 | 1.3 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 5:48 PM | 0.3 | 1.2 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 5:54 PM | 0.3 | 1.2 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 6:00 PM | 0.3 | 1.1 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 6:06 PM | 0.3 | 1.2 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 6:12 PM | 0.3 | 1.3 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 6:18 PM | 0.3 | 1.4 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 6:24 PM | 0.3 | 1.4 | -0.9 | -0.8 | 2.8 |
| 9/2/2020 6:30 PM | 0.3 | 1.5 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 6:36 PM | 0.3 | 1.5 | -0.8 | -0.8 | 2.7 |
| 9/2/2020 6:42 PM | 0.3 | 1.6 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 6:48 PM | 0.3 | 1.6 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 6:54 PM | 0.3 | 1.6 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 7:00 PM | 0.3 | 1.6 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 7:06 PM | 0.3 | 1.6 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 7:12 PM | 0.3 | 1.6 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 7:18 PM | 0.3 | 1.6 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 7:24 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 7:30 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 7:36 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 7:42 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 7:48 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.9 |
| 9/2/2020 7:54 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.9 |
| 9/2/2020 8:00 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 8:06 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 8:12 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 8:18 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.7 |
| 9/2/2020 8:24 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 8:30 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 8:36 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.7 |
| 9/2/2020 8:42 PM | 0.3 | 1.7 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 8:48 PM | 0.3 | 1.8 | -0.8 | -0.8 | 2.7 |
| 9/2/2020 8:54 PM | 0.3 | 1.8 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 9:00 PM | 0.3 | 1.8 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 9:06 PM | 0.3 | 1.8 | -0.8 | -0.8 | 2.7 |
| 9/2/2020 9:12 PM | 0.3 | 1.8 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 9:18 PM | 0.3 | 1.8 | -0.9 | -0.8 | 2.8 |
| 9/2/2020 9:24 PM | 0.3 | 1.9 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 9:30 PM | 0.3 | 1.9 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 9:36 PM | 0.3 | 1.9 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 9:42 PM | 0.3 | 1.9 | -0.8 | -0.8 | 2.7 |
| 9/2/2020 9:48 PM | 0.3 | 1.9 | -0.8 | -0.8 | 2.8 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 9/2/2020 9:54 PM  | 0.3  | 1.9 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 10:00 PM | 0.3  | 1.9 | -0.8 | -0.8 | 2.8 |
| 9/2/2020 10:06 PM | 0.3  | 1.9 | -0.8 | -0.8 | 2.7 |
| 9/2/2020 10:12 PM | 0.3  | 1.9 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 10:18 PM | 0.3  | 1.9 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 10:24 PM | 0.3  | 1.9 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 10:30 PM | 0.3  | 1.9 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 10:36 PM | 0.3  | 1.9 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 10:42 PM | 0.3  | 2.0 | -0.9 | -0.8 | 2.7 |
| 9/2/2020 10:48 PM | 0.3  | 2.1 | -1.0 | -0.8 | 2.8 |
| 9/2/2020 10:54 PM | 0.3  | 2.3 | -1.0 | -0.8 | 2.8 |
| 9/2/2020 11:00 PM | 0.3  | 2.5 | -1.1 | -0.8 | 2.7 |
| 9/2/2020 11:06 PM | 0.3  | 2.8 | -1.1 | -0.7 | 2.7 |
| 9/2/2020 11:12 PM | 0.3  | 2.9 | -1.1 | -0.7 | 2.7 |
| 9/2/2020 11:18 PM | 0.3  | 2.9 | -1.1 | -0.7 | 2.8 |
| 9/2/2020 11:24 PM | 0.3  | 2.9 | -1.1 | -0.7 | 2.9 |
| 9/2/2020 11:30 PM | 0.3  | 2.9 | -1.1 | -0.7 | 2.9 |
| 9/2/2020 11:36 PM | 0.3  | 2.9 | -1.1 | -0.7 | 2.8 |
| 9/2/2020 11:42 PM | 0.3  | 2.8 | -1.1 | -0.7 | 2.8 |
| 9/2/2020 11:48 PM | 0.3  | 2.8 | -1.1 | -0.7 | 2.8 |
| 9/2/2020 11:54 PM | 0.3  | 2.8 | -1.0 | -0.8 | 2.8 |
| 9/3/2020 12:00 AM | 0.3  | 2.8 | -1.0 | -0.8 | 2.9 |
| 9/3/2020 12:06 AM | 0.3  | 2.7 | -1.0 | -0.8 | 2.9 |
| 9/3/2020 12:12 AM | 0.3  | 2.7 | -1.0 | -0.8 | 2.9 |
| 9/3/2020 12:18 AM | 0.3  | 2.7 | -1.0 | -0.8 | 2.9 |
| 9/3/2020 12:24 AM | 0.3  | 2.7 | -1.0 | -0.8 | 2.8 |
| 9/3/2020 12:30 AM | 0.3  | 2.7 | -1.0 | -0.8 | 2.8 |
| 9/3/2020 12:36 AM | 0.3  | 2.7 | -1.0 | -0.8 | 2.8 |
| 9/3/2020 12:42 AM | 0.3  | 2.7 | -1.0 | -0.8 | 2.9 |
| 9/3/2020 12:48 AM | 0.3  | 2.6 | -1.0 | -0.8 | 2.9 |
| 9/3/2020 12:54 AM | 0.3  | 2.6 | -1.0 | -0.8 | 2.8 |
| 9/3/2020 1:00 AM  | 0.3  | 2.5 | -1.0 | -0.8 | 2.8 |
| 9/3/2020 1:06 AM  | 0.3  | 2.4 | -1.0 | -0.8 | 2.8 |
| 9/3/2020 1:12 AM  | 0.3  | 2.4 | -1.0 | -0.8 | 2.9 |
| 9/3/2020 1:18 AM  | 0.3  | 2.3 | -1.0 | -0.8 | 2.8 |
| 9/3/2020 1:24 AM  | 0.3  | 2.3 | -0.9 | -0.8 | 2.8 |
| 9/3/2020 1:30 AM  | 0.3  | 2.3 | -0.9 | -0.8 | 2.8 |
| 9/3/2020 1:36 AM  | 0.3  | 2.2 | -0.9 | -0.8 | 2.8 |
| 9/3/2020 1:42 AM  | 0.3  | 2.2 | -0.9 | -0.8 | 2.8 |
| 9/3/2020 1:48 AM  | 0.3  | 2.2 | -0.9 | -0.8 | 2.8 |
| 9/3/2020 1:54 AM  | 0.2  | 2.2 | -0.9 | -0.8 | 3.2 |
| 9/3/2020 2:00 AM  | -0.2 | 2.2 | -0.9 | -0.8 | 3.5 |
| 9/3/2020 2:06 AM  | -0.4 | 2.2 | -0.9 | -0.8 | 3.2 |
| 9/3/2020 2:12 AM  | -0.4 | 2.2 | -0.9 | -0.8 | 3.1 |
| 9/3/2020 2:18 AM  | -0.4 | 2.2 | -0.9 | -0.8 | 3.0 |
| 9/3/2020 2:24 AM  | -0.4 | 2.2 | -0.9 | -0.8 | 3.1 |
| 9/3/2020 2:30 AM  | -0.4 | 2.2 | -0.9 | -0.8 | 3.1 |
| 9/3/2020 2:36 AM  | -0.4 | 2.2 | -0.9 | -0.8 | 3.1 |
| 9/3/2020 2:42 AM  | -0.4 | 2.2 | -0.9 | -0.8 | 3.1 |
| 9/3/2020 2:48 AM  | -0.4 | 2.1 | -0.9 | -0.8 | 3.1 |

|                  |      |     |      |      |     |
|------------------|------|-----|------|------|-----|
| 9/3/2020 2:54 AM | -0.4 | 2.1 | -0.9 | -0.8 | 3.3 |
| 9/3/2020 3:00 AM | -0.4 | 2.1 | -0.9 | -0.8 | 3.3 |
| 9/3/2020 3:06 AM | -0.4 | 2.1 | -0.9 | -0.8 | 3.2 |
| 9/3/2020 3:12 AM | -0.4 | 2.1 | -0.9 | -0.8 | 3.2 |
| 9/3/2020 3:18 AM | -0.4 | 2.0 | -0.9 | -0.8 | 3.2 |
| 9/3/2020 3:24 AM | -0.4 | 2.0 | -0.9 | -0.8 | 3.2 |
| 9/3/2020 3:30 AM | -0.4 | 2.0 | -0.9 | -0.7 | 3.2 |
| 9/3/2020 3:36 AM | -0.4 | 1.9 | -0.9 | -0.7 | 3.2 |
| 9/3/2020 3:42 AM | -0.3 | 1.9 | -0.8 | -0.7 | 3.1 |
| 9/3/2020 3:48 AM | -0.4 | 1.9 | -0.8 | -0.7 | 3.0 |
| 9/3/2020 3:54 AM | -0.4 | 1.8 | -0.8 | -0.8 | 3.0 |
| 9/3/2020 4:00 AM | -0.4 | 1.8 | -0.8 | -0.8 | 3.0 |
| 9/3/2020 4:06 AM | -0.4 | 1.8 | -0.8 | -0.8 | 3.0 |
| 9/3/2020 4:12 AM | -0.4 | 1.7 | -0.8 | -0.8 | 3.0 |
| 9/3/2020 4:18 AM | -0.4 | 1.7 | -0.8 | -0.8 | 2.9 |
| 9/3/2020 4:24 AM | -0.4 | 1.7 | -0.8 | -0.8 | 2.9 |
| 9/3/2020 4:30 AM | -0.4 | 1.7 | -0.8 | -0.8 | 2.9 |
| 9/3/2020 4:36 AM | -0.4 | 1.7 | -0.8 | -0.7 | 3.0 |
| 9/3/2020 4:42 AM | -0.4 | 1.6 | -0.8 | -0.7 | 3.0 |
| 9/3/2020 4:48 AM | -0.4 | 1.6 | -0.8 | -0.7 | 3.0 |
| 9/3/2020 4:54 AM | -0.4 | 1.6 | -0.9 | -0.8 | 3.0 |
| 9/3/2020 5:00 AM | -0.4 | 1.6 | -0.9 | -0.8 | 3.0 |
| 9/3/2020 5:06 AM | -0.4 | 1.6 | -0.9 | -0.8 | 3.2 |
| 9/3/2020 5:12 AM | -0.4 | 1.6 | -0.9 | -0.8 | 3.4 |
| 9/3/2020 5:18 AM | -0.4 | 1.5 | -0.9 | -0.8 | 3.2 |
| 9/3/2020 5:24 AM | -0.5 | 1.5 | -0.9 | -0.8 | 3.2 |
| 9/3/2020 5:30 AM | -0.5 | 1.5 | -0.9 | -0.8 | 3.1 |
| 9/3/2020 5:36 AM | -0.4 | 1.4 | -0.8 | -0.8 | 3.1 |
| 9/3/2020 5:42 AM | -0.4 | 1.4 | -0.8 | -0.8 | 3.2 |
| 9/3/2020 5:48 AM | -0.4 | 1.5 | -0.8 | -0.8 | 3.2 |
| 9/3/2020 5:54 AM | -0.4 | 1.5 | -0.8 | -0.8 | 3.2 |
| 9/3/2020 6:00 AM | -0.4 | 1.5 | -0.8 | -0.8 | 3.1 |
| 9/3/2020 6:06 AM | -0.4 | 1.5 | -0.8 | -0.8 | 3.1 |
| 9/3/2020 6:12 AM | -0.5 | 1.5 | -0.8 | -0.8 | 3.6 |
| 9/3/2020 6:18 AM | -0.5 | 1.5 | -0.8 | -0.8 | 4.1 |
| 9/3/2020 6:24 AM | -0.5 | 1.5 | -0.9 | -0.8 | 4.0 |
| 9/3/2020 6:30 AM | -0.5 | 1.6 | -0.9 | -0.8 | 3.9 |
| 9/3/2020 6:36 AM | -0.4 | 1.6 | -0.9 | -0.8 | 3.9 |
| 9/3/2020 6:42 AM | -0.4 | 1.7 | -0.9 | -0.8 | 3.9 |
| 9/3/2020 6:48 AM | -0.4 | 1.8 | -1.0 | -0.8 | 3.8 |
| 9/3/2020 6:54 AM | -0.5 | 2.0 | -1.0 | -0.8 | 3.9 |
| 9/3/2020 7:00 AM | -0.5 | 2.2 | -1.0 | -0.8 | 4.0 |
| 9/3/2020 7:06 AM | -0.5 | 2.2 | -1.1 | -0.8 | 3.8 |
| 9/3/2020 7:12 AM | -0.5 | 2.3 | -1.1 | -0.8 | 3.7 |
| 9/3/2020 7:18 AM | -0.4 | 2.3 | -1.1 | 17.9 | 2.7 |
| 9/3/2020 7:24 AM | -0.4 | 2.3 | -1.2 | 26.4 | 0.7 |
| 9/3/2020 7:30 AM | -0.5 | 2.3 | -1.2 | 13.1 | 2.1 |
| 9/3/2020 7:36 AM | -0.4 | 2.2 | -1.2 | 4.9  | 3.5 |
| 9/3/2020 7:42 AM | -0.4 | 2.2 | -1.2 | 2.6  | 2.6 |
| 9/3/2020 7:48 AM | -0.4 | 2.2 | -1.2 | 1.7  | 2.5 |

|                   |      |      |      |      |      |
|-------------------|------|------|------|------|------|
| 9/3/2020 7:54 AM  | -0.4 | 2.1  | -1.2 | 1.5  | 2.7  |
| 9/3/2020 8:00 AM  | -0.4 | 1.9  | -1.2 | 1.5  | 3.2  |
| 9/3/2020 8:06 AM  | -0.4 | 1.8  | -1.2 | 1.5  | 2.8  |
| 9/3/2020 8:12 AM  | -0.4 | 1.7  | -1.1 | 1.6  | 2.3  |
| 9/3/2020 8:18 AM  | -0.4 | 1.6  | -1.1 | 0.9  | 2.3  |
| 9/3/2020 8:24 AM  | -0.4 | 1.5  | -1.1 | -0.5 | 2.3  |
| 9/3/2020 8:30 AM  | -0.4 | 1.5  | -1.1 | -1.0 | 2.4  |
| 9/3/2020 8:36 AM  | -0.4 | 1.5  | -1.1 | -1.0 | 2.5  |
| 9/3/2020 8:42 AM  | -0.4 | 1.5  | -1.1 | -1.0 | 2.5  |
| 9/3/2020 8:48 AM  | -0.4 | 1.5  | -1.1 | -1.0 | 2.4  |
| 9/3/2020 8:54 AM  | -0.4 | 1.5  | -1.1 | -1.0 | 2.5  |
| 9/3/2020 9:00 AM  | -0.4 | 1.5  | -1.1 | -1.0 | 2.5  |
| 9/3/2020 9:06 AM  | -0.4 | 1.5  | -1.1 | -1.0 | 2.4  |
| 9/3/2020 9:12 AM  | -0.4 | 1.5  | -1.1 | -1.0 | 2.4  |
| 9/3/2020 9:18 AM  | -0.4 | 1.5  | -1.1 | -1.0 | 2.4  |
| 9/3/2020 9:24 AM  | -0.4 | 1.4  | -1.1 | -1.0 | 2.4  |
| 9/3/2020 9:30 AM  | -0.4 | 1.2  | -1.1 | -1.0 | 2.4  |
| 9/3/2020 9:36 AM  | -0.3 | 1.0  | -1.1 | -1.0 | 2.4  |
| 9/3/2020 9:42 AM  | -0.4 | 1.0  | -1.1 | -1.0 | 2.4  |
| 9/3/2020 9:48 AM  | -0.3 | 1.0  | -1.1 | -1.0 | 2.5  |
| 9/3/2020 9:54 AM  | -0.3 | 1.0  | -1.1 | -1.0 | 2.5  |
| 9/3/2020 10:00 AM | -0.3 | 1.0  | -1.1 | -1.0 | 2.5  |
| 9/3/2020 10:06 AM | -0.3 | 1.1  | -1.1 | -1.0 | 2.5  |
| 9/3/2020 10:12 AM | -0.4 | 1.0  | -1.0 | -1.0 | 2.5  |
| 9/3/2020 10:18 AM | -0.4 | 1.0  | -1.0 | -1.0 | 2.4  |
| 9/3/2020 10:24 AM | -0.3 | 0.9  | -1.0 | -1.0 | 2.5  |
| 9/3/2020 10:30 AM | -0.3 | 0.8  | -0.9 | -1.0 | 2.5  |
| 9/3/2020 10:36 AM | -0.3 | 0.8  | -0.9 | -1.0 | 2.2  |
| 9/3/2020 10:42 AM | -0.3 | 0.7  | -0.9 | -1.0 | 0.8  |
| 9/3/2020 10:48 AM | -0.3 | 0.6  | -0.9 | -1.0 | 0.0  |
| 9/3/2020 10:54 AM | -0.3 | 0.6  | -0.9 | -1.0 | 0.0  |
| 9/3/2020 11:00 AM | -0.3 | 0.6  | -0.9 | -1.0 | -0.1 |
| 9/3/2020 11:06 AM | -0.3 | 0.6  | -0.9 | -1.0 | -0.1 |
| 9/3/2020 11:12 AM | -0.3 | 0.6  | -0.8 | -1.0 | -0.1 |
| 9/3/2020 11:18 AM | -0.3 | 0.5  | -0.8 | -1.0 | -0.1 |
| 9/3/2020 11:24 AM | -0.3 | 0.3  | -0.8 | -1.0 | -0.1 |
| 9/3/2020 11:30 AM | -0.3 | 0.2  | -0.7 | -1.0 | -0.1 |
| 9/3/2020 11:36 AM | -0.3 | 0.1  | -0.7 | -1.0 | -0.1 |
| 9/3/2020 11:42 AM | -0.3 | 0.1  | -0.7 | -1.0 | -0.1 |
| 9/3/2020 11:48 AM | -0.3 | 0.1  | -0.7 | -1.0 | -0.1 |
| 9/3/2020 11:54 AM | -0.3 | 0.2  | -0.7 | -1.0 | -0.1 |
| 9/3/2020 12:00 PM | -0.3 | 0.2  | -0.7 | -0.9 | -0.1 |
| 9/3/2020 12:06 PM | -0.1 | 0.2  | -0.3 | -0.5 | 0.0  |
| 9/3/2020 12:12 PM | -0.1 | 0.1  | -0.2 | -0.5 | 0.0  |
| 9/3/2020 12:18 PM | -0.1 | 0.0  | -0.1 | -0.5 | 0.0  |
| 9/3/2020 12:24 PM | -0.1 | -0.1 | -0.1 | -0.5 | 0.0  |
| 9/3/2020 12:30 PM | -0.1 | -0.1 | -0.1 | -0.5 | 0.0  |
| 9/3/2020 12:36 PM | 0.0  | -0.1 | -0.2 | -0.5 | 0.0  |
| 9/3/2020 12:42 PM | 0.0  | 0.0  | -0.2 | -0.5 | 0.0  |
| 9/3/2020 12:48 PM | -0.1 | 0.0  | -0.3 | 7.0  | 0.2  |

|                   |      |     |      |      |      |
|-------------------|------|-----|------|------|------|
| 9/3/2020 12:54 PM | -0.1 | 0.1 | -0.3 | 13.2 | 0.3  |
| 9/3/2020 1:00 PM  | 0.0  | 0.2 | -0.3 | 7.7  | 0.1  |
| 9/3/2020 1:06 PM  | -0.1 | 0.2 | -0.3 | 4.4  | 0.0  |
| 9/3/2020 1:12 PM  | 0.0  | 0.3 | -0.3 | 3.4  | 0.0  |
| 9/3/2020 1:18 PM  | 0.0  | 0.2 | -0.2 | 3.3  | 0.0  |
| 9/3/2020 1:24 PM  | 0.0  | 0.2 | -0.1 | 3.5  | 0.0  |
| 9/3/2020 1:30 PM  | 0.0  | 0.2 | 0.0  | 4.1  | 0.0  |
| 9/3/2020 1:36 PM  | 0.0  | 0.1 | 0.0  | 8.3  | 0.0  |
| 9/3/2020 1:42 PM  | 3.0  | 0.1 | 0.1  | 7.1  | 0.0  |
| 9/3/2020 1:48 PM  | 4.2  | 0.1 | 0.0  | 3.9  | 0.0  |
| 9/3/2020 1:54 PM  | 1.8  | 0.1 | 0.0  | 4.8  | 0.0  |
| 9/3/2020 2:00 PM  | 0.8  | 0.1 | -0.1 | 5.9  | 0.0  |
| 9/3/2020 2:06 PM  | 0.0  | 0.2 | -0.2 | 5.6  | 0.0  |
| 9/3/2020 2:12 PM  | 0.0  | 0.3 | -0.3 | 5.4  | 0.0  |
| 9/3/2020 2:18 PM  | 0.0  | 0.5 | -0.4 | 5.2  | 0.0  |
| 9/3/2020 2:24 PM  | -0.1 | 0.6 | -0.5 | 5.3  | 0.0  |
| 9/3/2020 2:30 PM  | -0.1 | 0.9 | -0.6 | 5.3  | 0.0  |
| 9/3/2020 2:36 PM  | -0.1 | 1.0 | -0.6 | 5.4  | 0.0  |
| 9/3/2020 2:42 PM  | -0.1 | 1.2 | -0.7 | 5.6  | 0.0  |
| 9/3/2020 2:48 PM  | 1.5  | 1.3 | -0.7 | 5.8  | 0.0  |
| 9/3/2020 2:54 PM  | 2.4  | 1.5 | -0.7 | 5.7  | 0.0  |
| 9/3/2020 3:00 PM  | 1.4  | 1.7 | -0.8 | 5.7  | 0.0  |
| 9/3/2020 3:06 PM  | 1.3  | 1.9 | -0.8 | 5.9  | 0.0  |
| 9/3/2020 3:12 PM  | 1.2  | 2.1 | -0.9 | 6.1  | -0.1 |
| 9/3/2020 3:18 PM  | 1.1  | 2.1 | -0.9 | 6.3  | 0.0  |
| 9/3/2020 3:24 PM  | 1.0  | 2.2 | -0.9 | 6.3  | 0.0  |
| 9/3/2020 3:30 PM  | 1.0  | 2.2 | -0.9 | 6.2  | 0.0  |
| 9/3/2020 3:36 PM  | 1.0  | 2.2 | -0.9 | 6.2  | 0.0  |
| 9/3/2020 3:42 PM  | 0.9  | 2.3 | -0.9 | 6.4  | -0.1 |
| 9/3/2020 3:48 PM  | 0.8  | 2.3 | -0.9 | 6.4  | 0.0  |
| 9/3/2020 3:54 PM  | 0.9  | 2.2 | -0.9 | 6.6  | 0.0  |
| 9/3/2020 4:00 PM  | 1.1  | 2.2 | -0.8 | 6.6  | 0.0  |
| 9/3/2020 4:06 PM  | 1.3  | 2.1 | -0.8 | 6.6  | -0.1 |
| 9/3/2020 4:12 PM  | 1.4  | 2.1 | -0.8 | 6.8  | -0.1 |
| 9/3/2020 4:18 PM  | 1.5  | 2.1 | -0.9 | 6.8  | 0.0  |
| 9/3/2020 4:24 PM  | 1.4  | 2.3 | -0.9 | 6.7  | 8.4  |
| 9/3/2020 4:30 PM  | 1.4  | 2.3 | -0.9 | 6.5  | 7.3  |
| 9/3/2020 4:36 PM  | 1.3  | 2.4 | -0.9 | 6.3  | 0.0  |
| 9/3/2020 4:42 PM  | 1.1  | 2.5 | -0.9 | 6.3  | -0.1 |
| 9/3/2020 4:48 PM  | 0.9  | 2.5 | -0.9 | 6.2  | -0.1 |
| 9/3/2020 4:54 PM  | 0.7  | 2.5 | -0.9 | 6.3  | -0.1 |
| 9/3/2020 5:00 PM  | 0.7  | 2.6 | -0.9 | 6.5  | -0.1 |
| 9/3/2020 5:06 PM  | 0.6  | 2.6 | -0.9 | 6.6  | -0.1 |
| 9/3/2020 5:12 PM  | 0.6  | 2.6 | -0.9 | 6.6  | -0.1 |
| 9/3/2020 5:18 PM  | 0.5  | 2.6 | -0.9 | 6.8  | -0.1 |
| 9/3/2020 5:24 PM  | 0.5  | 2.6 | -0.9 | 6.8  | -0.1 |
| 9/3/2020 5:30 PM  | 0.6  | 2.6 | -0.9 | 6.9  | -0.1 |
| 9/3/2020 5:36 PM  | 0.6  | 2.6 | -0.9 | 6.9  | -0.1 |
| 9/3/2020 5:42 PM  | 0.6  | 2.6 | -0.9 | 6.9  | -0.1 |
| 9/3/2020 5:48 PM  | 0.6  | 2.6 | -0.8 | 6.7  | -0.1 |

|                   |     |      |      |      |      |
|-------------------|-----|------|------|------|------|
| 9/3/2020 5:54 PM  | 0.5 | 2.5  | -0.8 | 6.4  | -0.1 |
| 9/3/2020 6:00 PM  | 0.5 | 2.5  | -0.8 | 6.5  | -0.1 |
| 9/3/2020 6:06 PM  | 0.5 | 2.5  | -0.8 | 5.3  | -0.1 |
| 9/3/2020 6:12 PM  | 0.5 | 2.5  | -0.8 | 3.1  | -0.1 |
| 9/3/2020 6:18 PM  | 0.5 | 2.5  | -0.8 | 2.4  | -0.1 |
| 9/3/2020 6:24 PM  | 0.5 | 2.6  | -0.9 | 2.5  | -0.1 |
| 9/3/2020 6:30 PM  | 0.5 | 2.8  | -0.9 | 2.5  | -0.1 |
| 9/3/2020 6:36 PM  | 0.5 | 2.9  | -1.0 | 2.6  | -0.1 |
| 9/3/2020 6:42 PM  | 0.5 | 3.1  | -1.0 | 2.6  | -0.1 |
| 9/3/2020 6:48 PM  | 0.5 | 3.3  | -1.0 | 2.6  | -0.1 |
| 9/3/2020 6:54 PM  | 0.5 | 3.6  | -1.0 | 2.7  | -0.1 |
| 9/3/2020 7:00 PM  | 0.4 | 3.7  | -1.0 | 2.6  | -0.1 |
| 9/3/2020 7:06 PM  | 0.5 | 3.7  | -1.0 | 2.4  | -0.1 |
| 9/3/2020 7:12 PM  | 0.5 | 3.6  | -1.0 | 2.3  | -0.1 |
| 9/3/2020 7:18 PM  | 0.5 | 3.6  | -1.0 | 2.4  | -0.1 |
| 9/3/2020 7:24 PM  | 0.5 | 3.6  | -1.0 | 2.5  | 0.0  |
| 9/3/2020 7:30 PM  | 0.4 | 3.6  | -1.0 | 2.6  | 0.0  |
| 9/3/2020 7:36 PM  | 0.4 | 3.5  | -1.0 | 2.5  | 0.0  |
| 9/3/2020 7:42 PM  | 0.5 | 3.4  | -0.9 | 4.6  | 0.1  |
| 9/3/2020 7:48 PM  | 0.6 | 3.2  | -0.9 | 6.2  | 0.1  |
| 9/3/2020 7:54 PM  | 0.5 | 3.0  | -0.9 | 5.9  | 0.1  |
| 9/3/2020 8:00 PM  | 0.5 | 2.9  | -0.8 | 5.9  | 0.1  |
| 9/3/2020 8:06 PM  | 0.5 | 2.7  | -0.8 | 6.0  | 0.1  |
| 9/3/2020 8:12 PM  | 0.5 | 2.6  | -0.7 | 6.2  | 0.1  |
| 9/3/2020 8:18 PM  | 0.5 | 2.6  | -0.8 | 6.0  | 0.2  |
| 9/3/2020 8:24 PM  | 0.9 | 2.6  | -0.9 | 8.0  | 6.4  |
| 9/3/2020 8:30 PM  | 1.4 | 2.6  | -0.9 | 10.1 | 12.5 |
| 9/3/2020 8:36 PM  | 1.3 | 2.7  | -0.8 | 9.7  | 9.8  |
| 9/3/2020 8:42 PM  | 1.2 | 2.7  | -0.8 | 9.2  | 14.2 |
| 9/3/2020 8:48 PM  | 1.1 | 2.7  | -0.8 | 8.4  | 16.3 |
| 9/3/2020 8:54 PM  | 1.1 | 2.6  | -0.7 | 8.7  | 11.9 |
| 9/3/2020 9:00 PM  | 1.1 | 21.0 | -0.7 | 9.1  | 11.0 |
| 9/3/2020 9:06 PM  | 1.1 | 25.2 | -0.7 | 9.6  | 10.8 |
| 9/3/2020 9:12 PM  | 1.1 | 9.0  | -0.7 | 9.6  | 10.8 |
| 9/3/2020 9:18 PM  | 1.1 | 5.8  | -0.6 | 9.5  | 11.7 |
| 9/3/2020 9:24 PM  | 1.1 | 4.4  | -0.6 | 9.6  | 12.4 |
| 9/3/2020 9:30 PM  | 1.1 | 4.5  | -0.6 | 9.6  | 11.8 |
| 9/3/2020 9:36 PM  | 1.1 | 4.5  | -0.6 | 9.8  | 11.1 |
| 9/3/2020 9:42 PM  | 1.1 | 3.7  | -0.6 | 9.1  | 10.2 |
| 9/3/2020 9:48 PM  | 1.1 | 3.2  | -0.6 | 8.2  | 9.8  |
| 9/3/2020 9:54 PM  | 1.1 | 3.0  | -0.6 | 7.9  | 9.6  |
| 9/3/2020 10:00 PM | 1.0 | 3.1  | -0.6 | 7.9  | 9.4  |
| 9/3/2020 10:06 PM | 1.0 | 3.2  | -0.6 | 7.7  | 9.0  |
| 9/3/2020 10:12 PM | 1.0 | 3.1  | -0.6 | 7.8  | 8.6  |
| 9/3/2020 10:18 PM | 0.9 | 2.7  | -0.6 | 8.1  | 8.4  |
| 9/3/2020 10:24 PM | 0.9 | 2.4  | -0.6 | 7.9  | 8.4  |
| 9/3/2020 10:30 PM | 0.9 | 1.9  | -0.6 | 7.8  | 8.4  |
| 9/3/2020 10:36 PM | 0.9 | 1.6  | -0.6 | 8.1  | 8.3  |
| 9/3/2020 10:42 PM | 0.9 | 1.3  | -0.6 | 8.3  | 8.0  |
| 9/3/2020 10:48 PM | 0.9 | 1.2  | -0.6 | 8.3  | 7.7  |



|                   |      |      |      |     |     |
|-------------------|------|------|------|-----|-----|
| 9/3/2020 10:54 PM | 0.9  | 1.1  | -0.6 | 8.1 | 7.4 |
| 9/3/2020 11:00 PM | 0.8  | 1.2  | -0.6 | 8.0 | 7.4 |
| 9/3/2020 11:06 PM | 0.8  | 1.1  | -0.6 | 8.1 | 7.6 |
| 9/3/2020 11:12 PM | 0.7  | 1.0  | -0.6 | 8.4 | 7.6 |
| 9/3/2020 11:18 PM | 0.7  | 1.0  | -0.6 | 8.5 | 7.7 |
| 9/3/2020 11:24 PM | 0.8  | 1.0  | -0.6 | 8.6 | 8.0 |
| 9/3/2020 11:30 PM | 0.8  | 1.1  | -0.6 | 8.7 | 8.0 |
| 9/3/2020 11:36 PM | 0.8  | 1.2  | -0.5 | 8.5 | 8.1 |
| 9/3/2020 11:42 PM | 0.8  | 1.2  | -0.5 | 8.4 | 7.8 |
| 9/3/2020 11:48 PM | 0.7  | 1.2  | -0.5 | 8.8 | 7.5 |
| 9/3/2020 11:54 PM | 0.7  | 1.1  | -0.5 | 9.1 | 7.5 |
| 9/4/2020 12:00 AM | 0.7  | 1.1  | -0.6 | 8.9 | 7.7 |
| 9/4/2020 12:06 AM | 0.7  | 1.2  | -0.6 | 8.9 | 7.6 |
| 9/4/2020 12:12 AM | 0.7  | 1.2  | -0.6 | 9.3 | 7.0 |
| 9/4/2020 12:18 AM | 0.7  | 1.2  | -0.6 | 9.1 | 7.1 |
| 9/4/2020 12:24 AM | 0.7  | 1.2  | -0.6 | 8.9 | 7.8 |
| 9/4/2020 12:30 AM | 0.7  | 1.2  | -0.6 | 8.7 | 7.1 |
| 9/4/2020 12:36 AM | 0.8  | 0.4  | -0.6 | 8.7 | 6.8 |
| 9/4/2020 12:42 AM | 0.9  | -0.6 | -0.7 | 8.8 | 7.4 |
| 9/4/2020 12:48 AM | 0.8  | -0.8 | -0.7 | 7.5 | 5.6 |
| 9/4/2020 12:54 AM | 0.6  | -0.9 | -0.7 | 3.0 | 0.8 |
| 9/4/2020 1:00 AM  | 0.4  | -0.9 | -0.7 | 1.7 | 0.1 |
| 9/4/2020 1:06 AM  | 0.4  | -0.8 | -0.7 | 2.0 | 0.1 |
| 9/4/2020 1:12 AM  | 0.5  | -0.8 | -0.7 | 2.1 | 0.1 |
| 9/4/2020 1:18 AM  | 0.4  | -0.9 | -0.7 | 2.0 | 0.1 |
| 9/4/2020 1:24 AM  | 0.4  | -0.9 | -0.7 | 2.0 | 0.1 |
| 9/4/2020 1:30 AM  | 0.5  | -0.9 | -0.7 | 2.0 | 0.1 |
| 9/4/2020 1:36 AM  | 0.4  | -0.9 | -0.7 | 2.1 | 0.1 |
| 9/4/2020 1:42 AM  | 0.4  | -0.9 | -0.7 | 2.1 | 0.1 |
| 9/4/2020 1:48 AM  | 0.4  | -0.9 | -0.7 | 2.1 | 0.1 |
| 9/4/2020 1:54 AM  | 0.4  | -0.9 | -0.7 | 2.0 | 0.1 |
| 9/4/2020 2:00 AM  | 0.4  | -0.9 | -0.7 | 2.1 | 0.1 |
| 9/4/2020 2:06 AM  | 0.4  | -0.9 | -0.7 | 2.1 | 0.1 |
| 9/4/2020 2:12 AM  | 0.4  | -0.9 | -0.7 | 2.1 | 0.1 |
| 9/4/2020 2:18 AM  | 0.5  | -0.9 | -0.7 | 2.2 | 0.1 |
| 9/4/2020 2:24 AM  | 0.1  | -0.9 | -0.7 | 2.4 | 0.1 |
| 9/4/2020 2:30 AM  | -0.3 | -0.9 | -0.7 | 2.5 | 0.1 |
| 9/4/2020 2:36 AM  | 0.0  | -0.9 | -0.7 | 3.9 | 0.1 |
| 9/4/2020 2:42 AM  | 0.4  | -0.9 | -0.7 | 6.1 | 0.1 |
| 9/4/2020 2:48 AM  | 0.3  | -0.9 | -0.7 | 6.2 | 0.1 |
| 9/4/2020 2:54 AM  | 0.4  | -0.9 | -0.7 | 6.0 | 0.1 |
| 9/4/2020 3:00 AM  | 0.4  | -0.9 | -0.7 | 5.9 | 0.1 |
| 9/4/2020 3:06 AM  | 0.4  | -0.9 | -0.7 | 5.9 | 0.1 |
| 9/4/2020 3:12 AM  | 0.4  | -0.9 | -0.7 | 5.9 | 0.1 |
| 9/4/2020 3:18 AM  | 0.4  | -0.8 | -0.7 | 5.9 | 0.1 |
| 9/4/2020 3:24 AM  | 0.4  | -0.8 | -0.7 | 6.1 | 0.1 |
| 9/4/2020 3:30 AM  | 0.4  | -0.8 | -0.7 | 6.3 | 0.1 |
| 9/4/2020 3:36 AM  | 0.4  | -0.8 | -0.7 | 6.2 | 0.1 |
| 9/4/2020 3:42 AM  | 0.4  | -0.8 | -0.7 | 6.1 | 0.1 |
| 9/4/2020 3:48 AM  | 0.2  | -0.9 | -0.7 | 6.0 | 0.1 |



|                  |      |      |      |     |      |
|------------------|------|------|------|-----|------|
| 9/4/2020 3:54 AM | -0.2 | -0.9 | -0.7 | 6.3 | 0.1  |
| 9/4/2020 4:00 AM | -0.3 | -0.8 | -0.8 | 6.4 | 0.1  |
| 9/4/2020 4:06 AM | -0.4 | -0.8 | -0.8 | 6.2 | 0.1  |
| 9/4/2020 4:12 AM | -0.4 | -0.8 | -0.8 | 5.7 | 0.1  |
| 9/4/2020 4:18 AM | -0.4 | -0.8 | -0.8 | 5.2 | 0.1  |
| 9/4/2020 4:24 AM | -0.4 | -0.8 | -0.8 | 5.4 | 0.1  |
| 9/4/2020 4:30 AM | -0.5 | -0.8 | -0.8 | 5.5 | 0.1  |
| 9/4/2020 4:36 AM | -0.4 | -0.8 | -0.8 | 5.5 | 0.1  |
| 9/4/2020 4:42 AM | -0.4 | -0.8 | -0.8 | 5.4 | 0.1  |
| 9/4/2020 4:48 AM | -0.4 | -0.9 | -0.8 | 5.2 | 0.1  |
| 9/4/2020 4:54 AM | -0.4 | -0.8 | -0.8 | 5.1 | 0.1  |
| 9/4/2020 5:00 AM | -0.4 | -0.8 | -0.8 | 5.0 | 0.1  |
| 9/4/2020 5:06 AM | -0.4 | -0.8 | -0.8 | 5.0 | 0.1  |
| 9/4/2020 5:12 AM | -0.4 | -0.8 | -0.8 | 5.2 | 0.1  |
| 9/4/2020 5:18 AM | -0.4 | -0.8 | -0.8 | 5.2 | 0.1  |
| 9/4/2020 5:24 AM | -0.4 | -0.8 | -0.8 | 5.2 | 0.1  |
| 9/4/2020 5:30 AM | -0.4 | -0.8 | -0.8 | 5.4 | 0.1  |
| 9/4/2020 5:36 AM | -0.4 | -0.8 | -0.8 | 5.4 | 0.1  |
| 9/4/2020 5:42 AM | -0.4 | -0.8 | -0.8 | 5.2 | 0.1  |
| 9/4/2020 5:48 AM | -0.4 | -0.8 | -0.8 | 5.1 | 0.1  |
| 9/4/2020 5:54 AM | -0.4 | -0.8 | -0.9 | 5.2 | 0.1  |
| 9/4/2020 6:00 AM | -0.4 | -0.9 | -1.0 | 5.3 | 0.1  |
| 9/4/2020 6:06 AM | -0.4 | -0.9 | -1.0 | 5.4 | 0.1  |
| 9/4/2020 6:12 AM | -0.4 | -0.9 | -1.1 | 5.5 | 0.1  |
| 9/4/2020 6:18 AM | -0.4 | -0.8 | -1.1 | 5.3 | 0.1  |
| 9/4/2020 6:24 AM | -0.4 | -0.8 | -1.1 | 5.4 | 0.0  |
| 9/4/2020 6:30 AM | -0.4 | -0.8 | -1.1 | 5.7 | 0.1  |
| 9/4/2020 6:36 AM | -0.4 | -0.8 | -1.1 | 5.8 | 4.8  |
| 9/4/2020 6:42 AM | -0.4 | -0.8 | -1.1 | 3.2 | 10.2 |
| 9/4/2020 6:48 AM | -0.4 | -0.8 | -1.1 | 1.0 | 8.1  |
| 9/4/2020 6:54 AM | -0.4 | -0.8 | -1.1 | 1.1 | 5.8  |
| 9/4/2020 7:00 AM | -0.4 | -0.8 | -1.1 | 1.1 | 4.6  |
| 9/4/2020 7:06 AM | 1.3  | -0.8 | -1.1 | 1.2 | 3.3  |
| 9/4/2020 7:12 AM | 2.1  | 4.8  | -1.1 | 1.3 | 1.1  |
| 9/4/2020 7:18 AM | 0.9  | 3.1  | -1.1 | 1.3 | 0.1  |
| 9/4/2020 7:24 AM | 0.5  | 0.6  | -1.1 | 1.3 | 3.9  |
| 9/4/2020 7:30 AM | 0.5  | -0.4 | -1.0 | 1.2 | 6.3  |
| 9/4/2020 7:36 AM | 0.2  | -0.7 | -1.0 | 1.4 | 4.4  |
| 9/4/2020 7:42 AM | -0.1 | -0.7 | -1.0 | 1.7 | 4.3  |
| 9/4/2020 7:48 AM | -0.3 | -0.7 | -0.8 | 1.7 | 3.6  |
| 9/4/2020 7:54 AM | -0.3 | -0.8 | -0.7 | 1.6 | 3.3  |
| 9/4/2020 8:00 AM | -0.3 | -0.8 | -0.6 | 1.5 | 3.2  |
| 9/4/2020 8:06 AM | -0.3 | -0.8 | -0.5 | 1.6 | 3.1  |
| 9/4/2020 8:12 AM | -0.2 | -0.8 | -0.4 | 1.5 | 3.1  |
| 9/4/2020 8:18 AM | -0.3 | -0.8 | -0.3 | 1.5 | 3.1  |
| 9/4/2020 8:24 AM | -0.3 | -0.8 | -0.2 | 1.5 | 3.0  |
| 9/4/2020 8:30 AM | -0.2 | -0.8 | -0.1 | 1.6 | 3.0  |
| 9/4/2020 8:36 AM | -0.2 | -0.8 | -0.1 | 1.6 | 2.9  |
| 9/4/2020 8:42 AM | -0.3 | -0.8 | 0.0  | 1.6 | 2.9  |
| 9/4/2020 8:48 AM | -0.3 | -0.7 | 0.0  | 1.6 | 2.9  |

|                   |          |          |          |          |          |
|-------------------|----------|----------|----------|----------|----------|
| 9/4/2020 8:54 AM  | -0.2     | 4.3      | 0.0      | 1.6      | 2.9      |
| 9/4/2020 9:00 AM  | -0.2     | 3.3      | -0.1     | 1.6      | 2.8      |
| 9/4/2020 9:06 AM  | -0.2     | 0.2      | -0.1     | 1.6      | 2.8      |
| 9/4/2020 9:12 AM  | -0.2     | -0.5     | -0.1     | 1.5      | 2.8      |
| 9/4/2020 9:18 AM  | -0.2     | -0.7     | -0.1     | 1.5      | 2.8      |
| 9/4/2020 9:24 AM  | -0.2     | -0.7     | -0.1     | 1.5      | 2.8      |
| 9/4/2020 9:30 AM  | -0.2     | -0.7     | -0.1     | 1.5      | 2.8      |
| 9/4/2020 9:36 AM  | -0.2     | -0.8     | -0.2     | 1.5      | 2.8      |
| 9/4/2020 9:42 AM  | -0.2     | -0.7     | -0.2     | 1.5      | 2.8      |
| 9/4/2020 9:48 AM  | -0.2     | -0.7     | -0.3     | 1.5      | 2.8      |
| 9/4/2020 9:54 AM  | -0.2     | -0.7     | -0.3     | 1.5      | 2.8      |
| 9/4/2020 10:00 AM | -0.3     | -0.7     | -0.3     | 1.5      | 2.8      |
| 9/4/2020 10:06 AM | 2.2      | -0.8     | -0.2     | 1.3      | 2.8      |
| 9/4/2020 10:12 AM | 2.7      | -0.8     | -0.1     | 0.3      | 3.0      |
| 9/4/2020 10:18 AM | 1.0      | -0.7     | -0.1     | -0.4     | 3.0      |
| 9/4/2020 10:24 AM | 0.9      | -0.7     | 0.0      | -0.6     | 3.0      |
| 9/4/2020 10:30 AM | 0.8      | -0.8     | 0.0      | -0.5     | 3.0      |
| 9/4/2020 10:36 AM | 0.8      | -0.8     | 0.0      | -0.5     | 3.0      |
| 9/4/2020 10:42 AM | 0.8      | -0.7     | -0.1     | -0.5     | 3.0      |
| 9/4/2020 10:48 AM | 0.7      | -0.7     | -0.2     | -0.6     | 3.0      |
| 9/4/2020 10:54 AM | 0.7      | -0.7     | -0.3     | -0.6     | 3.0      |
| 9/4/2020 11:00 AM | 0.7      | -0.7     | -0.3     | -0.6     | 3.0      |
| 9/4/2020 11:06 AM | 0.7      | -0.7     | -0.3     | -0.6     | 3.0      |
| 9/4/2020 11:12 AM | 0.7      | -0.7     | -0.3     | -0.6     | 2.9      |
| 9/4/2020 11:18 AM | 0.8      | -0.7     | -0.2     | -0.6     | 2.9      |
| 9/4/2020 11:24 AM | 1.0      | -0.7     | -0.2     | -0.6     | 2.9      |
| 9/4/2020 11:30 AM | 1.1      | -0.7     | -0.2     | -0.6     | 3.0      |
| 9/4/2020 11:36 AM | 1.2      | -0.7     | -0.2     | -0.6     | 2.9      |
| 9/4/2020 11:42 AM | 1.2      | -0.7     | -0.1     | -0.6     | 2.9      |
| 9/4/2020 11:48 AM | 1.1      | -0.7     | 0.0      | -0.6     | 2.9      |
| 9/4/2020 11:54 AM | 1.1      | -0.7     | 0.0      | -0.6     | 2.9      |
| 9/4/2020 12:00 PM | 1.1      | -0.7     | 0.0      | -0.6     | 3.0      |
| 9/4/2020 12:06 PM | 1.1      | -0.8     | 0.0      | -0.6     | 2.9      |
| 9/4/2020 12:12 PM | 1.0      | -0.8     | -0.1     | -0.6     | 2.9      |
| 9/4/2020 12:18 PM | 1.0      | -0.8     | -0.1     | -0.6     | 2.8      |
| 9/4/2020 12:24 PM | 0.9      | -0.8     | -0.1     | -0.6     | 2.8      |
| 9/4/2020 12:30 PM | 0.8      | -0.7     | -0.2     | -0.6     | 2.8      |
| 9/4/2020 12:36 PM | 0.7      | -0.7     | -0.2     | -0.6     | 2.7      |
| 9/4/2020 12:42 PM | 0.7      | -0.7     | -0.3     | -0.6     | 2.7      |
| 9/4/2020 12:48 PM | 0.6      | -0.7     | -0.4     | -0.6     | 2.7      |
| 9/4/2020 12:54 PM | 0.6      | -0.8     | -0.5     | -0.6     | 2.7      |
| 9/4/2020 1:00 PM  | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 9/4/2020 1:06 PM  | Maintain | Maintain | Maintain | Maintain | Maintain |
| 9/4/2020 1:12 PM  | Maintain | Maintain | Maintain | Maintain | Maintain |
| 9/4/2020 1:18 PM  | Maintain | Maintain | Maintain | Maintain | Maintain |
| 9/4/2020 1:24 PM  | Maintain | Maintain | Maintain | Maintain | Maintain |
| 9/4/2020 1:30 PM  | Maintain | Maintain | Maintain | Maintain | Maintain |
| 9/4/2020 1:36 PM  | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 9/4/2020 1:42 PM  | 0.4      | -0.8     | -0.2     | -0.6     | 2.4      |
| 9/4/2020 1:48 PM  | 0.4      | -0.8     | -0.2     | -0.6     | 2.4      |

|                  |     |      |      |      |     |
|------------------|-----|------|------|------|-----|
| 9/4/2020 1:54 PM | 0.4 | -0.8 | -0.2 | -0.6 | 2.4 |
| 9/4/2020 2:00 PM | 0.4 | -0.8 | -0.4 | -0.6 | 2.4 |
| 9/4/2020 2:06 PM | 0.4 | -0.8 | -0.5 | -0.6 | 2.5 |
| 9/4/2020 2:12 PM | 0.4 | -0.8 | -0.6 | -0.6 | 2.5 |
| 9/4/2020 2:18 PM | 0.4 | -0.8 | -0.7 | -0.6 | 2.5 |
| 9/4/2020 2:24 PM | 0.4 | -0.8 | -0.7 | -0.6 | 2.5 |
| 9/4/2020 2:30 PM | 0.4 | -0.8 | -0.7 | -0.6 | 2.4 |
| 9/4/2020 2:36 PM | 0.4 | -0.8 | -0.7 | -0.6 | 2.4 |
| 9/4/2020 2:42 PM | 0.4 | -0.7 | -0.7 | -0.6 | 2.4 |
| 9/4/2020 2:48 PM | 0.4 | -0.8 | -0.7 | -0.6 | 2.4 |
| 9/4/2020 2:54 PM | 0.4 | -0.8 | -0.7 | -0.6 | 2.4 |
| 9/4/2020 3:00 PM | 0.4 | -0.8 | -0.6 | -0.6 | 2.3 |
| 9/4/2020 3:06 PM | 0.4 | -0.8 | -0.6 | -0.6 | 2.2 |
| 9/4/2020 3:12 PM | 0.4 | -0.8 | -0.6 | -0.6 | 2.3 |
| 9/4/2020 3:18 PM | 0.4 | -0.7 | -0.6 | -0.6 | 2.3 |
| 9/4/2020 3:24 PM | 0.4 | -0.7 | -0.6 | -0.6 | 2.2 |
| 9/4/2020 3:30 PM | 0.4 | -0.7 | -0.7 | -0.6 | 2.2 |
| 9/4/2020 3:36 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.2 |
| 9/4/2020 3:42 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.2 |
| 9/4/2020 3:48 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.2 |
| 9/4/2020 3:54 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.2 |
| 9/4/2020 4:00 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.2 |
| 9/4/2020 4:06 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.2 |
| 9/4/2020 4:12 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.2 |
| 9/4/2020 4:18 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.2 |
| 9/4/2020 4:24 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.2 |
| 9/4/2020 4:30 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.2 |
| 9/4/2020 4:36 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 4:42 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 4:48 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 4:54 PM | 0.4 | -0.7 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 5:00 PM | 0.3 | -0.7 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 5:06 PM | 0.3 | -0.7 | -0.9 | -0.6 | 2.2 |
| 9/4/2020 5:12 PM | 0.4 | -0.7 | -0.9 | -0.6 | 2.3 |
| 9/4/2020 5:18 PM | 0.4 | -0.7 | -0.9 | -0.6 | 2.3 |
| 9/4/2020 5:24 PM | 0.4 | -0.7 | -0.9 | -0.6 | 2.2 |
| 9/4/2020 5:30 PM | 0.4 | -0.7 | -0.9 | -0.6 | 2.3 |
| 9/4/2020 5:36 PM | 0.4 | -0.7 | -0.9 | -0.6 | 2.3 |
| 9/4/2020 5:42 PM | 0.4 | -0.7 | -0.9 | -0.6 | 2.3 |
| 9/4/2020 5:48 PM | 0.5 | -0.7 | -0.9 | -0.6 | 2.3 |
| 9/4/2020 5:54 PM | 0.5 | -0.7 | -0.9 | -0.6 | 2.3 |
| 9/4/2020 6:00 PM | 0.5 | -0.7 | -0.9 | -0.6 | 2.3 |
| 9/4/2020 6:06 PM | 0.5 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 6:12 PM | 0.5 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 6:18 PM | 0.5 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 6:24 PM | 0.5 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 6:30 PM | 0.5 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 6:36 PM | 0.5 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 6:42 PM | 0.5 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 6:48 PM | 0.5 | -0.8 | -0.8 | -0.6 | 2.3 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 9/4/2020 6:54 PM  | 0.5 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 7:00 PM  | 0.5 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 7:06 PM  | 0.5 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 7:12 PM  | 0.4 | -0.8 | -0.8 | -0.6 | 2.4 |
| 9/4/2020 7:18 PM  | 0.4 | -0.8 | -0.8 | -0.6 | 2.4 |
| 9/4/2020 7:24 PM  | 0.4 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 7:30 PM  | 0.4 | -0.8 | -0.8 | -0.6 | 2.4 |
| 9/4/2020 7:36 PM  | 0.4 | -0.8 | -0.8 | -0.6 | 2.5 |
| 9/4/2020 7:42 PM  | 0.4 | -0.8 | -0.8 | -0.6 | 2.5 |
| 9/4/2020 7:48 PM  | 0.4 | -0.8 | -0.8 | -0.5 | 2.4 |
| 9/4/2020 7:54 PM  | 0.4 | -0.8 | -0.8 | -0.6 | 2.4 |
| 9/4/2020 8:00 PM  | 0.4 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 8:06 PM  | 0.4 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 8:12 PM  | 0.3 | -0.8 | -0.8 | -0.6 | 2.3 |
| 9/4/2020 8:18 PM  | 0.4 | -0.8 | -0.8 | -0.6 | 2.4 |
| 9/4/2020 8:24 PM  | 0.4 | -0.7 | -0.8 | -0.6 | 2.4 |
| 9/4/2020 8:30 PM  | 0.3 | -0.8 | -0.8 | -0.6 | 2.4 |
| 9/4/2020 8:36 PM  | 0.3 | -0.8 | -0.8 | -0.5 | 2.4 |
| 9/4/2020 8:42 PM  | 0.3 | -0.7 | -0.8 | -0.5 | 2.4 |
| 9/4/2020 8:48 PM  | 0.3 | -0.8 | -0.8 | -0.5 | 2.4 |
| 9/4/2020 8:54 PM  | 0.3 | -0.7 | -0.8 | -0.6 | 2.5 |
| 9/4/2020 9:00 PM  | 0.4 | -0.7 | -0.8 | -0.6 | 2.5 |
| 9/4/2020 9:06 PM  | 0.3 | -0.7 | -0.8 | -0.6 | 2.4 |
| 9/4/2020 9:12 PM  | 0.3 | -0.7 | -0.8 | -0.5 | 2.4 |
| 9/4/2020 9:18 PM  | 0.3 | -0.7 | -0.8 | -0.5 | 2.5 |
| 9/4/2020 9:24 PM  | 0.3 | -0.7 | -0.8 | -0.5 | 2.5 |
| 9/4/2020 9:30 PM  | 0.4 | -0.7 | -0.8 | -0.5 | 2.6 |
| 9/4/2020 9:36 PM  | 0.4 | -0.7 | -0.8 | -0.5 | 2.5 |
| 9/4/2020 9:42 PM  | 0.4 | -0.7 | -0.8 | -0.5 | 2.5 |
| 9/4/2020 9:48 PM  | 0.4 | -0.7 | -0.8 | -0.5 | 2.6 |
| 9/4/2020 9:54 PM  | 0.4 | -0.7 | -0.8 | -0.5 | 2.5 |
| 9/4/2020 10:00 PM | 0.4 | -0.7 | -0.8 | -0.5 | 2.5 |
| 9/4/2020 10:06 PM | 0.3 | -0.7 | -0.8 | -0.5 | 2.4 |
| 9/4/2020 10:12 PM | 0.4 | -0.7 | -0.8 | -0.5 | 2.4 |
| 9/4/2020 10:18 PM | 0.4 | -0.7 | -0.8 | -0.5 | 2.3 |
| 9/4/2020 10:24 PM | 0.3 | -0.7 | -0.8 | -0.5 | 2.2 |
| 9/4/2020 10:30 PM | 0.3 | -0.7 | -0.8 | -0.5 | 2.2 |
| 9/4/2020 10:36 PM | 0.4 | -0.7 | -0.8 | -0.5 | 2.2 |
| 9/4/2020 10:42 PM | 0.3 | -0.7 | -0.8 | -0.5 | 2.2 |
| 9/4/2020 10:48 PM | 0.3 | -0.7 | -0.8 | -0.5 | 2.3 |
| 9/4/2020 10:54 PM | 0.3 | -0.7 | -0.8 | -0.5 | 2.4 |
| 9/4/2020 11:00 PM | 0.4 | -0.7 | -0.8 | -0.5 | 2.4 |
| 9/4/2020 11:06 PM | 0.4 | -0.7 | -0.8 | -0.5 | 2.5 |
| 9/4/2020 11:12 PM | 0.4 | -0.6 | -0.8 | -0.5 | 2.3 |
| 9/4/2020 11:18 PM | 0.4 | -0.6 | -0.8 | -0.5 | 2.3 |
| 9/4/2020 11:24 PM | 0.4 | -0.7 | -0.8 | -0.5 | 2.3 |
| 9/4/2020 11:30 PM | 0.4 | -0.6 | -0.8 | -0.5 | 2.2 |
| 9/4/2020 11:36 PM | 0.4 | -0.7 | -0.8 | -0.5 | 2.2 |
| 9/4/2020 11:42 PM | 0.4 | -0.7 | -0.8 | -0.5 | 2.2 |
| 9/4/2020 11:48 PM | 0.4 | -0.7 | -0.8 | -0.5 | 2.3 |

|                   |     |      |      |      |      |
|-------------------|-----|------|------|------|------|
| 9/4/2020 11:54 PM | 0.4 | -0.7 | -0.8 | -0.5 | 2.3  |
| 9/5/2020 12:00 AM | 0.4 | -0.7 | -0.8 | -0.5 | 2.3  |
| 9/5/2020 12:06 AM | 0.4 | -0.7 | -0.8 | -0.5 | 2.3  |
| 9/5/2020 12:12 AM | 0.4 | -0.6 | -0.8 | -0.5 | 2.3  |
| 9/5/2020 12:18 AM | 0.4 | -0.7 | -0.8 | -0.5 | 2.3  |
| 9/5/2020 12:24 AM | 0.4 | -0.7 | -0.8 | -0.5 | 2.3  |
| 9/5/2020 12:30 AM | 0.4 | -0.6 | -0.8 | -0.5 | 2.3  |
| 9/5/2020 12:36 AM | 0.3 | -0.6 | -0.8 | -0.5 | 2.3  |
| 9/5/2020 12:42 AM | 0.3 | -0.6 | -0.8 | -0.5 | 2.3  |
| 9/5/2020 12:48 AM | 0.3 | -0.6 | -0.8 | -0.5 | 2.3  |
| 9/5/2020 12:54 AM | 0.4 | -0.6 | -0.8 | -0.5 | 2.2  |
| 9/5/2020 1:00 AM  | 0.4 | -0.6 | -0.8 | -0.5 | 0.9  |
| 9/5/2020 1:06 AM  | 0.4 | -0.6 | -0.8 | -0.5 | -0.1 |
| 9/5/2020 1:12 AM  | 0.3 | -0.6 | -0.8 | -0.5 | -0.1 |
| 9/5/2020 1:18 AM  | 0.3 | -0.6 | -0.8 | -0.5 | -0.2 |
| 9/5/2020 1:24 AM  | 0.3 | -0.6 | -0.8 | -0.5 | -0.2 |
| 9/5/2020 1:30 AM  | 0.2 | -0.6 | -0.8 | -0.5 | -0.1 |
| 9/5/2020 1:36 AM  | 0.2 | -0.6 | -0.8 | -0.5 | -0.1 |
| 9/5/2020 1:42 AM  | 0.2 | -0.6 | -0.8 | -0.5 | -0.1 |
| 9/5/2020 1:48 AM  | 0.2 | -0.6 | -0.8 | -0.5 | -0.1 |
| 9/5/2020 1:54 AM  | 0.1 | -0.6 | -0.8 | -0.5 | -0.1 |
| 9/5/2020 2:00 AM  | 0.1 | -0.6 | -0.8 | -0.5 | -0.1 |
| 9/5/2020 2:06 AM  | 0.1 | -0.5 | -0.8 | -0.5 | -0.1 |
| 9/5/2020 2:12 AM  | 0.1 | -0.5 | -0.9 | -0.4 | -0.1 |
| 9/5/2020 2:18 AM  | 0.1 | -0.5 | -0.9 | -0.4 | -0.1 |
| 9/5/2020 2:24 AM  | 0.1 | -0.5 | -0.9 | -0.4 | -0.1 |
| 9/5/2020 2:30 AM  | 0.1 | -0.5 | -0.9 | -0.4 | -0.2 |
| 9/5/2020 2:36 AM  | 0.1 | -0.5 | -0.9 | -0.4 | -0.2 |
| 9/5/2020 2:42 AM  | 0.1 | -0.5 | -0.9 | -0.5 | -0.2 |
| 9/5/2020 2:48 AM  | 0.2 | -0.5 | -0.9 | -0.5 | -0.1 |
| 9/5/2020 2:54 AM  | 0.2 | -0.5 | -0.9 | -0.5 | -0.2 |
| 9/5/2020 3:00 AM  | 0.2 | -0.5 | -0.9 | -0.4 | -0.2 |
| 9/5/2020 3:06 AM  | 0.2 | -0.5 | -0.9 | -0.4 | -0.2 |
| 9/5/2020 3:12 AM  | 0.2 | -0.5 | -0.9 | -0.4 | -0.2 |
| 9/5/2020 3:18 AM  | 0.2 | -0.5 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 3:24 AM  | 0.2 | -0.5 | -0.8 | -0.4 | -0.1 |
| 9/5/2020 3:30 AM  | 0.3 | -0.5 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 3:36 AM  | 0.3 | -0.5 | -0.8 | -0.4 | -0.1 |
| 9/5/2020 3:42 AM  | 0.3 | -0.4 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 3:48 AM  | 0.3 | -0.5 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 3:54 AM  | 0.4 | -0.4 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 4:00 AM  | 0.4 | -0.4 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 4:06 AM  | 0.3 | -0.4 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 4:12 AM  | 0.3 | -0.4 | -0.8 | -0.4 | -0.1 |
| 9/5/2020 4:18 AM  | 0.3 | -0.4 | -0.8 | -0.4 | -0.1 |
| 9/5/2020 4:24 AM  | 0.2 | -0.4 | -0.8 | -0.4 | -0.1 |
| 9/5/2020 4:30 AM  | 0.2 | -0.4 | -0.8 | -0.4 | -0.1 |
| 9/5/2020 4:36 AM  | 0.2 | -0.4 | -0.8 | -0.4 | -0.1 |
| 9/5/2020 4:42 AM  | 0.3 | -0.4 | -0.8 | -0.4 | -0.1 |
| 9/5/2020 4:48 AM  | 0.3 | -0.4 | -0.8 | -0.4 | -0.2 |

|                  |     |      |      |      |      |
|------------------|-----|------|------|------|------|
| 9/5/2020 4:54 AM | 0.4 | -0.4 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 5:00 AM | 0.4 | -0.4 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 5:06 AM | 0.4 | -0.4 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 5:12 AM | 0.5 | -0.4 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 5:18 AM | 0.5 | -0.4 | -0.8 | -0.4 | -0.2 |
| 9/5/2020 5:24 AM | 0.5 | -0.4 | -0.8 | -0.4 | -0.1 |
| 9/5/2020 5:30 AM | 0.5 | -0.4 | -0.8 | -0.4 | -0.1 |
| 9/5/2020 5:36 AM | 0.5 | -0.4 | -0.8 | -0.4 | -0.1 |
| 9/5/2020 5:42 AM | 0.5 | -0.3 | -0.9 | -0.4 | -0.1 |
| 9/5/2020 5:48 AM | 0.5 | -0.3 | -0.9 | -0.4 | -0.1 |
| 9/5/2020 5:54 AM | 0.4 | -0.2 | -1.0 | -0.4 | -0.1 |
| 9/5/2020 6:00 AM | 0.2 | -0.1 | -1.1 | -0.4 | -0.1 |
| 9/5/2020 6:06 AM | 0.1 | -0.1 | -1.1 | -0.4 | -0.1 |
| 9/5/2020 6:12 AM | 0.1 | -0.1 | -1.1 | -0.4 | -0.1 |
| 9/5/2020 6:18 AM | 0.1 | -0.1 | -1.1 | -0.4 | -0.1 |
| 9/5/2020 6:24 AM | 0.1 | -0.1 | -1.1 | -0.4 | -0.1 |
| 9/5/2020 6:30 AM | 0.1 | -0.2 | -1.1 | -0.4 | -0.2 |
| 9/5/2020 6:36 AM | 0.4 | -0.2 | -1.1 | -0.4 | -0.1 |
| 9/5/2020 6:42 AM | 0.7 | -0.3 | -1.1 | -0.4 | -0.1 |
| 9/5/2020 6:48 AM | 0.6 | -0.3 | -1.1 | -0.4 | -0.2 |
| 9/5/2020 6:54 AM | 0.5 | -0.4 | -1.1 | -0.4 | -0.2 |
| 9/5/2020 7:00 AM | 0.5 | -0.4 | -1.1 | -0.4 | -0.2 |
| 9/5/2020 7:06 AM | 0.6 | -0.5 | -1.1 | -0.4 | -0.2 |
| 9/5/2020 7:12 AM | 0.6 | -0.5 | -1.1 | -0.4 | -0.2 |
| 9/5/2020 7:18 AM | 0.6 | -0.4 | -1.1 | -0.4 | -0.2 |
| 9/5/2020 7:24 AM | 0.5 | -0.4 | -1.1 | -0.4 | -0.1 |
| 9/5/2020 7:30 AM | 0.3 | -0.4 | -1.0 | -0.5 | -0.2 |
| 9/5/2020 7:36 AM | 0.2 | -0.4 | -1.0 | -0.5 | -0.1 |
| 9/5/2020 7:42 AM | 0.2 | -0.3 | -0.8 | -0.5 | -0.2 |
| 9/5/2020 7:48 AM | 0.2 | -0.3 | -0.7 | -0.5 | -0.2 |
| 9/5/2020 7:54 AM | 0.2 | -0.3 | -0.5 | -0.5 | -0.2 |
| 9/5/2020 8:00 AM | 0.3 | -0.3 | -0.2 | -0.5 | -0.1 |
| 9/5/2020 8:06 AM | 0.3 | -0.4 | -0.1 | -0.5 | -0.1 |
| 9/5/2020 8:12 AM | 0.3 | -0.4 | 0.0  | -0.5 | -0.2 |
| 9/5/2020 8:18 AM | 0.3 | -0.5 | 0.0  | -0.5 | -0.2 |
| 9/5/2020 8:24 AM | 0.4 | -0.5 | 0.0  | -0.5 | -0.2 |
| 9/5/2020 8:30 AM | 0.3 | -0.5 | 0.0  | -0.5 | -0.2 |
| 9/5/2020 8:36 AM | 0.3 | -0.5 | 0.0  | -0.4 | -0.2 |
| 9/5/2020 8:42 AM | 0.4 | -0.4 | 0.0  | -0.4 | -0.2 |
| 9/5/2020 8:48 AM | 0.4 | -0.4 | 0.0  | -0.4 | -0.2 |
| 9/5/2020 8:54 AM | 0.3 | -0.5 | 0.0  | -0.4 | -0.1 |
| 9/5/2020 9:00 AM | 0.3 | -0.4 | 0.0  | -0.4 | -0.1 |
| 9/5/2020 9:06 AM | 0.3 | -0.4 | 0.0  | -0.4 | -0.2 |
| 9/5/2020 9:12 AM | 0.3 | -0.4 | 0.0  | -0.4 | -0.1 |
| 9/5/2020 9:18 AM | 0.3 | -0.4 | 0.0  | -0.4 | -0.1 |
| 9/5/2020 9:24 AM | 0.3 | -0.5 | 0.0  | -0.4 | -0.1 |
| 9/5/2020 9:30 AM | 0.3 | -0.5 | 0.0  | -0.4 | -0.2 |
| 9/5/2020 9:36 AM | 0.3 | -0.5 | 0.0  | -0.4 | -0.2 |
| 9/5/2020 9:42 AM | 0.3 | -0.5 | 0.0  | -0.4 | -0.1 |
| 9/5/2020 9:48 AM | 0.3 | -0.5 | 0.0  | -0.4 | -0.1 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 9/5/2020 9:54 AM  | 0.3 | -0.5 | 0.0  | -0.4 | 4.8 |
| 9/5/2020 10:00 AM | 0.3 | -0.4 | 0.0  | -0.4 | 9.1 |
| 9/5/2020 10:06 AM | 0.3 | -0.4 | 0.0  | -0.4 | 6.6 |
| 9/5/2020 10:12 AM | 0.3 | -0.3 | 0.0  | -0.4 | 6.0 |
| 9/5/2020 10:18 AM | 0.3 | -0.3 | 0.1  | -0.4 | 5.9 |
| 9/5/2020 10:24 AM | 0.3 | -0.3 | 0.1  | -0.4 | 5.7 |
| 9/5/2020 10:30 AM | 0.4 | -0.2 | 0.1  | -0.4 | 5.0 |
| 9/5/2020 10:36 AM | 0.3 | -0.3 | 0.0  | -0.4 | 4.7 |
| 9/5/2020 10:42 AM | 0.3 | -0.3 | -0.1 | -0.4 | 4.4 |
| 9/5/2020 10:48 AM | 0.3 | -0.2 | -0.2 | -0.4 | 3.5 |
| 9/5/2020 10:54 AM | 0.4 | -0.2 | -0.3 | -0.4 | 3.2 |
| 9/5/2020 11:00 AM | 0.4 | -0.2 | -0.3 | -0.4 | 2.9 |
| 9/5/2020 11:06 AM | 0.3 | -0.1 | -0.3 | -0.4 | 2.7 |
| 9/5/2020 11:12 AM | 0.3 | -0.1 | -0.3 | -0.4 | 2.7 |
| 9/5/2020 11:18 AM | 0.3 | -0.1 | -0.3 | -0.4 | 2.7 |
| 9/5/2020 11:24 AM | 0.3 | -0.3 | -0.3 | -0.4 | 2.6 |
| 9/5/2020 11:30 AM | 0.4 | -0.4 | -0.3 | -0.4 | 2.6 |
| 9/5/2020 11:36 AM | 0.3 | -0.4 | -0.3 | -0.4 | 2.6 |
| 9/5/2020 11:42 AM | 0.4 | -0.4 | -0.2 | -0.4 | 2.5 |
| 9/5/2020 11:48 AM | 0.4 | -0.4 | -0.1 | -0.4 | 2.5 |
| 9/5/2020 11:54 AM | 0.4 | -0.3 | 0.1  | -0.4 | 2.5 |
| 9/5/2020 12:00 PM | 0.4 | -0.3 | 0.1  | -0.4 | 2.6 |
| 9/5/2020 12:06 PM | 0.6 | -0.2 | 0.3  | -0.4 | 2.4 |
| 9/5/2020 12:12 PM | 0.6 | -0.3 | 0.3  | -0.4 | 2.4 |
| 9/5/2020 12:18 PM | 0.6 | -0.3 | 0.3  | -0.4 | 2.4 |
| 9/5/2020 12:24 PM | 0.6 | -0.4 | 0.3  | -0.4 | 2.3 |
| 9/5/2020 12:30 PM | 0.6 | -0.3 | 0.2  | -0.4 | 2.3 |
| 9/5/2020 12:36 PM | 0.6 | -0.3 | 0.1  | -0.4 | 2.2 |
| 9/5/2020 12:42 PM | 0.6 | -0.2 | 0.0  | -0.4 | 2.2 |
| 9/5/2020 12:48 PM | 0.7 | -0.1 | -0.1 | -0.4 | 2.2 |
| 9/5/2020 12:54 PM | 0.7 | 0.0  | -0.2 | -0.4 | 2.2 |
| 9/5/2020 1:00 PM  | 0.7 | 0.1  | -0.2 | -0.4 | 2.2 |
| 9/5/2020 1:06 PM  | 0.7 | 0.1  | -0.3 | -0.4 | 2.2 |
| 9/5/2020 1:12 PM  | 0.7 | 0.1  | -0.2 | -0.4 | 2.2 |
| 9/5/2020 1:18 PM  | 0.6 | 0.0  | -0.1 | -0.4 | 2.2 |
| 9/5/2020 1:24 PM  | 0.6 | -0.2 | 0.0  | -0.4 | 2.2 |
| 9/5/2020 1:30 PM  | 0.6 | -0.2 | 0.1  | -0.4 | 2.2 |
| 9/5/2020 1:36 PM  | 0.6 | -0.3 | 0.2  | -0.4 | 2.3 |
| 9/5/2020 1:42 PM  | 0.6 | -0.3 | 0.2  | -0.4 | 2.3 |
| 9/5/2020 1:48 PM  | 0.6 | -0.3 | 0.2  | -0.4 | 2.4 |
| 9/5/2020 1:54 PM  | 0.6 | -0.3 | 0.2  | -0.4 | 2.3 |
| 9/5/2020 2:00 PM  | 0.6 | -0.2 | 0.0  | -0.4 | 2.3 |
| 9/5/2020 2:06 PM  | 0.6 | -0.1 | -0.2 | -0.4 | 2.3 |
| 9/5/2020 2:12 PM  | 0.6 | 0.1  | -0.3 | -0.3 | 2.3 |
| 9/5/2020 2:18 PM  | 0.6 | 0.3  | -0.4 | -0.3 | 2.3 |
| 9/5/2020 2:24 PM  | 0.6 | 0.4  | -0.5 | -0.3 | 2.2 |
| 9/5/2020 2:30 PM  | 0.6 | 0.5  | -0.6 | -0.3 | 2.2 |
| 9/5/2020 2:36 PM  | 0.6 | 0.6  | -0.6 | -0.3 | 2.2 |
| 9/5/2020 2:42 PM  | 0.6 | 0.6  | -0.6 | -0.3 | 2.2 |
| 9/5/2020 2:48 PM  | 0.6 | 0.6  | -0.5 | -0.3 | 2.2 |



|                  |     |     |      |      |     |
|------------------|-----|-----|------|------|-----|
| 9/5/2020 2:54 PM | 0.6 | 0.5 | -0.5 | -0.4 | 2.3 |
| 9/5/2020 3:00 PM | 0.6 | 0.3 | -0.4 | -0.4 | 2.3 |
| 9/5/2020 3:06 PM | 0.6 | 0.1 | -0.3 | -0.4 | 2.4 |
| 9/5/2020 3:12 PM | 0.6 | 0.0 | -0.3 | -0.4 | 2.4 |
| 9/5/2020 3:18 PM | 0.6 | 0.0 | -0.3 | -0.4 | 2.4 |
| 9/5/2020 3:24 PM | 0.6 | 0.1 | -0.4 | -0.4 | 2.3 |
| 9/5/2020 3:30 PM | 0.6 | 0.2 | -0.5 | -0.4 | 2.3 |
| 9/5/2020 3:36 PM | 0.6 | 0.4 | -0.6 | -0.4 | 2.3 |
| 9/5/2020 3:42 PM | 0.6 | 0.6 | -0.7 | -0.4 | 2.3 |
| 9/5/2020 3:48 PM | 0.6 | 0.8 | -0.7 | -0.4 | 2.3 |
| 9/5/2020 3:54 PM | 0.6 | 1.0 | -0.8 | -0.4 | 2.2 |
| 9/5/2020 4:00 PM | 0.6 | 1.3 | -0.8 | -0.4 | 2.3 |
| 9/5/2020 4:06 PM | 0.6 | 1.4 | -0.8 | -0.4 | 2.3 |
| 9/5/2020 4:12 PM | 0.6 | 1.4 | -0.7 | -0.4 | 2.3 |
| 9/5/2020 4:18 PM | 0.6 | 1.5 | -0.8 | -0.4 | 2.3 |
| 9/5/2020 4:24 PM | 0.6 | 1.5 | -0.8 | -0.4 | 2.3 |
| 9/5/2020 4:30 PM | 0.6 | 1.4 | -0.8 | -0.4 | 2.3 |
| 9/5/2020 4:36 PM | 0.6 | 1.4 | -0.8 | -0.4 | 2.3 |
| 9/5/2020 4:42 PM | 0.5 | 1.2 | -0.8 | -0.4 | 2.3 |
| 9/5/2020 4:48 PM | 0.5 | 1.1 | -0.9 | -0.4 | 2.4 |
| 9/5/2020 4:54 PM | 0.5 | 1.0 | -0.9 | -0.3 | 2.3 |
| 9/5/2020 5:00 PM | 0.5 | 0.9 | -0.9 | -0.3 | 2.3 |
| 9/5/2020 5:06 PM | 0.5 | 0.8 | -0.9 | -0.3 | 2.3 |
| 9/5/2020 5:12 PM | 0.5 | 0.7 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 5:18 PM | 0.5 | 0.5 | -0.9 | -0.4 | 2.1 |
| 9/5/2020 5:24 PM | 0.5 | 0.4 | -0.9 | -0.4 | 2.0 |
| 9/5/2020 5:30 PM | 0.5 | 0.4 | -0.9 | -0.4 | 2.1 |
| 9/5/2020 5:36 PM | 0.5 | 0.4 | -0.9 | -0.4 | 2.1 |
| 9/5/2020 5:42 PM | 0.5 | 0.5 | -0.9 | -0.3 | 2.1 |
| 9/5/2020 5:48 PM | 0.5 | 0.5 | -0.9 | -0.3 | 2.1 |
| 9/5/2020 5:54 PM | 0.5 | 0.6 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 6:00 PM | 0.5 | 0.9 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 6:06 PM | 0.5 | 1.1 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 6:12 PM | 0.5 | 1.4 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 6:18 PM | 0.5 | 1.6 | -0.9 | -0.3 | 2.3 |
| 9/5/2020 6:24 PM | 0.5 | 1.7 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 6:30 PM | 0.5 | 1.6 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 6:36 PM | 0.5 | 1.5 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 6:42 PM | 0.5 | 1.5 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 6:48 PM | 0.5 | 1.5 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 6:54 PM | 0.5 | 1.4 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 7:00 PM | 0.5 | 1.4 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 7:06 PM | 0.5 | 1.4 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 7:12 PM | 0.5 | 1.4 | -0.9 | -0.3 | 2.2 |
| 9/5/2020 7:18 PM | 0.5 | 1.4 | -0.8 | -0.3 | 2.2 |
| 9/5/2020 7:24 PM | 0.4 | 1.4 | -0.8 | -0.3 | 2.3 |
| 9/5/2020 7:30 PM | 0.4 | 1.4 | -0.8 | -0.3 | 2.3 |
| 9/5/2020 7:36 PM | 0.4 | 1.4 | -0.8 | -0.3 | 2.3 |
| 9/5/2020 7:42 PM | 0.4 | 1.3 | -0.8 | -0.3 | 2.3 |
| 9/5/2020 7:48 PM | 0.4 | 1.2 | -0.8 | -0.3 | 2.3 |



|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 9/5/2020 7:54 PM  | 0.4  | 1.2 | -0.8 | -0.3 | 2.3 |
| 9/5/2020 8:00 PM  | 0.4  | 1.3 | -0.8 | -0.3 | 2.3 |
| 9/5/2020 8:06 PM  | 0.4  | 1.2 | -0.8 | -0.3 | 2.3 |
| 9/5/2020 8:12 PM  | 0.4  | 1.2 | -0.8 | -0.3 | 2.3 |
| 9/5/2020 8:18 PM  | 0.4  | 1.2 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 8:24 PM  | 0.4  | 1.2 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 8:30 PM  | 0.4  | 1.2 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 8:36 PM  | 0.4  | 1.2 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 8:42 PM  | 0.4  | 1.2 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 8:48 PM  | 0.4  | 1.2 | -0.7 | -0.3 | 2.4 |
| 9/5/2020 8:54 PM  | 0.4  | 1.2 | -0.7 | -0.3 | 2.4 |
| 9/5/2020 9:00 PM  | 0.3  | 1.2 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 9:06 PM  | 0.3  | 1.2 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 9:12 PM  | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 9:18 PM  | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 9:24 PM  | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 9:30 PM  | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 9:36 PM  | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 9:42 PM  | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 9:48 PM  | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 9:54 PM  | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 10:00 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 10:06 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 10:12 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 10:18 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 10:24 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 10:30 PM | 0.4  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 10:36 PM | 0.4  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 10:42 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 10:48 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.4 |
| 9/5/2020 10:54 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 11:00 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 11:06 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 11:12 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 11:18 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 11:24 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 11:30 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 11:36 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.3 |
| 9/5/2020 11:42 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.4 |
| 9/5/2020 11:48 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.5 |
| 9/5/2020 11:54 PM | 0.3  | 1.3 | -0.7 | -0.3 | 2.5 |
| 9/6/2020 12:00 AM | 0.3  | 1.3 | -0.7 | -0.3 | 2.5 |
| 9/6/2020 12:06 AM | 0.3  | 1.3 | -0.7 | -0.3 | 2.4 |
| 9/6/2020 12:12 AM | 0.3  | 1.3 | -0.7 | -0.3 | 2.4 |
| 9/6/2020 12:18 AM | 0.3  | 1.3 | -0.7 | -0.3 | 2.4 |
| 9/6/2020 12:24 AM | 0.2  | 1.3 | -0.7 | -0.3 | 3.3 |
| 9/6/2020 12:30 AM | -0.2 | 1.3 | -0.7 | -0.3 | 4.8 |
| 9/6/2020 12:36 AM | -0.5 | 1.3 | -0.7 | -0.3 | 4.9 |
| 9/6/2020 12:42 AM | -0.5 | 1.3 | -0.7 | -0.3 | 4.4 |
| 9/6/2020 12:48 AM | -0.5 | 1.3 | -0.7 | -0.3 | 4.2 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 9/6/2020 12:54 AM | -0.5 | 1.3 | -0.7 | -0.3 | 4.1 |
| 9/6/2020 1:00 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 4.0 |
| 9/6/2020 1:06 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 4.1 |
| 9/6/2020 1:12 AM  | -0.5 | 1.3 | -0.7 | -0.3 | 4.1 |
| 9/6/2020 1:18 AM  | -0.5 | 1.3 | -0.7 | -0.3 | 4.1 |
| 9/6/2020 1:24 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 4.1 |
| 9/6/2020 1:30 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 4.1 |
| 9/6/2020 1:36 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 3.9 |
| 9/6/2020 1:42 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 3.9 |
| 9/6/2020 1:48 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 4.0 |
| 9/6/2020 1:54 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 4.0 |
| 9/6/2020 2:00 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 3.9 |
| 9/6/2020 2:06 AM  | -0.5 | 1.3 | -0.7 | -0.3 | 3.8 |
| 9/6/2020 2:12 AM  | -0.5 | 1.3 | -0.7 | -0.3 | 3.6 |
| 9/6/2020 2:18 AM  | -0.5 | 1.3 | -0.7 | -0.3 | 3.7 |
| 9/6/2020 2:24 AM  | -0.5 | 1.3 | -0.7 | -0.3 | 3.9 |
| 9/6/2020 2:30 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 3.8 |
| 9/6/2020 2:36 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 3.7 |
| 9/6/2020 2:42 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 3.6 |
| 9/6/2020 2:48 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 3.6 |
| 9/6/2020 2:54 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 3.6 |
| 9/6/2020 3:00 AM  | -0.5 | 1.3 | -0.7 | -0.3 | 3.6 |
| 9/6/2020 3:06 AM  | -0.5 | 1.3 | -0.7 | -0.3 | 3.6 |
| 9/6/2020 3:12 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 3.5 |
| 9/6/2020 3:18 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 3.5 |
| 9/6/2020 3:24 AM  | -0.4 | 1.3 | -0.7 | -0.3 | 3.6 |
| 9/6/2020 3:30 AM  | -0.4 | 1.4 | -0.6 | -0.3 | 3.6 |
| 9/6/2020 3:36 AM  | -0.4 | 1.4 | -0.6 | -0.3 | 3.6 |
| 9/6/2020 3:42 AM  | -0.4 | 1.4 | -0.6 | -0.3 | 3.6 |
| 9/6/2020 3:48 AM  | -0.4 | 1.4 | -0.6 | -0.3 | 3.6 |
| 9/6/2020 3:54 AM  | -0.4 | 1.4 | -0.6 | -0.3 | 3.6 |
| 9/6/2020 4:00 AM  | -0.5 | 1.4 | -0.6 | -0.3 | 3.6 |
| 9/6/2020 4:06 AM  | -0.5 | 1.4 | -0.6 | -0.3 | 3.5 |
| 9/6/2020 4:12 AM  | -0.4 | 1.4 | -0.7 | -0.3 | 2.9 |
| 9/6/2020 4:18 AM  | -0.4 | 1.4 | -0.7 | -0.3 | 2.5 |
| 9/6/2020 4:24 AM  | -0.4 | 1.4 | -0.7 | -0.3 | 2.6 |
| 9/6/2020 4:30 AM  | -0.5 | 1.4 | -0.7 | -0.3 | 2.6 |
| 9/6/2020 4:36 AM  | -0.5 | 1.4 | -0.7 | -0.3 | 2.6 |
| 9/6/2020 4:42 AM  | -0.5 | 1.4 | -0.7 | -0.3 | 2.7 |
| 9/6/2020 4:48 AM  | -0.4 | 1.4 | -0.6 | -0.3 | 2.6 |
| 9/6/2020 4:54 AM  | -0.5 | 1.4 | -0.6 | -0.3 | 2.5 |
| 9/6/2020 5:00 AM  | -0.5 | 1.4 | -0.6 | -0.3 | 2.5 |
| 9/6/2020 5:06 AM  | -0.5 | 1.4 | -0.6 | -0.3 | 2.6 |
| 9/6/2020 5:12 AM  | -0.4 | 1.4 | -0.6 | -0.3 | 2.6 |
| 9/6/2020 5:18 AM  | -0.4 | 1.4 | -0.6 | -0.3 | 2.6 |
| 9/6/2020 5:24 AM  | -0.4 | 1.4 | -0.6 | -0.3 | 2.6 |
| 9/6/2020 5:30 AM  | -0.5 | 1.4 | -0.6 | -0.3 | 2.5 |
| 9/6/2020 5:36 AM  | -0.4 | 1.4 | -0.6 | -0.3 | 2.5 |
| 9/6/2020 5:42 AM  | -0.4 | 1.4 | -0.7 | -0.3 | 2.5 |
| 9/6/2020 5:48 AM  | -0.5 | 1.5 | -0.7 | -0.3 | 2.6 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 9/6/2020 5:54 AM  | -0.4 | 1.6  | -0.8 | -0.3 | 2.6 |
| 9/6/2020 6:00 AM  | -0.5 | 1.9  | -0.8 | -0.3 | 2.6 |
| 9/6/2020 6:06 AM  | -0.5 | 2.0  | -0.9 | -0.3 | 2.5 |
| 9/6/2020 6:12 AM  | -0.4 | 2.1  | -1.0 | -0.3 | 2.5 |
| 9/6/2020 6:18 AM  | -0.4 | 2.0  | -1.0 | -0.3 | 2.5 |
| 9/6/2020 6:24 AM  | -0.4 | 2.0  | -1.0 | -0.3 | 2.5 |
| 9/6/2020 6:30 AM  | -0.5 | 1.9  | -1.0 | -0.3 | 2.6 |
| 9/6/2020 6:36 AM  | -0.5 | 1.8  | -1.0 | -0.3 | 2.6 |
| 9/6/2020 6:42 AM  | -0.4 | 1.8  | -1.0 | -0.4 | 2.6 |
| 9/6/2020 6:48 AM  | -0.4 | 1.7  | -1.0 | -0.4 | 2.6 |
| 9/6/2020 6:54 AM  | -0.4 | 1.5  | -1.0 | -0.4 | 2.6 |
| 9/6/2020 7:00 AM  | -0.4 | 1.4  | -1.0 | -0.4 | 2.8 |
| 9/6/2020 7:06 AM  | -0.4 | 1.5  | -1.0 | -0.4 | 2.9 |
| 9/6/2020 7:12 AM  | -0.4 | 1.7  | -1.0 | -0.4 | 2.8 |
| 9/6/2020 7:18 AM  | -0.4 | 1.7  | -1.0 | -0.4 | 2.8 |
| 9/6/2020 7:24 AM  | -0.4 | 1.6  | -1.0 | -0.4 | 2.8 |
| 9/6/2020 7:30 AM  | -0.3 | 1.6  | -1.0 | -0.4 | 3.1 |
| 9/6/2020 7:36 AM  | -0.3 | 1.6  | -1.0 | -0.4 | 3.5 |
| 9/6/2020 7:42 AM  | -0.3 | 1.6  | -0.9 | -0.4 | 3.4 |
| 9/6/2020 7:48 AM  | -0.3 | 1.7  | -0.8 | -0.4 | 3.3 |
| 9/6/2020 7:54 AM  | -0.3 | 1.7  | -0.7 | -0.4 | 3.3 |
| 9/6/2020 8:00 AM  | -0.3 | 1.7  | -0.5 | -0.4 | 3.3 |
| 9/6/2020 8:06 AM  | -0.3 | 1.7  | -0.4 | -0.4 | 3.3 |
| 9/6/2020 8:12 AM  | -0.2 | 1.7  | -0.3 | -0.4 | 3.4 |
| 9/6/2020 8:18 AM  | -0.2 | 1.6  | -0.2 | -0.4 | 3.4 |
| 9/6/2020 8:24 AM  | -0.2 | 1.4  | -0.1 | -0.4 | 3.4 |
| 9/6/2020 8:30 AM  | -0.2 | 1.0  | -0.1 | -0.4 | 3.4 |
| 9/6/2020 8:36 AM  | -0.2 | 0.6  | 0.0  | -0.4 | 3.3 |
| 9/6/2020 8:42 AM  | -0.2 | 0.3  | 0.0  | -0.4 | 3.3 |
| 9/6/2020 8:48 AM  | -0.2 | 0.1  | 0.1  | -0.4 | 3.3 |
| 9/6/2020 8:54 AM  | -0.2 | 0.1  | 0.1  | 1.8  | 3.3 |
| 9/6/2020 9:00 AM  | -0.2 | 0.1  | 0.1  | 14.8 | 2.8 |
| 9/6/2020 9:06 AM  | -0.2 | 0.1  | 0.1  | 12.9 | 2.2 |
| 9/6/2020 9:12 AM  | -0.2 | 0.1  | 0.1  | 6.9  | 2.3 |
| 9/6/2020 9:18 AM  | -0.2 | 0.0  | 0.1  | 5.5  | 2.3 |
| 9/6/2020 9:24 AM  | -0.2 | 0.0  | 0.0  | 4.7  | 2.3 |
| 9/6/2020 9:30 AM  | -0.2 | -0.1 | 0.0  | 3.1  | 2.3 |
| 9/6/2020 9:36 AM  | -0.2 | -0.2 | 0.0  | 2.6  | 2.4 |
| 9/6/2020 9:42 AM  | -0.2 | -0.2 | 0.0  | 2.2  | 2.4 |
| 9/6/2020 9:48 AM  | -0.2 | -0.2 | 0.0  | 2.1  | 2.4 |
| 9/6/2020 9:54 AM  | -0.2 | -0.2 | 0.0  | 2.2  | 2.4 |
| 9/6/2020 10:00 AM | -0.3 | -0.1 | 0.1  | 2.2  | 2.4 |
| 9/6/2020 10:06 AM | -0.3 | 0.0  | 0.1  | 2.4  | 2.4 |
| 9/6/2020 10:12 AM | -0.3 | 0.1  | 0.1  | 2.5  | 2.4 |
| 9/6/2020 10:18 AM | -0.2 | 0.1  | 0.2  | 2.6  | 2.4 |
| 9/6/2020 10:24 AM | -0.2 | 0.2  | 0.2  | 2.5  | 2.4 |
| 9/6/2020 10:30 AM | -0.2 | 0.2  | 0.2  | 2.5  | 2.5 |
| 9/6/2020 10:36 AM | -0.2 | 0.2  | 0.1  | 2.4  | 2.5 |
| 9/6/2020 10:42 AM | -0.2 | 0.2  | 0.0  | 2.2  | 2.5 |
| 9/6/2020 10:48 AM | -0.2 | 0.2  | -0.2 | 2.0  | 2.5 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 9/6/2020 10:54 AM | -0.2 | 0.2 | -0.2 | 1.8 | 2.5 |
| 9/6/2020 11:00 AM | -0.2 | 0.3 | -0.2 | 1.7 | 2.5 |
| 9/6/2020 11:06 AM | -0.2 | 0.3 | -0.2 | 1.6 | 2.5 |
| 9/6/2020 11:12 AM | -0.2 | 0.3 | -0.2 | 1.4 | 2.5 |
| 9/6/2020 11:18 AM | -0.2 | 0.3 | -0.2 | 1.3 | 2.6 |
| 9/6/2020 11:24 AM | -0.2 | 0.2 | -0.2 | 1.3 | 2.6 |
| 9/6/2020 11:30 AM | -0.2 | 0.1 | -0.2 | 1.3 | 2.5 |
| 9/6/2020 11:36 AM | -0.2 | 0.0 | -0.2 | 1.2 | 2.5 |
| 9/6/2020 11:42 AM | -0.2 | 0.1 | -0.1 | 1.2 | 2.5 |
| 9/6/2020 11:48 AM | -0.1 | 0.1 | -0.1 | 1.2 | 2.6 |
| 9/6/2020 11:54 AM | -0.1 | 0.2 | -0.1 | 1.1 | 2.5 |
| 9/6/2020 12:00 PM | -0.2 | 0.3 | -0.1 | 1.1 | 2.5 |
| 9/6/2020 12:06 PM | -0.2 | 0.1 | 0.1  | 1.1 | 2.5 |
| 9/6/2020 12:12 PM | -0.2 | 0.0 | 0.2  | 1.1 | 2.6 |
| 9/6/2020 12:18 PM | -0.2 | 0.0 | 0.2  | 1.1 | 2.5 |
| 9/6/2020 12:24 PM | -0.2 | 0.0 | 0.2  | 1.2 | 2.5 |
| 9/6/2020 12:30 PM | -0.2 | 0.0 | 0.1  | 1.6 | 2.6 |
| 9/6/2020 12:36 PM | -0.2 | 0.2 | -0.1 | 2.1 | 2.7 |
| 9/6/2020 12:42 PM | -0.2 | 0.4 | -0.2 | 1.9 | 2.7 |
| 9/6/2020 12:48 PM | -0.2 | 0.5 | -0.3 | 1.8 | 2.7 |
| 9/6/2020 12:54 PM | -0.2 | 0.6 | -0.3 | 1.7 | 2.6 |
| 9/6/2020 1:00 PM  | -0.2 | 0.7 | -0.3 | 1.7 | 2.6 |
| 9/6/2020 1:06 PM  | -0.2 | 0.8 | -0.4 | 1.7 | 2.6 |
| 9/6/2020 1:12 PM  | -0.2 | 0.8 | -0.4 | 1.7 | 2.6 |
| 9/6/2020 1:18 PM  | -0.2 | 0.8 | -0.3 | 1.7 | 2.6 |
| 9/6/2020 1:24 PM  | -0.2 | 0.6 | -0.2 | 1.7 | 2.6 |
| 9/6/2020 1:30 PM  | -0.2 | 0.5 | -0.1 | 1.7 | 2.5 |
| 9/6/2020 1:36 PM  | -0.2 | 0.3 | 0.0  | 1.7 | 2.5 |
| 9/6/2020 1:42 PM  | -0.2 | 0.2 | 0.0  | 1.7 | 2.5 |
| 9/6/2020 1:48 PM  | -0.2 | 0.2 | -0.1 | 1.6 | 2.5 |
| 9/6/2020 1:54 PM  | -0.3 | 0.2 | -0.1 | 1.2 | 2.4 |
| 9/6/2020 2:00 PM  | -0.3 | 0.2 | -0.2 | 1.0 | 2.4 |
| 9/6/2020 2:06 PM  | -0.2 | 0.3 | -0.3 | 1.0 | 2.5 |
| 9/6/2020 2:12 PM  | -0.2 | 0.4 | -0.4 | 1.1 | 2.5 |
| 9/6/2020 2:18 PM  | -0.2 | 0.6 | -0.5 | 1.0 | 2.5 |
| 9/6/2020 2:24 PM  | -0.3 | 0.7 | -0.5 | 1.0 | 2.5 |
| 9/6/2020 2:30 PM  | -0.2 | 0.9 | -0.6 | 1.1 | 2.5 |
| 9/6/2020 2:36 PM  | -0.2 | 1.0 | -0.6 | 1.1 | 2.6 |
| 9/6/2020 2:42 PM  | -0.3 | 1.1 | -0.6 | 1.1 | 2.7 |
| 9/6/2020 2:48 PM  | -0.2 | 1.1 | -0.6 | 1.1 | 2.7 |
| 9/6/2020 2:54 PM  | -0.2 | 1.1 | -0.6 | 1.2 | 2.7 |
| 9/6/2020 3:00 PM  | -0.2 | 1.1 | -0.6 | 1.2 | 2.7 |
| 9/6/2020 3:06 PM  | -0.3 | 1.1 | -0.5 | 1.1 | 2.7 |
| 9/6/2020 3:12 PM  | -0.3 | 0.9 | -0.5 | 1.1 | 2.7 |
| 9/6/2020 3:18 PM  | -0.3 | 0.9 | -0.5 | 1.1 | 2.7 |
| 9/6/2020 3:24 PM  | -0.3 | 0.9 | -0.5 | 1.1 | 2.7 |
| 9/6/2020 3:30 PM  | -0.3 | 1.0 | -0.6 | 1.1 | 2.7 |
| 9/6/2020 3:36 PM  | -0.2 | 1.1 | -0.7 | 1.1 | 2.6 |
| 9/6/2020 3:42 PM  | -0.2 | 1.3 | -0.7 | 1.2 | 2.7 |
| 9/6/2020 3:48 PM  | -0.2 | 1.5 | -0.7 | 1.1 | 2.7 |

|                  |      |     |      |     |     |
|------------------|------|-----|------|-----|-----|
| 9/6/2020 3:54 PM | -0.3 | 1.7 | -0.8 | 1.1 | 2.6 |
| 9/6/2020 4:00 PM | -0.3 | 1.8 | -0.7 | 1.1 | 2.6 |
| 9/6/2020 4:06 PM | -0.3 | 1.8 | -0.7 | 1.1 | 2.7 |
| 9/6/2020 4:12 PM | -0.3 | 1.8 | -0.7 | 1.1 | 2.7 |
| 9/6/2020 4:18 PM | -0.3 | 1.8 | -0.7 | 1.2 | 2.7 |
| 9/6/2020 4:24 PM | -0.3 | 1.8 | -0.7 | 1.2 | 2.8 |
| 9/6/2020 4:30 PM | -0.3 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/6/2020 4:36 PM | -0.3 | 1.6 | -0.7 | 1.2 | 2.7 |
| 9/6/2020 4:42 PM | -0.3 | 1.5 | -0.7 | 1.2 | 2.7 |
| 9/6/2020 4:48 PM | -0.3 | 1.5 | -0.7 | 1.2 | 2.6 |
| 9/6/2020 4:54 PM | -0.3 | 1.5 | -0.7 | 1.1 | 2.7 |
| 9/6/2020 5:00 PM | -0.3 | 1.4 | -0.8 | 1.2 | 2.8 |
| 9/6/2020 5:06 PM | -0.3 | 1.2 | -0.8 | 1.2 | 2.9 |
| 9/6/2020 5:12 PM | -0.3 | 1.0 | -0.8 | 1.2 | 2.8 |
| 9/6/2020 5:18 PM | -0.3 | 0.9 | -0.8 | 1.2 | 2.7 |
| 9/6/2020 5:24 PM | -0.3 | 1.0 | -0.8 | 1.2 | 2.7 |
| 9/6/2020 5:30 PM | -0.3 | 1.2 | -0.8 | 1.2 | 2.7 |
| 9/6/2020 5:36 PM | -0.3 | 1.3 | -0.8 | 1.2 | 2.7 |
| 9/6/2020 5:42 PM | -0.3 | 1.2 | -0.8 | 1.2 | 2.7 |
| 9/6/2020 5:48 PM | -0.4 | 1.3 | -0.8 | 1.2 | 2.6 |
| 9/6/2020 5:54 PM | -0.4 | 1.4 | -0.8 | 1.3 | 2.6 |
| 9/6/2020 6:00 PM | -0.4 | 1.5 | -0.8 | 1.3 | 2.6 |
| 9/6/2020 6:06 PM | -0.4 | 1.6 | -0.8 | 1.3 | 2.6 |
| 9/6/2020 6:12 PM | -0.4 | 1.7 | -0.8 | 1.3 | 2.6 |
| 9/6/2020 6:18 PM | -0.4 | 1.7 | -0.8 | 1.3 | 2.6 |
| 9/6/2020 6:24 PM | -0.4 | 1.8 | -0.8 | 1.2 | 2.6 |
| 9/6/2020 6:30 PM | -0.4 | 1.8 | -0.8 | 1.3 | 2.6 |
| 9/6/2020 6:36 PM | -0.4 | 1.9 | -0.8 | 1.3 | 2.6 |
| 9/6/2020 6:42 PM | -0.4 | 1.9 | -0.8 | 1.3 | 2.6 |
| 9/6/2020 6:48 PM | -0.4 | 1.9 | -0.8 | 1.3 | 2.6 |
| 9/6/2020 6:54 PM | -0.4 | 1.9 | -0.8 | 1.3 | 2.7 |
| 9/6/2020 7:00 PM | -0.4 | 1.9 | -0.8 | 1.3 | 2.7 |
| 9/6/2020 7:06 PM | -0.4 | 1.9 | -0.8 | 1.3 | 2.7 |
| 9/6/2020 7:12 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.6 |
| 9/6/2020 7:18 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.6 |
| 9/6/2020 7:24 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.6 |
| 9/6/2020 7:30 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.6 |
| 9/6/2020 7:36 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.6 |
| 9/6/2020 7:42 PM | -0.4 | 1.9 | -0.7 | 1.2 | 2.7 |
| 9/6/2020 7:48 PM | -0.4 | 1.9 | -0.7 | 1.2 | 2.7 |
| 9/6/2020 7:54 PM | -0.4 | 1.9 | -0.7 | 1.2 | 2.7 |
| 9/6/2020 8:00 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 8:06 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 8:12 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 8:18 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 8:24 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.6 |
| 9/6/2020 8:30 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.6 |
| 9/6/2020 8:36 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.6 |
| 9/6/2020 8:42 PM | -0.4 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 8:48 PM | -0.4 | 1.8 | -0.7 | 1.3 | 2.7 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 9/6/2020 8:54 PM  | -0.4 | 1.9 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 9:00 PM  | -0.4 | 1.9 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 9:06 PM  | -0.4 | 1.9 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 9:12 PM  | -0.4 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 9:18 PM  | -0.4 | 1.9 | -0.7 | 1.4 | 2.7 |
| 9/6/2020 9:24 PM  | -0.4 | 1.9 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 9:30 PM  | -0.4 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 9:36 PM  | -0.4 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 9:42 PM  | -0.4 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 9:48 PM  | -0.4 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 9:54 PM  | -0.4 | 1.9 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 10:00 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 10:06 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.7 |
| 9/6/2020 10:12 PM | -0.4 | 1.9 | -0.7 | 1.4 | 2.7 |
| 9/6/2020 10:18 PM | -0.4 | 1.9 | -0.7 | 1.4 | 2.6 |
| 9/6/2020 10:24 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.6 |
| 9/6/2020 10:30 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.6 |
| 9/6/2020 10:36 PM | -0.4 | 1.9 | -0.7 | 1.3 | 2.6 |
| 9/6/2020 10:42 PM | -0.4 | 1.9 | -0.7 | 2.8 | 2.4 |
| 9/6/2020 10:48 PM | -0.5 | 1.9 | -0.7 | 4.9 | 1.0 |
| 9/6/2020 10:54 PM | -0.4 | 1.9 | -0.7 | 5.0 | 0.0 |
| 9/6/2020 11:00 PM | -0.4 | 1.9 | -0.7 | 4.9 | 0.0 |
| 9/6/2020 11:06 PM | -0.4 | 1.8 | -0.7 | 4.5 | 0.0 |
| 9/6/2020 11:12 PM | -0.4 | 1.8 | -0.7 | 4.2 | 0.0 |
| 9/6/2020 11:18 PM | -0.5 | 1.8 | -0.7 | 4.2 | 0.0 |
| 9/6/2020 11:24 PM | -0.4 | 1.8 | -0.7 | 4.0 | 0.1 |
| 9/6/2020 11:30 PM | -0.4 | 1.8 | -0.7 | 3.9 | 0.1 |
| 9/6/2020 11:36 PM | -0.4 | 1.8 | -0.7 | 3.8 | 0.0 |
| 9/6/2020 11:42 PM | -0.5 | 1.8 | -0.7 | 3.8 | 0.0 |
| 9/6/2020 11:48 PM | -0.5 | 1.7 | -0.7 | 3.8 | 0.1 |
| 9/6/2020 11:54 PM | -0.5 | 1.7 | -0.7 | 3.8 | 0.0 |
| 9/7/2020 12:00 AM | -0.4 | 1.7 | -0.7 | 3.8 | 0.0 |
| 9/7/2020 12:06 AM | -0.4 | 1.7 | -0.7 | 3.6 | 0.0 |
| 9/7/2020 12:12 AM | -0.5 | 1.7 | -0.7 | 3.5 | 0.0 |
| 9/7/2020 12:18 AM | -0.5 | 1.7 | -0.7 | 3.5 | 0.0 |
| 9/7/2020 12:24 AM | -0.4 | 1.7 | -0.7 | 3.4 | 0.0 |
| 9/7/2020 12:30 AM | -0.5 | 1.7 | -0.7 | 3.5 | 0.0 |
| 9/7/2020 12:36 AM | -0.5 | 1.7 | -0.7 | 3.4 | 0.0 |
| 9/7/2020 12:42 AM | -0.5 | 1.7 | -0.7 | 3.3 | 0.0 |
| 9/7/2020 12:48 AM | -0.4 | 1.7 | -0.7 | 3.3 | 0.0 |
| 9/7/2020 12:54 AM | -0.4 | 1.7 | -0.7 | 3.3 | 0.0 |
| 9/7/2020 1:00 AM  | -0.5 | 1.7 | -0.7 | 3.5 | 0.0 |
| 9/7/2020 1:06 AM  | -0.5 | 1.7 | -0.7 | 3.5 | 0.0 |
| 9/7/2020 1:12 AM  | -0.5 | 1.7 | -0.7 | 3.5 | 0.1 |
| 9/7/2020 1:18 AM  | -0.5 | 1.7 | -0.7 | 3.5 | 0.1 |
| 9/7/2020 1:24 AM  | -0.5 | 1.7 | -0.7 | 3.4 | 0.0 |
| 9/7/2020 1:30 AM  | -0.5 | 1.6 | -0.7 | 3.3 | 0.0 |
| 9/7/2020 1:36 AM  | -0.5 | 1.6 | -0.7 | 3.3 | 0.1 |
| 9/7/2020 1:42 AM  | -0.5 | 1.6 | -0.7 | 3.2 | 0.0 |
| 9/7/2020 1:48 AM  | -0.5 | 1.6 | -0.7 | 3.1 | 0.1 |

|                  |      |     |      |     |     |
|------------------|------|-----|------|-----|-----|
| 9/7/2020 1:54 AM | -0.5 | 1.6 | -0.7 | 3.2 | 0.1 |
| 9/7/2020 2:00 AM | -0.5 | 1.6 | -0.7 | 3.3 | 0.0 |
| 9/7/2020 2:06 AM | -0.5 | 1.6 | -0.7 | 3.4 | 0.0 |
| 9/7/2020 2:12 AM | -0.5 | 1.6 | -0.7 | 3.4 | 0.0 |
| 9/7/2020 2:18 AM | -0.5 | 1.6 | -0.7 | 3.3 | 0.0 |
| 9/7/2020 2:24 AM | -0.5 | 1.6 | -0.7 | 3.1 | 0.1 |
| 9/7/2020 2:30 AM | -0.5 | 1.6 | -0.7 | 3.0 | 0.1 |
| 9/7/2020 2:36 AM | -0.5 | 1.6 | -0.7 | 2.9 | 0.1 |
| 9/7/2020 2:42 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.1 |
| 9/7/2020 2:48 AM | -0.5 | 1.5 | -0.7 | 2.9 | 0.1 |
| 9/7/2020 2:54 AM | -0.5 | 1.5 | -0.7 | 3.0 | 0.1 |
| 9/7/2020 3:00 AM | -0.5 | 1.5 | -0.7 | 3.0 | 0.0 |
| 9/7/2020 3:06 AM | -0.5 | 1.5 | -0.7 | 3.0 | 0.0 |
| 9/7/2020 3:12 AM | -0.5 | 1.5 | -0.7 | 2.9 | 0.0 |
| 9/7/2020 3:18 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 3:24 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 3:30 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 3:36 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 3:42 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 3:48 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.1 |
| 9/7/2020 3:54 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 4:00 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 4:06 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 4:12 AM | -0.5 | 1.5 | -0.7 | 2.9 | 0.0 |
| 9/7/2020 4:18 AM | -0.5 | 1.5 | -0.7 | 2.9 | 0.0 |
| 9/7/2020 4:24 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 4:30 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 4:36 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 4:42 AM | -0.5 | 1.5 | -0.7 | 2.8 | 0.0 |
| 9/7/2020 4:48 AM | -0.5 | 1.5 | -0.7 | 2.9 | 0.1 |
| 9/7/2020 4:54 AM | -0.5 | 1.5 | -0.7 | 2.9 | 0.1 |
| 9/7/2020 5:00 AM | -0.5 | 1.5 | -0.7 | 3.0 | 0.1 |
| 9/7/2020 5:06 AM | -0.5 | 1.5 | -0.7 | 2.9 | 0.0 |
| 9/7/2020 5:12 AM | -0.5 | 1.5 | -0.7 | 2.9 | 0.0 |
| 9/7/2020 5:18 AM | -0.5 | 1.5 | -0.7 | 2.9 | 0.0 |
| 9/7/2020 5:24 AM | -0.5 | 1.5 | -0.7 | 2.9 | 0.0 |
| 9/7/2020 5:30 AM | -0.5 | 1.5 | -0.7 | 2.9 | 0.0 |
| 9/7/2020 5:36 AM | -0.5 | 1.5 | -0.7 | 3.8 | 0.0 |
| 9/7/2020 5:42 AM | -0.5 | 1.5 | -0.7 | 5.1 | 0.0 |
| 9/7/2020 5:48 AM | -0.5 | 1.6 | -0.7 | 5.0 | 0.0 |
| 9/7/2020 5:54 AM | -0.5 | 1.7 | -0.7 | 4.9 | 0.1 |
| 9/7/2020 6:00 AM | -0.5 | 1.9 | -0.8 | 4.8 | 0.0 |
| 9/7/2020 6:06 AM | -0.5 | 2.1 | -0.8 | 4.7 | 0.1 |
| 9/7/2020 6:12 AM | -0.5 | 2.2 | -0.9 | 4.7 | 0.1 |
| 9/7/2020 6:18 AM | -0.5 | 2.1 | -1.0 | 4.7 | 0.1 |
| 9/7/2020 6:24 AM | -0.5 | 2.1 | -1.0 | 4.6 | 0.1 |
| 9/7/2020 6:30 AM | -0.5 | 2.0 | -1.0 | 4.6 | 0.0 |
| 9/7/2020 6:36 AM | -0.5 | 2.0 | -1.0 | 4.7 | 0.0 |
| 9/7/2020 6:42 AM | -0.5 | 1.9 | -1.0 | 4.7 | 0.1 |
| 9/7/2020 6:48 AM | -0.5 | 1.8 | -1.0 | 4.7 | 0.0 |



|                   |      |     |      |     |      |
|-------------------|------|-----|------|-----|------|
| 9/7/2020 6:54 AM  | -0.5 | 1.8 | -1.0 | 4.7 | 0.0  |
| 9/7/2020 7:00 AM  | -0.4 | 1.7 | -1.0 | 4.7 | 0.0  |
| 9/7/2020 7:06 AM  | -0.4 | 1.6 | -1.0 | 4.6 | 0.1  |
| 9/7/2020 7:12 AM  | -0.4 | 1.3 | -0.9 | 4.5 | 0.1  |
| 9/7/2020 7:18 AM  | -0.4 | 1.1 | -0.8 | 4.6 | 0.1  |
| 9/7/2020 7:24 AM  | -0.4 | 1.2 | -0.8 | 4.6 | 0.1  |
| 9/7/2020 7:30 AM  | -0.4 | 1.5 | -0.8 | 4.6 | 0.1  |
| 9/7/2020 7:36 AM  | -0.4 | 1.9 | -0.8 | 4.7 | 0.1  |
| 9/7/2020 7:42 AM  | -0.4 | 2.2 | -0.7 | 4.7 | 0.1  |
| 9/7/2020 7:48 AM  | -0.4 | 2.4 | -0.7 | 4.7 | 0.1  |
| 9/7/2020 7:54 AM  | -0.4 | 2.6 | -0.6 | 4.7 | 0.0  |
| 9/7/2020 8:00 AM  | -0.3 | 2.7 | -0.5 | 4.7 | 0.1  |
| 9/7/2020 8:06 AM  | -0.3 | 2.7 | -0.4 | 4.8 | 0.1  |
| 9/7/2020 8:12 AM  | -0.3 | 2.6 | -0.3 | 4.7 | 0.0  |
| 9/7/2020 8:18 AM  | -0.3 | 2.4 | -0.3 | 4.7 | 0.0  |
| 9/7/2020 8:24 AM  | -0.3 | 2.1 | -0.3 | 4.5 | 0.0  |
| 9/7/2020 8:30 AM  | -0.3 | 1.7 | -0.2 | 4.4 | 0.0  |
| 9/7/2020 8:36 AM  | -0.3 | 1.3 | -0.2 | 4.3 | 0.0  |
| 9/7/2020 8:42 AM  | -0.3 | 1.0 | -0.2 | 4.3 | 0.1  |
| 9/7/2020 8:48 AM  | -0.3 | 0.7 | -0.1 | 4.5 | 0.1  |
| 9/7/2020 8:54 AM  | -0.3 | 0.5 | -0.1 | 4.6 | 0.1  |
| 9/7/2020 9:00 AM  | -0.3 | 0.4 | -0.1 | 3.0 | 8.7  |
| 9/7/2020 9:06 AM  | -0.3 | 0.3 | -0.1 | 1.0 | 10.8 |
| 9/7/2020 9:12 AM  | -0.3 | 0.3 | -0.1 | 1.1 | 7.8  |
| 9/7/2020 9:18 AM  | -0.3 | 0.3 | -0.1 | 1.1 | 7.1  |
| 9/7/2020 9:24 AM  | -0.3 | 0.3 | -0.1 | 1.1 | 6.8  |
| 9/7/2020 9:30 AM  | -0.3 | 0.2 | -0.2 | 1.1 | 6.2  |
| 9/7/2020 9:36 AM  | -0.3 | 0.1 | -0.2 | 1.2 | 5.2  |
| 9/7/2020 9:42 AM  | -0.3 | 0.1 | -0.1 | 1.2 | 4.4  |
| 9/7/2020 9:48 AM  | -0.3 | 0.1 | -0.1 | 1.2 | 3.9  |
| 9/7/2020 9:54 AM  | -0.3 | 0.2 | -0.1 | 1.2 | 3.7  |
| 9/7/2020 10:00 AM | -0.3 | 0.2 | 0.0  | 1.2 | 3.5  |
| 9/7/2020 10:06 AM | -0.3 | 0.3 | 0.0  | 1.3 | 3.4  |
| 9/7/2020 10:12 AM | -0.3 | 0.4 | 0.0  | 1.3 | 3.3  |
| 9/7/2020 10:18 AM | -0.3 | 0.4 | 0.0  | 1.3 | 3.2  |
| 9/7/2020 10:24 AM | -0.3 | 0.4 | 0.0  | 1.2 | 3.1  |
| 9/7/2020 10:30 AM | -0.3 | 0.5 | 0.0  | 1.1 | 2.9  |
| 9/7/2020 10:36 AM | -0.3 | 0.5 | -0.1 | 1.1 | 2.8  |
| 9/7/2020 10:42 AM | -0.3 | 0.5 | -0.2 | 1.1 | 2.8  |
| 9/7/2020 10:48 AM | -0.3 | 0.5 | -0.3 | 1.1 | 2.8  |
| 9/7/2020 10:54 AM | -0.3 | 0.5 | -0.3 | 1.1 | 2.8  |
| 9/7/2020 11:00 AM | -0.3 | 0.6 | -0.3 | 1.1 | 2.8  |
| 9/7/2020 11:06 AM | -0.3 | 0.6 | -0.3 | 1.1 | 2.7  |
| 9/7/2020 11:12 AM | -0.3 | 0.6 | -0.3 | 1.1 | 2.7  |
| 9/7/2020 11:18 AM | -0.3 | 0.6 | -0.2 | 1.1 | 2.7  |
| 9/7/2020 11:24 AM | -0.3 | 0.5 | -0.2 | 1.1 | 2.7  |
| 9/7/2020 11:30 AM | -0.3 | 0.4 | -0.3 | 1.1 | 2.8  |
| 9/7/2020 11:36 AM | -0.3 | 0.4 | -0.3 | 1.1 | 2.7  |
| 9/7/2020 11:42 AM | -0.3 | 0.4 | -0.2 | 1.1 | 2.7  |
| 9/7/2020 11:48 AM | -0.3 | 0.4 | -0.2 | 1.1 | 2.7  |



|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 9/7/2020 11:54 AM | -0.3 | 0.5 | -0.1 | 1.1 | 2.7 |
| 9/7/2020 12:00 PM | -0.3 | 0.5 | -0.1 | 1.1 | 2.7 |
| 9/7/2020 12:06 PM | -0.4 | 0.4 | -0.1 | 1.2 | 2.7 |
| 9/7/2020 12:12 PM | -0.4 | 0.3 | -0.1 | 1.2 | 2.6 |
| 9/7/2020 12:18 PM | -0.4 | 0.4 | -0.2 | 1.3 | 2.6 |
| 9/7/2020 12:24 PM | -0.4 | 0.4 | -0.2 | 1.3 | 2.6 |
| 9/7/2020 12:30 PM | -0.4 | 0.4 | -0.3 | 1.3 | 2.6 |
| 9/7/2020 12:36 PM | -0.4 | 0.5 | -0.4 | 1.3 | 2.6 |
| 9/7/2020 12:42 PM | -0.4 | 0.5 | -0.4 | 1.2 | 2.6 |
| 9/7/2020 12:48 PM | -0.4 | 0.6 | -0.5 | 1.3 | 2.6 |
| 9/7/2020 12:54 PM | -0.4 | 0.8 | -0.5 | 1.3 | 2.6 |
| 9/7/2020 1:00 PM  | -0.4 | 0.9 | -0.6 | 1.3 | 2.6 |
| 9/7/2020 1:06 PM  | -0.4 | 1.1 | -0.6 | 1.2 | 2.6 |
| 9/7/2020 1:12 PM  | -0.4 | 1.1 | -0.6 | 1.2 | 2.6 |
| 9/7/2020 1:18 PM  | -0.4 | 1.1 | -0.6 | 1.2 | 2.6 |
| 9/7/2020 1:24 PM  | -0.4 | 1.0 | -0.5 | 1.2 | 2.6 |
| 9/7/2020 1:30 PM  | -0.4 | 0.8 | -0.5 | 1.2 | 2.6 |
| 9/7/2020 1:36 PM  | -0.4 | 0.7 | -0.4 | 1.2 | 2.6 |
| 9/7/2020 1:42 PM  | -0.5 | 0.6 | -0.3 | 1.2 | 2.6 |
| 9/7/2020 1:48 PM  | -0.5 | 0.5 | -0.3 | 1.3 | 2.6 |
| 9/7/2020 1:54 PM  | -0.5 | 0.4 | -0.4 | 1.3 | 2.6 |
| 9/7/2020 2:00 PM  | -0.5 | 0.4 | -0.4 | 1.3 | 2.6 |
| 9/7/2020 2:06 PM  | -0.5 | 0.5 | -0.5 | 1.3 | 2.5 |
| 9/7/2020 2:12 PM  | -0.5 | 0.6 | -0.5 | 1.3 | 2.6 |
| 9/7/2020 2:18 PM  | -0.4 | 0.8 | -0.6 | 1.3 | 2.6 |
| 9/7/2020 2:24 PM  | -0.4 | 0.9 | -0.6 | 1.2 | 2.6 |
| 9/7/2020 2:30 PM  | -0.4 | 1.0 | -0.7 | 1.2 | 2.7 |
| 9/7/2020 2:36 PM  | -0.4 | 1.1 | -0.7 | 1.2 | 2.6 |
| 9/7/2020 2:42 PM  | -0.4 | 1.1 | -0.7 | 1.2 | 2.7 |
| 9/7/2020 2:48 PM  | -0.4 | 1.1 | -0.7 | 1.2 | 2.7 |
| 9/7/2020 2:54 PM  | -0.4 | 1.1 | -0.7 | 1.2 | 2.6 |
| 9/7/2020 3:00 PM  | -0.4 | 1.0 | -0.6 | 1.2 | 2.6 |
| 9/7/2020 3:06 PM  | -0.4 | 1.0 | -0.6 | 1.2 | 2.6 |
| 9/7/2020 3:12 PM  | -0.4 | 0.9 | -0.6 | 1.2 | 2.6 |
| 9/7/2020 3:18 PM  | -0.4 | 0.9 | -0.6 | 1.2 | 2.6 |
| 9/7/2020 3:24 PM  | -0.4 | 1.0 | -0.7 | 1.2 | 2.5 |
| 9/7/2020 3:30 PM  | -0.4 | 1.1 | -0.7 | 1.2 | 2.6 |
| 9/7/2020 3:36 PM  | -0.4 | 1.3 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 3:42 PM  | -0.4 | 1.4 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 3:48 PM  | -0.4 | 1.5 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 3:54 PM  | -0.4 | 1.6 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 4:00 PM  | -0.4 | 1.7 | -0.9 | 1.2 | 2.7 |
| 9/7/2020 4:06 PM  | -0.5 | 1.8 | -0.9 | 1.2 | 2.7 |
| 9/7/2020 4:12 PM  | -0.5 | 1.8 | -0.9 | 1.2 | 2.7 |
| 9/7/2020 4:18 PM  | -0.5 | 1.8 | -0.9 | 1.2 | 2.6 |
| 9/7/2020 4:24 PM  | -0.5 | 1.9 | -0.9 | 1.2 | 2.6 |
| 9/7/2020 4:30 PM  | -0.5 | 1.9 | -0.9 | 1.2 | 2.6 |
| 9/7/2020 4:36 PM  | -0.5 | 1.9 | -0.9 | 1.2 | 2.7 |
| 9/7/2020 4:42 PM  | -0.5 | 1.9 | -0.9 | 1.2 | 2.7 |
| 9/7/2020 4:48 PM  | -0.5 | 1.9 | -0.9 | 1.2 | 2.7 |

|                  |      |     |      |     |     |
|------------------|------|-----|------|-----|-----|
| 9/7/2020 4:54 PM | -0.5 | 1.9 | -0.9 | 1.2 | 2.7 |
| 9/7/2020 5:00 PM | -0.5 | 1.9 | -0.9 | 1.2 | 2.7 |
| 9/7/2020 5:06 PM | -0.5 | 1.9 | -0.9 | 1.2 | 2.6 |
| 9/7/2020 5:12 PM | -0.5 | 1.9 | -0.9 | 1.0 | 2.5 |
| 9/7/2020 5:18 PM | -0.5 | 1.9 | -0.9 | 1.0 | 2.4 |
| 9/7/2020 5:24 PM | -0.5 | 1.9 | -0.9 | 1.0 | 2.6 |
| 9/7/2020 5:30 PM | -0.5 | 1.9 | -0.9 | 1.0 | 2.6 |
| 9/7/2020 5:36 PM | -0.5 | 1.8 | -0.8 | 1.0 | 2.5 |
| 9/7/2020 5:42 PM | -0.5 | 1.8 | -0.8 | 1.1 | 2.5 |
| 9/7/2020 5:48 PM | -0.5 | 1.8 | -0.8 | 1.0 | 2.5 |
| 9/7/2020 5:54 PM | -0.5 | 1.8 | -0.8 | 1.1 | 2.5 |
| 9/7/2020 6:00 PM | -0.5 | 1.8 | -0.8 | 1.1 | 2.6 |
| 9/7/2020 6:06 PM | -0.5 | 1.8 | -0.8 | 1.1 | 2.6 |
| 9/7/2020 6:12 PM | -0.5 | 1.8 | -0.8 | 1.1 | 2.6 |
| 9/7/2020 6:18 PM | -0.5 | 1.7 | -0.8 | 1.1 | 2.5 |
| 9/7/2020 6:24 PM | -0.6 | 1.7 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 6:30 PM | -0.6 | 1.7 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 6:36 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 6:42 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 6:48 PM | -0.6 | 1.7 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 6:54 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 7:00 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 7:06 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 7:12 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 7:18 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 7:24 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 7:30 PM | -0.6 | 1.6 | -0.8 | 1.2 | 2.8 |
| 9/7/2020 7:36 PM | -0.6 | 1.6 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 7:42 PM | -0.6 | 1.6 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 7:48 PM | -0.6 | 1.6 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 7:54 PM | -0.6 | 1.6 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 8:00 PM | -0.5 | 1.6 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 8:06 PM | -0.5 | 1.6 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 8:12 PM | -0.5 | 1.6 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 8:18 PM | -0.5 | 1.6 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 8:24 PM | -0.5 | 1.6 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 8:30 PM | -0.5 | 1.6 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 8:36 PM | -0.5 | 1.6 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 8:42 PM | -0.5 | 1.6 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 8:48 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 8:54 PM | -0.5 | 1.7 | -0.7 | 1.2 | 2.6 |
| 9/7/2020 9:00 PM | -0.5 | 1.7 | -0.7 | 1.2 | 2.6 |
| 9/7/2020 9:06 PM | -0.5 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/7/2020 9:12 PM | -0.5 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/7/2020 9:18 PM | -0.5 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/7/2020 9:24 PM | -0.5 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/7/2020 9:30 PM | -0.5 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/7/2020 9:36 PM | -0.5 | 1.7 | -0.7 | 1.3 | 2.7 |
| 9/7/2020 9:42 PM | -0.5 | 1.7 | -0.7 | 1.3 | 2.7 |
| 9/7/2020 9:48 PM | -0.5 | 1.7 | -0.7 | 1.2 | 2.7 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 9/7/2020 9:54 PM  | -0.5 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/7/2020 10:00 PM | -0.5 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/7/2020 10:06 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 10:12 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 10:18 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 10:24 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 10:30 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 10:36 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 10:42 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 10:48 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 10:54 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 11:00 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.8 |
| 9/7/2020 11:06 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.8 |
| 9/7/2020 11:12 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.8 |
| 9/7/2020 11:18 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 11:24 PM | -0.5 | 1.7 | -0.8 | 1.3 | 2.7 |
| 9/7/2020 11:30 PM | -0.5 | 1.7 | -0.8 | 1.3 | 2.7 |
| 9/7/2020 11:36 PM | -0.5 | 1.7 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 11:42 PM | -0.5 | 1.8 | -0.8 | 1.2 | 2.7 |
| 9/7/2020 11:48 PM | -0.5 | 1.8 | -0.8 | 1.2 | 2.6 |
| 9/7/2020 11:54 PM | -0.5 | 1.8 | -0.8 | 1.2 | 2.6 |
| 9/8/2020 12:00 AM | -0.5 | 1.7 | -0.8 | 1.2 | 2.6 |
| 9/8/2020 12:06 AM | -0.5 | 1.7 | -0.8 | 3.1 | 2.3 |
| 9/8/2020 12:12 AM | -0.5 | 1.7 | -0.8 | 5.1 | 1.0 |
| 9/8/2020 12:18 AM | -0.5 | 1.7 | -0.8 | 4.5 | 0.1 |
| 9/8/2020 12:24 AM | -0.5 | 1.7 | -0.8 | 4.2 | 0.1 |
| 9/8/2020 12:30 AM | -0.5 | 1.6 | -0.8 | 4.1 | 0.1 |
| 9/8/2020 12:36 AM | -0.5 | 1.6 | -0.8 | 4.2 | 0.1 |
| 9/8/2020 12:42 AM | -0.5 | 1.6 | -0.8 | 3.9 | 0.1 |
| 9/8/2020 12:48 AM | -0.5 | 1.5 | -0.7 | 3.7 | 0.1 |
| 9/8/2020 12:54 AM | -0.5 | 1.5 | -0.7 | 3.6 | 0.1 |
| 9/8/2020 1:00 AM  | -0.5 | 1.4 | -0.7 | 3.6 | 0.1 |
| 9/8/2020 1:06 AM  | -0.5 | 1.4 | -0.7 | 3.7 | 0.1 |
| 9/8/2020 1:12 AM  | -0.5 | 1.4 | -0.7 | 4.6 | 0.1 |
| 9/8/2020 1:18 AM  | -0.5 | 1.3 | -0.7 | 4.9 | 0.1 |
| 9/8/2020 1:24 AM  | -0.5 | 1.3 | -0.7 | 4.7 | 0.1 |
| 9/8/2020 1:30 AM  | -0.5 | 1.2 | -0.7 | 4.6 | 0.1 |
| 9/8/2020 1:36 AM  | -0.5 | 1.2 | -0.6 | 4.4 | 0.1 |
| 9/8/2020 1:42 AM  | -0.5 | 1.2 | -0.6 | 4.5 | 0.0 |
| 9/8/2020 1:48 AM  | -0.5 | 1.2 | -0.6 | 4.5 | 0.1 |
| 9/8/2020 1:54 AM  | -0.5 | 1.1 | -0.6 | 4.5 | 0.1 |
| 9/8/2020 2:00 AM  | -0.5 | 1.1 | -0.6 | 4.5 | 0.0 |
| 9/8/2020 2:06 AM  | -0.5 | 1.1 | -0.6 | 4.4 | 0.1 |
| 9/8/2020 2:12 AM  | -0.5 | 1.1 | -0.6 | 4.2 | 0.1 |
| 9/8/2020 2:18 AM  | -0.5 | 1.1 | -0.6 | 4.1 | 0.0 |
| 9/8/2020 2:24 AM  | -0.5 | 1.1 | -0.6 | 4.0 | 0.1 |
| 9/8/2020 2:30 AM  | -0.5 | 1.1 | -0.6 | 4.0 | 0.1 |
| 9/8/2020 2:36 AM  | -0.5 | 1.1 | -0.6 | 4.1 | 0.0 |
| 9/8/2020 2:42 AM  | -0.5 | 1.1 | -0.6 | 4.2 | 0.0 |
| 9/8/2020 2:48 AM  | -0.5 | 1.1 | -0.6 | 4.1 | 0.0 |

|                  |      |     |      |     |     |
|------------------|------|-----|------|-----|-----|
| 9/8/2020 2:54 AM | -0.5 | 1.1 | -0.6 | 4.0 | 0.0 |
| 9/8/2020 3:00 AM | -0.5 | 1.1 | -0.7 | 4.0 | 0.0 |
| 9/8/2020 3:06 AM | -0.5 | 1.1 | -0.7 | 4.0 | 0.1 |
| 9/8/2020 3:12 AM | -0.5 | 1.1 | -0.7 | 4.0 | 0.1 |
| 9/8/2020 3:18 AM | -0.5 | 1.1 | -0.7 | 3.9 | 0.1 |
| 9/8/2020 3:24 AM | -0.5 | 1.1 | -0.7 | 4.0 | 0.0 |
| 9/8/2020 3:30 AM | -0.5 | 1.1 | -0.7 | 4.0 | 0.0 |
| 9/8/2020 3:36 AM | -0.5 | 1.1 | -0.7 | 3.9 | 0.0 |
| 9/8/2020 3:42 AM | -0.5 | 1.2 | -0.7 | 3.8 | 0.1 |
| 9/8/2020 3:48 AM | -0.5 | 1.2 | -0.7 | 3.8 | 0.1 |
| 9/8/2020 3:54 AM | -0.5 | 1.2 | -0.7 | 3.8 | 0.0 |
| 9/8/2020 4:00 AM | -0.5 | 1.2 | -0.7 | 3.8 | 0.0 |
| 9/8/2020 4:06 AM | -0.5 | 1.3 | -0.7 | 3.9 | 0.0 |
| 9/8/2020 4:12 AM | -0.5 | 1.3 | -0.7 | 3.9 | 0.0 |
| 9/8/2020 4:18 AM | -0.5 | 1.3 | -0.7 | 3.9 | 0.1 |
| 9/8/2020 4:24 AM | -0.5 | 1.4 | -0.8 | 3.8 | 0.0 |
| 9/8/2020 4:30 AM | -0.5 | 1.4 | -0.8 | 3.7 | 0.1 |
| 9/8/2020 4:36 AM | -0.5 | 1.4 | -0.8 | 3.7 | 0.1 |
| 9/8/2020 4:42 AM | -0.5 | 1.4 | -0.8 | 3.7 | 0.1 |
| 9/8/2020 4:48 AM | -0.5 | 1.4 | -0.8 | 3.8 | 0.1 |
| 9/8/2020 4:54 AM | -0.5 | 1.4 | -0.8 | 3.9 | 0.0 |
| 9/8/2020 5:00 AM | -0.5 | 1.4 | -0.8 | 3.9 | 0.0 |
| 9/8/2020 5:06 AM | -0.5 | 1.3 | -0.7 | 3.9 | 0.0 |
| 9/8/2020 5:12 AM | -0.5 | 1.3 | -0.7 | 4.0 | 0.0 |
| 9/8/2020 5:18 AM | -0.5 | 1.2 | -0.7 | 4.1 | 0.1 |
| 9/8/2020 5:24 AM | -0.5 | 1.2 | -0.7 | 3.1 | 0.1 |
| 9/8/2020 5:30 AM | -0.5 | 1.2 | -0.7 | 2.0 | 0.1 |
| 9/8/2020 5:36 AM | -0.5 | 1.1 | -0.7 | 2.1 | 0.0 |
| 9/8/2020 5:42 AM | -0.5 | 1.1 | -0.7 | 2.2 | 0.0 |
| 9/8/2020 5:48 AM | -0.5 | 1.1 | -0.7 | 2.3 | 0.0 |
| 9/8/2020 5:54 AM | -0.5 | 1.2 | -0.7 | 2.1 | 0.0 |
| 9/8/2020 6:00 AM | -0.5 | 1.4 | -0.7 | 2.0 | 0.0 |
| 9/8/2020 6:06 AM | -0.5 | 1.5 | -0.8 | 2.0 | 0.1 |
| 9/8/2020 6:12 AM | -0.5 | 1.7 | -0.9 | 2.1 | 0.1 |
| 9/8/2020 6:18 AM | -0.5 | 1.8 | -1.0 | 2.2 | 0.1 |
| 9/8/2020 6:24 AM | -0.5 | 1.8 | -1.0 | 2.1 | 0.1 |
| 9/8/2020 6:30 AM | -0.5 | 1.8 | -1.0 | 2.1 | 0.1 |
| 9/8/2020 6:36 AM | -0.5 | 1.8 | -1.0 | 2.1 | 0.1 |
| 9/8/2020 6:42 AM | -0.5 | 1.7 | -1.0 | 2.4 | 0.0 |
| 9/8/2020 6:48 AM | -0.5 | 1.6 | -1.0 | 3.2 | 0.0 |
| 9/8/2020 6:54 AM | -0.5 | 1.4 | -1.0 | 3.7 | 0.1 |
| 9/8/2020 7:00 AM | -0.5 | 1.3 | -0.9 | 3.7 | 0.0 |
| 9/8/2020 7:06 AM | -0.5 | 1.3 | -0.9 | 3.7 | 0.0 |
| 9/8/2020 7:12 AM | -0.5 | 1.2 | -0.9 | 3.6 | 0.0 |
| 9/8/2020 7:18 AM | -0.5 | 1.2 | -0.9 | 3.6 | 0.1 |
| 9/8/2020 7:24 AM | -0.5 | 1.1 | -0.9 | 4.3 | 0.0 |
| 9/8/2020 7:30 AM | -0.5 | 1.1 | -0.8 | 5.4 | 0.0 |
| 9/8/2020 7:36 AM | -0.5 | 1.0 | -0.8 | 5.7 | 0.0 |
| 9/8/2020 7:42 AM | -0.5 | 1.0 | -0.8 | 5.7 | 0.0 |
| 9/8/2020 7:48 AM | -0.5 | 1.0 | -0.8 | 5.6 | 0.0 |

|                   |      |      |      |     |      |
|-------------------|------|------|------|-----|------|
| 9/8/2020 7:54 AM  | -0.5 | 1.1  | -0.8 | 5.7 | 4.4  |
| 9/8/2020 8:00 AM  | -0.5 | 1.1  | -0.8 | 3.3 | 10.1 |
| 9/8/2020 8:06 AM  | -0.5 | 1.2  | -0.8 | 1.1 | 8.8  |
| 9/8/2020 8:12 AM  | -0.5 | 1.3  | -0.9 | 1.2 | 7.9  |
| 9/8/2020 8:18 AM  | -0.5 | 1.5  | -0.9 | 1.3 | 7.4  |
| 9/8/2020 8:24 AM  | -0.5 | 1.7  | -0.9 | 1.7 | 6.9  |
| 9/8/2020 8:30 AM  | -0.4 | 1.6  | -0.9 | 1.9 | 6.4  |
| 9/8/2020 8:36 AM  | -0.4 | 1.6  | -0.9 | 1.9 | 5.6  |
| 9/8/2020 8:42 AM  | -0.4 | 1.6  | -0.9 | 1.9 | 4.8  |
| 9/8/2020 8:48 AM  | -0.4 | 1.6  | -0.9 | 1.9 | 4.2  |
| 9/8/2020 8:54 AM  | -0.4 | 1.5  | -0.9 | 2.0 | 3.9  |
| 9/8/2020 9:00 AM  | -0.4 | 1.5  | -0.9 | 1.9 | 3.6  |
| 9/8/2020 9:06 AM  | -0.4 | 1.5  | -0.9 | 1.9 | 3.4  |
| 9/8/2020 9:12 AM  | -0.4 | 1.4  | -0.9 | 1.9 | 3.4  |
| 9/8/2020 9:18 AM  | -0.4 | 1.2  | -0.9 | 1.9 | 3.4  |
| 9/8/2020 9:24 AM  | -0.4 | 1.0  | -0.9 | 1.5 | 3.1  |
| 9/8/2020 9:30 AM  | -0.4 | 0.8  | -0.9 | 1.2 | 2.9  |
| 9/8/2020 9:36 AM  | -0.4 | 0.7  | -0.8 | 1.3 | 2.9  |
| 9/8/2020 9:42 AM  | -0.4 | 0.8  | -0.8 | 1.3 | 2.8  |
| 9/8/2020 9:48 AM  | -0.4 | 0.9  | -0.8 | 1.4 | 2.8  |
| 9/8/2020 9:54 AM  | -0.4 | 1.0  | -0.8 | 1.4 | 2.9  |
| 9/8/2020 10:00 AM | -0.4 | 1.1  | -0.7 | 1.4 | 3.0  |
| 9/8/2020 10:06 AM | -0.4 | 1.1  | -0.7 | 1.4 | 3.1  |
| 9/8/2020 10:12 AM | -0.4 | 1.2  | -0.6 | 1.4 | 3.1  |
| 9/8/2020 10:18 AM | -0.4 | 1.3  | -0.6 | 1.4 | 3.2  |
| 9/8/2020 10:24 AM | -0.4 | 1.3  | -0.6 | 1.3 | 3.2  |
| 9/8/2020 10:30 AM | -0.4 | 1.3  | -0.6 | 1.4 | 3.1  |
| 9/8/2020 10:36 AM | -0.4 | 1.3  | -0.6 | 1.4 | 2.9  |
| 9/8/2020 10:42 AM | -0.4 | 1.3  | -0.7 | 1.5 | 2.9  |
| 9/8/2020 10:48 AM | -0.4 | 1.3  | -0.7 | 1.4 | 2.8  |
| 9/8/2020 10:54 AM | -0.4 | 1.3  | -0.7 | 1.4 | 2.8  |
| 9/8/2020 11:00 AM | -0.4 | 1.3  | -0.7 | 1.4 | 2.8  |
| 9/8/2020 11:06 AM | -0.4 | 1.3  | -0.7 | 1.4 | 2.8  |
| 9/8/2020 11:12 AM | -0.3 | 1.2  | -0.6 | 1.4 | 2.8  |
| 9/8/2020 11:18 AM | -0.3 | 1.1  | -0.6 | 1.4 | 2.8  |
| 9/8/2020 11:24 AM | -0.3 | 0.8  | -0.6 | 1.5 | 2.8  |
| 9/8/2020 11:30 AM | -0.3 | 0.6  | -0.6 | 1.5 | 2.8  |
| 9/8/2020 11:36 AM | -0.3 | 0.5  | -0.5 | 1.5 | 2.9  |
| 9/8/2020 11:42 AM | -0.3 | 0.4  | -0.5 | 1.5 | 2.9  |
| 9/8/2020 11:48 AM | -0.3 | 0.3  | -0.4 | 1.5 | 2.9  |
| 9/8/2020 11:54 AM | -0.3 | 0.3  | -0.2 | 1.5 | 2.9  |
| 9/8/2020 12:00 PM | -0.3 | 0.3  | 0.0  | 1.5 | 3.0  |
| 9/8/2020 12:06 PM | -0.4 | 0.2  | 0.1  | 1.5 | 2.9  |
| 9/8/2020 12:12 PM | -0.4 | 0.1  | 0.2  | 1.5 | 2.9  |
| 9/8/2020 12:18 PM | -0.4 | 0.0  | 0.2  | 1.5 | 2.9  |
| 9/8/2020 12:24 PM | -0.4 | -0.1 | 0.1  | 1.5 | 2.9  |
| 9/8/2020 12:30 PM | -0.4 | -0.1 | 0.0  | 1.4 | 2.9  |
| 9/8/2020 12:36 PM | -0.4 | -0.1 | -0.1 | 1.4 | 2.9  |
| 9/8/2020 12:42 PM | -0.4 | 0.0  | -0.1 | 1.4 | 2.8  |
| 9/8/2020 12:48 PM | -0.4 | 0.1  | -0.2 | 1.4 | 2.9  |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 9/8/2020 12:54 PM | -0.4 | 0.3 | -0.3 | 1.5 | 2.9 |
| 9/8/2020 1:00 PM  | -0.4 | 0.4 | -0.3 | 1.5 | 2.9 |
| 9/8/2020 1:06 PM  | -0.5 | 0.5 | -0.3 | 1.5 | 3.0 |
| 9/8/2020 1:12 PM  | -0.5 | 0.5 | -0.3 | 1.5 | 3.0 |
| 9/8/2020 1:18 PM  | -0.5 | 0.5 | -0.3 | 1.5 | 2.9 |
| 9/8/2020 1:24 PM  | -0.5 | 0.4 | -0.3 | 1.6 | 2.9 |
| 9/8/2020 1:30 PM  | -0.5 | 0.3 | -0.2 | 1.6 | 2.9 |
| 9/8/2020 1:36 PM  | -0.5 | 0.2 | -0.2 | 1.5 | 2.9 |
| 9/8/2020 1:42 PM  | -0.5 | 0.2 | -0.1 | 1.6 | 3.0 |
| 9/8/2020 1:48 PM  | -0.5 | 0.2 | -0.2 | 1.6 | 3.0 |
| 9/8/2020 1:54 PM  | -0.5 | 0.2 | -0.2 | 1.5 | 2.9 |
| 9/8/2020 2:00 PM  | -0.6 | 0.3 | -0.4 | 1.6 | 2.8 |
| 9/8/2020 2:06 PM  | -0.6 | 0.5 | -0.5 | 1.5 | 2.8 |
| 9/8/2020 2:12 PM  | -0.6 | 0.7 | -0.6 | 1.5 | 2.9 |
| 9/8/2020 2:18 PM  | -0.6 | 0.9 | -0.7 | 1.5 | 2.9 |
| 9/8/2020 2:24 PM  | -0.6 | 1.1 | -0.7 | 1.5 | 3.0 |
| 9/8/2020 2:30 PM  | -0.6 | 1.3 | -0.8 | 1.6 | 3.1 |
| 9/8/2020 2:36 PM  | -0.6 | 1.4 | -0.8 | 1.6 | 3.0 |
| 9/8/2020 2:42 PM  | -0.6 | 1.5 | -0.8 | 1.5 | 3.0 |
| 9/8/2020 2:48 PM  | -0.6 | 1.5 | -0.8 | 1.6 | 3.0 |
| 9/8/2020 2:54 PM  | -0.6 | 1.5 | -0.8 | 1.6 | 3.0 |
| 9/8/2020 3:00 PM  | -0.6 | 1.4 | -0.7 | 1.5 | 3.0 |
| 9/8/2020 3:06 PM  | -0.6 | 1.2 | -0.7 | 1.5 | 3.0 |
| 9/8/2020 3:12 PM  | -0.6 | 1.1 | -0.6 | 1.5 | 3.0 |
| 9/8/2020 3:18 PM  | -0.6 | 1.0 | -0.6 | 1.6 | 3.0 |
| 9/8/2020 3:24 PM  | -0.6 | 1.1 | -0.7 | 1.6 | 3.0 |
| 9/8/2020 3:30 PM  | -0.6 | 1.1 | -0.7 | 1.6 | 3.1 |
| 9/8/2020 3:36 PM  | -0.6 | 1.3 | -0.8 | 1.6 | 3.0 |
| 9/8/2020 3:42 PM  | -0.6 | 1.4 | -0.8 | 1.6 | 3.0 |
| 9/8/2020 3:48 PM  | -0.6 | 1.6 | -0.8 | 1.5 | 2.9 |
| 9/8/2020 3:54 PM  | -0.6 | 1.7 | -0.8 | 1.5 | 2.8 |
| 9/8/2020 4:00 PM  | -0.6 | 1.8 | -0.8 | 1.5 | 2.8 |
| 9/8/2020 4:06 PM  | -0.6 | 1.9 | -0.8 | 1.5 | 2.8 |
| 9/8/2020 4:12 PM  | -0.6 | 1.9 | -0.8 | 1.5 | 2.8 |
| 9/8/2020 4:18 PM  | -0.6 | 1.9 | -0.8 | 1.5 | 2.8 |
| 9/8/2020 4:24 PM  | -0.6 | 1.8 | -0.8 | 1.5 | 2.8 |
| 9/8/2020 4:30 PM  | -0.6 | 1.8 | -0.8 | 1.4 | 2.8 |
| 9/8/2020 4:36 PM  | -0.6 | 1.7 | -0.8 | 1.5 | 2.7 |
| 9/8/2020 4:42 PM  | -0.6 | 1.6 | -0.8 | 1.5 | 2.6 |
| 9/8/2020 4:48 PM  | -0.6 | 1.5 | -0.8 | 1.5 | 2.5 |
| 9/8/2020 4:54 PM  | -0.6 | 1.3 | -0.8 | 1.5 | 2.5 |
| 9/8/2020 5:00 PM  | -0.6 | 1.2 | -0.8 | 1.5 | 2.6 |
| 9/8/2020 5:06 PM  | -0.6 | 1.1 | -0.8 | 1.5 | 2.6 |
| 9/8/2020 5:12 PM  | -0.6 | 0.9 | -0.8 | 1.5 | 2.6 |
| 9/8/2020 5:18 PM  | -0.6 | 0.8 | -0.8 | 1.5 | 2.6 |
| 9/8/2020 5:24 PM  | -0.6 | 0.7 | -0.8 | 1.5 | 2.6 |
| 9/8/2020 5:30 PM  | -0.6 | 0.7 | -0.8 | 1.5 | 2.6 |
| 9/8/2020 5:36 PM  | -0.6 | 0.7 | -0.8 | 1.4 | 2.6 |
| 9/8/2020 5:42 PM  | -0.6 | 0.8 | -0.8 | 1.4 | 2.7 |
| 9/8/2020 5:48 PM  | -0.6 | 1.0 | -0.8 | 1.4 | 2.8 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 9/8/2020 5:54 PM  | -0.6 | 1.2 | -0.8 | 1.4 | 2.8 |
| 9/8/2020 6:00 PM  | -0.7 | 1.4 | -0.8 | 1.5 | 2.8 |
| 9/8/2020 6:06 PM  | -0.7 | 1.6 | -0.8 | 1.4 | 2.8 |
| 9/8/2020 6:12 PM  | -0.7 | 1.8 | -0.8 | 1.5 | 2.8 |
| 9/8/2020 6:18 PM  | -0.7 | 1.8 | -0.9 | 1.5 | 2.8 |
| 9/8/2020 6:24 PM  | -0.7 | 1.9 | -0.9 | 1.5 | 2.8 |
| 9/8/2020 6:30 PM  | -0.7 | 1.9 | -0.9 | 1.4 | 2.8 |
| 9/8/2020 6:36 PM  | -0.7 | 2.0 | -0.9 | 1.5 | 2.8 |
| 9/8/2020 6:42 PM  | -0.7 | 2.0 | -0.9 | 1.5 | 2.8 |
| 9/8/2020 6:48 PM  | -0.7 | 2.0 | -0.9 | 1.4 | 2.8 |
| 9/8/2020 6:54 PM  | -0.7 | 2.0 | -0.9 | 1.3 | 2.8 |
| 9/8/2020 7:00 PM  | -0.7 | 2.0 | -0.8 | 1.0 | 2.7 |
| 9/8/2020 7:06 PM  | -0.7 | 2.0 | -0.8 | 0.8 | 2.6 |
| 9/8/2020 7:12 PM  | -0.7 | 2.0 | -0.8 | 0.9 | 2.6 |
| 9/8/2020 7:18 PM  | -0.7 | 2.0 | -0.8 | 0.9 | 2.7 |
| 9/8/2020 7:24 PM  | -0.7 | 2.0 | -0.8 | 1.0 | 2.7 |
| 9/8/2020 7:30 PM  | -0.7 | 2.0 | -0.8 | 1.0 | 2.8 |
| 9/8/2020 7:36 PM  | -0.7 | 2.0 | -0.8 | 1.0 | 2.8 |
| 9/8/2020 7:42 PM  | -0.7 | 2.0 | -0.8 | 1.0 | 2.7 |
| 9/8/2020 7:48 PM  | -0.7 | 2.0 | -0.8 | 1.1 | 2.7 |
| 9/8/2020 7:54 PM  | -0.7 | 2.0 | -0.8 | 1.1 | 2.7 |
| 9/8/2020 8:00 PM  | -0.7 | 2.0 | -0.8 | 1.1 | 2.7 |
| 9/8/2020 8:06 PM  | -0.7 | 2.0 | -0.8 | 1.1 | 2.7 |
| 9/8/2020 8:12 PM  | -0.7 | 2.1 | -0.8 | 1.1 | 2.7 |
| 9/8/2020 8:18 PM  | -0.7 | 2.1 | -0.8 | 1.3 | 2.8 |
| 9/8/2020 8:24 PM  | -0.7 | 2.1 | -0.9 | 1.4 | 2.9 |
| 9/8/2020 8:30 PM  | -0.7 | 2.0 | -0.9 | 1.4 | 2.8 |
| 9/8/2020 8:36 PM  | -0.7 | 2.1 | -0.9 | 1.4 | 2.8 |
| 9/8/2020 8:42 PM  | -0.7 | 2.1 | -0.9 | 1.3 | 2.9 |
| 9/8/2020 8:48 PM  | -0.7 | 2.1 | -0.9 | 1.3 | 2.9 |
| 9/8/2020 8:54 PM  | -0.7 | 2.1 | -0.8 | 1.3 | 2.8 |
| 9/8/2020 9:00 PM  | -0.7 | 2.1 | -0.9 | 1.3 | 2.8 |
| 9/8/2020 9:06 PM  | -0.7 | 2.1 | -0.9 | 1.2 | 2.9 |
| 9/8/2020 9:12 PM  | -0.7 | 2.1 | -0.9 | 1.2 | 2.9 |
| 9/8/2020 9:18 PM  | -0.7 | 2.1 | -0.9 | 1.2 | 2.9 |
| 9/8/2020 9:24 PM  | -0.7 | 2.1 | -0.9 | 1.2 | 3.0 |
| 9/8/2020 9:30 PM  | -0.7 | 2.1 | -0.9 | 1.3 | 3.0 |
| 9/8/2020 9:36 PM  | -0.7 | 2.1 | -0.9 | 1.3 | 3.0 |
| 9/8/2020 9:42 PM  | -0.7 | 2.2 | -0.8 | 1.3 | 2.9 |
| 9/8/2020 9:48 PM  | -0.7 | 2.2 | -0.8 | 1.3 | 2.9 |
| 9/8/2020 9:54 PM  | -0.7 | 2.2 | -0.8 | 1.3 | 3.0 |
| 9/8/2020 10:00 PM | -0.7 | 2.2 | -0.8 | 1.3 | 2.9 |
| 9/8/2020 10:06 PM | -0.7 | 2.2 | -0.8 | 1.3 | 3.0 |
| 9/8/2020 10:12 PM | -0.7 | 2.2 | -0.8 | 1.3 | 3.0 |
| 9/8/2020 10:18 PM | -0.7 | 2.2 | -0.8 | 1.2 | 3.0 |
| 9/8/2020 10:24 PM | -0.7 | 2.2 | -0.8 | 1.2 | 3.0 |
| 9/8/2020 10:30 PM | -0.7 | 2.2 | -0.8 | 1.1 | 3.0 |
| 9/8/2020 10:36 PM | -0.7 | 2.2 | -0.8 | 1.2 | 3.0 |
| 9/8/2020 10:42 PM | -0.7 | 2.3 | -0.8 | 1.2 | 3.0 |
| 9/8/2020 10:48 PM | -0.7 | 2.3 | -0.8 | 1.2 | 3.0 |



|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 9/8/2020 10:54 PM | -0.7 | 2.3 | -0.8 | 1.2  | 3.0 |
| 9/8/2020 11:00 PM | -0.7 | 2.3 | -0.8 | 1.2  | 3.0 |
| 9/8/2020 11:06 PM | -0.7 | 2.3 | -0.8 | 1.2  | 2.9 |
| 9/8/2020 11:12 PM | -0.7 | 2.3 | -0.9 | 1.2  | 3.0 |
| 9/8/2020 11:18 PM | -0.7 | 2.2 | -0.9 | 1.2  | 2.9 |
| 9/8/2020 11:24 PM | -0.7 | 2.2 | -0.9 | 1.2  | 2.9 |
| 9/8/2020 11:30 PM | -0.7 | 2.2 | -0.8 | 1.2  | 2.9 |
| 9/8/2020 11:36 PM | -0.7 | 2.2 | -0.8 | 1.2  | 2.8 |
| 9/8/2020 11:42 PM | -0.7 | 2.2 | -0.8 | 1.2  | 2.8 |
| 9/8/2020 11:48 PM | -0.7 | 2.2 | -0.8 | 1.2  | 2.9 |
| 9/8/2020 11:54 PM | -0.7 | 2.3 | -0.9 | 1.2  | 3.0 |
| 9/9/2020 12:00 AM | -0.7 | 2.3 | -0.9 | 1.2  | 3.0 |
| 9/9/2020 12:06 AM | -0.7 | 2.3 | -0.9 | 1.2  | 2.9 |
| 9/9/2020 12:12 AM | -0.7 | 2.3 | -0.9 | 1.2  | 2.8 |
| 9/9/2020 12:18 AM | -0.7 | 2.3 | -0.9 | 1.2  | 2.8 |
| 9/9/2020 12:24 AM | -0.7 | 2.3 | -0.9 | 1.1  | 3.2 |
| 9/9/2020 12:30 AM | -0.7 | 2.3 | -0.9 | 0.5  | 4.1 |
| 9/9/2020 12:36 AM | -0.7 | 2.3 | -0.9 | -0.4 | 4.4 |
| 9/9/2020 12:42 AM | -0.7 | 2.3 | -0.9 | -0.6 | 4.3 |
| 9/9/2020 12:48 AM | -0.7 | 2.3 | -0.9 | -0.6 | 4.2 |
| 9/9/2020 12:54 AM | -0.7 | 2.3 | -0.9 | -0.6 | 4.2 |
| 9/9/2020 1:00 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.1 |
| 9/9/2020 1:06 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.0 |
| 9/9/2020 1:12 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 3.9 |
| 9/9/2020 1:18 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.1 |
| 9/9/2020 1:24 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.3 |
| 9/9/2020 1:30 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.3 |
| 9/9/2020 1:36 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.3 |
| 9/9/2020 1:42 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.4 |
| 9/9/2020 1:48 AM  | -0.7 | 2.2 | -0.9 | -0.6 | 4.3 |
| 9/9/2020 1:54 AM  | -0.7 | 2.2 | -0.9 | -0.6 | 4.6 |
| 9/9/2020 2:00 AM  | -0.7 | 2.2 | -0.9 | -0.6 | 5.2 |
| 9/9/2020 2:06 AM  | -0.7 | 2.2 | -0.9 | -0.6 | 5.4 |
| 9/9/2020 2:12 AM  | -0.7 | 2.2 | -0.9 | -0.6 | 5.3 |
| 9/9/2020 2:18 AM  | -0.7 | 2.2 | -0.9 | -0.6 | 5.2 |
| 9/9/2020 2:24 AM  | -0.7 | 2.2 | -0.9 | -0.6 | 5.3 |
| 9/9/2020 2:30 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 5.3 |
| 9/9/2020 2:36 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 5.4 |
| 9/9/2020 2:42 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 5.5 |
| 9/9/2020 2:48 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 5.6 |
| 9/9/2020 2:54 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 5.6 |
| 9/9/2020 3:00 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 5.5 |
| 9/9/2020 3:06 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 5.4 |
| 9/9/2020 3:12 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 5.3 |
| 9/9/2020 3:18 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.9 |
| 9/9/2020 3:24 AM  | -0.7 | 2.2 | -0.9 | -0.6 | 4.6 |
| 9/9/2020 3:30 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.7 |
| 9/9/2020 3:36 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.8 |
| 9/9/2020 3:42 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.7 |
| 9/9/2020 3:48 AM  | -0.7 | 2.3 | -0.9 | -0.6 | 4.6 |



|                  |      |     |      |      |     |
|------------------|------|-----|------|------|-----|
| 9/9/2020 3:54 AM | -0.7 | 2.3 | -0.9 | -0.6 | 4.6 |
| 9/9/2020 4:00 AM | -0.7 | 2.3 | -0.9 | -0.6 | 4.6 |
| 9/9/2020 4:06 AM | -0.7 | 2.2 | -0.9 | -0.6 | 4.6 |
| 9/9/2020 4:12 AM | -0.7 | 2.2 | -0.9 | -0.6 | 4.6 |
| 9/9/2020 4:18 AM | -0.7 | 2.2 | -0.9 | -0.6 | 5.5 |
| 9/9/2020 4:24 AM | -0.7 | 2.2 | -0.9 | -0.6 | 6.6 |
| 9/9/2020 4:30 AM | -0.7 | 2.2 | -0.9 | -0.6 | 6.7 |
| 9/9/2020 4:36 AM | -0.7 | 2.2 | -0.9 | -0.6 | 6.6 |
| 9/9/2020 4:42 AM | -0.7 | 2.2 | -0.9 | -0.6 | 6.7 |
| 9/9/2020 4:48 AM | -0.7 | 2.2 | -0.9 | -0.6 | 6.7 |
| 9/9/2020 4:54 AM | -0.7 | 2.2 | -0.9 | -0.6 | 6.6 |
| 9/9/2020 5:00 AM | -0.7 | 2.2 | -0.9 | -0.6 | 6.4 |
| 9/9/2020 5:06 AM | -0.7 | 2.2 | -0.9 | -0.6 | 5.5 |
| 9/9/2020 5:12 AM | -0.7 | 2.2 | -0.9 | -0.6 | 4.5 |
| 9/9/2020 5:18 AM | -0.7 | 2.2 | -0.9 | -0.6 | 4.5 |
| 9/9/2020 5:24 AM | -0.7 | 2.2 | -0.9 | -0.6 | 4.3 |
| 9/9/2020 5:30 AM | -0.7 | 2.2 | -0.9 | -0.6 | 3.4 |
| 9/9/2020 5:36 AM | -0.7 | 2.2 | -0.9 | -0.6 | 3.0 |
| 9/9/2020 5:42 AM | -0.7 | 2.2 | -0.9 | -0.6 | 2.9 |
| 9/9/2020 5:48 AM | -0.7 | 2.2 | -0.9 | -0.6 | 2.9 |
| 9/9/2020 5:54 AM | -0.7 | 2.2 | -0.9 | -0.6 | 3.0 |
| 9/9/2020 6:00 AM | -0.7 | 2.2 | -0.9 | -0.6 | 3.1 |
| 9/9/2020 6:06 AM | -0.7 | 2.2 | -0.9 | -0.6 | 3.2 |
| 9/9/2020 6:12 AM | -0.7 | 2.2 | -0.9 | -0.6 | 3.2 |
| 9/9/2020 6:18 AM | -0.7 | 2.3 | -0.9 | -0.6 | 3.2 |
| 9/9/2020 6:24 AM | -0.7 | 2.3 | -0.9 | -0.6 | 3.2 |
| 9/9/2020 6:30 AM | -0.7 | 2.4 | -1.0 | -0.6 | 3.2 |
| 9/9/2020 6:36 AM | -0.7 | 2.4 | -1.0 | -0.6 | 3.3 |
| 9/9/2020 6:42 AM | -0.7 | 2.4 | -1.0 | -0.6 | 3.4 |
| 9/9/2020 6:48 AM | -0.7 | 2.4 | -1.0 | -0.6 | 3.4 |
| 9/9/2020 6:54 AM | -0.7 | 2.4 | -1.0 | -0.6 | 3.5 |
| 9/9/2020 7:00 AM | -0.7 | 2.4 | -1.0 | -0.6 | 3.5 |
| 9/9/2020 7:06 AM | -0.7 | 2.4 | -1.0 | -0.6 | 3.4 |
| 9/9/2020 7:12 AM | -0.7 | 2.4 | -1.0 | -0.6 | 3.3 |
| 9/9/2020 7:18 AM | -0.7 | 2.3 | -1.0 | -0.6 | 3.4 |
| 9/9/2020 7:24 AM | -0.7 | 2.3 | -1.0 | -0.6 | 3.5 |
| 9/9/2020 7:30 AM | -0.7 | 2.3 | -1.0 | -0.6 | 3.5 |
| 9/9/2020 7:36 AM | -0.7 | 2.4 | -1.0 | -0.6 | 3.5 |
| 9/9/2020 7:42 AM | -0.7 | 2.4 | -1.0 | -0.6 | 3.5 |
| 9/9/2020 7:48 AM | -0.7 | 2.4 | -1.0 | -0.6 | 3.5 |
| 9/9/2020 7:54 AM | -0.7 | 2.4 | -1.0 | 6.2  | 3.3 |
| 9/9/2020 8:00 AM | -0.7 | 2.4 | -1.0 | 12.9 | 3.0 |
| 9/9/2020 8:06 AM | -0.7 | 2.4 | -1.1 | 8.4  | 2.9 |
| 9/9/2020 8:12 AM | -0.7 | 2.4 | -1.1 | 4.5  | 2.9 |
| 9/9/2020 8:18 AM | -0.7 | 2.4 | -1.0 | 3.5  | 2.9 |
| 9/9/2020 8:24 AM | -0.6 | 2.3 | -1.0 | 3.2  | 2.9 |
| 9/9/2020 8:30 AM | -0.6 | 2.2 | -1.0 | 3.2  | 2.9 |
| 9/9/2020 8:36 AM | -0.6 | 2.2 | -1.0 | 3.1  | 2.9 |
| 9/9/2020 8:42 AM | -0.6 | 2.2 | -1.0 | 3.2  | 2.9 |
| 9/9/2020 8:48 AM | -0.6 | 2.2 | -1.0 | 3.3  | 2.9 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 9/9/2020 8:54 AM  | -0.6 | 2.2 | -1.0 | 3.4 | 2.9 |
| 9/9/2020 9:00 AM  | -0.6 | 2.2 | -1.0 | 3.5 | 2.9 |
| 9/9/2020 9:06 AM  | -0.6 | 2.3 | -1.0 | 3.3 | 2.9 |
| 9/9/2020 9:12 AM  | -0.6 | 2.2 | -1.0 | 2.3 | 2.9 |
| 9/9/2020 9:18 AM  | -0.6 | 2.2 | -1.0 | 1.6 | 2.9 |
| 9/9/2020 9:24 AM  | -0.6 | 2.2 | -1.0 | 1.6 | 2.9 |
| 9/9/2020 9:30 AM  | -0.6 | 2.2 | -1.0 | 1.5 | 2.9 |
| 9/9/2020 9:36 AM  | -0.6 | 2.2 | -1.0 | 1.5 | 3.0 |
| 9/9/2020 9:42 AM  | -0.6 | 2.1 | -1.0 | 1.5 | 3.0 |
| 9/9/2020 9:48 AM  | -0.6 | 2.0 | -1.0 | 1.5 | 2.9 |
| 9/9/2020 9:54 AM  | -0.6 | 2.0 | -1.0 | 1.4 | 2.9 |
| 9/9/2020 10:00 AM | -0.6 | 1.9 | -0.9 | 1.3 | 2.9 |
| 9/9/2020 10:06 AM | -0.6 | 1.9 | -0.9 | 1.3 | 2.9 |
| 9/9/2020 10:12 AM | -0.6 | 1.9 | -0.9 | 1.3 | 2.9 |
| 9/9/2020 10:18 AM | -0.6 | 1.9 | -0.9 | 1.3 | 2.9 |
| 9/9/2020 10:24 AM | -0.6 | 1.9 | -0.9 | 1.2 | 2.9 |
| 9/9/2020 10:30 AM | -0.6 | 1.9 | -0.9 | 1.2 | 2.9 |
| 9/9/2020 10:36 AM | -0.6 | 2.0 | -0.9 | 1.3 | 2.9 |
| 9/9/2020 10:42 AM | -0.6 | 2.0 | -0.9 | 1.2 | 3.0 |
| 9/9/2020 10:48 AM | -0.6 | 1.9 | -0.9 | 1.2 | 3.0 |
| 9/9/2020 10:54 AM | -0.6 | 1.9 | -0.9 | 1.2 | 3.0 |
| 9/9/2020 11:00 AM | -0.6 | 2.0 | -0.9 | 1.2 | 3.0 |
| 9/9/2020 11:06 AM | -0.6 | 2.0 | -0.9 | 1.2 | 2.9 |
| 9/9/2020 11:12 AM | -0.6 | 2.0 | -0.9 | 1.2 | 2.9 |
| 9/9/2020 11:18 AM | -0.6 | 2.0 | -0.9 | 1.2 | 3.0 |
| 9/9/2020 11:24 AM | -0.6 | 2.0 | -0.9 | 1.2 | 3.0 |
| 9/9/2020 11:30 AM | -0.6 | 1.9 | -0.9 | 1.3 | 2.9 |
| 9/9/2020 11:36 AM | -0.6 | 1.9 | -0.9 | 1.3 | 3.0 |
| 9/9/2020 11:42 AM | -0.6 | 1.9 | -0.9 | 1.3 | 3.1 |
| 9/9/2020 11:48 AM | -0.5 | 1.8 | -0.9 | 1.3 | 3.1 |
| 9/9/2020 11:54 AM | -0.5 | 1.8 | -0.8 | 1.3 | 3.1 |
| 9/9/2020 12:00 PM | -0.5 | 1.7 | -0.8 | 1.4 | 3.0 |
| 9/9/2020 12:06 PM | -0.6 | 1.7 | -0.8 | 1.3 | 3.0 |
| 9/9/2020 12:12 PM | -0.6 | 1.6 | -0.9 | 1.3 | 3.0 |
| 9/9/2020 12:18 PM | -0.6 | 1.6 | -0.9 | 1.3 | 3.0 |
| 9/9/2020 12:24 PM | -0.6 | 1.6 | -0.9 | 1.4 | 3.0 |
| 9/9/2020 12:30 PM | -0.6 | 1.6 | -0.9 | 1.3 | 3.0 |
| 9/9/2020 12:36 PM | -0.5 | 1.6 | -0.9 | 1.4 | 3.0 |
| 9/9/2020 12:42 PM | -0.5 | 1.6 | -0.9 | 1.4 | 3.1 |
| 9/9/2020 12:48 PM | -0.5 | 1.6 | -0.9 | 1.4 | 3.1 |
| 9/9/2020 12:54 PM | -0.5 | 1.6 | -0.9 | 1.4 | 3.1 |
| 9/9/2020 1:00 PM  | -0.5 | 1.6 | -0.9 | 1.3 | 3.0 |
| 9/9/2020 1:06 PM  | -0.5 | 1.6 | -0.9 | 2.2 | 3.0 |
| 9/9/2020 1:12 PM  | -0.5 | 1.6 | -0.9 | 3.9 | 3.0 |
| 9/9/2020 1:18 PM  | -0.5 | 1.6 | -0.9 | 4.4 | 3.0 |
| 9/9/2020 1:24 PM  | -0.6 | 1.5 | -0.9 | 4.2 | 3.0 |
| 9/9/2020 1:30 PM  | -0.6 | 1.5 | -0.8 | 4.0 | 3.1 |
| 9/9/2020 1:36 PM  | -0.6 | 1.5 | -0.8 | 4.0 | 3.1 |
| 9/9/2020 1:42 PM  | -0.6 | 1.4 | -0.8 | 3.8 | 3.1 |
| 9/9/2020 1:48 PM  | -0.6 | 1.4 | -0.8 | 3.8 | 3.1 |

|                  |      |      |      |     |     |
|------------------|------|------|------|-----|-----|
| 9/9/2020 1:54 PM | -0.6 | 1.4  | -0.8 | 3.7 | 3.2 |
| 9/9/2020 2:00 PM | -0.6 | 1.4  | -0.8 | 3.5 | 3.2 |
| 9/9/2020 2:06 PM | -0.6 | 1.4  | -0.8 | 3.4 | 3.2 |
| 9/9/2020 2:12 PM | -0.6 | 1.4  | -0.8 | 3.3 | 3.3 |
| 9/9/2020 2:18 PM | -0.6 | 1.4  | -0.8 | 3.3 | 3.1 |
| 9/9/2020 2:24 PM | -0.6 | 1.3  | -0.8 | 3.3 | 2.9 |
| 9/9/2020 2:30 PM | -0.6 | 1.3  | -0.8 | 3.3 | 3.0 |
| 9/9/2020 2:36 PM | -0.6 | 1.2  | -0.7 | 3.0 | 3.0 |
| 9/9/2020 2:42 PM | -0.6 | 1.2  | -0.7 | 2.9 | 3.0 |
| 9/9/2020 2:48 PM | -0.6 | 1.1  | -0.7 | 3.1 | 3.0 |
| 9/9/2020 2:54 PM | -0.6 | 1.1  | -0.7 | 3.1 | 3.0 |
| 9/9/2020 3:00 PM | -0.6 | 1.1  | -0.7 | 3.0 | 3.1 |
| 9/9/2020 3:06 PM | -0.6 | 1.1  | -0.7 | 3.0 | 3.2 |
| 9/9/2020 3:12 PM | -0.6 | 1.2  | -0.7 | 2.9 | 3.2 |
| 9/9/2020 3:18 PM | -0.6 | 1.2  | -0.7 | 2.8 | 3.3 |
| 9/9/2020 3:24 PM | -0.6 | 1.1  | -0.7 | 2.8 | 3.3 |
| 9/9/2020 3:30 PM | -0.6 | 6.0  | -0.7 | 2.9 | 3.2 |
| 9/9/2020 3:36 PM | 0.4  | 16.2 | -0.7 | 2.9 | 3.2 |
| 9/9/2020 3:42 PM | 4.3  | 10.7 | -0.7 | 2.7 | 3.2 |
| 9/9/2020 3:48 PM | 3.1  | 6.9  | -0.7 | 2.6 | 3.4 |
| 9/9/2020 3:54 PM | 2.4  | 6.5  | -0.7 | 2.6 | 3.3 |
| 9/9/2020 4:00 PM | 1.7  | 5.5  | -0.7 | 2.6 | 3.1 |
| 9/9/2020 4:06 PM | 0.8  | 4.2  | -0.7 | 2.6 | 3.0 |
| 9/9/2020 4:12 PM | 0.2  | 3.2  | -0.7 | 2.7 | 3.0 |
| 9/9/2020 4:18 PM | -0.2 | 2.5  | -0.7 | 2.7 | 3.0 |
| 9/9/2020 4:24 PM | -0.4 | 2.0  | -0.7 | 2.6 | 3.1 |
| 9/9/2020 4:30 PM | -0.5 | 1.7  | -0.7 | 2.6 | 3.0 |
| 9/9/2020 4:36 PM | -0.5 | 1.5  | -0.7 | 2.6 | 3.0 |
| 9/9/2020 4:42 PM | -0.6 | 1.4  | -0.7 | 2.7 | 3.0 |
| 9/9/2020 4:48 PM | -0.6 | 1.3  | -0.7 | 2.7 | 3.0 |
| 9/9/2020 4:54 PM | -0.6 | 1.3  | -0.7 | 1.8 | 2.9 |
| 9/9/2020 5:00 PM | -0.6 | 1.3  | -0.7 | 0.8 | 2.6 |
| 9/9/2020 5:06 PM | -0.6 | 1.3  | -0.7 | 0.9 | 2.7 |
| 9/9/2020 5:12 PM | -0.6 | 1.3  | -0.7 | 0.9 | 2.8 |
| 9/9/2020 5:18 PM | -0.6 | 1.3  | -0.7 | 1.0 | 2.8 |
| 9/9/2020 5:24 PM | -0.6 | 1.3  | -0.7 | 1.0 | 2.8 |
| 9/9/2020 5:30 PM | -0.6 | 1.4  | -0.7 | 1.0 | 2.9 |
| 9/9/2020 5:36 PM | -0.6 | 1.4  | -0.7 | 1.1 | 2.9 |
| 9/9/2020 5:42 PM | -0.6 | 1.4  | -0.7 | 1.1 | 2.9 |
| 9/9/2020 5:48 PM | -0.6 | 1.4  | -0.7 | 1.0 | 2.9 |
| 9/9/2020 5:54 PM | -0.6 | 1.4  | -0.7 | 1.0 | 2.9 |
| 9/9/2020 6:00 PM | -0.6 | 1.4  | -0.7 | 1.1 | 2.9 |
| 9/9/2020 6:06 PM | -0.6 | 1.4  | -0.7 | 1.1 | 2.8 |
| 9/9/2020 6:12 PM | -0.6 | 1.4  | -0.7 | 1.1 | 2.9 |
| 9/9/2020 6:18 PM | -0.6 | 1.4  | -0.7 | 1.0 | 2.9 |
| 9/9/2020 6:24 PM | -0.7 | 1.4  | -0.7 | 1.1 | 3.0 |
| 9/9/2020 6:30 PM | -0.7 | 1.4  | -0.7 | 1.1 | 3.0 |
| 9/9/2020 6:36 PM | -0.7 | 1.4  | -0.7 | 1.1 | 2.9 |
| 9/9/2020 6:42 PM | -0.7 | 1.4  | -0.7 | 1.1 | 2.9 |
| 9/9/2020 6:48 PM | -0.7 | 1.4  | -0.7 | 1.1 | 2.9 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 9/9/2020 6:54 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 2.9 |
| 9/9/2020 7:00 PM  | -0.7 | 1.4 | -0.7 | 1.2 | 3.0 |
| 9/9/2020 7:06 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 3.0 |
| 9/9/2020 7:12 PM  | -0.7 | 1.4 | -0.7 | 1.2 | 3.0 |
| 9/9/2020 7:18 PM  | -0.7 | 1.4 | -0.7 | 1.2 | 3.0 |
| 9/9/2020 7:24 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 3.0 |
| 9/9/2020 7:30 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 3.0 |
| 9/9/2020 7:36 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 3.0 |
| 9/9/2020 7:42 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 3.0 |
| 9/9/2020 7:48 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 2.8 |
| 9/9/2020 7:54 PM  | -0.7 | 1.4 | -0.8 | 1.1 | 2.8 |
| 9/9/2020 8:00 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 2.8 |
| 9/9/2020 8:06 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 2.8 |
| 9/9/2020 8:12 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 2.9 |
| 9/9/2020 8:18 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 3.0 |
| 9/9/2020 8:24 PM  | -0.7 | 1.4 | -0.7 | 1.2 | 2.9 |
| 9/9/2020 8:30 PM  | -0.7 | 1.4 | -0.7 | 1.2 | 2.9 |
| 9/9/2020 8:36 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 2.9 |
| 9/9/2020 8:42 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 2.9 |
| 9/9/2020 8:48 PM  | -0.7 | 1.4 | -0.7 | 1.2 | 2.9 |
| 9/9/2020 8:54 PM  | -0.7 | 1.4 | -0.7 | 1.2 | 2.9 |
| 9/9/2020 9:00 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 2.9 |
| 9/9/2020 9:06 PM  | -0.7 | 1.4 | -0.7 | 1.1 | 2.9 |
| 9/9/2020 9:12 PM  | -0.7 | 1.4 | -0.7 | 1.2 | 2.8 |
| 9/9/2020 9:18 PM  | -0.7 | 1.4 | -0.7 | 1.4 | 2.8 |
| 9/9/2020 9:24 PM  | -0.7 | 1.4 | -0.7 | 1.6 | 2.9 |
| 9/9/2020 9:30 PM  | -0.7 | 1.4 | -0.7 | 1.5 | 2.9 |
| 9/9/2020 9:36 PM  | -0.7 | 1.4 | -0.7 | 1.5 | 2.9 |
| 9/9/2020 9:42 PM  | -0.7 | 1.4 | -0.7 | 1.5 | 3.0 |
| 9/9/2020 9:48 PM  | -0.7 | 1.4 | -0.7 | 1.5 | 3.0 |
| 9/9/2020 9:54 PM  | -0.7 | 1.4 | -0.7 | 2.3 | 3.0 |
| 9/9/2020 10:00 PM | -0.7 | 1.4 | -0.7 | 2.7 | 2.8 |
| 9/9/2020 10:06 PM | -0.7 | 1.5 | -0.7 | 2.5 | 2.9 |
| 9/9/2020 10:12 PM | -0.7 | 1.5 | -0.8 | 2.4 | 3.0 |
| 9/9/2020 10:18 PM | -0.7 | 1.5 | -0.8 | 2.4 | 3.0 |
| 9/9/2020 10:24 PM | -0.7 | 1.5 | -0.8 | 2.3 | 2.9 |
| 9/9/2020 10:30 PM | -0.7 | 1.5 | -0.8 | 2.3 | 2.8 |
| 9/9/2020 10:36 PM | -0.7 | 1.5 | -0.8 | 2.2 | 2.8 |
| 9/9/2020 10:42 PM | -0.7 | 1.5 | -0.8 | 1.6 | 2.8 |
| 9/9/2020 10:48 PM | -0.7 | 1.5 | -0.8 | 1.3 | 2.8 |
| 9/9/2020 10:54 PM | -0.7 | 1.5 | -0.8 | 1.4 | 2.8 |
| 9/9/2020 11:00 PM | -0.7 | 1.5 | -0.8 | 1.4 | 2.8 |
| 9/9/2020 11:06 PM | -0.6 | 1.5 | -0.8 | 1.3 | 2.8 |
| 9/9/2020 11:12 PM | -0.6 | 1.5 | -0.8 | 1.0 | 2.9 |
| 9/9/2020 11:18 PM | -0.6 | 1.5 | -0.8 | 0.8 | 2.9 |
| 9/9/2020 11:24 PM | -0.6 | 1.5 | -0.8 | 0.9 | 3.0 |
| 9/9/2020 11:30 PM | -0.6 | 1.5 | -0.8 | 1.0 | 3.0 |
| 9/9/2020 11:36 PM | -0.6 | 1.5 | -0.8 | 1.0 | 2.9 |
| 9/9/2020 11:42 PM | -0.6 | 1.5 | -0.8 | 1.0 | 2.8 |
| 9/9/2020 11:48 PM | -0.6 | 1.5 | -0.8 | 1.1 | 2.6 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/9/2020 11:54 PM  | -0.6 | 1.5 | -0.8 | 1.2  | 2.6 |
| 9/10/2020 12:00 AM | -0.6 | 1.5 | -0.8 | 1.2  | 2.6 |
| 9/10/2020 12:06 AM | -0.6 | 1.4 | -0.8 | 1.2  | 2.5 |
| 9/10/2020 12:12 AM | -0.6 | 1.3 | -0.7 | 1.2  | 2.6 |
| 9/10/2020 12:18 AM | -0.6 | 1.1 | -0.5 | 1.2  | 2.9 |
| 9/10/2020 12:24 AM | -0.6 | 1.0 | -0.4 | 0.5  | 4.0 |
| 9/10/2020 12:30 AM | -0.6 | 0.9 | -0.4 | -0.4 | 5.2 |
| 9/10/2020 12:36 AM | -0.6 | 0.9 | -0.4 | -0.6 | 6.0 |
| 9/10/2020 12:42 AM | -0.6 | 0.9 | -0.4 | -0.6 | 8.1 |
| 9/10/2020 12:48 AM | -0.6 | 0.9 | -0.5 | 8.2  | 6.7 |
| 9/10/2020 12:54 AM | -0.6 | 1.0 | -0.5 | 10.6 | 2.9 |
| 9/10/2020 1:00 AM  | -0.6 | 1.0 | -0.5 | 5.6  | 3.1 |
| 9/10/2020 1:06 AM  | -0.6 | 1.0 | -0.5 | 4.7  | 3.5 |
| 9/10/2020 1:12 AM  | -0.6 | 1.1 | -0.6 | 4.1  | 3.4 |
| 9/10/2020 1:18 AM  | -0.6 | 1.1 | -0.6 | 3.6  | 3.4 |
| 9/10/2020 1:24 AM  | -0.6 | 1.1 | -0.6 | 3.2  | 3.4 |
| 9/10/2020 1:30 AM  | -0.6 | 1.2 | -0.6 | 3.0  | 3.3 |
| 9/10/2020 1:36 AM  | -0.6 | 1.2 | -0.6 | 2.9  | 3.3 |
| 9/10/2020 1:42 AM  | -0.6 | 1.3 | -0.6 | 2.7  | 3.2 |
| 9/10/2020 1:48 AM  | -0.6 | 1.3 | -0.6 | 2.8  | 3.2 |
| 9/10/2020 1:54 AM  | -0.6 | 1.4 | -0.6 | 2.6  | 3.3 |
| 9/10/2020 2:00 AM  | -0.6 | 1.4 | -0.6 | 2.3  | 3.2 |
| 9/10/2020 2:06 AM  | -0.6 | 1.5 | -0.6 | 1.6  | 2.9 |
| 9/10/2020 2:12 AM  | -0.6 | 1.5 | -0.6 | 0.7  | 2.4 |
| 9/10/2020 2:18 AM  | -0.6 | 1.5 | -0.6 | 0.5  | 2.3 |
| 9/10/2020 2:24 AM  | -0.6 | 1.5 | -0.6 | 0.7  | 2.5 |
| 9/10/2020 2:30 AM  | -0.6 | 1.5 | -0.6 | 0.7  | 2.6 |
| 9/10/2020 2:36 AM  | -0.6 | 1.5 | -0.6 | 0.7  | 2.6 |
| 9/10/2020 2:42 AM  | -0.6 | 1.5 | -0.6 | 0.7  | 2.6 |
| 9/10/2020 2:48 AM  | -0.6 | 1.5 | -0.6 | 0.7  | 2.7 |
| 9/10/2020 2:54 AM  | -0.6 | 1.5 | -0.6 | 0.7  | 2.7 |
| 9/10/2020 3:00 AM  | -0.6 | 1.5 | -0.6 | 0.7  | 2.7 |
| 9/10/2020 3:06 AM  | -0.6 | 1.5 | -0.6 | 1.0  | 2.6 |
| 9/10/2020 3:12 AM  | -0.6 | 1.5 | -0.6 | 1.3  | 2.5 |
| 9/10/2020 3:18 AM  | -0.6 | 1.4 | -0.6 | 1.3  | 2.5 |
| 9/10/2020 3:24 AM  | -0.6 | 1.4 | -0.5 | 1.2  | 2.5 |
| 9/10/2020 3:30 AM  | -0.6 | 1.4 | -0.5 | 1.2  | 2.5 |
| 9/10/2020 3:36 AM  | -0.6 | 1.4 | -0.5 | 1.2  | 2.6 |
| 9/10/2020 3:42 AM  | -0.6 | 1.5 | -0.5 | 1.2  | 2.6 |
| 9/10/2020 3:48 AM  | -0.6 | 1.5 | -0.5 | 1.2  | 2.7 |
| 9/10/2020 3:54 AM  | -0.6 | 1.6 | -0.6 | 1.2  | 2.7 |
| 9/10/2020 4:00 AM  | -0.6 | 1.6 | -0.6 | 1.3  | 2.6 |
| 9/10/2020 4:06 AM  | -0.6 | 1.7 | -0.6 | 1.4  | 2.7 |
| 9/10/2020 4:12 AM  | -0.6 | 1.7 | -0.7 | 1.5  | 2.8 |
| 9/10/2020 4:18 AM  | -0.6 | 1.7 | -0.7 | 1.4  | 2.9 |
| 9/10/2020 4:24 AM  | -0.6 | 1.7 | -0.7 | 1.5  | 2.9 |
| 9/10/2020 4:30 AM  | -0.6 | 1.7 | -0.7 | 1.5  | 3.0 |
| 9/10/2020 4:36 AM  | -0.6 | 1.7 | -0.6 | 2.0  | 3.0 |
| 9/10/2020 4:42 AM  | -0.5 | 1.7 | -0.6 | 2.7  | 3.1 |
| 9/10/2020 4:48 AM  | -0.5 | 1.7 | -0.5 | 2.8  | 3.1 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 9/10/2020 4:54 AM | -0.5 | 1.7  | -0.5 | 2.8  | 3.2 |
| 9/10/2020 5:00 AM | -0.5 | 1.8  | -0.5 | 2.8  | 3.2 |
| 9/10/2020 5:06 AM | -0.5 | 1.7  | -0.5 | 4.1  | 3.4 |
| 9/10/2020 5:12 AM | -0.6 | 1.7  | -0.6 | 5.9  | 4.1 |
| 9/10/2020 5:18 AM | -0.6 | 1.7  | -0.6 | 6.5  | 4.6 |
| 9/10/2020 5:24 AM | -0.6 | 1.8  | -0.6 | 7.2  | 5.1 |
| 9/10/2020 5:30 AM | -0.6 | 1.8  | -0.7 | 7.9  | 6.4 |
| 9/10/2020 5:36 AM | -0.6 | 1.8  | -0.7 | 7.7  | 6.5 |
| 9/10/2020 5:42 AM | -0.6 | 1.8  | -0.7 | 9.3  | 6.0 |
| 9/10/2020 5:48 AM | -0.6 | 16.8 | -0.7 | 7.8  | 4.7 |
| 9/10/2020 5:54 AM | -0.6 | 17.3 | -0.7 | 3.6  | 3.2 |
| 9/10/2020 6:00 AM | -0.6 | 11.6 | -0.7 | 3.6  | 3.2 |
| 9/10/2020 6:06 AM | -0.6 | 10.1 | -0.7 | 3.8  | 3.2 |
| 9/10/2020 6:12 AM | -0.6 | 6.5  | -0.7 | 3.7  | 3.2 |
| 9/10/2020 6:18 AM | -0.6 | 4.3  | -0.7 | 3.6  | 3.1 |
| 9/10/2020 6:24 AM | -0.6 | 3.9  | -0.7 | 3.6  | 3.1 |
| 9/10/2020 6:30 AM | -0.6 | 3.9  | -0.7 | 3.6  | 3.2 |
| 9/10/2020 6:36 AM | -0.6 | 4.0  | -0.7 | 3.8  | 3.1 |
| 9/10/2020 6:42 AM | -0.6 | 3.8  | -0.7 | 3.7  | 3.1 |
| 9/10/2020 6:48 AM | -0.6 | 3.3  | -0.7 | 3.8  | 3.2 |
| 9/10/2020 6:54 AM | -0.6 | 2.7  | -0.7 | 3.8  | 3.2 |
| 9/10/2020 7:00 AM | -0.6 | 2.2  | -0.6 | 3.7  | 3.2 |
| 9/10/2020 7:06 AM | -0.6 | 1.8  | -0.6 | 3.8  | 3.2 |
| 9/10/2020 7:12 AM | -0.6 | 1.5  | -0.6 | 3.8  | 3.2 |
| 9/10/2020 7:18 AM | -0.6 | 1.3  | -0.6 | 3.7  | 3.1 |
| 9/10/2020 7:24 AM | -0.6 | 1.2  | -0.6 | 3.7  | 3.2 |
| 9/10/2020 7:30 AM | -0.6 | 1.1  | -0.6 | 3.7  | 3.3 |
| 9/10/2020 7:36 AM | -0.6 | 1.0  | -0.6 | 3.7  | 3.3 |
| 9/10/2020 7:42 AM | -0.6 | 0.9  | -0.6 | 3.7  | 3.4 |
| 9/10/2020 7:48 AM | -0.6 | 0.9  | -0.6 | 3.7  | 3.3 |
| 9/10/2020 7:54 AM | -0.6 | 0.8  | -0.6 | 3.7  | 3.3 |
| 9/10/2020 8:00 AM | -0.6 | 0.8  | -0.6 | 3.7  | 3.3 |
| 9/10/2020 8:06 AM | -0.6 | 0.8  | -0.6 | 3.8  | 3.3 |
| 9/10/2020 8:12 AM | -0.5 | 0.8  | -0.6 | 3.7  | 3.3 |
| 9/10/2020 8:18 AM | -0.5 | 0.7  | -0.6 | 3.5  | 3.3 |
| 9/10/2020 8:24 AM | -0.6 | 0.7  | -0.6 | 3.5  | 3.3 |
| 9/10/2020 8:30 AM | -0.6 | 0.6  | -0.7 | 3.4  | 3.3 |
| 9/10/2020 8:36 AM | -0.6 | 0.6  | -0.7 | 3.5  | 3.3 |
| 9/10/2020 8:42 AM | -0.6 | 0.7  | -0.8 | 3.6  | 3.3 |
| 9/10/2020 8:48 AM | -0.6 | 2.0  | -0.8 | 3.6  | 3.3 |
| 9/10/2020 8:54 AM | -0.6 | 4.5  | -0.8 | 3.4  | 3.4 |
| 9/10/2020 9:00 AM | -0.6 | 4.0  | -0.9 | 6.5  | 5.6 |
| 9/10/2020 9:06 AM | -0.6 | 3.4  | -0.9 | 11.6 | 9.4 |
| 9/10/2020 9:12 AM | -0.6 | 2.9  | -0.9 | 11.9 | 9.7 |
| 9/10/2020 9:18 AM | -0.6 | 2.5  | -0.9 | 11.6 | 8.5 |
| 9/10/2020 9:24 AM | -0.6 | 2.4  | -0.9 | 11.7 | 7.9 |
| 9/10/2020 9:30 AM | -0.6 | 2.3  | -0.9 | 12.0 | 7.8 |
| 9/10/2020 9:36 AM | -0.6 | 1.3  | -0.9 | 7.5  | 7.9 |
| 9/10/2020 9:42 AM | -0.6 | 0.3  | -0.9 | 2.7  | 8.0 |
| 9/10/2020 9:48 AM | -0.6 | 0.4  | -0.9 | 3.1  | 8.0 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/10/2020 9:54 AM  | -0.6 | 0.4  | -1.0 | 3.2  | 7.7 |
| 9/10/2020 10:00 AM | -0.6 | 0.3  | -0.9 | 3.3  | 7.8 |
| 9/10/2020 10:06 AM | -0.6 | 0.3  | -0.9 | 3.3  | 7.9 |
| 9/10/2020 10:12 AM | -0.6 | 0.3  | -0.9 | 3.5  | 7.9 |
| 9/10/2020 10:18 AM | -0.6 | 0.3  | -0.9 | 3.4  | 7.6 |
| 9/10/2020 10:24 AM | -0.6 | 0.3  | -0.9 | 3.4  | 7.4 |
| 9/10/2020 10:30 AM | -0.5 | 0.3  | -0.9 | 3.5  | 7.4 |
| 9/10/2020 10:36 AM | -0.5 | 0.2  | -0.9 | 3.6  | 7.6 |
| 9/10/2020 10:42 AM | -0.6 | -0.3 | -0.9 | 3.8  | 7.9 |
| 9/10/2020 10:48 AM | -0.6 | -0.9 | -0.9 | 4.0  | 7.5 |
| 9/10/2020 10:54 AM | -0.6 | -0.9 | -0.9 | 1.7  | 4.7 |
| 9/10/2020 11:00 AM | -0.6 | -0.9 | -0.9 | -0.6 | 2.8 |
| 9/10/2020 11:06 AM | -0.6 | -1.0 | -0.9 | -0.7 | 3.0 |
| 9/10/2020 11:12 AM | -0.6 | -1.0 | -0.9 | -0.7 | 3.0 |
| 9/10/2020 11:18 AM | -0.6 | -1.0 | -0.9 | -0.7 | 3.1 |
| 9/10/2020 11:24 AM | -0.6 | -1.0 | -1.0 | -0.7 | 3.1 |
| 9/10/2020 11:30 AM | -0.6 | -1.0 | -1.0 | -0.7 | 3.2 |
| 9/10/2020 11:36 AM | -0.6 | -1.0 | -1.0 | -0.7 | 3.2 |
| 9/10/2020 11:42 AM | -0.6 | -1.0 | -0.9 | -0.7 | 3.2 |
| 9/10/2020 11:48 AM | -0.5 | -1.0 | -0.9 | -0.7 | 2.8 |
| 9/10/2020 11:54 AM | -0.5 | -1.0 | -0.9 | -0.7 | 2.6 |
| 9/10/2020 12:00 PM | -0.6 | -1.0 | -0.9 | -0.7 | 2.7 |
| 9/10/2020 12:06 PM | -0.6 | -1.1 | -1.0 | -0.8 | 2.7 |
| 9/10/2020 12:12 PM | -0.6 | -1.1 | -1.0 | -0.8 | 2.6 |
| 9/10/2020 12:18 PM | -0.6 | -1.1 | -1.0 | -0.8 | 2.6 |
| 9/10/2020 12:24 PM | -0.6 | -1.1 | -1.0 | -0.9 | 2.6 |
| 9/10/2020 12:30 PM | -0.6 | -1.1 | -1.0 | -0.8 | 2.6 |
| 9/10/2020 12:36 PM | -0.6 | -1.1 | -1.0 | -0.8 | 2.6 |
| 9/10/2020 12:42 PM | -0.6 | -1.1 | -1.0 | -0.8 | 2.7 |
| 9/10/2020 12:48 PM | -0.6 | -1.1 | -1.1 | -0.8 | 2.7 |
| 9/10/2020 12:54 PM | -0.6 | -1.1 | -1.1 | -0.8 | 2.7 |
| 9/10/2020 1:00 PM  | -0.6 | -1.1 | -1.1 | 1.1  | 2.8 |
| 9/10/2020 1:06 PM  | -0.6 | -1.1 | -1.1 | 8.2  | 2.9 |
| 9/10/2020 1:12 PM  | -0.6 | -1.1 | -1.1 | 8.0  | 2.9 |
| 9/10/2020 1:18 PM  | -0.6 | -1.0 | -1.1 | 4.9  | 2.9 |
| 9/10/2020 1:24 PM  | -0.6 | -1.1 | -1.1 | 5.2  | 2.9 |
| 9/10/2020 1:30 PM  | -0.6 | -1.1 | -1.1 | 5.1  | 2.9 |
| 9/10/2020 1:36 PM  | -0.6 | -1.1 | -1.1 | 4.6  | 2.9 |
| 9/10/2020 1:42 PM  | -0.6 | -1.1 | -1.1 | 4.4  | 2.9 |
| 9/10/2020 1:48 PM  | -0.6 | -1.0 | -1.1 | 4.2  | 2.9 |
| 9/10/2020 1:54 PM  | -0.6 | -1.0 | -1.1 | 4.3  | 2.9 |
| 9/10/2020 2:00 PM  | -0.6 | -1.0 | -1.1 | 4.4  | 2.9 |
| 9/10/2020 2:06 PM  | -0.6 | -1.0 | -1.1 | 4.2  | 2.9 |
| 9/10/2020 2:12 PM  | -0.6 | -1.0 | -1.1 | 5.0  | 3.1 |
| 9/10/2020 2:18 PM  | -0.6 | -1.0 | -1.1 | 6.2  | 3.5 |
| 9/10/2020 2:24 PM  | -0.6 | -1.0 | -1.1 | 6.1  | 3.4 |
| 9/10/2020 2:30 PM  | -0.6 | -1.0 | -1.1 | 6.2  | 3.4 |
| 9/10/2020 2:36 PM  | -0.6 | -1.0 | -1.1 | 6.2  | 3.4 |
| 9/10/2020 2:42 PM  | -0.6 | -1.1 | -1.1 | 6.3  | 3.3 |
| 9/10/2020 2:48 PM  | -0.6 | -1.0 | -1.1 | 6.4  | 3.3 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 9/10/2020 2:54 PM | -0.6 | -1.0 | -1.1 | 6.3  | 3.3 |
| 9/10/2020 3:00 PM | -0.6 | -1.1 | -1.1 | 6.1  | 3.3 |
| 9/10/2020 3:06 PM | -0.6 | -1.1 | -1.1 | 5.9  | 3.3 |
| 9/10/2020 3:12 PM | -0.6 | -1.0 | -1.1 | 5.7  | 3.2 |
| 9/10/2020 3:18 PM | -0.6 | -1.0 | -1.1 | 5.5  | 3.1 |
| 9/10/2020 3:24 PM | -0.6 | -1.0 | -1.1 | 4.8  | 3.1 |
| 9/10/2020 3:30 PM | -0.6 | -1.0 | -1.0 | 2.8  | 3.0 |
| 9/10/2020 3:36 PM | -0.6 | -1.0 | -1.0 | 2.2  | 2.9 |
| 9/10/2020 3:42 PM | -0.6 | -1.0 | -1.0 | 2.3  | 3.0 |
| 9/10/2020 3:48 PM | -0.6 | -1.0 | -1.0 | 2.3  | 3.0 |
| 9/10/2020 3:54 PM | -0.6 | -1.0 | -1.0 | 2.4  | 3.0 |
| 9/10/2020 4:00 PM | -0.6 | -1.0 | -1.1 | 2.5  | 3.0 |
| 9/10/2020 4:06 PM | -0.5 | -1.0 | -1.2 | 2.5  | 3.0 |
| 9/10/2020 4:12 PM | -0.5 | -1.0 | -1.2 | 6.1  | 3.9 |
| 9/10/2020 4:18 PM | -0.5 | -1.0 | -1.2 | 7.1  | 4.5 |
| 9/10/2020 4:24 PM | -0.5 | -0.9 | -1.2 | 3.2  | 3.7 |
| 9/10/2020 4:30 PM | -0.5 | -1.0 | -1.2 | 3.9  | 4.0 |
| 9/10/2020 4:36 PM | -0.5 | -1.0 | -1.3 | 6.0  | 4.5 |
| 9/10/2020 4:42 PM | -0.5 | -0.9 | -1.3 | 6.9  | 4.5 |
| 9/10/2020 4:48 PM | -0.5 | -0.9 | -1.3 | 7.6  | 5.6 |
| 9/10/2020 4:54 PM | -0.5 | -1.0 | -1.3 | 8.5  | 6.8 |
| 9/10/2020 5:00 PM | -0.5 | -0.9 | -1.2 | 8.6  | 6.5 |
| 9/10/2020 5:06 PM | -0.6 | -0.9 | -1.2 | 8.5  | 6.5 |
| 9/10/2020 5:12 PM | -0.6 | -1.0 | -1.2 | 8.5  | 6.2 |
| 9/10/2020 5:18 PM | -0.6 | -1.0 | -1.2 | 8.3  | 6.1 |
| 9/10/2020 5:24 PM | -0.6 | -1.0 | -1.2 | 8.2  | 6.0 |
| 9/10/2020 5:30 PM | -0.6 | -1.0 | -1.2 | 8.3  | 5.9 |
| 9/10/2020 5:36 PM | -0.6 | -1.0 | -1.2 | 8.2  | 5.9 |
| 9/10/2020 5:42 PM | -0.6 | -0.9 | -1.2 | 8.2  | 5.7 |
| 9/10/2020 5:48 PM | -0.6 | -1.0 | -1.2 | 8.4  | 5.4 |
| 9/10/2020 5:54 PM | -0.6 | -0.9 | -1.1 | 8.6  | 5.4 |
| 9/10/2020 6:00 PM | -0.6 | -0.9 | -1.1 | 8.6  | 5.4 |
| 9/10/2020 6:06 PM | -0.6 | -0.9 | -1.1 | 8.4  | 5.4 |
| 9/10/2020 6:12 PM | -0.6 | -1.0 | -1.0 | 5.8  | 4.3 |
| 9/10/2020 6:18 PM | -0.6 | -1.0 | -1.0 | 3.4  | 3.1 |
| 9/10/2020 6:24 PM | -0.6 | -1.0 | -1.0 | 3.2  | 2.9 |
| 9/10/2020 6:30 PM | -0.6 | -0.9 | -0.9 | 3.4  | 3.0 |
| 9/10/2020 6:36 PM | -0.6 | -0.9 | -0.9 | 3.3  | 3.0 |
| 9/10/2020 6:42 PM | -0.6 | -0.9 | -0.8 | 3.4  | 3.0 |
| 9/10/2020 6:48 PM | -0.6 | -1.0 | -0.7 | 3.3  | 3.0 |
| 9/10/2020 6:54 PM | -0.6 | -0.9 | -0.7 | 3.2  | 3.0 |
| 9/10/2020 7:00 PM | -0.6 | -0.9 | -0.7 | 3.1  | 3.0 |
| 9/10/2020 7:06 PM | -0.5 | -0.9 | -0.7 | 2.1  | 2.8 |
| 9/10/2020 7:12 PM | -0.5 | -0.9 | -0.8 | 1.4  | 2.7 |
| 9/10/2020 7:18 PM | -0.4 | -0.8 | -0.9 | 4.8  | 4.3 |
| 9/10/2020 7:24 PM | -0.4 | -0.8 | -1.0 | 9.3  | 6.3 |
| 9/10/2020 7:30 PM | -0.4 | -0.8 | -1.0 | 11.7 | 8.5 |
| 9/10/2020 7:36 PM | -0.5 | 2.2  | -1.0 | 11.8 | 9.2 |
| 9/10/2020 7:42 PM | -0.5 | 9.2  | -0.9 | 11.7 | 8.5 |
| 9/10/2020 7:48 PM | -0.5 | 9.4  | -0.8 | 11.9 | 8.2 |



|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/10/2020 7:54 PM  | -0.5 | 5.5  | -0.7 | 11.9 | 8.1 |
| 9/10/2020 8:00 PM  | -0.5 | 2.5  | -0.7 | 12.0 | 8.2 |
| 9/10/2020 8:06 PM  | -0.5 | 2.5  | -0.6 | 12.3 | 8.2 |
| 9/10/2020 8:12 PM  | -0.5 | 3.3  | -0.6 | 12.6 | 8.2 |
| 9/10/2020 8:18 PM  | 20.3 | 3.3  | -0.6 | 12.6 | 8.2 |
| 9/10/2020 8:24 PM  | 35.1 | 3.0  | -0.6 | 13.0 | 8.0 |
| 9/10/2020 8:30 PM  | 15.2 | 3.0  | -0.6 | 13.5 | 7.8 |
| 9/10/2020 8:36 PM  | 9.4  | 3.0  | -0.6 | 13.4 | 7.7 |
| 9/10/2020 8:42 PM  | 6.6  | 3.3  | -0.7 | 12.5 | 7.6 |
| 9/10/2020 8:48 PM  | 2.6  | 3.6  | -0.7 | 12.4 | 7.5 |
| 9/10/2020 8:54 PM  | 1.6  | 3.6  | -0.8 | 12.9 | 7.5 |
| 9/10/2020 9:00 PM  | 1.2  | 3.3  | -0.8 | 13.2 | 7.6 |
| 9/10/2020 9:06 PM  | 1.2  | 3.0  | -0.8 | 12.9 | 7.4 |
| 9/10/2020 9:12 PM  | 0.8  | 2.9  | -0.9 | 12.2 | 7.5 |
| 9/10/2020 9:18 PM  | 0.5  | 2.7  | -0.9 | 12.1 | 7.6 |
| 9/10/2020 9:24 PM  | 0.4  | 2.5  | -0.9 | 12.2 | 7.4 |
| 9/10/2020 9:30 PM  | 0.4  | 2.3  | -0.9 | 12.0 | 7.2 |
| 9/10/2020 9:36 PM  | 0.4  | 2.3  | -0.9 | 11.9 | 7.2 |
| 9/10/2020 9:42 PM  | 0.4  | 2.3  | -0.9 | 11.5 | 7.2 |
| 9/10/2020 9:48 PM  | 0.3  | 2.3  | -0.9 | 10.9 | 7.0 |
| 9/10/2020 9:54 PM  | 0.3  | 2.4  | -0.9 | 11.1 | 7.1 |
| 9/10/2020 10:00 PM | 0.4  | 2.5  | -0.9 | 11.5 | 7.2 |
| 9/10/2020 10:06 PM | 0.4  | 2.5  | -0.9 | 11.5 | 6.9 |
| 9/10/2020 10:12 PM | 0.3  | 2.4  | -0.9 | 11.7 | 7.1 |
| 9/10/2020 10:18 PM | 0.2  | 2.2  | -0.9 | 12.0 | 7.2 |
| 9/10/2020 10:24 PM | 0.2  | 2.1  | -0.9 | 11.8 | 7.4 |
| 9/10/2020 10:30 PM | 0.2  | 2.0  | -0.8 | 11.5 | 7.4 |
| 9/10/2020 10:36 PM | 0.2  | 1.7  | -0.8 | 11.3 | 7.3 |
| 9/10/2020 10:42 PM | 0.2  | 1.5  | -0.8 | 11.7 | 6.7 |
| 9/10/2020 10:48 PM | 0.1  | 1.4  | -0.8 | 9.2  | 6.4 |
| 9/10/2020 10:54 PM | 0.1  | 0.6  | -0.8 | 6.3  | 7.0 |
| 9/10/2020 11:00 PM | 0.1  | -0.3 | -0.7 | 7.2  | 7.4 |
| 9/10/2020 11:06 PM | -0.1 | -0.8 | -0.7 | 7.2  | 6.4 |
| 9/10/2020 11:12 PM | -0.4 | -0.9 | -0.7 | 3.2  | 3.6 |
| 9/10/2020 11:18 PM | -0.6 | -0.9 | -0.6 | 1.0  | 2.3 |
| 9/10/2020 11:24 PM | -0.6 | -0.9 | -0.6 | 1.1  | 2.4 |
| 9/10/2020 11:30 PM | -0.6 | -0.9 | -0.6 | 1.2  | 2.4 |
| 9/10/2020 11:36 PM | -0.5 | -0.9 | -0.6 | 1.3  | 2.5 |
| 9/10/2020 11:42 PM | -0.6 | -0.9 | -0.5 | 1.9  | 2.5 |
| 9/10/2020 11:48 PM | -0.6 | -1.0 | -0.5 | 2.1  | 2.6 |
| 9/10/2020 11:54 PM | -0.6 | -1.0 | -0.5 | 1.9  | 2.6 |
| 9/11/2020 12:00 AM | -0.6 | -1.0 | -0.5 | 1.9  | 2.6 |
| 9/11/2020 12:06 AM | -0.6 | -1.0 | -0.5 | 1.9  | 2.7 |
| 9/11/2020 12:12 AM | -0.6 | -1.0 | -0.5 | 2.0  | 2.8 |
| 9/11/2020 12:18 AM | -0.6 | -1.0 | -0.4 | 2.1  | 2.7 |
| 9/11/2020 12:24 AM | -0.6 | -1.0 | -0.4 | 2.1  | 2.7 |
| 9/11/2020 12:30 AM | -0.6 | -1.0 | -0.4 | 2.1  | 2.7 |
| 9/11/2020 12:36 AM | -0.6 | -1.0 | -0.4 | 2.1  | 2.7 |
| 9/11/2020 12:42 AM | -0.6 | -1.0 | -0.4 | 2.1  | 2.8 |
| 9/11/2020 12:48 AM | -0.6 | -1.0 | -0.4 | 2.1  | 2.8 |

|                    |      |      |      |     |      |
|--------------------|------|------|------|-----|------|
| 9/11/2020 12:54 AM | -0.5 | -0.9 | -0.4 | 2.1 | 2.8  |
| 9/11/2020 1:00 AM  | -0.6 | -1.0 | -0.4 | 2.1 | 2.8  |
| 9/11/2020 1:06 AM  | -0.6 | -0.9 | -0.4 | 2.1 | 2.7  |
| 9/11/2020 1:12 AM  | -0.5 | -0.9 | -0.4 | 2.1 | 2.7  |
| 9/11/2020 1:18 AM  | -0.5 | -0.9 | -0.4 | 2.1 | 2.8  |
| 9/11/2020 1:24 AM  | -0.5 | -0.9 | -0.4 | 2.1 | 2.8  |
| 9/11/2020 1:30 AM  | -0.6 | -0.9 | -0.4 | 3.0 | 2.8  |
| 9/11/2020 1:36 AM  | -0.6 | -0.9 | -0.3 | 6.0 | 1.5  |
| 9/11/2020 1:42 AM  | -0.6 | -0.9 | -0.3 | 7.1 | 0.1  |
| 9/11/2020 1:48 AM  | -0.6 | -0.9 | -0.3 | 6.7 | 0.0  |
| 9/11/2020 1:54 AM  | -0.5 | -1.0 | -0.3 | 6.6 | 0.0  |
| 9/11/2020 2:00 AM  | -0.6 | -1.0 | -0.3 | 6.6 | 0.0  |
| 9/11/2020 2:06 AM  | -0.6 | -0.9 | -0.3 | 6.6 | 0.0  |
| 9/11/2020 2:12 AM  | -0.6 | -1.0 | -0.3 | 6.6 | 0.0  |
| 9/11/2020 2:18 AM  | -0.5 | -1.0 | -0.3 | 6.8 | 0.0  |
| 9/11/2020 2:24 AM  | -0.5 | -0.9 | -0.3 | 6.8 | 0.0  |
| 9/11/2020 2:30 AM  | -0.5 | -0.9 | -0.3 | 6.7 | 0.0  |
| 9/11/2020 2:36 AM  | -0.6 | -1.0 | -0.2 | 6.3 | 0.0  |
| 9/11/2020 2:42 AM  | -0.6 | -1.0 | -0.3 | 6.4 | 0.0  |
| 9/11/2020 2:48 AM  | -0.5 | -0.9 | -0.3 | 6.3 | 0.0  |
| 9/11/2020 2:54 AM  | -0.5 | -0.9 | -0.3 | 6.3 | 0.0  |
| 9/11/2020 3:00 AM  | -0.6 | -0.9 | -0.3 | 6.3 | 0.0  |
| 9/11/2020 3:06 AM  | -0.6 | -0.9 | -0.4 | 6.2 | 0.0  |
| 9/11/2020 3:12 AM  | -0.6 | -1.0 | -0.5 | 6.2 | 0.0  |
| 9/11/2020 3:18 AM  | -0.5 | -1.0 | -0.5 | 6.1 | 0.0  |
| 9/11/2020 3:24 AM  | -0.6 | -0.9 | -0.5 | 6.1 | 0.0  |
| 9/11/2020 3:30 AM  | -0.6 | -1.0 | -0.5 | 5.8 | 0.0  |
| 9/11/2020 3:36 AM  | -0.6 | -1.0 | -0.5 | 5.8 | 0.0  |
| 9/11/2020 3:42 AM  | -0.6 | -0.9 | -0.5 | 5.9 | 0.0  |
| 9/11/2020 3:48 AM  | -0.6 | -1.0 | -0.5 | 5.9 | 0.0  |
| 9/11/2020 3:54 AM  | -0.6 | -1.0 | -0.5 | 6.8 | 0.0  |
| 9/11/2020 4:00 AM  | -0.6 | -1.0 | -0.5 | 7.2 | 0.0  |
| 9/11/2020 4:06 AM  | -0.6 | -1.0 | -0.5 | 7.2 | 0.0  |
| 9/11/2020 4:12 AM  | -0.6 | -1.0 | -0.5 | 7.1 | 0.0  |
| 9/11/2020 4:18 AM  | -0.7 | -1.0 | -0.5 | 7.2 | 0.0  |
| 9/11/2020 4:24 AM  | -0.6 | -1.0 | -0.5 | 7.3 | 0.0  |
| 9/11/2020 4:30 AM  | -0.6 | -1.0 | -0.5 | 7.2 | 0.0  |
| 9/11/2020 4:36 AM  | -0.6 | -1.0 | -0.5 | 7.2 | 0.0  |
| 9/11/2020 4:42 AM  | -0.6 | -0.9 | -0.5 | 7.1 | 0.0  |
| 9/11/2020 4:48 AM  | -0.6 | -1.0 | -0.5 | 7.2 | 0.0  |
| 9/11/2020 4:54 AM  | -0.7 | -1.0 | -0.5 | 7.0 | -0.1 |
| 9/11/2020 5:00 AM  | -0.7 | -1.0 | -0.5 | 7.0 | 0.0  |
| 9/11/2020 5:06 AM  | -0.6 | -1.0 | -0.5 | 6.9 | 0.0  |
| 9/11/2020 5:12 AM  | -0.6 | -1.0 | -0.5 | 6.9 | 0.0  |
| 9/11/2020 5:18 AM  | -0.6 | -1.0 | -0.5 | 7.0 | -0.1 |
| 9/11/2020 5:24 AM  | -0.6 | -1.0 | -0.5 | 7.0 | -0.1 |
| 9/11/2020 5:30 AM  | -0.6 | -1.0 | -0.5 | 7.0 | -0.1 |
| 9/11/2020 5:36 AM  | -0.7 | -1.0 | -0.5 | 6.8 | 0.0  |
| 9/11/2020 5:42 AM  | -0.7 | -1.0 | -0.5 | 6.8 | -0.1 |
| 9/11/2020 5:48 AM  | -0.7 | -1.0 | -0.5 | 6.8 | -0.1 |

|                    |      |      |      |     |      |
|--------------------|------|------|------|-----|------|
| 9/11/2020 5:54 AM  | -0.7 | -1.0 | -0.5 | 6.8 | 0.0  |
| 9/11/2020 6:00 AM  | -0.7 | -1.0 | -0.5 | 6.8 | -0.1 |
| 9/11/2020 6:06 AM  | -0.7 | -1.0 | -0.5 | 6.7 | -0.1 |
| 9/11/2020 6:12 AM  | -0.6 | -1.0 | -0.5 | 6.6 | -0.1 |
| 9/11/2020 6:18 AM  | -0.7 | -1.0 | -0.5 | 6.5 | -0.1 |
| 9/11/2020 6:24 AM  | -0.6 | -1.1 | -0.5 | 6.5 | -0.1 |
| 9/11/2020 6:30 AM  | -0.7 | -1.0 | -0.6 | 6.5 | -0.1 |
| 9/11/2020 6:36 AM  | -0.7 | -1.0 | -0.6 | 6.4 | -0.1 |
| 9/11/2020 6:42 AM  | -0.6 | -1.0 | -0.6 | 6.5 | -0.1 |
| 9/11/2020 6:48 AM  | -0.7 | -1.0 | -0.6 | 6.6 | -0.1 |
| 9/11/2020 6:54 AM  | -0.7 | -1.0 | -0.6 | 6.7 | -0.1 |
| 9/11/2020 7:00 AM  | -0.7 | -1.0 | -0.6 | 6.8 | -0.1 |
| 9/11/2020 7:06 AM  | -0.7 | -1.0 | -0.6 | 5.6 | 6.9  |
| 9/11/2020 7:12 AM  | -0.7 | -1.0 | -0.6 | 3.2 | 11.5 |
| 9/11/2020 7:18 AM  | -0.7 | -1.0 | -0.6 | 2.1 | 7.9  |
| 9/11/2020 7:24 AM  | -0.7 | -1.0 | -0.6 | 2.3 | 5.4  |
| 9/11/2020 7:30 AM  | -0.7 | -1.0 | -0.6 | 2.3 | 4.5  |
| 9/11/2020 7:36 AM  | -0.6 | -1.0 | -0.7 | 2.4 | 3.8  |
| 9/11/2020 7:42 AM  | -0.6 | -1.0 | -0.7 | 2.4 | 3.4  |
| 9/11/2020 7:48 AM  | -0.7 | -1.0 | -0.7 | 2.4 | 3.1  |
| 9/11/2020 7:54 AM  | -0.7 | -1.0 | -0.8 | 2.5 | 3.0  |
| 9/11/2020 8:00 AM  | -0.7 | -1.0 | -0.8 | 2.5 | 2.9  |
| 9/11/2020 8:06 AM  | -0.7 | -1.0 | -0.8 | 2.5 | 2.9  |
| 9/11/2020 8:12 AM  | -0.7 | -1.0 | -0.8 | 2.5 | 2.8  |
| 9/11/2020 8:18 AM  | -0.7 | -1.0 | -0.9 | 2.6 | 2.7  |
| 9/11/2020 8:24 AM  | -0.7 | -1.0 | -0.9 | 2.7 | 2.6  |
| 9/11/2020 8:30 AM  | -0.6 | -1.0 | -0.9 | 2.7 | 2.6  |
| 9/11/2020 8:36 AM  | -0.7 | -1.0 | -0.9 | 2.7 | 2.6  |
| 9/11/2020 8:42 AM  | -0.7 | -0.9 | -0.9 | 2.7 | 2.6  |
| 9/11/2020 8:48 AM  | -0.6 | -1.0 | -0.9 | 2.7 | 2.6  |
| 9/11/2020 8:54 AM  | -0.6 | -1.0 | -0.9 | 2.7 | 2.5  |
| 9/11/2020 9:00 AM  | -0.6 | -1.0 | -0.9 | 2.8 | 2.5  |
| 9/11/2020 9:06 AM  | -0.6 | -1.0 | -0.9 | 2.4 | 2.5  |
| 9/11/2020 9:12 AM  | -0.6 | -1.0 | -0.9 | 1.4 | 2.5  |
| 9/11/2020 9:18 AM  | -0.7 | -0.9 | -1.0 | 1.0 | 2.5  |
| 9/11/2020 9:24 AM  | -0.7 | -0.9 | -1.0 | 1.1 | 2.5  |
| 9/11/2020 9:30 AM  | -0.7 | -0.9 | -1.0 | 1.1 | 2.5  |
| 9/11/2020 9:36 AM  | -0.7 | -0.9 | -1.0 | 1.1 | 2.5  |
| 9/11/2020 9:42 AM  | -0.7 | -0.9 | -1.0 | 1.2 | 2.5  |
| 9/11/2020 9:48 AM  | -0.7 | -0.9 | -1.0 | 1.2 | 2.5  |
| 9/11/2020 9:54 AM  | -0.7 | -1.0 | -1.0 | 1.2 | 2.5  |
| 9/11/2020 10:00 AM | -0.7 | -0.9 | -1.0 | 1.2 | 2.5  |
| 9/11/2020 10:06 AM | -0.7 | -0.9 | -1.0 | 1.2 | 2.5  |
| 9/11/2020 10:12 AM | -0.7 | -0.9 | -0.9 | 1.2 | 2.5  |
| 9/11/2020 10:18 AM | -0.7 | -0.9 | -0.9 | 1.2 | 2.5  |
| 9/11/2020 10:24 AM | -0.7 | -0.9 | -0.9 | 1.9 | 5.2  |
| 9/11/2020 10:30 AM | -0.7 | -0.9 | -1.0 | 1.9 | 5.2  |
| 9/11/2020 10:36 AM | -0.7 | -0.9 | -1.0 | 1.3 | 11.2 |
| 9/11/2020 10:42 AM | -0.7 | -0.9 | -1.0 | 2.6 | 25.7 |
| 9/11/2020 10:48 AM | -0.7 | -0.9 | -1.0 | 2.6 | 20.5 |

|                    |       |       |       |       |       |
|--------------------|-------|-------|-------|-------|-------|
| 9/11/2020 10:54 AM | -0.7  | -0.9  | -1.0  | 0.7   | 8.2   |
| 9/11/2020 11:00 AM | 2.5   | -0.9  | -1.0  | -0.8  | 1.2   |
| 9/11/2020 11:06 AM | 3.7   | -1.0  | -1.0  | 3.4   | 2.9   |
| 9/11/2020 11:12 AM | 0.6   | -0.9  | -1.0  | 5.5   | 4.8   |
| 9/11/2020 11:18 AM | -0.4  | -0.9  | -1.0  | 2.6   | 3.2   |
| 9/11/2020 11:24 AM | -0.6  | -1.0  | -1.0  | 2.1   | 2.8   |
| 9/11/2020 11:30 AM | -0.6  | -1.0  | -1.0  | 1.9   | 2.7   |
| 9/11/2020 11:36 AM | -0.6  | -1.0  | -1.0  | 1.9   | 2.6   |
| 9/11/2020 11:42 AM | -0.6  | -1.0  | -1.0  | 1.5   | 2.6   |
| 9/11/2020 11:48 AM | 1.3   | -0.9  | -1.0  | 0.0   | 2.6   |
| 9/11/2020 11:54 AM | <Samp | <Samp | <Samp | <Samp | <Samp |
| 9/11/2020 12:00 PM | Calib | Calib | Calib | Calib | Calib |
| 9/11/2020 12:06 PM | 1.2   | -0.8  | -0.8  | 2.7   | 2.4   |
| 9/11/2020 12:12 PM | 0.9   | -0.8  | -0.8  | 4.8   | 2.4   |
| 9/11/2020 12:18 PM | 0.6   | -0.8  | -0.9  | 3.9   | 2.5   |
| 9/11/2020 12:24 PM | 1.1   | -0.8  | -0.9  | 2.0   | 2.5   |
| 9/11/2020 12:30 PM | 0.9   | -0.8  | -0.9  | 1.7   | 2.5   |
| 9/11/2020 12:36 PM | 0.1   | -0.8  | -0.8  | 1.6   | 2.5   |
| 9/11/2020 12:42 PM | 0.0   | -0.8  | -0.8  | 1.6   | 2.4   |
| 9/11/2020 12:48 PM | 0.0   | -0.8  | -0.8  | 1.5   | 2.3   |
| 9/11/2020 12:54 PM | 0.0   | -0.8  | -0.8  | 1.4   | 2.3   |
| 9/11/2020 1:00 PM  | 0.0   | -0.8  | -0.8  | 1.4   | 2.3   |
| 9/11/2020 1:06 PM  | 0.0   | -0.8  | -0.8  | 1.3   | 2.3   |
| 9/11/2020 1:12 PM  | 0.0   | -0.8  | -0.8  | 1.4   | 2.3   |
| 9/11/2020 1:18 PM  | 0.0   | -0.8  | -0.7  | 1.6   | 2.3   |
| 9/11/2020 1:24 PM  | 0.0   | -0.8  | -0.7  | 1.8   | 2.3   |
| 9/11/2020 1:30 PM  | 0.0   | -0.8  | -0.6  | 1.8   | 2.3   |
| 9/11/2020 1:36 PM  | 0.0   | -0.8  | -0.6  | 1.7   | 2.3   |
| 9/11/2020 1:42 PM  | 0.0   | -0.8  | -0.4  | 1.7   | 2.4   |
| 9/11/2020 1:48 PM  | 0.0   | -0.8  | -0.3  | 1.6   | 2.4   |
| 9/11/2020 1:54 PM  | 0.0   | -0.8  | -0.2  | 1.6   | 2.4   |
| 9/11/2020 2:00 PM  | 0.0   | -0.8  | -0.2  | 1.6   | 2.4   |
| 9/11/2020 2:06 PM  | 0.0   | -0.8  | -0.3  | 1.6   | 2.4   |
| 9/11/2020 2:12 PM  | 0.0   | -0.8  | -0.4  | 1.6   | 2.5   |
| 9/11/2020 2:18 PM  | 0.0   | -0.8  | -0.4  | 1.7   | 2.5   |
| 9/11/2020 2:24 PM  | 0.0   | -0.8  | -0.4  | 1.7   | 2.4   |
| 9/11/2020 2:30 PM  | 0.0   | -0.8  | -0.5  | 1.7   | 2.4   |
| 9/11/2020 2:36 PM  | 0.0   | -0.8  | -0.5  | 1.6   | 2.3   |
| 9/11/2020 2:42 PM  | 0.0   | -0.8  | -0.5  | 1.6   | 2.3   |
| 9/11/2020 2:48 PM  | 0.0   | -0.8  | -0.5  | 1.6   | 2.3   |
| 9/11/2020 2:54 PM  | 0.0   | -0.8  | -0.5  | 1.6   | 2.4   |
| 9/11/2020 3:00 PM  | 0.0   | -0.8  | -0.4  | 1.6   | 2.4   |
| 9/11/2020 3:06 PM  | 0.0   | -0.7  | -0.3  | 1.7   | 2.4   |
| 9/11/2020 3:12 PM  | 0.0   | -0.8  | -0.3  | 1.6   | 2.4   |
| 9/11/2020 3:18 PM  | 0.0   | -0.8  | -0.3  | 1.6   | 2.4   |
| 9/11/2020 3:24 PM  | 0.0   | -0.8  | -0.4  | 1.6   | 2.4   |
| 9/11/2020 3:30 PM  | 0.0   | -0.7  | -0.5  | 1.6   | 2.5   |
| 9/11/2020 3:36 PM  | 0.0   | -0.7  | -0.6  | 1.6   | 2.5   |
| 9/11/2020 3:42 PM  | 0.0   | -0.7  | -0.7  | 1.6   | 2.5   |
| 9/11/2020 3:48 PM  | 0.1   | -0.7  | -0.7  | 1.6   | 2.4   |

|                   |      |      |      |     |     |
|-------------------|------|------|------|-----|-----|
| 9/11/2020 3:54 PM | 0.0  | -0.7 | -0.8 | 1.6 | 2.4 |
| 9/11/2020 4:00 PM | 0.0  | -0.6 | -0.8 | 1.6 | 2.4 |
| 9/11/2020 4:06 PM | 0.0  | -0.6 | -0.8 | 1.6 | 2.4 |
| 9/11/2020 4:12 PM | 0.0  | -0.6 | -0.8 | 1.6 | 2.4 |
| 9/11/2020 4:18 PM | 0.0  | -0.6 | -0.8 | 1.6 | 2.4 |
| 9/11/2020 4:24 PM | 0.0  | -0.5 | -0.8 | 1.6 | 2.4 |
| 9/11/2020 4:30 PM | 0.0  | -0.5 | -0.8 | 1.6 | 2.4 |
| 9/11/2020 4:36 PM | 0.0  | -0.5 | -0.9 | 1.6 | 2.4 |
| 9/11/2020 4:42 PM | 0.0  | -0.5 | -0.9 | 1.6 | 2.4 |
| 9/11/2020 4:48 PM | 0.0  | -0.5 | -0.9 | 1.6 | 2.4 |
| 9/11/2020 4:54 PM | 0.0  | -0.5 | -0.9 | 1.5 | 2.5 |
| 9/11/2020 5:00 PM | -0.1 | -0.5 | -0.9 | 1.5 | 2.5 |
| 9/11/2020 5:06 PM | -0.1 | -0.5 | -0.9 | 1.5 | 2.4 |
| 9/11/2020 5:12 PM | -0.1 | -0.5 | -0.9 | 1.5 | 2.4 |
| 9/11/2020 5:18 PM | -0.1 | -0.5 | -0.9 | 1.5 | 2.4 |
| 9/11/2020 5:24 PM | -0.1 | -0.6 | -0.9 | 1.5 | 2.4 |
| 9/11/2020 5:30 PM | -0.1 | -0.5 | -0.9 | 1.5 | 2.3 |
| 9/11/2020 5:36 PM | -0.1 | -0.5 | -0.9 | 1.4 | 2.3 |
| 9/11/2020 5:42 PM | -0.1 | -0.4 | -0.9 | 1.2 | 2.2 |
| 9/11/2020 5:48 PM | -0.1 | -0.4 | -0.9 | 1.2 | 2.1 |
| 9/11/2020 5:54 PM | -0.1 | -0.5 | -0.9 | 1.2 | 2.2 |
| 9/11/2020 6:00 PM | -0.1 | -0.5 | -0.8 | 1.2 | 2.2 |
| 9/11/2020 6:06 PM | -0.1 | -0.6 | -0.8 | 1.2 | 2.2 |
| 9/11/2020 6:12 PM | -0.1 | -0.6 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 6:18 PM | -0.1 | -0.6 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 6:24 PM | -0.1 | -0.7 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 6:30 PM | -0.1 | -0.7 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 6:36 PM | -0.1 | -0.7 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 6:42 PM | -0.1 | -0.7 | -0.8 | 1.2 | 2.2 |
| 9/11/2020 6:48 PM | -0.1 | -0.7 | -0.8 | 1.3 | 2.3 |
| 9/11/2020 6:54 PM | -0.1 | -0.7 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 7:00 PM | -0.1 | -0.7 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 7:06 PM | -0.1 | -0.7 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 7:12 PM | -0.1 | -0.7 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 7:18 PM | -0.1 | -0.7 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 7:24 PM | -0.1 | -0.7 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 7:30 PM | -0.1 | -0.7 | -0.8 | 1.3 | 2.3 |
| 9/11/2020 7:36 PM | -0.1 | -0.6 | -0.8 | 1.2 | 2.3 |
| 9/11/2020 7:42 PM | -0.1 | -0.6 | -0.8 | 1.3 | 2.3 |
| 9/11/2020 7:48 PM | -0.2 | -0.6 | -0.8 | 1.3 | 2.3 |
| 9/11/2020 7:54 PM | -0.2 | -0.6 | -0.9 | 1.3 | 2.4 |
| 9/11/2020 8:00 PM | -0.2 | -0.6 | -0.9 | 1.3 | 2.4 |
| 9/11/2020 8:06 PM | -0.2 | -0.6 | -0.9 | 1.3 | 2.4 |
| 9/11/2020 8:12 PM | -0.2 | -0.5 | -0.9 | 1.3 | 2.3 |
| 9/11/2020 8:18 PM | -0.2 | -0.5 | -0.9 | 1.3 | 2.3 |
| 9/11/2020 8:24 PM | -0.2 | -0.5 | -0.9 | 1.3 | 2.3 |
| 9/11/2020 8:30 PM | -0.2 | -0.5 | -0.9 | 1.3 | 2.3 |
| 9/11/2020 8:36 PM | -0.2 | -0.4 | -0.9 | 1.3 | 2.3 |
| 9/11/2020 8:42 PM | -0.2 | -0.4 | -0.9 | 1.3 | 2.3 |
| 9/11/2020 8:48 PM | -0.2 | -0.4 | -1.0 | 1.2 | 2.3 |

|                    |      |      |      |     |      |
|--------------------|------|------|------|-----|------|
| 9/11/2020 8:54 PM  | -0.2 | -0.4 | -1.0 | 1.2 | 2.4  |
| 9/11/2020 9:00 PM  | -0.2 | -0.4 | -1.0 | 1.2 | 2.4  |
| 9/11/2020 9:06 PM  | -0.2 | -0.4 | -1.0 | 1.2 | 2.4  |
| 9/11/2020 9:12 PM  | -0.2 | -0.4 | -1.0 | 1.2 | 2.4  |
| 9/11/2020 9:18 PM  | -0.2 | -0.4 | -1.0 | 1.2 | 2.4  |
| 9/11/2020 9:24 PM  | -0.2 | -0.4 | -0.9 | 1.2 | 2.4  |
| 9/11/2020 9:30 PM  | -0.2 | -0.4 | -0.9 | 1.2 | 2.3  |
| 9/11/2020 9:36 PM  | -0.2 | -0.4 | -0.9 | 1.2 | 2.3  |
| 9/11/2020 9:42 PM  | -0.2 | -0.4 | -0.9 | 1.2 | 2.3  |
| 9/11/2020 9:48 PM  | -0.2 | -0.4 | -0.9 | 1.2 | 2.2  |
| 9/11/2020 9:54 PM  | -0.2 | -0.4 | -0.9 | 1.2 | 2.2  |
| 9/11/2020 10:00 PM | -0.2 | -0.4 | -0.9 | 1.2 | 2.3  |
| 9/11/2020 10:06 PM | -0.2 | -0.4 | -0.9 | 1.2 | 2.3  |
| 9/11/2020 10:12 PM | -0.2 | -0.4 | -0.9 | 1.2 | 2.3  |
| 9/11/2020 10:18 PM | -0.2 | -0.3 | -0.9 | 1.2 | 2.3  |
| 9/11/2020 10:24 PM | -0.2 | -0.3 | -0.9 | 1.2 | 2.3  |
| 9/11/2020 10:30 PM | -0.2 | -0.3 | -0.9 | 1.2 | 2.2  |
| 9/11/2020 10:36 PM | -0.2 | -0.3 | -0.9 | 1.2 | 2.2  |
| 9/11/2020 10:42 PM | -0.2 | -0.3 | -0.9 | 1.2 | 2.2  |
| 9/11/2020 10:48 PM | -0.2 | -0.3 | -0.9 | 1.2 | 2.1  |
| 9/11/2020 10:54 PM | -0.2 | -0.2 | -0.9 | 1.2 | 2.1  |
| 9/11/2020 11:00 PM | -0.2 | -0.2 | -1.0 | 1.2 | 2.1  |
| 9/11/2020 11:06 PM | -0.2 | -0.1 | -1.0 | 1.2 | 2.2  |
| 9/11/2020 11:12 PM | -0.2 | -0.1 | -1.0 | 1.2 | 2.2  |
| 9/11/2020 11:18 PM | -0.2 | -0.1 | -1.0 | 1.2 | 2.2  |
| 9/11/2020 11:24 PM | -0.2 | -0.1 | -1.0 | 1.2 | 2.3  |
| 9/11/2020 11:30 PM | -0.2 | -0.1 | -1.0 | 1.2 | 2.2  |
| 9/11/2020 11:36 PM | -0.2 | -0.1 | -1.0 | 1.2 | 2.2  |
| 9/11/2020 11:42 PM | -0.2 | -0.1 | -1.0 | 1.2 | 2.2  |
| 9/11/2020 11:48 PM | -0.2 | 0.0  | -1.0 | 2.1 | 1.6  |
| 9/11/2020 11:54 PM | -0.2 | -0.1 | -1.0 | 3.1 | 0.4  |
| 9/12/2020 12:00 AM | -0.2 | -0.1 | -1.0 | 2.9 | -0.1 |
| 9/12/2020 12:06 AM | -0.2 | -0.1 | -1.0 | 2.8 | -0.1 |
| 9/12/2020 12:12 AM | -0.2 | -0.1 | -1.0 | 2.7 | 0.0  |
| 9/12/2020 12:18 AM | -0.2 | -0.1 | -1.0 | 2.6 | 0.0  |
| 9/12/2020 12:24 AM | -0.2 | -0.1 | -1.0 | 2.5 | 0.0  |
| 9/12/2020 12:30 AM | -0.2 | 0.0  | -0.9 | 2.4 | 0.0  |
| 9/12/2020 12:36 AM | -0.2 | 0.0  | -1.0 | 2.4 | -0.1 |
| 9/12/2020 12:42 AM | -0.2 | 0.1  | -1.0 | 2.4 | -0.1 |
| 9/12/2020 12:48 AM | -0.2 | 0.1  | -1.0 | 2.4 | -0.1 |
| 9/12/2020 12:54 AM | -0.2 | 0.0  | -1.0 | 2.3 | -0.1 |
| 9/12/2020 1:00 AM  | -0.2 | 0.0  | -1.0 | 2.3 | 0.0  |
| 9/12/2020 1:06 AM  | -0.2 | 0.0  | -1.0 | 2.3 | -0.1 |
| 9/12/2020 1:12 AM  | -0.2 | 0.0  | -1.0 | 2.3 | -0.1 |
| 9/12/2020 1:18 AM  | -0.2 | 0.0  | -1.0 | 2.3 | -0.1 |
| 9/12/2020 1:24 AM  | -0.2 | 0.1  | -1.0 | 2.3 | -0.1 |
| 9/12/2020 1:30 AM  | -0.2 | 0.1  | -1.0 | 3.4 | -0.1 |
| 9/12/2020 1:36 AM  | -0.2 | 0.1  | -1.0 | 3.9 | 0.0  |
| 9/12/2020 1:42 AM  | -0.2 | 0.1  | -1.0 | 3.8 | -0.1 |
| 9/12/2020 1:48 AM  | -0.2 | 0.2  | -1.0 | 3.7 | -0.1 |

|                   |      |     |      |     |      |
|-------------------|------|-----|------|-----|------|
| 9/12/2020 1:54 AM | -0.2 | 0.2 | -1.0 | 3.6 | -0.1 |
| 9/12/2020 2:00 AM | -0.2 | 0.2 | -1.0 | 3.6 | -0.1 |
| 9/12/2020 2:06 AM | -0.2 | 0.2 | -1.0 | 3.7 | -0.1 |
| 9/12/2020 2:12 AM | -0.2 | 0.2 | -1.0 | 3.7 | -0.1 |
| 9/12/2020 2:18 AM | -0.2 | 0.2 | -1.0 | 3.7 | -0.1 |
| 9/12/2020 2:24 AM | -0.2 | 0.3 | -1.0 | 3.5 | -0.1 |
| 9/12/2020 2:30 AM | -0.2 | 0.3 | -1.0 | 3.4 | -0.1 |
| 9/12/2020 2:36 AM | -0.2 | 0.3 | -1.0 | 3.5 | -0.1 |
| 9/12/2020 2:42 AM | -0.2 | 0.3 | -1.0 | 3.6 | -0.1 |
| 9/12/2020 2:48 AM | -0.2 | 0.3 | -1.0 | 3.7 | -0.1 |
| 9/12/2020 2:54 AM | -0.2 | 0.3 | -1.0 | 3.7 | -0.1 |
| 9/12/2020 3:00 AM | -0.3 | 0.3 | -1.0 | 3.6 | -0.1 |
| 9/12/2020 3:06 AM | -0.2 | 0.3 | -1.0 | 3.6 | -0.1 |
| 9/12/2020 3:12 AM | -0.2 | 0.3 | -1.0 | 3.4 | -0.1 |
| 9/12/2020 3:18 AM | -0.2 | 0.4 | -1.0 | 3.3 | -0.1 |
| 9/12/2020 3:24 AM | -0.2 | 0.4 | -1.0 | 3.3 | -0.1 |
| 9/12/2020 3:30 AM | -0.2 | 0.4 | -1.0 | 3.3 | -0.1 |
| 9/12/2020 3:36 AM | -0.3 | 0.4 | -1.0 | 3.2 | -0.1 |
| 9/12/2020 3:42 AM | -0.3 | 0.4 | -1.0 | 3.2 | -0.1 |
| 9/12/2020 3:48 AM | -0.3 | 0.4 | -1.0 | 3.2 | -0.1 |
| 9/12/2020 3:54 AM | -0.3 | 0.4 | -1.0 | 3.2 | -0.1 |
| 9/12/2020 4:00 AM | -0.3 | 0.4 | -1.0 | 3.1 | -0.1 |
| 9/12/2020 4:06 AM | -0.2 | 0.4 | -1.0 | 3.2 | -0.1 |
| 9/12/2020 4:12 AM | -0.3 | 0.4 | -1.0 | 3.3 | -0.1 |
| 9/12/2020 4:18 AM | -0.3 | 0.5 | -1.0 | 3.3 | -0.1 |
| 9/12/2020 4:24 AM | -0.3 | 0.5 | -1.0 | 3.3 | -0.1 |
| 9/12/2020 4:30 AM | -0.3 | 0.5 | -1.0 | 3.2 | -0.1 |
| 9/12/2020 4:36 AM | -0.3 | 0.5 | -1.0 | 3.2 | -0.1 |
| 9/12/2020 4:42 AM | -0.3 | 0.5 | -1.0 | 3.3 | -0.1 |
| 9/12/2020 4:48 AM | -0.3 | 0.6 | -1.0 | 4.4 | -0.1 |
| 9/12/2020 4:54 AM | -0.3 | 0.6 | -1.0 | 5.5 | -0.1 |
| 9/12/2020 5:00 AM | -0.3 | 0.6 | -1.0 | 5.4 | -0.1 |
| 9/12/2020 5:06 AM | -0.3 | 0.6 | -1.0 | 5.3 | -0.1 |
| 9/12/2020 5:12 AM | -0.3 | 0.6 | -1.0 | 5.2 | -0.1 |
| 9/12/2020 5:18 AM | -0.3 | 0.6 | -1.0 | 4.9 | -0.1 |
| 9/12/2020 5:24 AM | -0.3 | 0.6 | -1.0 | 4.7 | -0.1 |
| 9/12/2020 5:30 AM | -0.3 | 0.6 | -1.0 | 4.7 | -0.1 |
| 9/12/2020 5:36 AM | -0.3 | 0.6 | -1.0 | 4.6 | -0.1 |
| 9/12/2020 5:42 AM | -0.3 | 0.6 | -1.0 | 4.7 | -0.1 |
| 9/12/2020 5:48 AM | -0.3 | 0.7 | -1.0 | 4.6 | -0.1 |
| 9/12/2020 5:54 AM | -0.3 | 0.7 | -1.0 | 4.7 | -0.1 |
| 9/12/2020 6:00 AM | -0.3 | 0.7 | -1.0 | 4.7 | -0.1 |
| 9/12/2020 6:06 AM | -0.3 | 0.7 | -1.0 | 4.6 | -0.1 |
| 9/12/2020 6:12 AM | -0.3 | 0.7 | -1.1 | 4.5 | -0.1 |
| 9/12/2020 6:18 AM | -0.3 | 0.7 | -1.1 | 4.4 | -0.1 |
| 9/12/2020 6:24 AM | -0.3 | 0.7 | -1.1 | 4.5 | -0.1 |
| 9/12/2020 6:30 AM | -0.3 | 0.8 | -1.1 | 4.5 | -0.1 |
| 9/12/2020 6:36 AM | -0.3 | 0.9 | -1.1 | 4.6 | -0.1 |
| 9/12/2020 6:42 AM | -0.3 | 1.0 | -1.2 | 4.6 | -0.1 |
| 9/12/2020 6:48 AM | -0.3 | 1.1 | -1.2 | 4.6 | -0.1 |

|                    |      |     |      |     |      |
|--------------------|------|-----|------|-----|------|
| 9/12/2020 6:54 AM  | -0.3 | 1.2 | -1.3 | 4.6 | -0.1 |
| 9/12/2020 7:00 AM  | -0.3 | 1.2 | -1.3 | 4.5 | -0.1 |
| 9/12/2020 7:06 AM  | -0.3 | 1.2 | -1.3 | 4.6 | -0.1 |
| 9/12/2020 7:12 AM  | -0.3 | 1.1 | -1.3 | 4.5 | -0.1 |
| 9/12/2020 7:18 AM  | -0.3 | 1.1 | -1.2 | 4.6 | -0.1 |
| 9/12/2020 7:24 AM  | -0.3 | 0.9 | -1.2 | 5.0 | -0.1 |
| 9/12/2020 7:30 AM  | -0.3 | 0.7 | -1.1 | 5.2 | -0.1 |
| 9/12/2020 7:36 AM  | -0.2 | 0.4 | -1.0 | 5.1 | -0.1 |
| 9/12/2020 7:42 AM  | -0.2 | 0.2 | -0.9 | 5.2 | -0.1 |
| 9/12/2020 7:48 AM  | -0.3 | 0.1 | -0.9 | 5.4 | -0.1 |
| 9/12/2020 7:54 AM  | -0.3 | 0.1 | -0.9 | 5.5 | -0.1 |
| 9/12/2020 8:00 AM  | -0.3 | 0.2 | -0.8 | 5.4 | -0.1 |
| 9/12/2020 8:06 AM  | -0.3 | 0.1 | -0.8 | 5.4 | -0.1 |
| 9/12/2020 8:12 AM  | -0.3 | 0.1 | -0.8 | 5.3 | -0.1 |
| 9/12/2020 8:18 AM  | -0.3 | 0.2 | -0.8 | 5.3 | -0.1 |
| 9/12/2020 8:24 AM  | -0.3 | 0.2 | -0.8 | 7.4 | -0.1 |
| 9/12/2020 8:30 AM  | -0.3 | 0.2 | -0.8 | 8.0 | -0.1 |
| 9/12/2020 8:36 AM  | -0.3 | 0.2 | -0.8 | 7.5 | -0.1 |
| 9/12/2020 8:42 AM  | -0.3 | 0.2 | -0.8 | 7.4 | -0.1 |
| 9/12/2020 8:48 AM  | -0.2 | 0.3 | -0.8 | 7.4 | -0.1 |
| 9/12/2020 8:54 AM  | -0.2 | 0.3 | -0.8 | 7.5 | -0.1 |
| 9/12/2020 9:00 AM  | -0.2 | 0.3 | -0.8 | 7.5 | -0.1 |
| 9/12/2020 9:06 AM  | -0.2 | 0.4 | -0.8 | 7.6 | -0.1 |
| 9/12/2020 9:12 AM  | -0.2 | 0.4 | -0.8 | 7.5 | -0.1 |
| 9/12/2020 9:18 AM  | -0.2 | 0.4 | -0.7 | 7.5 | -0.1 |
| 9/12/2020 9:24 AM  | -0.2 | 0.3 | -0.7 | 7.6 | -0.1 |
| 9/12/2020 9:30 AM  | -0.2 | 0.3 | -0.7 | 7.6 | -0.1 |
| 9/12/2020 9:36 AM  | -0.2 | 0.3 | -0.7 | 7.7 | -0.1 |
| 9/12/2020 9:42 AM  | -0.2 | 0.4 | -0.7 | 7.6 | -0.1 |
| 9/12/2020 9:48 AM  | -0.2 | 0.5 | -0.7 | 7.6 | -0.1 |
| 9/12/2020 9:54 AM  | -0.2 | 0.5 | -0.7 | 7.9 | -0.1 |
| 9/12/2020 10:00 AM | -0.2 | 0.6 | -0.7 | 7.9 | -0.1 |
| 9/12/2020 10:06 AM | -0.2 | 0.6 | -0.7 | 7.9 | -0.1 |
| 9/12/2020 10:12 AM | -0.2 | 0.6 | -0.6 | 8.0 | -0.1 |
| 9/12/2020 10:18 AM | -0.2 | 0.7 | -0.6 | 7.9 | -0.1 |
| 9/12/2020 10:24 AM | -0.2 | 0.7 | -0.6 | 7.8 | -0.1 |
| 9/12/2020 10:30 AM | -0.2 | 0.7 | -0.6 | 8.0 | 1.4  |
| 9/12/2020 10:36 AM | -0.2 | 0.7 | -0.7 | 8.0 | 1.9  |
| 9/12/2020 10:42 AM | -0.2 | 0.7 | -0.7 | 8.0 | 0.2  |
| 9/12/2020 10:48 AM | -0.2 | 0.7 | -0.7 | 7.9 | -0.1 |
| 9/12/2020 10:54 AM | -0.2 | 0.7 | -0.7 | 7.7 | -0.1 |
| 9/12/2020 11:00 AM | -0.2 | 0.8 | -0.7 | 7.6 | 3.0  |
| 9/12/2020 11:06 AM | -0.2 | 0.7 | -0.6 | 4.0 | 9.8  |
| 9/12/2020 11:12 AM | -0.2 | 0.7 | -0.6 | 1.5 | 8.7  |
| 9/12/2020 11:18 AM | -0.2 | 0.5 | -0.6 | 1.7 | 5.8  |
| 9/12/2020 11:24 AM | -0.1 | 0.3 | -0.6 | 1.8 | 5.2  |
| 9/12/2020 11:30 AM | -0.1 | 0.2 | -0.5 | 1.8 | 5.3  |
| 9/12/2020 11:36 AM | -0.1 | 0.1 | -0.5 | 1.8 | 5.5  |
| 9/12/2020 11:42 AM | -0.1 | 0.1 | -0.4 | 1.8 | 5.1  |
| 9/12/2020 11:48 AM | -0.1 | 0.1 | -0.3 | 1.8 | 4.4  |



|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 9/12/2020 11:54 AM | -0.1 | 0.2  | -0.2 | 1.9 | 3.8 |
| 9/12/2020 12:00 PM | 0.0  | 0.2  | 0.0  | 1.9 | 3.5 |
| 9/12/2020 12:06 PM | 0.4  | 0.1  | 0.2  | 1.9 | 3.1 |
| 9/12/2020 12:12 PM | 0.5  | 0.0  | 0.2  | 1.9 | 2.9 |
| 9/12/2020 12:18 PM | 0.5  | -0.1 | 0.2  | 1.9 | 2.4 |
| 9/12/2020 12:24 PM | 0.5  | -0.1 | 0.1  | 2.0 | 2.3 |
| 9/12/2020 12:30 PM | 0.5  | -0.1 | 0.1  | 2.1 | 2.3 |
| 9/12/2020 12:36 PM | 0.5  | -0.1 | 0.0  | 2.1 | 2.3 |
| 9/12/2020 12:42 PM | 0.5  | 0.0  | -0.1 | 2.1 | 2.3 |
| 9/12/2020 12:48 PM | 0.5  | 0.2  | -0.2 | 2.2 | 2.3 |
| 9/12/2020 12:54 PM | 0.5  | 0.3  | -0.3 | 2.2 | 2.4 |
| 9/12/2020 1:00 PM  | 0.5  | 0.4  | -0.3 | 2.0 | 2.3 |
| 9/12/2020 1:06 PM  | 0.5  | 0.5  | -0.4 | 1.4 | 2.3 |
| 9/12/2020 1:12 PM  | 0.5  | 0.6  | -0.4 | 1.2 | 2.3 |
| 9/12/2020 1:18 PM  | 0.5  | 0.6  | -0.4 | 1.2 | 2.2 |
| 9/12/2020 1:24 PM  | 0.5  | 0.4  | -0.2 | 1.2 | 2.3 |
| 9/12/2020 1:30 PM  | 0.4  | 0.3  | -0.1 | 1.2 | 2.3 |
| 9/12/2020 1:36 PM  | 0.4  | 0.1  | -0.1 | 1.2 | 2.3 |
| 9/12/2020 1:42 PM  | 0.4  | 0.1  | -0.1 | 1.2 | 2.3 |
| 9/12/2020 1:48 PM  | 0.4  | 0.0  | 0.0  | 1.3 | 2.3 |
| 9/12/2020 1:54 PM  | 0.4  | -0.1 | 0.1  | 1.3 | 2.3 |
| 9/12/2020 2:00 PM  | 0.4  | 0.0  | 0.0  | 1.3 | 2.3 |
| 9/12/2020 2:06 PM  | 0.4  | 0.1  | -0.2 | 1.2 | 2.3 |
| 9/12/2020 2:12 PM  | 0.4  | 0.2  | -0.3 | 1.2 | 2.3 |
| 9/12/2020 2:18 PM  | 0.5  | 0.5  | -0.4 | 1.2 | 2.3 |
| 9/12/2020 2:24 PM  | 0.5  | 0.7  | -0.5 | 1.2 | 2.3 |
| 9/12/2020 2:30 PM  | 0.5  | 0.9  | -0.5 | 1.2 | 2.3 |
| 9/12/2020 2:36 PM  | 0.5  | 1.1  | -0.6 | 1.2 | 2.3 |
| 9/12/2020 2:42 PM  | 0.5  | 1.2  | -0.7 | 1.2 | 2.3 |
| 9/12/2020 2:48 PM  | 0.4  | 1.2  | -0.7 | 1.2 | 2.3 |
| 9/12/2020 2:54 PM  | 0.4  | 1.3  | -0.7 | 1.3 | 2.3 |
| 9/12/2020 3:00 PM  | 0.4  | 1.2  | -0.6 | 1.4 | 2.3 |
| 9/12/2020 3:06 PM  | 0.4  | 1.1  | -0.5 | 1.3 | 2.3 |
| 9/12/2020 3:12 PM  | 0.4  | 1.0  | -0.5 | 1.3 | 2.2 |
| 9/12/2020 3:18 PM  | 0.4  | 1.0  | -0.6 | 1.3 | 2.3 |
| 9/12/2020 3:24 PM  | 0.4  | 1.0  | -0.7 | 1.2 | 2.3 |
| 9/12/2020 3:30 PM  | 0.4  | 1.2  | -0.7 | 1.3 | 2.2 |
| 9/12/2020 3:36 PM  | 0.4  | 1.3  | -0.8 | 1.3 | 2.3 |
| 9/12/2020 3:42 PM  | 0.4  | 1.4  | -0.8 | 1.3 | 2.2 |
| 9/12/2020 3:48 PM  | 0.4  | 1.5  | -0.8 | 1.4 | 2.1 |
| 9/12/2020 3:54 PM  | 0.4  | 1.6  | -0.9 | 1.4 | 2.1 |
| 9/12/2020 4:00 PM  | 0.4  | 1.8  | -0.9 | 1.4 | 2.1 |
| 9/12/2020 4:06 PM  | 0.4  | 2.0  | -0.9 | 1.4 | 2.2 |
| 9/12/2020 4:12 PM  | 0.4  | 2.1  | -0.8 | 1.3 | 2.1 |
| 9/12/2020 4:18 PM  | 0.4  | 2.1  | -0.8 | 1.3 | 2.1 |
| 9/12/2020 4:24 PM  | 0.4  | 2.1  | -0.9 | 1.4 | 2.2 |
| 9/12/2020 4:30 PM  | 0.4  | 2.1  | -0.9 | 1.4 | 2.2 |
| 9/12/2020 4:36 PM  | 0.4  | 2.1  | -0.9 | 1.5 | 2.2 |
| 9/12/2020 4:42 PM  | 0.4  | 2.2  | -0.9 | 1.4 | 2.2 |
| 9/12/2020 4:48 PM  | 0.4  | 2.2  | -0.9 | 1.5 | 2.2 |

|                   |     |     |      |     |     |
|-------------------|-----|-----|------|-----|-----|
| 9/12/2020 4:54 PM | 0.4 | 2.3 | -0.9 | 1.4 | 2.2 |
| 9/12/2020 5:00 PM | 0.4 | 2.3 | -0.9 | 1.5 | 2.2 |
| 9/12/2020 5:06 PM | 0.3 | 2.2 | -0.9 | 1.4 | 2.2 |
| 9/12/2020 5:12 PM | 0.4 | 2.2 | -0.9 | 1.4 | 2.2 |
| 9/12/2020 5:18 PM | 0.3 | 2.1 | -0.9 | 1.5 | 2.2 |
| 9/12/2020 5:24 PM | 0.3 | 2.2 | -0.9 | 1.5 | 2.2 |
| 9/12/2020 5:30 PM | 0.3 | 2.2 | -0.9 | 1.4 | 2.2 |
| 9/12/2020 5:36 PM | 0.3 | 2.3 | -0.9 | 1.5 | 2.3 |
| 9/12/2020 5:42 PM | 0.3 | 2.3 | -0.9 | 1.6 | 2.2 |
| 9/12/2020 5:48 PM | 0.3 | 2.2 | -0.9 | 1.5 | 2.2 |
| 9/12/2020 5:54 PM | 0.3 | 2.2 | -0.9 | 1.5 | 2.3 |
| 9/12/2020 6:00 PM | 0.3 | 2.2 | -0.9 | 1.5 | 2.3 |
| 9/12/2020 6:06 PM | 0.3 | 2.2 | -0.9 | 1.4 | 2.2 |
| 9/12/2020 6:12 PM | 0.3 | 2.2 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 6:18 PM | 0.3 | 2.1 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 6:24 PM | 0.3 | 2.1 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 6:30 PM | 0.3 | 2.1 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 6:36 PM | 0.3 | 2.0 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 6:42 PM | 0.3 | 2.0 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 6:48 PM | 0.3 | 2.0 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 6:54 PM | 0.3 | 2.0 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 7:00 PM | 0.3 | 1.9 | -0.8 | 1.5 | 2.2 |
| 9/12/2020 7:06 PM | 0.3 | 1.9 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 7:12 PM | 0.3 | 2.0 | -0.8 | 1.3 | 2.2 |
| 9/12/2020 7:18 PM | 0.3 | 2.0 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 7:24 PM | 0.2 | 2.0 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 7:30 PM | 0.2 | 2.0 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 7:36 PM | 0.3 | 2.0 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 7:42 PM | 0.3 | 1.9 | -0.8 | 1.5 | 2.3 |
| 9/12/2020 7:48 PM | 0.3 | 1.9 | -0.8 | 1.5 | 2.3 |
| 9/12/2020 7:54 PM | 0.2 | 1.9 | -0.8 | 1.5 | 2.3 |
| 9/12/2020 8:00 PM | 0.3 | 1.9 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 8:06 PM | 0.3 | 1.9 | -0.8 | 1.4 | 2.3 |
| 9/12/2020 8:12 PM | 0.3 | 1.9 | -0.8 | 1.5 | 2.3 |
| 9/12/2020 8:18 PM | 0.2 | 1.9 | -0.8 | 1.5 | 2.2 |
| 9/12/2020 8:24 PM | 0.2 | 1.9 | -0.8 | 1.5 | 2.2 |
| 9/12/2020 8:30 PM | 0.2 | 1.9 | -0.8 | 1.4 | 2.1 |
| 9/12/2020 8:36 PM | 0.3 | 1.9 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 8:42 PM | 0.2 | 1.9 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 8:48 PM | 0.2 | 1.9 | -0.8 | 1.3 | 2.2 |
| 9/12/2020 8:54 PM | 0.2 | 1.9 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 9:00 PM | 0.2 | 1.9 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 9:06 PM | 0.2 | 1.9 | -0.8 | 1.3 | 2.2 |
| 9/12/2020 9:12 PM | 0.2 | 1.9 | -0.8 | 1.3 | 2.2 |
| 9/12/2020 9:18 PM | 0.2 | 1.8 | -0.8 | 1.3 | 2.2 |
| 9/12/2020 9:24 PM | 0.2 | 1.8 | -0.8 | 1.4 | 2.3 |
| 9/12/2020 9:30 PM | 0.2 | 1.8 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 9:36 PM | 0.2 | 1.8 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 9:42 PM | 0.2 | 1.8 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 9:48 PM | 0.2 | 1.8 | -0.8 | 1.4 | 2.2 |

|                    |     |     |      |     |     |
|--------------------|-----|-----|------|-----|-----|
| 9/12/2020 9:54 PM  | 0.2 | 1.8 | -0.8 | 1.4 | 2.2 |
| 9/12/2020 10:00 PM | 0.2 | 1.8 | -0.8 | 1.3 | 2.2 |
| 9/12/2020 10:06 PM | 0.3 | 1.8 | -0.8 | 1.3 | 2.2 |
| 9/12/2020 10:12 PM | 0.2 | 1.8 | -0.8 | 1.2 | 2.2 |
| 9/12/2020 10:18 PM | 0.2 | 1.8 | -0.8 | 1.2 | 2.2 |
| 9/12/2020 10:24 PM | 0.2 | 1.8 | -0.8 | 1.2 | 2.3 |
| 9/12/2020 10:30 PM | 0.3 | 1.8 | -0.8 | 1.3 | 2.3 |
| 9/12/2020 10:36 PM | 0.3 | 1.8 | -0.8 | 1.3 | 2.3 |
| 9/12/2020 10:42 PM | 0.2 | 1.8 | -0.8 | 1.3 | 2.3 |
| 9/12/2020 10:48 PM | 0.2 | 1.8 | -0.8 | 1.3 | 2.3 |
| 9/12/2020 10:54 PM | 0.3 | 1.8 | -0.8 | 1.3 | 2.3 |
| 9/12/2020 11:00 PM | 0.3 | 1.8 | -0.8 | 1.3 | 2.3 |
| 9/12/2020 11:06 PM | 0.3 | 1.9 | -0.8 | 1.4 | 2.3 |
| 9/12/2020 11:12 PM | 0.2 | 1.8 | -0.8 | 1.4 | 2.3 |
| 9/12/2020 11:18 PM | 0.2 | 1.8 | -0.8 | 1.2 | 2.3 |
| 9/12/2020 11:24 PM | 0.2 | 1.8 | -0.8 | 3.0 | 2.0 |
| 9/12/2020 11:30 PM | 0.2 | 1.8 | -0.8 | 5.5 | 0.7 |
| 9/12/2020 11:36 PM | 0.2 | 1.8 | -0.8 | 5.4 | 0.0 |
| 9/12/2020 11:42 PM | 0.3 | 1.8 | -0.8 | 5.0 | 0.0 |
| 9/12/2020 11:48 PM | 0.2 | 1.8 | -0.8 | 5.2 | 0.0 |
| 9/12/2020 11:54 PM | 0.2 | 1.8 | -0.8 | 5.3 | 0.0 |
| 9/13/2020 12:00 AM | 0.2 | 1.8 | -0.8 | 5.5 | 0.0 |
| 9/13/2020 12:06 AM | 0.3 | 1.8 | -0.8 | 5.5 | 0.0 |
| 9/13/2020 12:12 AM | 0.3 | 1.7 | -0.8 | 5.6 | 0.0 |
| 9/13/2020 12:18 AM | 0.3 | 1.7 | -0.8 | 5.7 | 0.0 |
| 9/13/2020 12:24 AM | 0.2 | 1.7 | -0.8 | 5.6 | 0.0 |
| 9/13/2020 12:30 AM | 0.3 | 1.7 | -0.8 | 5.7 | 0.0 |
| 9/13/2020 12:36 AM | 0.3 | 1.7 | -0.8 | 5.6 | 0.0 |
| 9/13/2020 12:42 AM | 0.3 | 1.7 | -0.8 | 5.6 | 0.0 |
| 9/13/2020 12:48 AM | 0.3 | 1.7 | -0.8 | 5.6 | 0.0 |
| 9/13/2020 12:54 AM | 0.3 | 1.7 | -0.8 | 5.7 | 0.1 |
| 9/13/2020 1:00 AM  | 0.3 | 1.7 | -0.8 | 5.8 | 0.0 |
| 9/13/2020 1:06 AM  | 0.3 | 1.7 | -0.8 | 5.7 | 0.0 |
| 9/13/2020 1:12 AM  | 0.3 | 1.7 | -0.8 | 5.0 | 0.0 |
| 9/13/2020 1:18 AM  | 0.3 | 1.7 | -0.8 | 2.9 | 0.0 |
| 9/13/2020 1:24 AM  | 0.3 | 1.7 | -0.8 | 2.5 | 0.0 |
| 9/13/2020 1:30 AM  | 0.3 | 1.7 | -0.8 | 2.5 | 0.0 |
| 9/13/2020 1:36 AM  | 0.3 | 1.7 | -0.8 | 2.6 | 0.0 |
| 9/13/2020 1:42 AM  | 0.3 | 1.7 | -0.8 | 2.6 | 0.0 |
| 9/13/2020 1:48 AM  | 0.3 | 1.7 | -0.8 | 2.7 | 0.0 |
| 9/13/2020 1:54 AM  | 0.3 | 1.7 | -0.8 | 2.7 | 0.0 |
| 9/13/2020 2:00 AM  | 0.3 | 1.8 | -0.9 | 2.7 | 0.0 |
| 9/13/2020 2:06 AM  | 0.3 | 1.8 | -0.9 | 2.7 | 0.0 |
| 9/13/2020 2:12 AM  | 0.3 | 1.7 | -0.9 | 2.6 | 0.0 |
| 9/13/2020 2:18 AM  | 0.3 | 1.8 | -0.9 | 2.7 | 0.0 |
| 9/13/2020 2:24 AM  | 0.3 | 1.8 | -0.9 | 2.9 | 0.0 |
| 9/13/2020 2:30 AM  | 0.3 | 1.8 | -0.9 | 2.8 | 0.0 |
| 9/13/2020 2:36 AM  | 0.3 | 1.8 | -0.9 | 2.8 | 0.0 |
| 9/13/2020 2:42 AM  | 0.3 | 1.8 | -0.9 | 2.7 | 0.0 |
| 9/13/2020 2:48 AM  | 0.3 | 1.7 | -0.9 | 2.7 | 0.0 |

|                   |     |     |      |     |     |
|-------------------|-----|-----|------|-----|-----|
| 9/13/2020 2:54 AM | 0.3 | 1.7 | -0.9 | 2.8 | 0.0 |
| 9/13/2020 3:00 AM | 0.3 | 1.7 | -0.9 | 2.8 | 0.0 |
| 9/13/2020 3:06 AM | 0.3 | 1.8 | -0.9 | 2.9 | 0.0 |
| 9/13/2020 3:12 AM | 0.3 | 1.8 | -0.9 | 2.9 | 0.0 |
| 9/13/2020 3:18 AM | 0.3 | 1.8 | -0.9 | 2.9 | 0.0 |
| 9/13/2020 3:24 AM | 0.3 | 1.9 | -0.9 | 3.0 | 0.0 |
| 9/13/2020 3:30 AM | 0.3 | 1.9 | -0.9 | 3.0 | 0.0 |
| 9/13/2020 3:36 AM | 0.3 | 1.9 | -0.9 | 3.1 | 0.0 |
| 9/13/2020 3:42 AM | 0.3 | 1.9 | -0.9 | 3.1 | 0.0 |
| 9/13/2020 3:48 AM | 0.3 | 1.9 | -0.9 | 3.0 | 0.0 |
| 9/13/2020 3:54 AM | 0.3 | 1.9 | -0.9 | 3.0 | 0.0 |
| 9/13/2020 4:00 AM | 0.3 | 1.9 | -0.9 | 3.8 | 0.0 |
| 9/13/2020 4:06 AM | 0.3 | 1.9 | -0.9 | 4.7 | 0.0 |
| 9/13/2020 4:12 AM | 0.3 | 1.9 | -0.9 | 4.6 | 0.0 |
| 9/13/2020 4:18 AM | 0.3 | 1.9 | -0.9 | 4.4 | 0.0 |
| 9/13/2020 4:24 AM | 0.3 | 1.9 | -0.9 | 4.4 | 0.0 |
| 9/13/2020 4:30 AM | 0.3 | 1.9 | -0.9 | 4.5 | 0.0 |
| 9/13/2020 4:36 AM | 0.3 | 1.9 | -0.9 | 4.6 | 0.0 |
| 9/13/2020 4:42 AM | 0.3 | 1.9 | -0.9 | 4.7 | 0.0 |
| 9/13/2020 4:48 AM | 0.3 | 1.9 | -0.9 | 4.4 | 0.0 |
| 9/13/2020 4:54 AM | 0.3 | 1.9 | -0.9 | 4.3 | 0.0 |
| 9/13/2020 5:00 AM | 0.3 | 1.9 | -0.9 | 4.1 | 0.0 |
| 9/13/2020 5:06 AM | 0.3 | 1.9 | -0.9 | 3.9 | 0.0 |
| 9/13/2020 5:12 AM | 0.3 | 1.9 | -0.9 | 3.9 | 0.0 |
| 9/13/2020 5:18 AM | 0.3 | 1.9 | -0.9 | 3.9 | 0.0 |
| 9/13/2020 5:24 AM | 0.3 | 1.9 | -0.9 | 3.9 | 0.0 |
| 9/13/2020 5:30 AM | 0.3 | 1.9 | -0.9 | 4.0 | 0.0 |
| 9/13/2020 5:36 AM | 0.3 | 1.9 | -0.9 | 3.9 | 0.0 |
| 9/13/2020 5:42 AM | 0.3 | 1.9 | -0.9 | 4.0 | 0.0 |
| 9/13/2020 5:48 AM | 0.3 | 1.9 | -0.9 | 4.2 | 0.0 |
| 9/13/2020 5:54 AM | 0.3 | 1.9 | -0.9 | 4.1 | 0.0 |
| 9/13/2020 6:00 AM | 0.3 | 1.9 | -0.9 | 4.0 | 0.0 |
| 9/13/2020 6:06 AM | 0.3 | 1.9 | -0.9 | 4.1 | 0.0 |
| 9/13/2020 6:12 AM | 0.3 | 1.9 | -0.9 | 4.1 | 0.0 |
| 9/13/2020 6:18 AM | 0.3 | 2.0 | -0.9 | 4.0 | 0.0 |
| 9/13/2020 6:24 AM | 0.3 | 2.1 | -0.9 | 4.1 | 0.0 |
| 9/13/2020 6:30 AM | 0.3 | 2.3 | -1.0 | 4.2 | 0.0 |
| 9/13/2020 6:36 AM | 0.3 | 2.6 | -1.1 | 4.9 | 0.0 |
| 9/13/2020 6:42 AM | 0.3 | 2.7 | -1.1 | 6.0 | 0.0 |
| 9/13/2020 6:48 AM | 0.3 | 2.7 | -1.1 | 6.1 | 0.0 |
| 9/13/2020 6:54 AM | 0.3 | 2.7 | -1.1 | 5.9 | 0.0 |
| 9/13/2020 7:00 AM | 0.3 | 2.7 | -1.1 | 5.8 | 0.0 |
| 9/13/2020 7:06 AM | 0.3 | 2.6 | -1.0 | 5.8 | 0.0 |
| 9/13/2020 7:12 AM | 0.3 | 2.5 | -1.0 | 5.9 | 0.0 |
| 9/13/2020 7:18 AM | 0.3 | 2.5 | -1.0 | 6.1 | 0.0 |
| 9/13/2020 7:24 AM | 0.3 | 2.5 | -1.0 | 6.2 | 0.0 |
| 9/13/2020 7:30 AM | 0.3 | 2.5 | -1.0 | 6.0 | 0.0 |
| 9/13/2020 7:36 AM | 0.3 | 2.5 | -1.0 | 5.9 | 0.0 |
| 9/13/2020 7:42 AM | 0.3 | 2.5 | -1.0 | 6.0 | 0.0 |
| 9/13/2020 7:48 AM | 0.4 | 2.4 | -1.0 | 6.1 | 0.0 |

|                    |     |     |      |     |      |
|--------------------|-----|-----|------|-----|------|
| 9/13/2020 7:54 AM  | 0.4 | 2.3 | -0.9 | 6.1 | 0.0  |
| 9/13/2020 8:00 AM  | 0.4 | 2.3 | -0.9 | 6.2 | 0.0  |
| 9/13/2020 8:06 AM  | 0.4 | 2.3 | -0.9 | 6.1 | 0.0  |
| 9/13/2020 8:12 AM  | 0.4 | 2.3 | -0.9 | 5.7 | 0.0  |
| 9/13/2020 8:18 AM  | 0.4 | 2.3 | -0.9 | 5.5 | 0.0  |
| 9/13/2020 8:24 AM  | 0.4 | 2.4 | -0.9 | 5.4 | 0.0  |
| 9/13/2020 8:30 AM  | 0.4 | 2.4 | -0.9 | 5.5 | 0.0  |
| 9/13/2020 8:36 AM  | 0.4 | 2.4 | -0.9 | 7.6 | 0.0  |
| 9/13/2020 8:42 AM  | 0.4 | 2.3 | -0.9 | 8.5 | 0.0  |
| 9/13/2020 8:48 AM  | 0.4 | 2.2 | -0.9 | 8.2 | 0.0  |
| 9/13/2020 8:54 AM  | 0.4 | 2.2 | -0.9 | 8.4 | 0.0  |
| 9/13/2020 9:00 AM  | 0.4 | 2.2 | -0.9 | 8.1 | 0.0  |
| 9/13/2020 9:06 AM  | 0.4 | 2.0 | -0.9 | 8.2 | 0.0  |
| 9/13/2020 9:12 AM  | 0.4 | 1.8 | -0.9 | 8.2 | 0.0  |
| 9/13/2020 9:18 AM  | 0.4 | 1.5 | -0.9 | 8.3 | 0.0  |
| 9/13/2020 9:24 AM  | 0.4 | 1.3 | -0.9 | 8.5 | 0.0  |
| 9/13/2020 9:30 AM  | 0.4 | 1.2 | -0.9 | 8.5 | 0.0  |
| 9/13/2020 9:36 AM  | 0.4 | 1.3 | -0.9 | 8.6 | 0.0  |
| 9/13/2020 9:42 AM  | 0.4 | 1.4 | -0.8 | 8.5 | 0.0  |
| 9/13/2020 9:48 AM  | 0.4 | 1.6 | -0.8 | 8.4 | 0.0  |
| 9/13/2020 9:54 AM  | 0.4 | 1.7 | -0.8 | 8.4 | 0.0  |
| 9/13/2020 10:00 AM | 0.4 | 1.7 | -0.7 | 8.5 | 0.0  |
| 9/13/2020 10:06 AM | 0.4 | 1.7 | -0.7 | 8.5 | 0.0  |
| 9/13/2020 10:12 AM | 0.4 | 1.7 | -0.7 | 8.8 | 0.0  |
| 9/13/2020 10:18 AM | 0.4 | 1.7 | -0.7 | 8.8 | 0.0  |
| 9/13/2020 10:24 AM | 0.4 | 1.8 | -0.7 | 8.8 | 0.0  |
| 9/13/2020 10:30 AM | 0.4 | 1.9 | -0.7 | 8.9 | 0.0  |
| 9/13/2020 10:36 AM | 0.4 | 1.9 | -0.8 | 9.3 | 0.0  |
| 9/13/2020 10:42 AM | 0.4 | 1.9 | -0.8 | 9.5 | 0.0  |
| 9/13/2020 10:48 AM | 0.4 | 2.0 | -0.8 | 9.5 | 0.0  |
| 9/13/2020 10:54 AM | 0.4 | 2.1 | -0.8 | 9.4 | 0.0  |
| 9/13/2020 11:00 AM | 0.4 | 2.1 | -0.8 | 9.3 | 0.0  |
| 9/13/2020 11:06 AM | 0.4 | 2.0 | -0.8 | 9.3 | 0.0  |
| 9/13/2020 11:12 AM | 0.4 | 1.9 | -0.8 | 9.2 | 6.9  |
| 9/13/2020 11:18 AM | 0.4 | 1.9 | -0.7 | 6.0 | 13.8 |
| 9/13/2020 11:24 AM | 0.4 | 1.8 | -0.7 | 1.6 | 8.8  |
| 9/13/2020 11:30 AM | 0.4 | 1.8 | -0.7 | 1.7 | 6.6  |
| 9/13/2020 11:36 AM | 0.4 | 1.8 | -0.8 | 1.8 | 6.2  |
| 9/13/2020 11:42 AM | 0.4 | 1.9 | -0.8 | 1.9 | 6.2  |
| 9/13/2020 11:48 AM | 0.4 | 1.9 | -0.8 | 2.0 | 5.8  |
| 9/13/2020 11:54 AM | 0.4 | 2.0 | -0.8 | 2.0 | 5.0  |
| 9/13/2020 12:00 PM | 0.4 | 2.0 | -0.8 | 2.1 | 4.3  |
| 9/13/2020 12:06 PM | 0.2 | 2.0 | -0.8 | 2.1 | 3.5  |
| 9/13/2020 12:12 PM | 0.2 | 2.1 | -0.8 | 2.1 | 3.2  |
| 9/13/2020 12:18 PM | 0.2 | 2.1 | -0.8 | 2.0 | 3.0  |
| 9/13/2020 12:24 PM | 0.2 | 2.2 | -0.8 | 2.0 | 2.8  |
| 9/13/2020 12:30 PM | 0.2 | 2.2 | -0.9 | 2.0 | 2.8  |
| 9/13/2020 12:36 PM | 0.2 | 2.2 | -0.9 | 2.1 | 2.8  |
| 9/13/2020 12:42 PM | 0.2 | 2.2 | -0.9 | 2.1 | 2.7  |
| 9/13/2020 12:48 PM | 0.2 | 2.3 | -0.9 | 2.1 | 2.7  |

|                    |     |     |      |     |     |
|--------------------|-----|-----|------|-----|-----|
| 9/13/2020 12:54 PM | 0.2 | 2.3 | -0.9 | 2.1 | 2.6 |
| 9/13/2020 1:00 PM  | 0.2 | 2.4 | -0.9 | 2.1 | 2.6 |
| 9/13/2020 1:06 PM  | 0.2 | 2.4 | -0.9 | 1.8 | 2.6 |
| 9/13/2020 1:12 PM  | 0.2 | 2.3 | -0.9 | 1.5 | 2.5 |
| 9/13/2020 1:18 PM  | 0.2 | 2.3 | -0.9 | 1.6 | 2.5 |
| 9/13/2020 1:24 PM  | 0.2 | 2.2 | -0.9 | 1.6 | 2.5 |
| 9/13/2020 1:30 PM  | 0.2 | 2.2 | -0.8 | 1.6 | 2.5 |
| 9/13/2020 1:36 PM  | 0.2 | 2.2 | -0.8 | 1.6 | 2.6 |
| 9/13/2020 1:42 PM  | 0.2 | 2.2 | -0.8 | 1.7 | 2.6 |
| 9/13/2020 1:48 PM  | 0.2 | 2.3 | -0.8 | 1.7 | 2.6 |
| 9/13/2020 1:54 PM  | 0.2 | 2.3 | -0.8 | 1.6 | 2.6 |
| 9/13/2020 2:00 PM  | 0.2 | 2.3 | -0.8 | 1.6 | 2.6 |
| 9/13/2020 2:06 PM  | 0.2 | 2.3 | -0.9 | 1.7 | 2.6 |
| 9/13/2020 2:12 PM  | 0.2 | 2.4 | -0.9 | 1.7 | 2.6 |
| 9/13/2020 2:18 PM  | 0.2 | 2.3 | -0.8 | 1.8 | 2.6 |
| 9/13/2020 2:24 PM  | 0.2 | 2.2 | -0.8 | 1.8 | 2.6 |
| 9/13/2020 2:30 PM  | 0.2 | 2.1 | -0.8 | 1.7 | 2.6 |
| 9/13/2020 2:36 PM  | 0.2 | 1.9 | -0.7 | 1.7 | 2.6 |
| 9/13/2020 2:42 PM  | 0.2 | 1.8 | -0.7 | 1.7 | 2.6 |
| 9/13/2020 2:48 PM  | 0.2 | 1.7 | -0.6 | 1.6 | 2.6 |
| 9/13/2020 2:54 PM  | 0.2 | 1.5 | -0.6 | 1.6 | 2.6 |
| 9/13/2020 3:00 PM  | 0.2 | 1.4 | -0.5 | 1.6 | 2.6 |
| 9/13/2020 3:06 PM  | 0.2 | 1.3 | -0.5 | 1.1 | 2.5 |
| 9/13/2020 3:12 PM  | 0.2 | 1.3 | -0.5 | 0.8 | 2.5 |
| 9/13/2020 3:18 PM  | 0.2 | 1.3 | -0.5 | 0.9 | 2.6 |
| 9/13/2020 3:24 PM  | 0.2 | 1.3 | -0.5 | 0.9 | 2.6 |
| 9/13/2020 3:30 PM  | 0.2 | 1.3 | -0.6 | 0.9 | 2.6 |
| 9/13/2020 3:36 PM  | 0.2 | 1.3 | -0.6 | 0.9 | 2.6 |
| 9/13/2020 3:42 PM  | 0.2 | 1.4 | -0.6 | 0.9 | 2.7 |
| 9/13/2020 3:48 PM  | 0.2 | 1.5 | -0.6 | 0.9 | 2.7 |
| 9/13/2020 3:54 PM  | 0.2 | 1.6 | -0.7 | 0.9 | 2.6 |
| 9/13/2020 4:00 PM  | 0.2 | 1.6 | -0.7 | 0.9 | 2.6 |
| 9/13/2020 4:06 PM  | 0.2 | 1.7 | -0.7 | 0.9 | 2.7 |
| 9/13/2020 4:12 PM  | 0.2 | 1.7 | -0.7 | 0.9 | 2.7 |
| 9/13/2020 4:18 PM  | 0.2 | 1.7 | -0.7 | 0.9 | 2.7 |
| 9/13/2020 4:24 PM  | 0.2 | 1.8 | -0.7 | 1.0 | 2.7 |
| 9/13/2020 4:30 PM  | 0.2 | 1.8 | -0.7 | 1.0 | 2.7 |
| 9/13/2020 4:36 PM  | 0.2 | 1.7 | -0.7 | 1.0 | 2.7 |
| 9/13/2020 4:42 PM  | 0.2 | 1.7 | -0.7 | 1.0 | 2.7 |
| 9/13/2020 4:48 PM  | 0.2 | 1.7 | -0.7 | 0.9 | 2.6 |
| 9/13/2020 4:54 PM  | 0.2 | 1.6 | -0.7 | 1.0 | 2.6 |
| 9/13/2020 5:00 PM  | 0.2 | 1.6 | -0.7 | 1.0 | 2.6 |
| 9/13/2020 5:06 PM  | 0.2 | 1.5 | -0.7 | 0.9 | 2.7 |
| 9/13/2020 5:12 PM  | 0.2 | 1.4 | -0.7 | 0.9 | 2.7 |
| 9/13/2020 5:18 PM  | 0.2 | 1.4 | -0.7 | 1.0 | 2.7 |
| 9/13/2020 5:24 PM  | 0.2 | 1.4 | -0.7 | 1.0 | 2.7 |
| 9/13/2020 5:30 PM  | 0.2 | 1.5 | -0.7 | 1.0 | 2.7 |
| 9/13/2020 5:36 PM  | 0.2 | 1.5 | -0.7 | 1.0 | 2.7 |
| 9/13/2020 5:42 PM  | 0.2 | 1.5 | -0.7 | 1.0 | 2.6 |
| 9/13/2020 5:48 PM  | 0.2 | 1.5 | -0.7 | 1.0 | 2.7 |

|                    |     |     |      |     |     |
|--------------------|-----|-----|------|-----|-----|
| 9/13/2020 5:54 PM  | 0.2 | 1.6 | -0.7 | 1.0 | 2.7 |
| 9/13/2020 6:00 PM  | 0.2 | 1.6 | -0.7 | 1.0 | 2.7 |
| 9/13/2020 6:06 PM  | 0.2 | 1.6 | -0.7 | 1.0 | 2.6 |
| 9/13/2020 6:12 PM  | 0.2 | 1.6 | -0.6 | 1.0 | 2.6 |
| 9/13/2020 6:18 PM  | 0.2 | 1.6 | -0.6 | 1.0 | 2.6 |
| 9/13/2020 6:24 PM  | 0.1 | 1.6 | -0.6 | 1.0 | 2.6 |
| 9/13/2020 6:30 PM  | 0.2 | 1.6 | -0.7 | 1.0 | 2.6 |
| 9/13/2020 6:36 PM  | 0.1 | 1.6 | -0.7 | 1.0 | 2.5 |
| 9/13/2020 6:42 PM  | 0.1 | 1.6 | -0.6 | 1.0 | 2.5 |
| 9/13/2020 6:48 PM  | 0.1 | 1.5 | -0.6 | 1.0 | 2.6 |
| 9/13/2020 6:54 PM  | 0.1 | 1.5 | -0.6 | 1.0 | 2.5 |
| 9/13/2020 7:00 PM  | 0.1 | 1.5 | -0.6 | 1.0 | 2.5 |
| 9/13/2020 7:06 PM  | 0.1 | 1.5 | -0.6 | 1.0 | 2.5 |
| 9/13/2020 7:12 PM  | 0.1 | 1.5 | -0.6 | 1.0 | 2.5 |
| 9/13/2020 7:18 PM  | 0.1 | 1.5 | -0.6 | 1.0 | 2.5 |
| 9/13/2020 7:24 PM  | 0.1 | 1.5 | -0.6 | 1.0 | 2.6 |
| 9/13/2020 7:30 PM  | 0.1 | 1.5 | -0.6 | 1.1 | 2.6 |
| 9/13/2020 7:36 PM  | 0.1 | 1.6 | -0.6 | 1.2 | 2.6 |
| 9/13/2020 7:42 PM  | 0.1 | 1.6 | -0.7 | 1.2 | 2.6 |
| 9/13/2020 7:48 PM  | 0.1 | 1.6 | -0.7 | 1.3 | 2.6 |
| 9/13/2020 7:54 PM  | 0.1 | 1.7 | -0.7 | 1.2 | 2.6 |
| 9/13/2020 8:00 PM  | 0.1 | 1.7 | -0.7 | 1.2 | 2.6 |
| 9/13/2020 8:06 PM  | 0.1 | 1.7 | -0.7 | 1.2 | 2.6 |
| 9/13/2020 8:12 PM  | 0.1 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/13/2020 8:18 PM  | 0.1 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/13/2020 8:24 PM  | 0.2 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/13/2020 8:30 PM  | 0.1 | 1.7 | -0.7 | 1.2 | 2.7 |
| 9/13/2020 8:36 PM  | 0.2 | 1.7 | -0.7 | 1.2 | 2.8 |
| 9/13/2020 8:42 PM  | 0.2 | 1.7 | -0.7 | 1.3 | 2.8 |
| 9/13/2020 8:48 PM  | 0.2 | 1.7 | -0.7 | 1.3 | 2.8 |
| 9/13/2020 8:54 PM  | 0.2 | 1.7 | -0.7 | 1.3 | 2.8 |
| 9/13/2020 9:00 PM  | 0.2 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/13/2020 9:06 PM  | 0.2 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/13/2020 9:12 PM  | 0.1 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/13/2020 9:18 PM  | 0.1 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/13/2020 9:24 PM  | 0.1 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/13/2020 9:30 PM  | 0.1 | 1.8 | -0.7 | 1.3 | 2.6 |
| 9/13/2020 9:36 PM  | 0.1 | 1.8 | -0.7 | 1.2 | 2.7 |
| 9/13/2020 9:42 PM  | 0.1 | 1.8 | -0.7 | 1.2 | 2.7 |
| 9/13/2020 9:48 PM  | 0.1 | 1.8 | -0.7 | 1.2 | 2.7 |
| 9/13/2020 9:54 PM  | 0.1 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/13/2020 10:00 PM | 0.1 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/13/2020 10:06 PM | 0.1 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/13/2020 10:12 PM | 0.1 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/13/2020 10:18 PM | 0.1 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/13/2020 10:24 PM | 0.1 | 1.8 | -0.7 | 1.3 | 2.8 |
| 9/13/2020 10:30 PM | 0.1 | 1.8 | -0.7 | 1.3 | 2.8 |
| 9/13/2020 10:36 PM | 0.1 | 1.8 | -0.7 | 1.3 | 2.8 |
| 9/13/2020 10:42 PM | 0.1 | 1.8 | -0.7 | 1.3 | 2.7 |
| 9/13/2020 10:48 PM | 0.1 | 1.8 | -0.7 | 1.2 | 2.7 |

|                    |     |     |      |     |     |
|--------------------|-----|-----|------|-----|-----|
| 9/13/2020 10:54 PM | 0.1 | 1.8 | -0.7 | 1.2 | 2.7 |
| 9/13/2020 11:00 PM | 0.1 | 1.8 | -0.7 | 1.2 | 2.7 |
| 9/13/2020 11:06 PM | 0.1 | 1.8 | -0.7 | 1.2 | 2.8 |
| 9/13/2020 11:12 PM | 0.1 | 1.8 | -0.7 | 1.2 | 2.8 |
| 9/13/2020 11:18 PM | 0.1 | 1.8 | -0.7 | 1.2 | 2.8 |
| 9/13/2020 11:24 PM | 0.1 | 1.8 | -0.7 | 1.2 | 2.8 |
| 9/13/2020 11:30 PM | 0.1 | 1.8 | -0.7 | 1.4 | 2.8 |
| 9/13/2020 11:36 PM | 0.1 | 1.8 | -0.7 | 1.4 | 2.8 |
| 9/13/2020 11:42 PM | 0.1 | 1.8 | -0.7 | 1.3 | 2.8 |
| 9/13/2020 11:48 PM | 0.1 | 1.8 | -0.7 | 1.3 | 2.8 |
| 9/13/2020 11:54 PM | 0.1 | 1.8 | -0.7 | 1.3 | 2.8 |
| 9/14/2020 12:00 AM | 0.1 | 1.8 | -0.7 | 1.4 | 2.7 |
| 9/14/2020 12:06 AM | 0.1 | 1.8 | -0.7 | 3.6 | 1.4 |
| 9/14/2020 12:12 AM | 0.1 | 1.8 | -0.7 | 5.1 | 0.1 |
| 9/14/2020 12:18 AM | 0.1 | 1.8 | -0.7 | 4.5 | 0.1 |
| 9/14/2020 12:24 AM | 0.1 | 1.8 | -0.7 | 4.3 | 0.1 |
| 9/14/2020 12:30 AM | 0.1 | 1.8 | -0.7 | 4.2 | 0.0 |
| 9/14/2020 12:36 AM | 0.1 | 1.7 | -0.7 | 4.2 | 0.0 |
| 9/14/2020 12:42 AM | 0.2 | 1.7 | -0.7 | 4.1 | 0.0 |
| 9/14/2020 12:48 AM | 0.2 | 1.7 | -0.7 | 4.0 | 0.0 |
| 9/14/2020 12:54 AM | 0.2 | 1.7 | -0.7 | 4.0 | 0.0 |
| 9/14/2020 1:00 AM  | 0.2 | 1.7 | -0.7 | 3.9 | 0.0 |
| 9/14/2020 1:06 AM  | 0.2 | 1.6 | -0.7 | 3.8 | 0.0 |
| 9/14/2020 1:12 AM  | 0.2 | 1.6 | -0.7 | 3.8 | 0.0 |
| 9/14/2020 1:18 AM  | 0.2 | 1.6 | -0.7 | 3.6 | 0.0 |
| 9/14/2020 1:24 AM  | 0.2 | 1.6 | -0.7 | 3.5 | 0.0 |
| 9/14/2020 1:30 AM  | 0.2 | 1.6 | -0.7 | 3.5 | 0.0 |
| 9/14/2020 1:36 AM  | 0.2 | 1.6 | -0.7 | 3.5 | 0.0 |
| 9/14/2020 1:42 AM  | 0.2 | 1.5 | -0.7 | 3.5 | 0.0 |
| 9/14/2020 1:48 AM  | 0.2 | 1.5 | -0.7 | 3.5 | 0.0 |
| 9/14/2020 1:54 AM  | 0.2 | 1.5 | -0.7 | 3.5 | 0.0 |
| 9/14/2020 2:00 AM  | 0.2 | 1.5 | -0.7 | 2.7 | 0.0 |
| 9/14/2020 2:06 AM  | 0.2 | 1.5 | -0.7 | 1.7 | 0.0 |
| 9/14/2020 2:12 AM  | 0.2 | 1.4 | -0.7 | 1.7 | 0.0 |
| 9/14/2020 2:18 AM  | 0.2 | 1.4 | -0.7 | 1.8 | 0.1 |
| 9/14/2020 2:24 AM  | 0.2 | 1.4 | -0.6 | 1.9 | 0.0 |
| 9/14/2020 2:30 AM  | 0.2 | 1.3 | -0.6 | 1.9 | 0.0 |
| 9/14/2020 2:36 AM  | 0.2 | 1.3 | -0.6 | 1.8 | 0.0 |
| 9/14/2020 2:42 AM  | 0.2 | 1.3 | -0.6 | 1.8 | 0.0 |
| 9/14/2020 2:48 AM  | 0.2 | 1.3 | -0.6 | 1.9 | 0.0 |
| 9/14/2020 2:54 AM  | 0.2 | 1.3 | -0.6 | 1.9 | 0.0 |
| 9/14/2020 3:00 AM  | 0.2 | 1.3 | -0.6 | 2.0 | 0.0 |
| 9/14/2020 3:06 AM  | 0.2 | 1.2 | -0.6 | 2.0 | 0.0 |
| 9/14/2020 3:12 AM  | 0.2 | 1.2 | -0.7 | 2.0 | 0.0 |
| 9/14/2020 3:18 AM  | 0.2 | 1.2 | -0.7 | 2.0 | 0.0 |
| 9/14/2020 3:24 AM  | 0.2 | 1.2 | -0.6 | 2.1 | 0.0 |
| 9/14/2020 3:30 AM  | 0.2 | 1.1 | -0.6 | 2.2 | 0.0 |
| 9/14/2020 3:36 AM  | 0.2 | 1.1 | -0.6 | 2.1 | 0.0 |
| 9/14/2020 3:42 AM  | 0.2 | 1.1 | -0.6 | 2.0 | 0.1 |
| 9/14/2020 3:48 AM  | 0.2 | 1.1 | -0.6 | 2.0 | 0.1 |



|                   |     |     |      |     |      |
|-------------------|-----|-----|------|-----|------|
| 9/14/2020 3:54 AM | 0.2 | 1.1 | -0.6 | 2.0 | 0.1  |
| 9/14/2020 4:00 AM | 0.2 | 1.0 | -0.6 | 1.9 | 0.0  |
| 9/14/2020 4:06 AM | 0.2 | 1.0 | -0.6 | 1.9 | 0.1  |
| 9/14/2020 4:12 AM | 0.2 | 1.0 | -0.6 | 1.9 | 0.1  |
| 9/14/2020 4:18 AM | 0.2 | 1.0 | -0.6 | 2.0 | 0.1  |
| 9/14/2020 4:24 AM | 0.2 | 1.0 | -0.6 | 2.1 | 0.1  |
| 9/14/2020 4:30 AM | 0.2 | 0.9 | -0.6 | 2.0 | 0.0  |
| 9/14/2020 4:36 AM | 0.2 | 0.9 | -0.6 | 1.9 | 0.0  |
| 9/14/2020 4:42 AM | 0.2 | 0.9 | -0.6 | 1.9 | 0.1  |
| 9/14/2020 4:48 AM | 0.2 | 0.9 | -0.6 | 1.9 | 0.0  |
| 9/14/2020 4:54 AM | 0.1 | 0.9 | -0.6 | 2.0 | 0.0  |
| 9/14/2020 5:00 AM | 0.1 | 0.8 | -0.6 | 2.0 | 0.0  |
| 9/14/2020 5:06 AM | 0.1 | 0.8 | -0.6 | 1.9 | 0.0  |
| 9/14/2020 5:12 AM | 0.1 | 0.8 | -0.6 | 2.0 | 0.1  |
| 9/14/2020 5:18 AM | 0.1 | 0.8 | -0.6 | 2.3 | 0.1  |
| 9/14/2020 5:24 AM | 0.1 | 0.8 | -0.6 | 2.8 | 0.0  |
| 9/14/2020 5:30 AM | 0.1 | 0.8 | -0.6 | 3.5 | 0.0  |
| 9/14/2020 5:36 AM | 0.1 | 0.8 | -0.6 | 4.5 | 0.0  |
| 9/14/2020 5:42 AM | 0.1 | 0.8 | -0.6 | 4.7 | 0.0  |
| 9/14/2020 5:48 AM | 0.1 | 0.8 | -0.6 | 4.6 | 0.0  |
| 9/14/2020 5:54 AM | 0.1 | 0.8 | -0.6 | 4.5 | 0.0  |
| 9/14/2020 6:00 AM | 0.1 | 0.8 | -0.6 | 4.5 | 0.0  |
| 9/14/2020 6:06 AM | 0.1 | 0.8 | -0.6 | 4.4 | 0.0  |
| 9/14/2020 6:12 AM | 0.1 | 0.8 | -0.6 | 4.2 | 0.0  |
| 9/14/2020 6:18 AM | 0.1 | 0.8 | -0.6 | 4.2 | 0.0  |
| 9/14/2020 6:24 AM | 0.1 | 0.8 | -0.6 | 4.2 | 0.1  |
| 9/14/2020 6:30 AM | 0.1 | 0.8 | -0.6 | 5.4 | 0.0  |
| 9/14/2020 6:36 AM | 0.1 | 0.9 | -0.6 | 7.8 | 0.0  |
| 9/14/2020 6:42 AM | 0.1 | 0.9 | -0.7 | 8.5 | 0.0  |
| 9/14/2020 6:48 AM | 0.1 | 1.0 | -0.7 | 8.2 | 0.0  |
| 9/14/2020 6:54 AM | 0.1 | 1.0 | -0.7 | 8.2 | 0.0  |
| 9/14/2020 7:00 AM | 0.1 | 1.1 | -0.7 | 8.3 | 0.0  |
| 9/14/2020 7:06 AM | 0.1 | 1.2 | -0.7 | 8.1 | 0.0  |
| 9/14/2020 7:12 AM | 0.1 | 1.2 | -0.8 | 7.2 | 5.4  |
| 9/14/2020 7:18 AM | 0.1 | 1.3 | -0.8 | 3.8 | 11.3 |
| 9/14/2020 7:24 AM | 0.1 | 1.4 | -0.8 | 1.6 | 8.7  |
| 9/14/2020 7:30 AM | 0.1 | 1.4 | -0.8 | 1.7 | 6.9  |
| 9/14/2020 7:36 AM | 0.1 | 1.5 | -0.8 | 1.8 | 6.6  |
| 9/14/2020 7:42 AM | 0.1 | 1.5 | -0.8 | 1.9 | 5.9  |
| 9/14/2020 7:48 AM | 0.1 | 1.5 | -0.8 | 1.9 | 4.9  |
| 9/14/2020 7:54 AM | 0.1 | 1.5 | -0.8 | 1.8 | 4.0  |
| 9/14/2020 8:00 AM | 0.1 | 1.5 | -0.8 | 1.8 | 3.6  |
| 9/14/2020 8:06 AM | 0.1 | 1.6 | -0.8 | 1.8 | 3.3  |
| 9/14/2020 8:12 AM | 0.1 | 1.7 | -0.8 | 1.8 | 3.2  |
| 9/14/2020 8:18 AM | 0.1 | 1.7 | -0.8 | 1.8 | 3.0  |
| 9/14/2020 8:24 AM | 0.1 | 1.7 | -0.8 | 1.8 | 3.0  |
| 9/14/2020 8:30 AM | 0.1 | 1.7 | -0.8 | 1.7 | 3.0  |
| 9/14/2020 8:36 AM | 0.1 | 1.7 | -0.8 | 1.7 | 3.0  |
| 9/14/2020 8:42 AM | 0.1 | 1.7 | -0.8 | 1.7 | 3.0  |
| 9/14/2020 8:48 AM | 0.1 | 1.7 | -0.8 | 1.3 | 2.8  |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 9/14/2020 8:54 AM  | 0.1  | 1.7  | -0.8 | 0.7 | 2.6 |
| 9/14/2020 9:00 AM  | 0.1  | 1.7  | -0.8 | 0.7 | 2.6 |
| 9/14/2020 9:06 AM  | 0.1  | 1.6  | -0.8 | 0.8 | 2.7 |
| 9/14/2020 9:12 AM  | 0.1  | 1.6  | -0.8 | 0.8 | 2.8 |
| 9/14/2020 9:18 AM  | 0.1  | 1.5  | -0.8 | 0.8 | 2.8 |
| 9/14/2020 9:24 AM  | 0.1  | 1.3  | -0.8 | 0.9 | 2.7 |
| 9/14/2020 9:30 AM  | 0.1  | 1.3  | -0.8 | 0.9 | 2.8 |
| 9/14/2020 9:36 AM  | 0.1  | 1.3  | -0.7 | 0.9 | 2.8 |
| 9/14/2020 9:42 AM  | 0.1  | 1.3  | -0.7 | 0.9 | 2.8 |
| 9/14/2020 9:48 AM  | 0.1  | 1.4  | -0.7 | 0.9 | 2.8 |
| 9/14/2020 9:54 AM  | 0.1  | 1.4  | -0.6 | 0.8 | 2.8 |
| 9/14/2020 10:00 AM | 0.1  | 1.5  | -0.5 | 0.9 | 2.7 |
| 9/14/2020 10:06 AM | 0.1  | 1.5  | -0.5 | 0.9 | 2.7 |
| 9/14/2020 10:12 AM | 0.1  | 1.5  | -0.4 | 0.9 | 2.7 |
| 9/14/2020 10:18 AM | 0.1  | 1.6  | -0.4 | 0.9 | 2.7 |
| 9/14/2020 10:24 AM | 0.1  | 1.5  | -0.4 | 0.9 | 2.7 |
| 9/14/2020 10:30 AM | 0.1  | 1.5  | -0.5 | 0.9 | 2.7 |
| 9/14/2020 10:36 AM | 0.2  | 1.5  | -0.5 | 0.9 | 2.8 |
| 9/14/2020 10:42 AM | 0.2  | 1.5  | -0.6 | 0.9 | 2.7 |
| 9/14/2020 10:48 AM | 0.2  | 1.5  | -0.6 | 0.9 | 2.7 |
| 9/14/2020 10:54 AM | 0.2  | 1.6  | -0.6 | 0.9 | 2.7 |
| 9/14/2020 11:00 AM | 0.2  | 1.6  | -0.6 | 0.9 | 2.7 |
| 9/14/2020 11:06 AM | 0.2  | 1.6  | -0.5 | 0.9 | 2.7 |
| 9/14/2020 11:12 AM | 0.2  | 1.5  | -0.5 | 0.9 | 2.7 |
| 9/14/2020 11:18 AM | 0.2  | 1.4  | -0.5 | 0.9 | 2.6 |
| 9/14/2020 11:24 AM | 0.2  | 1.2  | -0.5 | 0.9 | 2.6 |
| 9/14/2020 11:30 AM | 0.2  | 1.0  | -0.5 | 0.9 | 2.6 |
| 9/14/2020 11:36 AM | 0.2  | 1.0  | -0.5 | 0.9 | 2.6 |
| 9/14/2020 11:42 AM | 0.3  | 1.0  | -0.4 | 0.9 | 2.7 |
| 9/14/2020 11:48 AM | 0.3  | 1.0  | -0.4 | 0.9 | 2.8 |
| 9/14/2020 11:54 AM | 0.3  | 1.1  | -0.4 | 0.9 | 2.7 |
| 9/14/2020 12:00 PM | 0.2  | 1.1  | -0.4 | 0.9 | 2.7 |
| 9/14/2020 12:06 PM | -0.1 | 1.2  | -0.3 | 0.8 | 2.8 |
| 9/14/2020 12:12 PM | -0.1 | 1.1  | -0.3 | 0.9 | 2.8 |
| 9/14/2020 12:18 PM | -0.1 | 11.1 | -0.3 | 0.9 | 2.7 |
| 9/14/2020 12:24 PM | -0.1 | 12.1 | -0.3 | 0.9 | 2.8 |
| 9/14/2020 12:30 PM | -0.1 | 3.0  | -0.3 | 0.9 | 2.8 |
| 9/14/2020 12:36 PM | -0.1 | 3.1  | -0.4 | 0.9 | 2.8 |
| 9/14/2020 12:42 PM | -0.1 | 3.0  | -0.4 | 0.9 | 2.8 |
| 9/14/2020 12:48 PM | -0.1 | 2.9  | -0.4 | 0.9 | 2.9 |
| 9/14/2020 12:54 PM | -0.1 | 2.7  | -0.4 | 0.9 | 2.9 |
| 9/14/2020 1:00 PM  | -0.1 | 2.5  | -0.5 | 0.9 | 2.9 |
| 9/14/2020 1:06 PM  | -0.1 | 2.3  | -0.5 | 0.9 | 3.0 |
| 9/14/2020 1:12 PM  | -0.1 | 2.1  | -0.5 | 0.9 | 3.0 |
| 9/14/2020 1:18 PM  | -0.1 | 1.9  | -0.5 | 0.9 | 2.9 |
| 9/14/2020 1:24 PM  | -0.1 | 1.7  | -0.4 | 0.9 | 2.9 |
| 9/14/2020 1:30 PM  | -0.1 | 1.5  | -0.4 | 0.9 | 2.9 |
| 9/14/2020 1:36 PM  | -0.1 | 1.3  | -0.4 | 0.9 | 3.0 |
| 9/14/2020 1:42 PM  | -0.1 | 1.2  | -0.4 | 0.9 | 2.9 |
| 9/14/2020 1:48 PM  | -0.1 | 1.0  | -0.4 | 0.9 | 2.9 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 9/14/2020 1:54 PM | -0.1 | 0.8 | -0.3 | 0.9 | 2.8 |
| 9/14/2020 2:00 PM | -0.1 | 0.7 | -0.3 | 0.9 | 2.8 |
| 9/14/2020 2:06 PM | -0.1 | 0.7 | -0.4 | 0.9 | 2.8 |
| 9/14/2020 2:12 PM | -0.1 | 0.7 | -0.4 | 0.9 | 2.8 |
| 9/14/2020 2:18 PM | -0.1 | 0.9 | -0.5 | 0.9 | 2.9 |
| 9/14/2020 2:24 PM | -0.1 | 1.0 | -0.5 | 0.9 | 2.8 |
| 9/14/2020 2:30 PM | -0.1 | 1.0 | -0.5 | 0.9 | 2.8 |
| 9/14/2020 2:36 PM | -0.1 | 1.1 | -0.6 | 0.8 | 2.8 |
| 9/14/2020 2:42 PM | -0.1 | 1.1 | -0.5 | 0.8 | 2.8 |
| 9/14/2020 2:48 PM | -0.1 | 1.1 | -0.6 | 0.9 | 2.9 |
| 9/14/2020 2:54 PM | -0.1 | 1.1 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 3:00 PM | -0.1 | 1.1 | -0.5 | 0.9 | 2.8 |
| 9/14/2020 3:06 PM | -0.1 | 1.0 | -0.5 | 0.8 | 2.7 |
| 9/14/2020 3:12 PM | -0.1 | 0.9 | -0.5 | 0.8 | 2.7 |
| 9/14/2020 3:18 PM | -0.1 | 0.8 | -0.4 | 0.9 | 2.7 |
| 9/14/2020 3:24 PM | -0.1 | 0.7 | -0.4 | 0.9 | 2.7 |
| 9/14/2020 3:30 PM | -0.1 | 0.8 | -0.5 | 0.9 | 2.7 |
| 9/14/2020 3:36 PM | -0.1 | 0.8 | -0.5 | 0.9 | 2.8 |
| 9/14/2020 3:42 PM | -0.1 | 0.9 | -0.5 | 0.9 | 2.8 |
| 9/14/2020 3:48 PM | -0.1 | 0.9 | -0.6 | 0.9 | 2.7 |
| 9/14/2020 3:54 PM | -0.1 | 1.0 | -0.6 | 0.8 | 2.7 |
| 9/14/2020 4:00 PM | -0.1 | 1.0 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 4:06 PM | -0.1 | 1.1 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 4:12 PM | -0.1 | 1.1 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 4:18 PM | -0.1 | 1.1 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 4:24 PM | -0.1 | 1.2 | -0.6 | 0.9 | 2.9 |
| 9/14/2020 4:30 PM | -0.1 | 1.2 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 4:36 PM | -0.2 | 1.3 | -0.7 | 0.8 | 2.8 |
| 9/14/2020 4:42 PM | -0.2 | 1.3 | -0.7 | 0.8 | 2.8 |
| 9/14/2020 4:48 PM | -0.2 | 1.3 | -0.7 | 0.9 | 2.7 |
| 9/14/2020 4:54 PM | -0.2 | 1.2 | -0.7 | 0.9 | 2.8 |
| 9/14/2020 5:00 PM | -0.2 | 1.2 | -0.7 | 0.9 | 2.8 |
| 9/14/2020 5:06 PM | -0.2 | 1.1 | -0.7 | 0.9 | 2.9 |
| 9/14/2020 5:12 PM | -0.2 | 1.1 | -0.7 | 0.9 | 2.9 |
| 9/14/2020 5:18 PM | -0.2 | 1.1 | -0.7 | 0.9 | 2.8 |
| 9/14/2020 5:24 PM | -0.2 | 1.1 | -0.7 | 0.9 | 2.9 |
| 9/14/2020 5:30 PM | -0.2 | 1.2 | -0.7 | 0.9 | 2.9 |
| 9/14/2020 5:36 PM | -0.2 | 1.2 | -0.6 | 0.9 | 2.9 |
| 9/14/2020 5:42 PM | -0.2 | 1.3 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 5:48 PM | -0.2 | 1.3 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 5:54 PM | -0.2 | 1.3 | -0.6 | 0.9 | 2.9 |
| 9/14/2020 6:00 PM | -0.3 | 1.3 | -0.6 | 0.9 | 3.0 |
| 9/14/2020 6:06 PM | -0.3 | 1.3 | -0.6 | 0.9 | 2.9 |
| 9/14/2020 6:12 PM | -0.3 | 1.3 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 6:18 PM | -0.3 | 1.3 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 6:24 PM | -0.3 | 1.3 | -0.6 | 0.8 | 2.8 |
| 9/14/2020 6:30 PM | -0.3 | 1.3 | -0.6 | 0.8 | 2.8 |
| 9/14/2020 6:36 PM | -0.3 | 1.3 | -0.6 | 0.8 | 2.8 |
| 9/14/2020 6:42 PM | -0.3 | 1.3 | -0.6 | 0.8 | 2.8 |
| 9/14/2020 6:48 PM | -0.3 | 1.3 | -0.6 | 0.9 | 2.7 |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 9/14/2020 6:54 PM  | -0.3 | 1.2 | -0.6 | 0.9 | 2.7 |
| 9/14/2020 7:00 PM  | -0.3 | 1.2 | -0.6 | 0.9 | 2.7 |
| 9/14/2020 7:06 PM  | -0.3 | 1.2 | -0.6 | 0.9 | 2.7 |
| 9/14/2020 7:12 PM  | -0.3 | 1.2 | -0.6 | 0.9 | 2.7 |
| 9/14/2020 7:18 PM  | -0.3 | 1.2 | -0.6 | 0.8 | 2.7 |
| 9/14/2020 7:24 PM  | -0.3 | 1.2 | -0.6 | 0.8 | 2.7 |
| 9/14/2020 7:30 PM  | -0.3 | 1.2 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 7:36 PM  | -0.3 | 1.2 | -0.6 | 0.9 | 2.8 |
| 9/14/2020 7:42 PM  | -0.4 | 1.1 | -0.6 | 0.9 | 2.7 |
| 9/14/2020 7:48 PM  | -0.3 | 1.1 | -0.6 | 0.9 | 2.6 |
| 9/14/2020 7:54 PM  | -0.3 | 1.1 | -0.6 | 0.9 | 2.6 |
| 9/14/2020 8:00 PM  | -0.4 | 1.1 | -0.6 | 0.9 | 2.6 |
| 9/14/2020 8:06 PM  | -0.4 | 1.1 | -0.6 | 0.9 | 2.5 |
| 9/14/2020 8:12 PM  | -0.4 | 1.1 | -0.6 | 0.9 | 2.6 |
| 9/14/2020 8:18 PM  | -0.4 | 1.0 | -0.6 | 0.9 | 2.6 |
| 9/14/2020 8:24 PM  | -0.4 | 1.0 | -0.6 | 0.9 | 2.6 |
| 9/14/2020 8:30 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.6 |
| 9/14/2020 8:36 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.6 |
| 9/14/2020 8:42 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 8:48 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 8:54 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.6 |
| 9/14/2020 9:00 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.6 |
| 9/14/2020 9:06 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.6 |
| 9/14/2020 9:12 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.6 |
| 9/14/2020 9:18 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 9:24 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 9:30 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 9:36 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 9:42 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 9:48 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 9:54 PM  | -0.4 | 1.0 | -0.6 | 0.8 | 2.4 |
| 9/14/2020 10:00 PM | -0.4 | 1.0 | -0.6 | 0.8 | 2.3 |
| 9/14/2020 10:06 PM | -0.4 | 1.0 | -0.6 | 0.8 | 2.3 |
| 9/14/2020 10:12 PM | -0.4 | 1.0 | -0.6 | 0.8 | 2.3 |
| 9/14/2020 10:18 PM | -0.4 | 1.0 | -0.6 | 0.8 | 2.3 |
| 9/14/2020 10:24 PM | -0.4 | 1.0 | -0.6 | 0.8 | 2.3 |
| 9/14/2020 10:30 PM | -0.4 | 1.0 | -0.6 | 0.8 | 2.3 |
| 9/14/2020 10:36 PM | -0.5 | 1.0 | -0.6 | 0.8 | 2.3 |
| 9/14/2020 10:42 PM | -0.5 | 1.0 | -0.6 | 0.8 | 2.3 |
| 9/14/2020 10:48 PM | -0.5 | 1.0 | -0.6 | 0.8 | 2.4 |
| 9/14/2020 10:54 PM | -0.5 | 1.0 | -0.6 | 0.9 | 2.3 |
| 9/14/2020 11:00 PM | -0.5 | 1.0 | -0.6 | 0.8 | 2.3 |
| 9/14/2020 11:06 PM | -0.5 | 1.1 | -0.6 | 0.8 | 2.4 |
| 9/14/2020 11:12 PM | -0.5 | 1.1 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 11:18 PM | -0.5 | 1.1 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 11:24 PM | -0.5 | 1.1 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 11:30 PM | -0.5 | 1.1 | -0.6 | 0.8 | 2.5 |
| 9/14/2020 11:36 PM | -0.5 | 1.1 | -0.6 | 0.8 | 2.4 |
| 9/14/2020 11:42 PM | -0.5 | 1.1 | -0.6 | 0.7 | 2.4 |
| 9/14/2020 11:48 PM | -0.5 | 1.1 | -0.6 | 0.7 | 2.5 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/14/2020 11:54 PM | -0.5 | 1.1 | -0.6 | 0.4  | 2.9 |
| 9/15/2020 12:00 AM | -0.5 | 1.1 | -0.6 | -0.3 | 3.4 |
| 9/15/2020 12:06 AM | -0.5 | 1.1 | -0.6 | -0.6 | 3.2 |
| 9/15/2020 12:12 AM | -0.5 | 1.1 | -0.6 | -0.6 | 3.1 |
| 9/15/2020 12:18 AM | -0.5 | 1.1 | -0.6 | -0.6 | 3.1 |
| 9/15/2020 12:24 AM | -0.5 | 1.1 | -0.6 | -0.6 | 3.1 |
| 9/15/2020 12:30 AM | -0.5 | 1.1 | -0.6 | -0.6 | 3.0 |
| 9/15/2020 12:36 AM | -0.5 | 1.1 | -0.7 | -0.6 | 2.9 |
| 9/15/2020 12:42 AM | -0.5 | 1.1 | -0.7 | -0.6 | 2.9 |
| 9/15/2020 12:48 AM | -0.5 | 1.1 | -0.7 | -0.5 | 2.9 |
| 9/15/2020 12:54 AM | -0.5 | 1.2 | -0.7 | -0.5 | 2.9 |
| 9/15/2020 1:00 AM  | -0.5 | 1.2 | -0.7 | -0.5 | 2.9 |
| 9/15/2020 1:06 AM  | -0.5 | 1.2 | -0.7 | -0.5 | 2.9 |
| 9/15/2020 1:12 AM  | -0.5 | 1.3 | -0.7 | -0.5 | 2.9 |
| 9/15/2020 1:18 AM  | -0.5 | 1.3 | -0.7 | -0.5 | 2.9 |
| 9/15/2020 1:24 AM  | -0.5 | 1.3 | -0.7 | -0.6 | 2.9 |
| 9/15/2020 1:30 AM  | -0.6 | 1.3 | -0.7 | -0.6 | 2.9 |
| 9/15/2020 1:36 AM  | -0.6 | 1.3 | -0.7 | -0.6 | 2.9 |
| 9/15/2020 1:42 AM  | -0.6 | 1.3 | -0.7 | -0.5 | 2.8 |
| 9/15/2020 1:48 AM  | -0.6 | 1.3 | -0.7 | -0.5 | 2.9 |
| 9/15/2020 1:54 AM  | -0.6 | 1.3 | -0.7 | -0.6 | 2.9 |
| 9/15/2020 2:00 AM  | -0.6 | 1.4 | -0.7 | -0.6 | 2.9 |
| 9/15/2020 2:06 AM  | -0.6 | 1.4 | -0.7 | -0.6 | 2.8 |
| 9/15/2020 2:12 AM  | -0.6 | 1.4 | -0.7 | -0.6 | 2.7 |
| 9/15/2020 2:18 AM  | -0.6 | 1.4 | -0.7 | -0.6 | 2.7 |
| 9/15/2020 2:24 AM  | -0.6 | 1.4 | -0.7 | -0.6 | 2.7 |
| 9/15/2020 2:30 AM  | -0.6 | 1.4 | -0.7 | -0.6 | 2.8 |
| 9/15/2020 2:36 AM  | -0.6 | 1.5 | -0.7 | -0.5 | 2.9 |
| 9/15/2020 2:42 AM  | -0.6 | 1.4 | -0.7 | -0.6 | 2.9 |
| 9/15/2020 2:48 AM  | -0.6 | 1.4 | -0.7 | -0.6 | 2.9 |
| 9/15/2020 2:54 AM  | -0.6 | 1.4 | -0.7 | -0.6 | 2.9 |
| 9/15/2020 3:00 AM  | -0.6 | 1.5 | -0.7 | -0.6 | 2.8 |
| 9/15/2020 3:06 AM  | -0.6 | 1.5 | -0.7 | -0.6 | 2.8 |
| 9/15/2020 3:12 AM  | -0.6 | 1.5 | -0.7 | -0.6 | 2.8 |
| 9/15/2020 3:18 AM  | -0.6 | 1.5 | -0.7 | -0.6 | 2.8 |
| 9/15/2020 3:24 AM  | -0.6 | 1.5 | -0.7 | -0.6 | 2.7 |
| 9/15/2020 3:30 AM  | -0.6 | 1.5 | -0.7 | -0.6 | 2.7 |
| 9/15/2020 3:36 AM  | -0.6 | 1.6 | -0.7 | -0.6 | 2.7 |
| 9/15/2020 3:42 AM  | -0.6 | 1.6 | -0.7 | -0.6 | 2.7 |
| 9/15/2020 3:48 AM  | -0.6 | 1.6 | -0.7 | -0.6 | 2.7 |
| 9/15/2020 3:54 AM  | -0.6 | 1.6 | -0.7 | -0.6 | 2.7 |
| 9/15/2020 4:00 AM  | -0.6 | 1.5 | -0.7 | -0.6 | 2.5 |
| 9/15/2020 4:06 AM  | -0.6 | 1.4 | -0.7 | -0.6 | 2.4 |
| 9/15/2020 4:12 AM  | -0.6 | 1.4 | -0.7 | -0.6 | 2.4 |
| 9/15/2020 4:18 AM  | -0.6 | 1.3 | -0.7 | -0.6 | 2.5 |
| 9/15/2020 4:24 AM  | -0.6 | 1.2 | -0.7 | -0.6 | 2.4 |
| 9/15/2020 4:30 AM  | -0.6 | 1.2 | -0.6 | -0.6 | 2.4 |
| 9/15/2020 4:36 AM  | -0.6 | 1.1 | -0.6 | -0.6 | 2.5 |
| 9/15/2020 4:42 AM  | -0.6 | 1.0 | -0.6 | -0.6 | 2.6 |
| 9/15/2020 4:48 AM  | -0.6 | 1.0 | -0.6 | -0.6 | 2.6 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 9/15/2020 4:54 AM | -0.6 | 1.0  | -0.6 | -0.6 | 2.6 |
| 9/15/2020 5:00 AM | -0.6 | 1.0  | -0.6 | -0.6 | 2.8 |
| 9/15/2020 5:06 AM | -0.6 | 0.9  | -0.6 | -0.6 | 2.7 |
| 9/15/2020 5:12 AM | -0.6 | 0.9  | -0.6 | -0.6 | 2.7 |
| 9/15/2020 5:18 AM | -0.6 | 0.8  | -0.6 | -0.6 | 2.7 |
| 9/15/2020 5:24 AM | -0.6 | 0.8  | -0.6 | -0.6 | 2.7 |
| 9/15/2020 5:30 AM | -0.6 | 0.8  | -0.6 | -0.6 | 2.6 |
| 9/15/2020 5:36 AM | -0.6 | 0.8  | -0.6 | -0.6 | 2.7 |
| 9/15/2020 5:42 AM | -0.6 | 0.9  | -0.6 | -0.6 | 2.7 |
| 9/15/2020 5:48 AM | -0.6 | 1.0  | -0.6 | -0.6 | 2.6 |
| 9/15/2020 5:54 AM | -0.6 | 1.0  | -0.7 | -0.5 | 2.6 |
| 9/15/2020 6:00 AM | -0.6 | 1.1  | -0.7 | -0.5 | 2.5 |
| 9/15/2020 6:06 AM | -0.6 | 1.2  | -0.7 | -0.5 | 2.5 |
| 9/15/2020 6:12 AM | -0.6 | 1.3  | -0.7 | -0.6 | 2.5 |
| 9/15/2020 6:18 AM | -0.6 | 1.4  | -0.8 | -0.5 | 2.5 |
| 9/15/2020 6:24 AM | -0.6 | 1.5  | -0.8 | -0.5 | 2.6 |
| 9/15/2020 6:30 AM | -0.6 | 1.6  | -0.8 | -0.6 | 2.6 |
| 9/15/2020 6:36 AM | -0.6 | 1.7  | -0.9 | -0.5 | 2.6 |
| 9/15/2020 6:42 AM | -0.6 | 1.8  | -0.9 | -0.5 | 2.6 |
| 9/15/2020 6:48 AM | -0.6 | 1.9  | -0.9 | -0.6 | 2.6 |
| 9/15/2020 6:54 AM | -0.6 | 2.0  | -0.9 | -0.6 | 2.6 |
| 9/15/2020 7:00 AM | -0.6 | 2.0  | -0.9 | -0.6 | 2.7 |
| 9/15/2020 7:06 AM | -0.6 | 2.1  | -0.9 | -0.6 | 2.7 |
| 9/15/2020 7:12 AM | -0.6 | 2.1  | -0.9 | -0.6 | 2.7 |
| 9/15/2020 7:18 AM | -0.6 | 2.1  | -0.9 | -0.6 | 3.9 |
| 9/15/2020 7:24 AM | -0.6 | 2.2  | -0.9 | -0.6 | 4.7 |
| 9/15/2020 7:30 AM | -0.6 | 2.2  | -0.8 | -0.6 | 4.6 |
| 9/15/2020 7:36 AM | -0.6 | 2.2  | -0.8 | -0.6 | 4.6 |
| 9/15/2020 7:42 AM | -0.6 | 11.7 | -0.8 | -0.6 | 4.1 |
| 9/15/2020 7:48 AM | -0.6 | 17.0 | -0.8 | -0.6 | 2.9 |
| 9/15/2020 7:54 AM | -0.6 | 10.0 | -0.8 | -0.6 | 2.2 |
| 9/15/2020 8:00 AM | -0.6 | 8.8  | -0.8 | -0.6 | 2.3 |
| 9/15/2020 8:06 AM | -0.6 | 7.0  | -0.8 | -0.6 | 2.4 |
| 9/15/2020 8:12 AM | -0.6 | 4.6  | -0.8 | -0.6 | 2.4 |
| 9/15/2020 8:18 AM | -0.6 | 3.4  | -0.8 | -0.6 | 2.5 |
| 9/15/2020 8:24 AM | -0.6 | 3.1  | -0.8 | -0.6 | 2.5 |
| 9/15/2020 8:30 AM | -0.6 | 3.5  | -0.8 | -0.6 | 2.4 |
| 9/15/2020 8:36 AM | -0.6 | 3.4  | -0.8 | -0.6 | 2.4 |
| 9/15/2020 8:42 AM | -0.6 | 2.9  | -0.8 | -0.6 | 2.4 |
| 9/15/2020 8:48 AM | -0.6 | 2.0  | -0.8 | -0.6 | 2.4 |
| 9/15/2020 8:54 AM | -0.6 | 1.6  | -0.8 | -0.6 | 2.4 |
| 9/15/2020 9:00 AM | -0.5 | 1.2  | -0.8 | -0.6 | 2.4 |
| 9/15/2020 9:06 AM | -0.5 | 0.9  | -0.7 | -0.6 | 2.3 |
| 9/15/2020 9:12 AM | -0.5 | 0.7  | -0.7 | -0.6 | 2.4 |
| 9/15/2020 9:18 AM | -0.5 | 0.6  | -0.7 | -0.6 | 2.4 |
| 9/15/2020 9:24 AM | -0.5 | 0.5  | -0.7 | -0.6 | 2.4 |
| 9/15/2020 9:30 AM | -0.5 | 0.4  | -0.7 | -0.6 | 2.4 |
| 9/15/2020 9:36 AM | -0.5 | 0.3  | -0.7 | -0.6 | 2.5 |
| 9/15/2020 9:42 AM | -0.5 | 0.2  | -0.6 | -0.6 | 2.5 |
| 9/15/2020 9:48 AM | -0.5 | 0.2  | -0.6 | -0.6 | 2.5 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/15/2020 9:54 AM  | -0.5 | 0.2  | -0.5 | -0.6 | 2.5 |
| 9/15/2020 10:00 AM | -0.5 | 0.2  | -0.5 | -0.6 | 2.5 |
| 9/15/2020 10:06 AM | -0.5 | 0.1  | -0.4 | -0.6 | 2.5 |
| 9/15/2020 10:12 AM | -0.5 | 0.1  | -0.3 | -0.6 | 2.5 |
| 9/15/2020 10:18 AM | -0.5 | 0.0  | -0.3 | -0.6 | 2.5 |
| 9/15/2020 10:24 AM | -0.4 | 0.0  | -0.3 | -0.6 | 2.5 |
| 9/15/2020 10:30 AM | -0.4 | 0.0  | -0.4 | -0.6 | 2.5 |
| 9/15/2020 10:36 AM | -0.4 | 0.0  | -0.4 | -0.6 | 2.5 |
| 9/15/2020 10:42 AM | -0.4 | 0.0  | -0.5 | -0.6 | 2.5 |
| 9/15/2020 10:48 AM | -0.4 | 0.0  | -0.4 | -0.6 | 2.5 |
| 9/15/2020 10:54 AM | -0.4 | 0.0  | -0.4 | -0.6 | 2.5 |
| 9/15/2020 11:00 AM | -0.4 | 0.0  | -0.4 | -0.6 | 2.5 |
| 9/15/2020 11:06 AM | -0.4 | 0.0  | -0.4 | -0.6 | 2.5 |
| 9/15/2020 11:12 AM | -0.4 | 0.0  | -0.4 | -0.6 | 2.5 |
| 9/15/2020 11:18 AM | -0.4 | -0.1 | -0.3 | -0.6 | 2.5 |
| 9/15/2020 11:24 AM | -0.4 | -0.1 | -0.3 | -0.6 | 2.5 |
| 9/15/2020 11:30 AM | -0.3 | -0.1 | -0.3 | -0.6 | 2.5 |
| 9/15/2020 11:36 AM | -0.3 | -0.1 | -0.2 | -0.6 | 2.5 |
| 9/15/2020 11:42 AM | -0.3 | -0.1 | -0.2 | -0.6 | 2.5 |
| 9/15/2020 11:48 AM | 2.4  | -0.1 | 0.0  | -0.6 | 2.5 |
| 9/15/2020 11:54 AM | 43.6 | -0.3 | 0.2  | -0.6 | 2.5 |
| 9/15/2020 12:00 PM | 53.6 | -0.6 | 0.3  | -0.5 | 2.6 |
| 9/15/2020 12:06 PM | 16.8 | -1.1 | 0.5  | -0.5 | 2.6 |
| 9/15/2020 12:12 PM | 11.4 | -1.1 | 0.5  | -0.5 | 2.6 |
| 9/15/2020 12:18 PM | 9.3  | -1.0 | 0.5  | 7.2  | 2.7 |
| 9/15/2020 12:24 PM | 7.4  | -1.0 | 0.4  | 6.3  | 2.7 |
| 9/15/2020 12:30 PM | 4.0  | -1.0 | 0.4  | -0.5 | 2.6 |
| 9/15/2020 12:36 PM | 2.0  | -1.0 | 0.3  | -0.6 | 2.4 |
| 9/15/2020 12:42 PM | 1.6  | -1.0 | 0.2  | -0.6 | 2.2 |
| 9/15/2020 12:48 PM | 1.4  | -1.0 | 0.1  | -0.6 | 2.2 |
| 9/15/2020 12:54 PM | 1.2  | -1.0 | 0.0  | -0.6 | 2.2 |
| 9/15/2020 1:00 PM  | 1.2  | -1.1 | 0.0  | -0.5 | 2.2 |
| 9/15/2020 1:06 PM  | 1.1  | -1.1 | -0.1 | -0.5 | 2.2 |
| 9/15/2020 1:12 PM  | 1.1  | -1.1 | -0.1 | -0.5 | 2.3 |
| 9/15/2020 1:18 PM  | 1.0  | -1.0 | 0.0  | -0.5 | 2.3 |
| 9/15/2020 1:24 PM  | 1.0  | -1.0 | 0.1  | -0.6 | 2.3 |
| 9/15/2020 1:30 PM  | 0.9  | -1.0 | 0.2  | -0.6 | 2.3 |
| 9/15/2020 1:36 PM  | 0.8  | -1.0 | 0.3  | -0.6 | 2.2 |
| 9/15/2020 1:42 PM  | 0.8  | -1.0 | 0.3  | -0.6 | 2.2 |
| 9/15/2020 1:48 PM  | 0.8  | -1.0 | 0.3  | -0.6 | 2.2 |
| 9/15/2020 1:54 PM  | 1.0  | -1.0 | 0.3  | -0.5 | 2.3 |
| 9/15/2020 2:00 PM  | 1.2  | -1.0 | 0.3  | -0.5 | 2.3 |
| 9/15/2020 2:06 PM  | 1.3  | -1.0 | 0.3  | -0.5 | 2.3 |
| 9/15/2020 2:12 PM  | 1.4  | -1.0 | 0.2  | -0.5 | 2.3 |
| 9/15/2020 2:18 PM  | 1.4  | -1.0 | 0.1  | -0.5 | 2.2 |
| 9/15/2020 2:24 PM  | 1.4  | -1.0 | 0.0  | -0.5 | 2.2 |
| 9/15/2020 2:30 PM  | 1.4  | -1.0 | 0.0  | -0.5 | 2.3 |
| 9/15/2020 2:36 PM  | 1.3  | -1.0 | -0.1 | -0.5 | 2.3 |
| 9/15/2020 2:42 PM  | 1.3  | -1.0 | -0.1 | -0.5 | 2.4 |
| 9/15/2020 2:48 PM  | 1.2  | -1.0 | -0.2 | -0.5 | 2.4 |



|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 9/15/2020 2:54 PM | 1.1 | -1.0 | -0.2 | -0.5 | 2.4 |
| 9/15/2020 3:00 PM | 1.0 | -1.0 | -0.1 | -0.5 | 2.3 |
| 9/15/2020 3:06 PM | 0.9 | -1.0 | -0.1 | -0.5 | 2.3 |
| 9/15/2020 3:12 PM | 0.8 | -1.0 | 0.0  | -0.5 | 2.4 |
| 9/15/2020 3:18 PM | 0.7 | -1.0 | 0.0  | -0.5 | 2.4 |
| 9/15/2020 3:24 PM | 0.7 | -1.0 | 0.0  | -0.5 | 2.4 |
| 9/15/2020 3:30 PM | 0.7 | -1.0 | 0.0  | -0.5 | 2.3 |
| 9/15/2020 3:36 PM | 0.7 | -1.0 | -0.1 | -0.5 | 2.3 |
| 9/15/2020 3:42 PM | 0.6 | -1.0 | -0.2 | -0.5 | 2.4 |
| 9/15/2020 3:48 PM | 0.6 | -1.0 | -0.2 | -0.5 | 2.4 |
| 9/15/2020 3:54 PM | 0.6 | -1.0 | -0.3 | -0.5 | 2.4 |
| 9/15/2020 4:00 PM | 0.6 | -1.0 | -0.4 | -0.5 | 2.3 |
| 9/15/2020 4:06 PM | 0.6 | -1.0 | -0.4 | -0.5 | 2.3 |
| 9/15/2020 4:12 PM | 0.6 | -1.0 | -0.4 | -0.5 | 2.3 |
| 9/15/2020 4:18 PM | 0.6 | -0.9 | -0.4 | -0.5 | 2.3 |
| 9/15/2020 4:24 PM | 0.6 | -0.9 | -0.4 | -0.5 | 2.3 |
| 9/15/2020 4:30 PM | 0.6 | -1.0 | -0.4 | -0.5 | 2.4 |
| 9/15/2020 4:36 PM | 0.6 | -1.0 | -0.5 | -0.5 | 2.3 |
| 9/15/2020 4:42 PM | 0.6 | -1.0 | -0.5 | -0.5 | 2.3 |
| 9/15/2020 4:48 PM | 0.6 | -1.0 | -0.5 | -0.5 | 2.3 |
| 9/15/2020 4:54 PM | 0.6 | -1.0 | -0.5 | -0.5 | 2.3 |
| 9/15/2020 5:00 PM | 0.6 | -1.0 | -0.5 | -0.5 | 2.3 |
| 9/15/2020 5:06 PM | 0.6 | -1.0 | -0.5 | -0.5 | 2.3 |
| 9/15/2020 5:12 PM | 0.6 | -1.0 | -0.5 | -0.5 | 2.2 |
| 9/15/2020 5:18 PM | 0.6 | -0.9 | -0.6 | -0.5 | 2.3 |
| 9/15/2020 5:24 PM | 0.6 | -0.9 | -0.6 | -0.5 | 2.3 |
| 9/15/2020 5:30 PM | 0.6 | -0.9 | -0.6 | -0.5 | 2.3 |
| 9/15/2020 5:36 PM | 0.6 | -0.9 | -0.6 | -0.5 | 2.3 |
| 9/15/2020 5:42 PM | 0.5 | -1.0 | -0.6 | -0.5 | 2.3 |
| 9/15/2020 5:48 PM | 0.5 | -1.0 | -0.6 | -0.5 | 2.3 |
| 9/15/2020 5:54 PM | 0.5 | -1.0 | -0.6 | -0.5 | 2.4 |
| 9/15/2020 6:00 PM | 0.5 | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 6:06 PM | 0.5 | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 6:12 PM | 0.5 | -1.0 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 6:18 PM | 0.5 | -1.0 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 6:24 PM | 0.5 | -1.0 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 6:30 PM | 0.5 | -1.0 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 6:36 PM | 0.5 | -1.0 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 6:42 PM | 0.5 | -1.0 | -0.7 | -0.5 | 2.3 |
| 9/15/2020 6:48 PM | 0.5 | -1.0 | -0.7 | -0.5 | 2.3 |
| 9/15/2020 6:54 PM | 0.5 | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 7:00 PM | 0.5 | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 7:06 PM | 0.5 | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 7:12 PM | 0.5 | -0.9 | -0.7 | -0.5 | 2.3 |
| 9/15/2020 7:18 PM | 0.5 | -0.9 | -0.7 | -0.5 | 2.3 |
| 9/15/2020 7:24 PM | 0.5 | -1.0 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 7:30 PM | 0.9 | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 7:36 PM | 1.1 | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 7:42 PM | 1.0 | -0.9 | -0.7 | -0.4 | 2.5 |
| 9/15/2020 7:48 PM | 1.0 | -0.9 | -0.7 | -0.4 | 2.4 |



|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/15/2020 7:54 PM  | 0.9  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 8:00 PM  | 0.9  | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 8:06 PM  | 0.8  | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 8:12 PM  | 0.8  | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 8:18 PM  | 0.7  | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 8:24 PM  | 0.6  | -0.9 | -0.7 | -0.5 | 2.5 |
| 9/15/2020 8:30 PM  | 0.6  | -0.9 | -0.7 | -0.5 | 2.5 |
| 9/15/2020 8:36 PM  | 0.5  | -0.9 | -0.7 | -0.5 | 2.4 |
| 9/15/2020 8:42 PM  | 0.5  | -0.9 | -0.7 | -0.5 | 2.5 |
| 9/15/2020 8:48 PM  | 0.5  | -0.9 | -0.7 | -0.4 | 2.4 |
| 9/15/2020 8:54 PM  | 0.4  | -0.9 | -0.7 | -0.4 | 2.5 |
| 9/15/2020 9:00 PM  | 0.5  | -0.9 | -0.7 | -0.4 | 2.5 |
| 9/15/2020 9:06 PM  | 0.4  | -0.9 | -0.7 | -0.5 | 2.5 |
| 9/15/2020 9:12 PM  | 0.4  | -0.9 | -0.7 | -0.5 | 2.5 |
| 9/15/2020 9:18 PM  | 0.4  | -0.9 | -0.7 | -0.4 | 2.5 |
| 9/15/2020 9:24 PM  | 0.4  | -0.9 | -0.7 | -0.4 | 2.4 |
| 9/15/2020 9:30 PM  | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 9:36 PM  | 0.4  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 9:42 PM  | 0.4  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 9:48 PM  | 0.4  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 9:54 PM  | 0.4  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 10:00 PM | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 10:06 PM | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 10:12 PM | 0.4  | -0.9 | -0.7 | -0.4 | 2.2 |
| 9/15/2020 10:18 PM | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 10:24 PM | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 10:30 PM | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 10:36 PM | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 10:42 PM | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 10:48 PM | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 10:54 PM | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 11:00 PM | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 11:06 PM | 0.3  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 11:12 PM | 0.3  | -0.8 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 11:18 PM | 0.4  | -0.9 | -0.7 | -0.4 | 2.2 |
| 9/15/2020 11:24 PM | 0.4  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 11:30 PM | 0.4  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 11:36 PM | 0.5  | -0.8 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 11:42 PM | 0.5  | -0.8 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 11:48 PM | 0.5  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/15/2020 11:54 PM | 0.5  | -0.9 | -0.7 | -0.4 | 2.3 |
| 9/16/2020 12:00 AM | 0.5  | -0.9 | -0.7 | -0.4 | 2.7 |
| 9/16/2020 12:06 AM | 0.2  | -0.8 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 12:12 AM | -0.2 | -0.8 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 12:18 AM | -0.3 | -0.8 | -0.7 | -0.4 | 3.3 |
| 9/16/2020 12:24 AM | -0.2 | -0.8 | -0.7 | -0.4 | 3.2 |
| 9/16/2020 12:30 AM | -0.2 | -0.9 | -0.8 | -0.4 | 3.2 |
| 9/16/2020 12:36 AM | -0.2 | -0.9 | -0.8 | -0.4 | 3.2 |
| 9/16/2020 12:42 AM | -0.3 | -0.8 | -0.8 | -0.4 | 3.2 |
| 9/16/2020 12:48 AM | -0.3 | -0.8 | -0.8 | -0.4 | 3.2 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/16/2020 12:54 AM | -0.3 | -0.8 | -0.8 | -0.4 | 3.1 |
| 9/16/2020 1:00 AM  | -0.3 | -0.8 | -0.8 | -0.4 | 3.1 |
| 9/16/2020 1:06 AM  | -0.3 | -0.8 | -0.8 | -0.4 | 3.1 |
| 9/16/2020 1:12 AM  | -0.2 | -0.8 | -0.8 | -0.4 | 3.3 |
| 9/16/2020 1:18 AM  | -0.3 | -0.8 | -0.8 | -0.4 | 3.6 |
| 9/16/2020 1:24 AM  | -0.3 | -0.8 | -0.7 | -0.4 | 3.6 |
| 9/16/2020 1:30 AM  | -0.3 | -0.8 | -0.7 | -0.4 | 3.5 |
| 9/16/2020 1:36 AM  | -0.3 | -0.8 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 1:42 AM  | -0.3 | -0.8 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 1:48 AM  | -0.2 | -0.8 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 1:54 AM  | -0.2 | -0.8 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 2:00 AM  | -0.3 | -0.8 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 2:06 AM  | -0.3 | -0.8 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 2:12 AM  | -0.3 | -0.8 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 2:18 AM  | -0.3 | -0.8 | -0.7 | -0.4 | 3.3 |
| 9/16/2020 2:24 AM  | -0.3 | -0.8 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 2:30 AM  | -0.2 | -0.8 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 2:36 AM  | -0.2 | -0.8 | -0.7 | -0.4 | 3.5 |
| 9/16/2020 2:42 AM  | -0.2 | -0.8 | -0.7 | -0.4 | 3.5 |
| 9/16/2020 2:48 AM  | -0.2 | -0.7 | -0.7 | -0.4 | 3.5 |
| 9/16/2020 2:54 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.6 |
| 9/16/2020 3:00 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.5 |
| 9/16/2020 3:06 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.5 |
| 9/16/2020 3:12 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.4 |
| 9/16/2020 3:18 AM  | -0.2 | -0.7 | -0.7 | -0.4 | 3.5 |
| 9/16/2020 3:24 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.5 |
| 9/16/2020 3:30 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.5 |
| 9/16/2020 3:36 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.5 |
| 9/16/2020 3:42 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.6 |
| 9/16/2020 3:48 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.6 |
| 9/16/2020 3:54 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.6 |
| 9/16/2020 4:00 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.6 |
| 9/16/2020 4:06 AM  | -0.2 | -0.7 | -0.7 | -0.4 | 3.6 |
| 9/16/2020 4:12 AM  | -0.2 | -0.7 | -0.7 | -0.4 | 3.6 |
| 9/16/2020 4:18 AM  | -0.3 | -0.7 | -0.7 | -0.4 | 3.6 |
| 9/16/2020 4:24 AM  | -0.3 | -0.7 | -0.7 | -0.3 | 3.6 |
| 9/16/2020 4:30 AM  | -0.3 | -0.7 | -0.7 | -0.3 | 3.5 |
| 9/16/2020 4:36 AM  | -0.3 | -0.7 | -0.7 | -0.3 | 3.2 |
| 9/16/2020 4:42 AM  | -0.3 | -0.7 | -0.7 | -0.3 | 2.8 |
| 9/16/2020 4:48 AM  | -0.3 | -0.6 | -0.7 | -0.3 | 2.6 |
| 9/16/2020 4:54 AM  | -0.3 | -0.6 | -0.7 | -0.3 | 2.6 |
| 9/16/2020 5:00 AM  | -0.2 | -0.6 | -0.7 | -0.3 | 2.7 |
| 9/16/2020 5:06 AM  | -0.3 | -0.6 | -0.7 | -0.3 | 2.7 |
| 9/16/2020 5:12 AM  | -0.3 | -0.6 | -0.7 | -0.3 | 2.8 |
| 9/16/2020 5:18 AM  | -0.3 | -0.6 | -0.7 | -0.3 | 2.7 |
| 9/16/2020 5:24 AM  | -0.3 | -0.6 | -0.7 | -0.4 | 2.7 |
| 9/16/2020 5:30 AM  | -0.3 | -0.6 | -0.7 | -0.4 | 2.7 |
| 9/16/2020 5:36 AM  | -0.2 | -0.6 | -0.7 | -0.3 | 2.7 |
| 9/16/2020 5:42 AM  | -0.2 | -0.6 | -0.7 | -0.3 | 2.7 |
| 9/16/2020 5:48 AM  | -0.3 | -0.6 | -0.7 | -0.3 | 2.7 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/16/2020 5:54 AM  | -0.3 | -0.6 | -0.7 | -0.3 | 2.7 |
| 9/16/2020 6:00 AM  | -0.2 | -0.6 | -0.7 | -0.3 | 2.7 |
| 9/16/2020 6:06 AM  | -0.3 | -0.5 | -0.8 | -0.3 | 2.7 |
| 9/16/2020 6:12 AM  | -0.3 | -0.5 | -0.8 | -0.3 | 2.8 |
| 9/16/2020 6:18 AM  | -0.3 | -0.5 | -0.8 | -0.3 | 2.8 |
| 9/16/2020 6:24 AM  | -0.3 | -0.5 | -0.9 | -0.3 | 2.8 |
| 9/16/2020 6:30 AM  | -0.3 | -0.5 | -0.9 | -0.3 | 2.7 |
| 9/16/2020 6:36 AM  | -0.3 | -0.5 | -1.0 | -0.3 | 2.7 |
| 9/16/2020 6:42 AM  | -0.3 | -0.4 | -1.0 | -0.3 | 3.1 |
| 9/16/2020 6:48 AM  | -0.3 | -0.4 | -1.0 | -0.3 | 4.2 |
| 9/16/2020 6:54 AM  | -0.3 | -0.5 | -1.0 | -0.3 | 4.3 |
| 9/16/2020 7:00 AM  | -0.3 | -0.4 | -1.0 | -0.3 | 4.2 |
| 9/16/2020 7:06 AM  | -0.2 | -0.4 | -1.0 | -0.3 | 4.2 |
| 9/16/2020 7:12 AM  | -0.2 | -0.4 | -1.0 | -0.4 | 4.1 |
| 9/16/2020 7:18 AM  | -0.2 | -0.4 | -1.0 | 6.5  | 3.9 |
| 9/16/2020 7:24 AM  | -0.2 | -0.4 | -1.0 | 13.9 | 3.1 |
| 9/16/2020 7:30 AM  | -0.2 | -0.3 | -0.9 | 10.0 | 2.2 |
| 9/16/2020 7:36 AM  | -0.2 | -0.3 | -0.9 | 5.3  | 2.3 |
| 9/16/2020 7:42 AM  | -0.2 | -0.3 | -0.9 | 4.8  | 2.4 |
| 9/16/2020 7:48 AM  | -0.2 | -0.3 | -0.9 | 4.1  | 2.4 |
| 9/16/2020 7:54 AM  | -0.2 | -0.3 | -0.8 | 2.6  | 2.4 |
| 9/16/2020 8:00 AM  | -0.2 | 0.2  | -0.8 | 2.1  | 2.4 |
| 9/16/2020 8:06 AM  | -0.2 | 11.0 | -0.8 | 2.0  | 1.8 |
| 9/16/2020 8:12 AM  | -0.2 | 10.7 | -0.8 | 1.9  | 0.4 |
| 9/16/2020 8:18 AM  | -0.1 | 5.7  | -0.8 | 2.0  | 0.1 |
| 9/16/2020 8:24 AM  | -0.1 | 3.3  | -0.8 | 2.0  | 0.1 |
| 9/16/2020 8:30 AM  | -0.2 | 2.4  | -0.8 | 2.0  | 0.1 |
| 9/16/2020 8:36 AM  | -0.1 | 2.2  | -0.8 | 2.1  | 0.0 |
| 9/16/2020 8:42 AM  | -0.2 | 2.2  | -0.8 | 2.3  | 0.0 |
| 9/16/2020 8:48 AM  | -0.1 | 2.3  | -0.8 | 2.3  | 0.0 |
| 9/16/2020 8:54 AM  | -0.1 | 2.2  | -0.8 | 2.4  | 0.0 |
| 9/16/2020 9:00 AM  | -0.2 | 1.8  | -0.8 | 2.4  | 0.0 |
| 9/16/2020 9:06 AM  | -0.1 | 1.4  | -0.7 | 2.3  | 0.0 |
| 9/16/2020 9:12 AM  | -0.1 | 1.1  | -0.7 | 2.2  | 0.0 |
| 9/16/2020 9:18 AM  | -0.1 | 0.9  | -0.7 | 2.2  | 0.0 |
| 9/16/2020 9:24 AM  | -0.1 | 0.8  | -0.7 | 2.0  | 0.0 |
| 9/16/2020 9:30 AM  | -0.1 | 0.7  | -0.7 | 1.8  | 0.0 |
| 9/16/2020 9:36 AM  | -0.1 | 0.5  | -0.7 | 1.8  | 0.0 |
| 9/16/2020 9:42 AM  | -0.1 | 0.4  | -0.7 | 1.8  | 0.0 |
| 9/16/2020 9:48 AM  | -0.1 | 0.4  | -0.6 | 1.7  | 0.0 |
| 9/16/2020 9:54 AM  | -0.1 | 0.3  | -0.6 | 1.4  | 0.0 |
| 9/16/2020 10:00 AM | -0.1 | 0.3  | -0.6 | 1.3  | 0.0 |
| 9/16/2020 10:06 AM | -0.1 | 0.3  | -0.5 | 1.3  | 0.0 |
| 9/16/2020 10:12 AM | -0.1 | 0.2  | -0.5 | 1.3  | 0.0 |
| 9/16/2020 10:18 AM | -0.1 | 0.3  | -0.5 | 1.3  | 0.0 |
| 9/16/2020 10:24 AM | -0.1 | 0.3  | -0.5 | 1.3  | 0.0 |
| 9/16/2020 10:30 AM | -0.1 | 0.3  | -0.6 | 1.2  | 0.0 |
| 9/16/2020 10:36 AM | -0.1 | 0.2  | -0.6 | 1.1  | 0.0 |
| 9/16/2020 10:42 AM | -0.1 | 0.2  | -0.6 | 1.1  | 0.0 |
| 9/16/2020 10:48 AM | -0.1 | 0.2  | -0.6 | 1.2  | 0.0 |

|                    |      |     |      |     |      |
|--------------------|------|-----|------|-----|------|
| 9/16/2020 10:54 AM | -0.1 | 0.2 | -0.6 | 1.2 | 0.0  |
| 9/16/2020 11:00 AM | 0.0  | 0.2 | -0.6 | 1.2 | 0.0  |
| 9/16/2020 11:06 AM | -0.1 | 0.2 | -0.5 | 1.2 | 0.0  |
| 9/16/2020 11:12 AM | -0.1 | 0.2 | -0.5 | 1.2 | 0.0  |
| 9/16/2020 11:18 AM | -0.1 | 0.2 | -0.5 | 1.2 | 0.0  |
| 9/16/2020 11:24 AM | -0.1 | 0.2 | -0.5 | 1.2 | 2.6  |
| 9/16/2020 11:30 AM | 0.0  | 0.2 | -0.5 | 1.2 | 3.7  |
| 9/16/2020 11:36 AM | 0.0  | 0.2 | -0.5 | 1.2 | 0.8  |
| 9/16/2020 11:42 AM | 0.0  | 0.2 | -0.4 | 1.2 | 0.0  |
| 9/16/2020 11:48 AM | 0.0  | 0.2 | -0.3 | 1.2 | 0.0  |
| 9/16/2020 11:54 AM | 0.0  | 0.2 | -0.2 | 1.2 | 0.0  |
| 9/16/2020 12:00 PM | 0.0  | 0.2 | -0.2 | 1.2 | 0.0  |
| 9/16/2020 12:06 PM | 0.0  | 0.2 | -0.2 | 1.2 | -0.1 |
| 9/16/2020 12:12 PM | 0.0  | 0.2 | -0.2 | 1.2 | -0.1 |
| 9/16/2020 12:18 PM | -0.1 | 0.2 | -0.2 | 1.2 | -0.1 |
| 9/16/2020 12:24 PM | -0.1 | 0.2 | -0.3 | 1.2 | -0.1 |
| 9/16/2020 12:30 PM | -0.1 | 0.2 | -0.3 | 1.2 | -0.1 |
| 9/16/2020 12:36 PM | -0.1 | 0.2 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 12:42 PM | -0.1 | 0.2 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 12:48 PM | -0.1 | 0.2 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 12:54 PM | -0.1 | 0.2 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 1:00 PM  | -0.1 | 0.3 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 1:06 PM  | -0.1 | 0.3 | -0.5 | 1.1 | -0.1 |
| 9/16/2020 1:12 PM  | -0.1 | 0.2 | -0.5 | 1.1 | -0.1 |
| 9/16/2020 1:18 PM  | -0.1 | 0.2 | -0.5 | 1.1 | -0.1 |
| 9/16/2020 1:24 PM  | -0.1 | 0.2 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 1:30 PM  | -0.1 | 0.2 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 1:36 PM  | -0.1 | 0.1 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 1:42 PM  | -0.1 | 0.1 | -0.3 | 1.2 | -0.1 |
| 9/16/2020 1:48 PM  | -0.1 | 0.1 | -0.3 | 1.1 | -0.1 |
| 9/16/2020 1:54 PM  | -0.1 | 0.1 | -0.2 | 1.2 | -0.1 |
| 9/16/2020 2:00 PM  | -0.1 | 0.1 | -0.2 | 1.2 | -0.1 |
| 9/16/2020 2:06 PM  | -0.1 | 0.1 | -0.2 | 1.2 | -0.1 |
| 9/16/2020 2:12 PM  | -0.1 | 0.0 | -0.3 | 1.2 | -0.1 |
| 9/16/2020 2:18 PM  | -0.1 | 0.1 | -0.3 | 1.2 | -0.1 |
| 9/16/2020 2:24 PM  | 0.0  | 0.1 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 2:30 PM  | 0.0  | 0.1 | -0.4 | 1.1 | -0.1 |
| 9/16/2020 2:36 PM  | 0.0  | 0.1 | -0.4 | 1.1 | -0.1 |
| 9/16/2020 2:42 PM  | 0.0  | 0.1 | -0.4 | 1.1 | -0.1 |
| 9/16/2020 2:48 PM  | 0.0  | 0.1 | -0.4 | 1.1 | -0.1 |
| 9/16/2020 2:54 PM  | 0.0  | 0.2 | -0.4 | 1.1 | -0.1 |
| 9/16/2020 3:00 PM  | -0.1 | 0.2 | -0.4 | 1.1 | -0.1 |
| 9/16/2020 3:06 PM  | -0.1 | 0.2 | -0.3 | 1.2 | -0.1 |
| 9/16/2020 3:12 PM  | 0.0  | 0.2 | -0.3 | 1.1 | -0.1 |
| 9/16/2020 3:18 PM  | 0.0  | 0.2 | -0.3 | 1.2 | -0.1 |
| 9/16/2020 3:24 PM  | -0.1 | 0.2 | -0.2 | 1.2 | -0.1 |
| 9/16/2020 3:30 PM  | -0.1 | 0.2 | -0.3 | 1.2 | -0.1 |
| 9/16/2020 3:36 PM  | 0.0  | 0.2 | -0.3 | 1.2 | -0.1 |
| 9/16/2020 3:42 PM  | -0.1 | 0.2 | -0.3 | 1.1 | -0.1 |
| 9/16/2020 3:48 PM  | -0.1 | 0.2 | -0.4 | 1.2 | -0.1 |

|                   |      |     |      |     |      |
|-------------------|------|-----|------|-----|------|
| 9/16/2020 3:54 PM | 0.0  | 0.2 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 4:00 PM | 0.0  | 0.2 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 4:06 PM | 0.0  | 0.2 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 4:12 PM | -0.1 | 0.2 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 4:18 PM | -0.1 | 0.2 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 4:24 PM | -0.1 | 0.1 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 4:30 PM | 0.0  | 0.1 | -0.4 | 1.3 | -0.1 |
| 9/16/2020 4:36 PM | -0.1 | 0.1 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 4:42 PM | -0.1 | 0.1 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 4:48 PM | -0.1 | 0.1 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 4:54 PM | -0.1 | 0.1 | -0.4 | 1.2 | -0.1 |
| 9/16/2020 5:00 PM | -0.1 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 5:06 PM | -0.1 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 5:12 PM | -0.1 | 0.1 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 5:18 PM | -0.1 | 0.1 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 5:24 PM | -0.1 | 0.1 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 5:30 PM | -0.1 | 0.0 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 5:36 PM | -0.1 | 0.0 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 5:42 PM | -0.1 | 0.1 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 5:48 PM | -0.1 | 0.1 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 5:54 PM | -0.1 | 0.1 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 6:00 PM | -0.1 | 0.1 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 6:06 PM | -0.1 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 6:12 PM | -0.1 | 0.0 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 6:18 PM | -0.1 | 0.0 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 6:24 PM | -0.1 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 6:30 PM | -0.1 | 0.1 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 6:36 PM | -0.1 | 0.1 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 6:42 PM | -0.1 | 0.1 | -0.5 | 1.2 | -0.1 |
| 9/16/2020 6:48 PM | -0.1 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 6:54 PM | -0.1 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 7:00 PM | -0.1 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 7:06 PM | -0.1 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 7:12 PM | -0.1 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 7:18 PM | -0.1 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 7:24 PM | -0.1 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 7:30 PM | -0.1 | 0.1 | -0.5 | 1.4 | -0.1 |
| 9/16/2020 7:36 PM | -0.1 | 0.1 | -0.5 | 1.4 | -0.1 |
| 9/16/2020 7:42 PM | -0.1 | 0.1 | -0.5 | 1.4 | -0.1 |
| 9/16/2020 7:48 PM | -0.2 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 7:54 PM | -0.2 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 8:00 PM | -0.2 | 0.1 | -0.5 | 1.4 | -0.1 |
| 9/16/2020 8:06 PM | -0.2 | 0.1 | -0.5 | 1.4 | -0.1 |
| 9/16/2020 8:12 PM | -0.2 | 0.1 | -0.5 | 1.4 | -0.1 |
| 9/16/2020 8:18 PM | -0.2 | 0.1 | -0.5 | 1.5 | -0.1 |
| 9/16/2020 8:24 PM | -0.2 | 0.1 | -0.5 | 1.4 | -0.1 |
| 9/16/2020 8:30 PM | -0.2 | 0.1 | -0.5 | 1.4 | -0.1 |
| 9/16/2020 8:36 PM | -0.2 | 0.1 | -0.5 | 1.4 | -0.1 |
| 9/16/2020 8:42 PM | -0.2 | 0.1 | -0.5 | 1.3 | -0.1 |
| 9/16/2020 8:48 PM | -0.2 | 0.1 | -0.5 | 1.3 | -0.1 |

|                    |      |      |      |     |      |
|--------------------|------|------|------|-----|------|
| 9/16/2020 8:54 PM  | -0.2 | 0.1  | -0.5 | 1.4 | -0.1 |
| 9/16/2020 9:00 PM  | -0.2 | 0.1  | -0.5 | 1.4 | -0.1 |
| 9/16/2020 9:06 PM  | -0.2 | 0.1  | -0.5 | 1.4 | -0.1 |
| 9/16/2020 9:12 PM  | -0.2 | 0.1  | -0.5 | 1.4 | -0.1 |
| 9/16/2020 9:18 PM  | -0.2 | 0.1  | -0.5 | 1.4 | -0.1 |
| 9/16/2020 9:24 PM  | -0.2 | 0.1  | -0.5 | 1.4 | -0.1 |
| 9/16/2020 9:30 PM  | -0.2 | 0.1  | -0.5 | 1.6 | -0.1 |
| 9/16/2020 9:36 PM  | -0.2 | 0.1  | -0.5 | 1.7 | -0.1 |
| 9/16/2020 9:42 PM  | -0.2 | 0.1  | -0.5 | 1.7 | -0.1 |
| 9/16/2020 9:48 PM  | -0.2 | 0.1  | -0.5 | 1.6 | -0.1 |
| 9/16/2020 9:54 PM  | -0.2 | 0.1  | -0.5 | 1.6 | -0.1 |
| 9/16/2020 10:00 PM | -0.2 | 0.2  | -0.5 | 1.6 | -0.1 |
| 9/16/2020 10:06 PM | -0.2 | 0.2  | -0.5 | 1.6 | -0.1 |
| 9/16/2020 10:12 PM | -0.2 | 0.2  | -0.5 | 1.6 | -0.1 |
| 9/16/2020 10:18 PM | -0.2 | 0.2  | -0.6 | 1.6 | -0.1 |
| 9/16/2020 10:24 PM | -0.2 | 0.1  | -0.6 | 1.7 | -0.1 |
| 9/16/2020 10:30 PM | -0.2 | 0.2  | -0.6 | 1.6 | -0.1 |
| 9/16/2020 10:36 PM | -0.2 | 0.2  | -0.6 | 1.7 | -0.1 |
| 9/16/2020 10:42 PM | -0.2 | 0.2  | -0.6 | 1.6 | -0.1 |
| 9/16/2020 10:48 PM | -0.2 | 0.1  | -0.6 | 1.5 | -0.1 |
| 9/16/2020 10:54 PM | -0.2 | 0.2  | -0.6 | 1.5 | -0.1 |
| 9/16/2020 11:00 PM | -0.2 | 0.1  | -0.6 | 1.5 | -0.1 |
| 9/16/2020 11:06 PM | -0.2 | 0.1  | -0.6 | 1.5 | -0.1 |
| 9/16/2020 11:12 PM | -0.2 | 0.1  | -0.6 | 1.5 | -0.1 |
| 9/16/2020 11:18 PM | -0.2 | 0.1  | -0.6 | 1.5 | -0.1 |
| 9/16/2020 11:24 PM | -0.2 | 0.1  | -0.6 | 1.5 | -0.1 |
| 9/16/2020 11:30 PM | -0.2 | 0.1  | -0.6 | 1.5 | -0.1 |
| 9/16/2020 11:36 PM | -0.2 | 0.1  | -0.6 | 1.5 | -0.1 |
| 9/16/2020 11:42 PM | -0.2 | 0.1  | -0.6 | 1.5 | -0.1 |
| 9/16/2020 11:48 PM | -0.2 | 0.1  | -0.6 | 1.5 | -0.1 |
| 9/16/2020 11:54 PM | -0.2 | 0.1  | -0.6 | 1.4 | 0.0  |
| 9/17/2020 12:00 AM | -0.2 | 0.1  | -0.6 | 1.4 | -0.1 |
| 9/17/2020 12:06 AM | -0.2 | 0.0  | -0.6 | 1.4 | -0.1 |
| 9/17/2020 12:12 AM | -0.2 | -0.2 | -0.6 | 3.1 | -0.1 |
| 9/17/2020 12:18 AM | -0.2 | -0.6 | -0.6 | 5.2 | -0.1 |
| 9/17/2020 12:24 AM | -0.2 | -0.5 | -0.6 | 4.9 | -0.1 |
| 9/17/2020 12:30 AM | -0.2 | -0.5 | -0.6 | 4.8 | -0.1 |
| 9/17/2020 12:36 AM | -0.2 | -0.7 | -0.6 | 4.8 | -0.1 |
| 9/17/2020 12:42 AM | -0.2 | -0.8 | -0.6 | 4.6 | -0.1 |
| 9/17/2020 12:48 AM | -0.2 | -0.8 | -0.6 | 4.6 | -0.1 |
| 9/17/2020 12:54 AM | -0.2 | -0.8 | -0.6 | 4.5 | -0.1 |
| 9/17/2020 1:00 AM  | -0.2 | -0.9 | -0.6 | 4.6 | 0.0  |
| 9/17/2020 1:06 AM  | -0.2 | -0.9 | -0.6 | 4.5 | 0.0  |
| 9/17/2020 1:12 AM  | -0.2 | -0.9 | -0.6 | 4.4 | 0.0  |
| 9/17/2020 1:18 AM  | -0.2 | -0.9 | -0.6 | 4.6 | 0.0  |
| 9/17/2020 1:24 AM  | -0.2 | -0.9 | -0.6 | 4.5 | 0.0  |
| 9/17/2020 1:30 AM  | -0.2 | -0.9 | -0.6 | 4.5 | 0.0  |
| 9/17/2020 1:36 AM  | -0.2 | -0.9 | -0.6 | 4.4 | -0.1 |
| 9/17/2020 1:42 AM  | -0.2 | -0.9 | -0.6 | 4.4 | 0.0  |
| 9/17/2020 1:48 AM  | -0.2 | -0.9 | -0.6 | 4.4 | 0.0  |

|                   |      |      |      |     |      |
|-------------------|------|------|------|-----|------|
| 9/17/2020 1:54 AM | -0.2 | -0.9 | -0.6 | 4.3 | 0.0  |
| 9/17/2020 2:00 AM | -0.2 | -0.9 | -0.6 | 4.4 | 0.0  |
| 9/17/2020 2:06 AM | -0.2 | -0.9 | -0.6 | 4.2 | 0.0  |
| 9/17/2020 2:12 AM | -0.2 | -0.8 | -0.6 | 3.9 | 0.0  |
| 9/17/2020 2:18 AM | -0.2 | -0.9 | -0.6 | 4.0 | 0.0  |
| 9/17/2020 2:24 AM | -0.2 | -0.8 | -0.6 | 4.0 | -0.1 |
| 9/17/2020 2:30 AM | -0.2 | -0.9 | -0.6 | 4.1 | 0.0  |
| 9/17/2020 2:36 AM | -0.2 | -0.9 | -0.6 | 4.1 | 0.0  |
| 9/17/2020 2:42 AM | -0.2 | -0.9 | -0.6 | 4.0 | -0.1 |
| 9/17/2020 2:48 AM | -0.2 | -0.8 | -0.5 | 4.0 | -0.1 |
| 9/17/2020 2:54 AM | -0.2 | -0.8 | -0.5 | 4.0 | 0.0  |
| 9/17/2020 3:00 AM | -0.2 | -0.8 | -0.5 | 3.9 | 0.0  |
| 9/17/2020 3:06 AM | -0.2 | -0.9 | -0.5 | 3.7 | 0.0  |
| 9/17/2020 3:12 AM | -0.2 | -0.8 | -0.5 | 3.8 | 0.0  |
| 9/17/2020 3:18 AM | -0.2 | -0.8 | -0.5 | 3.8 | 0.0  |
| 9/17/2020 3:24 AM | -0.2 | -0.8 | -0.5 | 3.7 | 0.0  |
| 9/17/2020 3:30 AM | -0.2 | -0.8 | -0.5 | 3.7 | 0.0  |
| 9/17/2020 3:36 AM | -0.2 | -0.8 | -0.5 | 3.7 | 0.0  |
| 9/17/2020 3:42 AM | -0.2 | -0.8 | -0.5 | 3.7 | 0.0  |
| 9/17/2020 3:48 AM | -0.2 | -0.8 | -0.5 | 3.7 | 0.0  |
| 9/17/2020 3:54 AM | -0.2 | -0.8 | -0.5 | 3.6 | 0.0  |
| 9/17/2020 4:00 AM | -0.2 | -0.8 | -0.5 | 3.6 | 0.0  |
| 9/17/2020 4:06 AM | -0.2 | -0.8 | -0.6 | 3.5 | 0.0  |
| 9/17/2020 4:12 AM | -0.2 | -0.8 | -0.6 | 3.4 | 0.0  |
| 9/17/2020 4:18 AM | -0.2 | -0.8 | -0.6 | 3.4 | 0.0  |
| 9/17/2020 4:24 AM | -0.2 | -0.8 | -0.6 | 3.3 | 0.0  |
| 9/17/2020 4:30 AM | -0.2 | -0.8 | -0.6 | 3.3 | 0.0  |
| 9/17/2020 4:36 AM | -0.2 | -0.8 | -0.6 | 3.3 | 0.0  |
| 9/17/2020 4:42 AM | -0.2 | -0.8 | -0.6 | 3.3 | 0.0  |
| 9/17/2020 4:48 AM | -0.2 | -0.8 | -0.6 | 3.4 | 0.0  |
| 9/17/2020 4:54 AM | -0.2 | -0.8 | -0.6 | 3.5 | 0.0  |
| 9/17/2020 5:00 AM | -0.2 | -0.8 | -0.6 | 3.5 | 0.0  |
| 9/17/2020 5:06 AM | -0.2 | -0.8 | -0.6 | 3.4 | 0.0  |
| 9/17/2020 5:12 AM | -0.2 | -0.8 | -0.6 | 3.4 | 0.0  |
| 9/17/2020 5:18 AM | -0.2 | -0.8 | -0.6 | 3.3 | 0.0  |
| 9/17/2020 5:24 AM | -0.2 | -0.8 | -0.6 | 3.3 | 0.0  |
| 9/17/2020 5:30 AM | -0.2 | -0.8 | -0.6 | 3.3 | 0.0  |
| 9/17/2020 5:36 AM | -0.2 | -0.8 | -0.6 | 3.4 | 0.0  |
| 9/17/2020 5:42 AM | -0.2 | -0.8 | -0.7 | 3.4 | 0.0  |
| 9/17/2020 5:48 AM | -0.2 | -0.7 | -0.7 | 3.3 | 0.0  |
| 9/17/2020 5:54 AM | -0.2 | -0.7 | -0.6 | 3.4 | 0.0  |
| 9/17/2020 6:00 AM | -0.2 | -0.7 | -0.6 | 3.4 | 0.0  |
| 9/17/2020 6:06 AM | -0.2 | -0.7 | -0.6 | 3.4 | 0.0  |
| 9/17/2020 6:12 AM | -0.2 | -0.7 | -0.7 | 3.4 | 0.0  |
| 9/17/2020 6:18 AM | -0.2 | -0.7 | -0.7 | 3.5 | 0.0  |
| 9/17/2020 6:24 AM | -0.2 | -0.7 | -0.7 | 3.4 | 0.0  |
| 9/17/2020 6:30 AM | -0.2 | -0.8 | -0.7 | 3.2 | 0.0  |
| 9/17/2020 6:36 AM | -0.2 | -0.7 | -0.7 | 3.3 | 0.0  |
| 9/17/2020 6:42 AM | -0.2 | -0.7 | -0.7 | 3.3 | 0.0  |
| 9/17/2020 6:48 AM | -0.2 | -0.7 | -0.7 | 3.2 | 0.0  |

|                    |      |      |      |     |      |
|--------------------|------|------|------|-----|------|
| 9/17/2020 6:54 AM  | -0.2 | -0.7 | -0.8 | 3.3 | 0.0  |
| 9/17/2020 7:00 AM  | -0.2 | -0.7 | -0.8 | 3.5 | 0.0  |
| 9/17/2020 7:06 AM  | -0.2 | -0.7 | -0.8 | 3.4 | 0.0  |
| 9/17/2020 7:12 AM  | -0.2 | -0.7 | -0.8 | 3.2 | 0.0  |
| 9/17/2020 7:18 AM  | -0.2 | -0.7 | -0.8 | 3.2 | 0.0  |
| 9/17/2020 7:24 AM  | -0.2 | -0.7 | -0.8 | 3.2 | 0.0  |
| 9/17/2020 7:30 AM  | -0.2 | -0.7 | -0.8 | 3.2 | 0.0  |
| 9/17/2020 7:36 AM  | -0.2 | -0.7 | -0.8 | 3.4 | 0.0  |
| 9/17/2020 7:42 AM  | -0.2 | -0.7 | -0.8 | 3.5 | 0.0  |
| 9/17/2020 7:48 AM  | -0.2 | -0.7 | -0.8 | 3.5 | 0.0  |
| 9/17/2020 7:54 AM  | -0.2 | -0.7 | -0.8 | 3.5 | 0.0  |
| 9/17/2020 8:00 AM  | -0.2 | -0.7 | -0.8 | 3.4 | 3.8  |
| 9/17/2020 8:06 AM  | -0.2 | -0.7 | -0.9 | 2.1 | 13.7 |
| 9/17/2020 8:12 AM  | -0.2 | -0.7 | -0.9 | 1.3 | 12.2 |
| 9/17/2020 8:18 AM  | -0.2 | -0.7 | -0.9 | 1.3 | 7.7  |
| 9/17/2020 8:24 AM  | -0.1 | -0.7 | -0.9 | 1.4 | 6.5  |
| 9/17/2020 8:30 AM  | -0.1 | -0.7 | -0.9 | 1.4 | 6.6  |
| 9/17/2020 8:36 AM  | -0.1 | -0.7 | -0.9 | 1.5 | 6.8  |
| 9/17/2020 8:42 AM  | -0.1 | -0.7 | -0.9 | 1.5 | 6.5  |
| 9/17/2020 8:48 AM  | -0.1 | -0.7 | -0.9 | 1.5 | 5.7  |
| 9/17/2020 8:54 AM  | -0.1 | -0.7 | -0.9 | 1.5 | 4.8  |
| 9/17/2020 9:00 AM  | -0.1 | -0.7 | -0.8 | 1.5 | 4.2  |
| 9/17/2020 9:06 AM  | -0.1 | -0.7 | -0.8 | 1.5 | 3.9  |
| 9/17/2020 9:12 AM  | -0.1 | -0.7 | -0.8 | 1.5 | 3.5  |
| 9/17/2020 9:18 AM  | -0.1 | -0.7 | -0.8 | 1.5 | 3.3  |
| 9/17/2020 9:24 AM  | -0.1 | -0.7 | -0.8 | 1.5 | 3.1  |
| 9/17/2020 9:30 AM  | -0.1 | -0.7 | -0.8 | 1.5 | 3.1  |
| 9/17/2020 9:36 AM  | -0.1 | -0.7 | -0.8 | 1.5 | 3.1  |
| 9/17/2020 9:42 AM  | -0.1 | -0.7 | -0.8 | 1.5 | 3.1  |
| 9/17/2020 9:48 AM  | -0.1 | -0.7 | -0.8 | 1.6 | 3.1  |
| 9/17/2020 9:54 AM  | -0.1 | -0.7 | -0.7 | 1.5 | 3.0  |
| 9/17/2020 10:00 AM | -0.1 | -0.7 | -0.7 | 1.6 | 2.9  |
| 9/17/2020 10:06 AM | -0.1 | -0.7 | -0.8 | 1.6 | 2.9  |
| 9/17/2020 10:12 AM | -0.1 | -0.7 | -0.8 | 1.6 | 2.8  |
| 9/17/2020 10:18 AM | -0.1 | -0.7 | -0.8 | 1.6 | 2.8  |
| 9/17/2020 10:24 AM | -0.1 | -0.7 | -0.8 | 1.6 | 2.8  |
| 9/17/2020 10:30 AM | -0.1 | -0.7 | -0.8 | 1.6 | 2.8  |
| 9/17/2020 10:36 AM | -0.1 | -0.7 | -0.8 | 1.5 | 2.8  |
| 9/17/2020 10:42 AM | -0.1 | -0.7 | -0.8 | 1.6 | 2.8  |
| 9/17/2020 10:48 AM | -0.1 | -0.7 | -0.8 | 1.6 | 2.9  |
| 9/17/2020 10:54 AM | -0.1 | -0.7 | -0.7 | 1.6 | 2.9  |
| 9/17/2020 11:00 AM | -0.1 | -0.7 | -0.7 | 1.7 | 2.9  |
| 9/17/2020 11:06 AM | -0.1 | -0.7 | -0.7 | 1.6 | 2.9  |
| 9/17/2020 11:12 AM | -0.1 | -0.7 | -0.7 | 1.5 | 2.8  |
| 9/17/2020 11:18 AM | -0.1 | -0.7 | -0.7 | 1.5 | 2.8  |
| 9/17/2020 11:24 AM | -0.1 | -0.7 | -0.7 | 1.5 | 2.8  |
| 9/17/2020 11:30 AM | -0.1 | -0.7 | -0.8 | 1.5 | 2.8  |
| 9/17/2020 11:36 AM | -0.1 | -0.7 | -0.8 | 1.5 | 2.8  |
| 9/17/2020 11:42 AM | -0.1 | -0.7 | -0.8 | 1.5 | 2.8  |
| 9/17/2020 11:48 AM | -0.1 | -0.7 | -0.8 | 1.5 | 2.8  |



|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 9/17/2020 11:54 AM | -0.1 | -0.7 | -0.7 | 1.5 | 2.9 |
| 9/17/2020 12:00 PM | -0.1 | -0.7 | -0.8 | 1.5 | 2.9 |
| 9/17/2020 12:06 PM | -0.2 | -0.7 | -0.8 | 1.5 | 2.9 |
| 9/17/2020 12:12 PM | -0.2 | -0.7 | -0.8 | 1.5 | 2.9 |
| 9/17/2020 12:18 PM | -0.1 | -0.7 | -0.8 | 1.5 | 2.9 |
| 9/17/2020 12:24 PM | -0.1 | -0.7 | -0.8 | 1.5 | 2.9 |
| 9/17/2020 12:30 PM | -0.1 | -0.7 | -0.8 | 1.5 | 2.8 |
| 9/17/2020 12:36 PM | -0.1 | -0.7 | -0.8 | 1.5 | 2.8 |
| 9/17/2020 12:42 PM | -0.1 | -0.7 | -0.8 | 1.5 | 2.8 |
| 9/17/2020 12:48 PM | -0.1 | -0.7 | -0.8 | 1.5 | 2.9 |
| 9/17/2020 12:54 PM | -0.1 | -0.7 | -0.8 | 1.5 | 3.0 |
| 9/17/2020 1:00 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 3.0 |
| 9/17/2020 1:06 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 3.0 |
| 9/17/2020 1:12 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 3.0 |
| 9/17/2020 1:18 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 2.9 |
| 9/17/2020 1:24 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 2.9 |
| 9/17/2020 1:30 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 2.8 |
| 9/17/2020 1:36 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 2.8 |
| 9/17/2020 1:42 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 2.8 |
| 9/17/2020 1:48 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 2.8 |
| 9/17/2020 1:54 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 2.8 |
| 9/17/2020 2:00 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 2.8 |
| 9/17/2020 2:06 PM  | -0.1 | -0.7 | -0.8 | 1.4 | 2.8 |
| 9/17/2020 2:12 PM  | -0.1 | -0.7 | -0.8 | 1.4 | 2.8 |
| 9/17/2020 2:18 PM  | -0.1 | -0.7 | -0.8 | 1.5 | 2.9 |
| 9/17/2020 2:24 PM  | -0.1 | -0.7 | -0.8 | 1.4 | 2.8 |
| 9/17/2020 2:30 PM  | -0.1 | -0.7 | -0.7 | 1.2 | 2.9 |
| 9/17/2020 2:36 PM  | -0.1 | -0.7 | -0.7 | 0.9 | 2.9 |
| 9/17/2020 2:42 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.9 |
| 9/17/2020 2:48 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.9 |
| 9/17/2020 2:54 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.9 |
| 9/17/2020 3:00 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.9 |
| 9/17/2020 3:06 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.9 |
| 9/17/2020 3:12 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.9 |
| 9/17/2020 3:18 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.8 |
| 9/17/2020 3:24 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.8 |
| 9/17/2020 3:30 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.8 |
| 9/17/2020 3:36 PM  | -0.1 | -0.7 | -0.7 | 1.1 | 2.8 |
| 9/17/2020 3:42 PM  | -0.1 | -0.7 | -0.7 | 1.1 | 2.7 |
| 9/17/2020 3:48 PM  | -0.1 | -0.7 | -0.7 | 1.1 | 2.8 |
| 9/17/2020 3:54 PM  | -0.2 | -0.7 | -0.7 | 1.0 | 2.8 |
| 9/17/2020 4:00 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.8 |
| 9/17/2020 4:06 PM  | -0.1 | -0.7 | -0.7 | 1.1 | 2.8 |
| 9/17/2020 4:12 PM  | -0.1 | -0.7 | -0.7 | 1.1 | 2.9 |
| 9/17/2020 4:18 PM  | -0.2 | -0.7 | -0.7 | 1.0 | 2.8 |
| 9/17/2020 4:24 PM  | -0.2 | -0.7 | -0.7 | 1.0 | 2.8 |
| 9/17/2020 4:30 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.7 |
| 9/17/2020 4:36 PM  | -0.1 | -0.7 | -0.7 | 1.0 | 2.7 |
| 9/17/2020 4:42 PM  | -0.2 | -0.7 | -0.7 | 1.0 | 2.7 |
| 9/17/2020 4:48 PM  | -0.2 | -0.7 | -0.7 | 1.0 | 2.8 |

|                   |      |      |      |     |     |
|-------------------|------|------|------|-----|-----|
| 9/17/2020 4:54 PM | -0.2 | -0.7 | -0.7 | 1.1 | 2.8 |
| 9/17/2020 5:00 PM | -0.2 | -0.7 | -0.6 | 1.1 | 2.8 |
| 9/17/2020 5:06 PM | -0.2 | -0.7 | -0.6 | 1.1 | 2.8 |
| 9/17/2020 5:12 PM | -0.2 | -0.7 | -0.6 | 1.0 | 2.8 |
| 9/17/2020 5:18 PM | -0.2 | -0.7 | -0.6 | 1.0 | 2.8 |
| 9/17/2020 5:24 PM | -0.1 | -0.7 | -0.6 | 1.0 | 2.8 |
| 9/17/2020 5:30 PM | -0.1 | -0.7 | -0.6 | 1.0 | 2.8 |
| 9/17/2020 5:36 PM | -0.1 | -0.7 | -0.6 | 1.1 | 2.9 |
| 9/17/2020 5:42 PM | -0.1 | -0.7 | -0.6 | 1.1 | 2.9 |
| 9/17/2020 5:48 PM | -0.1 | -0.7 | -0.6 | 1.1 | 2.9 |
| 9/17/2020 5:54 PM | -0.2 | -0.7 | -0.6 | 1.1 | 2.8 |
| 9/17/2020 6:00 PM | -0.2 | -0.7 | -0.6 | 1.1 | 2.8 |
| 9/17/2020 6:06 PM | -0.2 | -0.7 | -0.6 | 1.2 | 2.9 |
| 9/17/2020 6:12 PM | -0.2 | -0.7 | -0.6 | 1.1 | 2.9 |
| 9/17/2020 6:18 PM | -0.2 | -0.6 | -0.6 | 1.2 | 2.9 |
| 9/17/2020 6:24 PM | -0.2 | -0.6 | -0.6 | 1.1 | 2.9 |
| 9/17/2020 6:30 PM | -0.2 | -0.6 | -0.6 | 1.1 | 3.0 |
| 9/17/2020 6:36 PM | -0.2 | -0.6 | -0.6 | 1.2 | 2.9 |
| 9/17/2020 6:42 PM | -0.2 | -0.6 | -0.5 | 1.2 | 3.0 |
| 9/17/2020 6:48 PM | -0.2 | -0.6 | -0.5 | 1.2 | 2.9 |
| 9/17/2020 6:54 PM | -0.2 | -0.6 | -0.5 | 1.2 | 2.9 |
| 9/17/2020 7:00 PM | -0.2 | -0.6 | -0.5 | 1.1 | 2.9 |
| 9/17/2020 7:06 PM | -0.2 | -0.6 | -0.5 | 1.1 | 2.9 |
| 9/17/2020 7:12 PM | -0.2 | -0.6 | -0.5 | 1.1 | 2.9 |
| 9/17/2020 7:18 PM | -0.2 | -0.6 | -0.5 | 1.1 | 3.0 |
| 9/17/2020 7:24 PM | -0.2 | -0.6 | -0.5 | 1.1 | 2.9 |
| 9/17/2020 7:30 PM | -0.2 | -0.6 | -0.5 | 1.1 | 2.9 |
| 9/17/2020 7:36 PM | -0.2 | -0.6 | -0.5 | 1.1 | 3.0 |
| 9/17/2020 7:42 PM | -0.2 | -0.6 | -0.5 | 1.2 | 3.0 |
| 9/17/2020 7:48 PM | -0.2 | -0.6 | -0.5 | 1.2 | 3.0 |
| 9/17/2020 7:54 PM | -0.2 | -0.6 | -0.5 | 1.2 | 2.9 |
| 9/17/2020 8:00 PM | -0.2 | -0.6 | -0.5 | 1.2 | 2.9 |
| 9/17/2020 8:06 PM | -0.2 | -0.6 | -0.5 | 1.2 | 2.9 |
| 9/17/2020 8:12 PM | -0.2 | -0.6 | -0.5 | 1.2 | 2.9 |
| 9/17/2020 8:18 PM | -0.2 | -0.6 | -0.5 | 1.2 | 2.9 |
| 9/17/2020 8:24 PM | -0.2 | -0.6 | -0.5 | 1.1 | 3.0 |
| 9/17/2020 8:30 PM | -0.2 | -0.6 | -0.5 | 1.1 | 3.0 |
| 9/17/2020 8:36 PM | -0.2 | -0.6 | -0.5 | 1.2 | 3.0 |
| 9/17/2020 8:42 PM | -0.2 | -0.6 | -0.5 | 1.7 | 3.0 |
| 9/17/2020 8:48 PM | -0.2 | -0.6 | -0.5 | 2.7 | 3.1 |
| 9/17/2020 8:54 PM | -0.2 | -0.6 | -0.5 | 2.8 | 3.1 |
| 9/17/2020 9:00 PM | -0.2 | -0.6 | -0.5 | 2.6 | 3.0 |
| 9/17/2020 9:06 PM | -0.2 | -0.6 | -0.4 | 2.4 | 3.0 |
| 9/17/2020 9:12 PM | -0.2 | -0.6 | -0.4 | 2.2 | 3.0 |
| 9/17/2020 9:18 PM | -0.2 | -0.6 | -0.4 | 2.1 | 3.1 |
| 9/17/2020 9:24 PM | -0.1 | -0.6 | -0.4 | 2.2 | 3.1 |
| 9/17/2020 9:30 PM | -0.1 | -0.6 | -0.4 | 2.2 | 3.0 |
| 9/17/2020 9:36 PM | -0.1 | -0.6 | -0.4 | 2.1 | 2.9 |
| 9/17/2020 9:42 PM | -0.1 | -0.6 | -0.4 | 2.1 | 2.9 |
| 9/17/2020 9:48 PM | -0.2 | -0.6 | -0.4 | 2.0 | 3.0 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/17/2020 9:54 PM  | -0.2 | -0.6 | -0.4 | 2.0  | 3.0 |
| 9/17/2020 10:00 PM | -0.2 | -0.6 | -0.4 | 1.9  | 3.0 |
| 9/17/2020 10:06 PM | -0.2 | -0.6 | -0.4 | 1.8  | 2.9 |
| 9/17/2020 10:12 PM | -0.2 | -0.6 | -0.4 | 1.8  | 2.9 |
| 9/17/2020 10:18 PM | -0.2 | -0.6 | -0.4 | 1.8  | 2.9 |
| 9/17/2020 10:24 PM | -0.2 | -0.5 | -0.4 | 1.8  | 2.9 |
| 9/17/2020 10:30 PM | -0.2 | -0.5 | -0.4 | 1.7  | 2.8 |
| 9/17/2020 10:36 PM | -0.2 | -0.5 | -0.4 | 1.6  | 2.8 |
| 9/17/2020 10:42 PM | -0.2 | -0.5 | -0.4 | 1.7  | 2.8 |
| 9/17/2020 10:48 PM | -0.2 | -0.5 | -0.4 | 1.8  | 2.8 |
| 9/17/2020 10:54 PM | -0.2 | -0.5 | -0.4 | 1.8  | 2.8 |
| 9/17/2020 11:00 PM | -0.2 | -0.5 | -0.4 | 1.2  | 2.9 |
| 9/17/2020 11:06 PM | -0.2 | -0.5 | -0.4 | 0.6  | 2.9 |
| 9/17/2020 11:12 PM | -0.2 | -0.5 | -0.4 | 0.7  | 2.9 |
| 9/17/2020 11:18 PM | -0.2 | -0.4 | -0.5 | 0.8  | 2.8 |
| 9/17/2020 11:24 PM | -0.2 | -0.4 | -0.5 | 0.8  | 2.9 |
| 9/17/2020 11:30 PM | -0.2 | -0.4 | -0.5 | 0.9  | 2.9 |
| 9/17/2020 11:36 PM | -0.2 | -0.4 | -0.5 | 0.9  | 3.0 |
| 9/17/2020 11:42 PM | -0.2 | -0.4 | -0.5 | 0.9  | 3.0 |
| 9/17/2020 11:48 PM | -0.2 | -0.4 | -0.5 | 0.9  | 3.0 |
| 9/17/2020 11:54 PM | -0.2 | -0.3 | -0.6 | 0.9  | 2.9 |
| 9/18/2020 12:00 AM | -0.2 | -0.3 | -0.6 | 1.0  | 2.9 |
| 9/18/2020 12:06 AM | -0.2 | -0.3 | -0.6 | 1.0  | 3.0 |
| 9/18/2020 12:12 AM | -0.2 | -0.3 | -0.6 | 1.0  | 3.0 |
| 9/18/2020 12:18 AM | -0.3 | -0.3 | -0.6 | 0.9  | 3.4 |
| 9/18/2020 12:24 AM | -0.3 | -0.2 | -0.6 | 0.1  | 3.9 |
| 9/18/2020 12:30 AM | -0.3 | -0.2 | -0.6 | -0.6 | 3.8 |
| 9/18/2020 12:36 AM | -0.3 | -0.2 | -0.7 | -0.6 | 3.6 |
| 9/18/2020 12:42 AM | -0.3 | -0.2 | -0.7 | -0.6 | 3.6 |
| 9/18/2020 12:48 AM | -0.3 | -0.2 | -0.7 | -0.6 | 3.5 |
| 9/18/2020 12:54 AM | -0.3 | -0.2 | -0.7 | -0.6 | 3.4 |
| 9/18/2020 1:00 AM  | -0.3 | -0.1 | -0.7 | -0.6 | 3.4 |
| 9/18/2020 1:06 AM  | -0.3 | -0.2 | -0.7 | -0.7 | 3.5 |
| 9/18/2020 1:12 AM  | -0.3 | -0.2 | -0.7 | -0.7 | 4.1 |
| 9/18/2020 1:18 AM  | -0.3 | -0.2 | -0.7 | -0.7 | 4.5 |
| 9/18/2020 1:24 AM  | -0.3 | -0.1 | -0.7 | -0.7 | 4.4 |
| 9/18/2020 1:30 AM  | -0.3 | -0.1 | -0.7 | -0.7 | 4.4 |
| 9/18/2020 1:36 AM  | -0.3 | -0.2 | -0.7 | -0.7 | 4.3 |
| 9/18/2020 1:42 AM  | -0.3 | -0.2 | -0.7 | -0.7 | 4.1 |
| 9/18/2020 1:48 AM  | -0.3 | -0.2 | -0.7 | -0.7 | 4.1 |
| 9/18/2020 1:54 AM  | -0.3 | -0.2 | -0.6 | -0.7 | 4.2 |
| 9/18/2020 2:00 AM  | -0.3 | -0.2 | -0.6 | -0.7 | 4.1 |
| 9/18/2020 2:06 AM  | -0.3 | -0.2 | -0.6 | -0.7 | 4.0 |
| 9/18/2020 2:12 AM  | -0.3 | -0.2 | -0.6 | -0.7 | 3.9 |
| 9/18/2020 2:18 AM  | -0.3 | -0.2 | -0.6 | -0.7 | 3.8 |
| 9/18/2020 2:24 AM  | -0.3 | -0.2 | -0.6 | -0.7 | 3.9 |
| 9/18/2020 2:30 AM  | -0.3 | -0.2 | -0.6 | -0.7 | 3.9 |
| 9/18/2020 2:36 AM  | -0.3 | -0.2 | -0.6 | -0.7 | 3.8 |
| 9/18/2020 2:42 AM  | -0.3 | -0.2 | -0.6 | -0.7 | 3.8 |
| 9/18/2020 2:48 AM  | -0.3 | -0.2 | -0.6 | -0.6 | 3.8 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 9/18/2020 2:54 AM | -0.3 | -0.2 | -0.6 | -0.6 | 3.8 |
| 9/18/2020 3:00 AM | -0.3 | -0.2 | -0.6 | -0.6 | 3.8 |
| 9/18/2020 3:06 AM | -0.3 | -0.2 | -0.6 | -0.6 | 3.8 |
| 9/18/2020 3:12 AM | -0.3 | -0.2 | -0.6 | -0.6 | 3.8 |
| 9/18/2020 3:18 AM | -0.3 | -0.2 | -0.6 | -0.6 | 3.8 |
| 9/18/2020 3:24 AM | -0.3 | -0.2 | -0.6 | -0.6 | 3.8 |
| 9/18/2020 3:30 AM | -0.3 | -0.2 | -0.6 | -0.6 | 3.7 |
| 9/18/2020 3:36 AM | -0.3 | -0.2 | -0.6 | -0.7 | 3.6 |
| 9/18/2020 3:42 AM | -0.3 | -0.2 | -0.6 | -0.7 | 3.6 |
| 9/18/2020 3:48 AM | -0.3 | -0.2 | -0.6 | -0.7 | 3.6 |
| 9/18/2020 3:54 AM | -0.3 | -0.1 | -0.6 | -0.7 | 3.6 |
| 9/18/2020 4:00 AM | -0.4 | -0.2 | -0.6 | -0.7 | 3.6 |
| 9/18/2020 4:06 AM | -0.4 | -0.2 | -0.6 | -0.7 | 3.7 |
| 9/18/2020 4:12 AM | -0.4 | -0.1 | -0.6 | -0.7 | 3.8 |
| 9/18/2020 4:18 AM | -0.4 | -0.1 | -0.6 | -0.7 | 3.9 |
| 9/18/2020 4:24 AM | -0.4 | -0.1 | -0.6 | -0.6 | 3.3 |
| 9/18/2020 4:30 AM | -0.3 | -0.1 | -0.6 | -0.6 | 2.6 |
| 9/18/2020 4:36 AM | -0.3 | -0.1 | -0.6 | -0.6 | 2.7 |
| 9/18/2020 4:42 AM | -0.4 | 0.0  | -0.6 | -0.6 | 2.8 |
| 9/18/2020 4:48 AM | -0.4 | 0.0  | -0.6 | -0.6 | 2.8 |
| 9/18/2020 4:54 AM | -0.4 | 0.0  | -0.6 | -0.6 | 2.8 |
| 9/18/2020 5:00 AM | -0.4 | 0.0  | -0.6 | -0.6 | 2.8 |
| 9/18/2020 5:06 AM | -0.4 | 0.0  | -0.6 | -0.6 | 2.9 |
| 9/18/2020 5:12 AM | -0.4 | 0.0  | -0.6 | -0.6 | 2.9 |
| 9/18/2020 5:18 AM | -0.4 | 0.0  | -0.6 | -0.6 | 2.9 |
| 9/18/2020 5:24 AM | -0.4 | 0.0  | -0.6 | -0.6 | 2.9 |
| 9/18/2020 5:30 AM | -0.4 | 0.0  | -0.6 | -0.6 | 2.9 |
| 9/18/2020 5:36 AM | -0.4 | 0.0  | -0.6 | -0.6 | 2.9 |
| 9/18/2020 5:42 AM | -0.4 | 0.0  | -0.6 | -0.6 | 2.9 |
| 9/18/2020 5:48 AM | -0.4 | 0.1  | -0.6 | -0.6 | 3.0 |
| 9/18/2020 5:54 AM | -0.4 | 0.1  | -0.6 | -0.6 | 3.0 |
| 9/18/2020 6:00 AM | -0.4 | 0.1  | -0.7 | -0.6 | 3.0 |
| 9/18/2020 6:06 AM | -0.4 | 0.1  | -0.7 | -0.6 | 3.0 |
| 9/18/2020 6:12 AM | -0.4 | 0.2  | -0.7 | -0.6 | 3.0 |
| 9/18/2020 6:18 AM | -0.4 | 0.2  | -0.7 | -0.6 | 3.0 |
| 9/18/2020 6:24 AM | -0.4 | 0.2  | -0.8 | -0.6 | 3.0 |
| 9/18/2020 6:30 AM | -0.4 | 0.2  | -0.8 | -0.6 | 3.1 |
| 9/18/2020 6:36 AM | -0.4 | 0.2  | -0.8 | -0.6 | 3.1 |
| 9/18/2020 6:42 AM | -0.4 | 0.2  | -0.8 | -0.6 | 3.1 |
| 9/18/2020 6:48 AM | -0.4 | 0.2  | -0.8 | -0.6 | 3.1 |
| 9/18/2020 6:54 AM | -0.4 | 0.3  | -0.8 | -0.6 | 3.1 |
| 9/18/2020 7:00 AM | -0.4 | 0.3  | -0.8 | -0.6 | 4.0 |
| 9/18/2020 7:06 AM | -0.4 | 0.3  | -0.8 | -0.6 | 4.9 |
| 9/18/2020 7:12 AM | -0.4 | 0.4  | -0.8 | -0.6 | 4.6 |
| 9/18/2020 7:18 AM | -0.4 | 0.2  | -0.7 | -0.6 | 4.5 |
| 9/18/2020 7:24 AM | -0.4 | 0.1  | -0.7 | -0.6 | 4.5 |
| 9/18/2020 7:30 AM | -0.4 | 0.1  | -0.7 | -0.6 | 4.5 |
| 9/18/2020 7:36 AM | -0.4 | 0.1  | -0.7 | -0.6 | 4.5 |
| 9/18/2020 7:42 AM | -0.4 | 0.1  | -0.7 | -0.6 | 4.5 |
| 9/18/2020 7:48 AM | -0.4 | 0.1  | -0.7 | 5.6  | 3.6 |

|                    |          |          |          |          |          |
|--------------------|----------|----------|----------|----------|----------|
| 9/18/2020 7:54 AM  | -0.4     | 0.1      | -0.7     | 11.7     | 2.5      |
| 9/18/2020 8:00 AM  | -0.4     | 0.1      | -0.7     | 8.0      | 2.5      |
| 9/18/2020 8:06 AM  | -0.4     | 0.1      | -0.7     | 4.5      | 2.5      |
| 9/18/2020 8:12 AM  | -0.4     | 0.2      | -0.7     | 3.3      | 2.6      |
| 9/18/2020 8:18 AM  | -0.4     | 0.2      | -0.7     | 2.7      | 2.6      |
| 9/18/2020 8:24 AM  | -0.4     | 0.2      | -0.7     | 2.4      | 2.6      |
| 9/18/2020 8:30 AM  | -0.4     | 0.2      | -0.7     | 2.4      | 2.6      |
| 9/18/2020 8:36 AM  | -0.4     | 0.2      | -0.7     | 2.5      | 2.6      |
| 9/18/2020 8:42 AM  | -0.4     | 0.2      | -0.7     | 2.7      | 2.7      |
| 9/18/2020 8:48 AM  | -0.4     | 0.2      | -0.7     | 2.9      | 2.7      |
| 9/18/2020 8:54 AM  | -0.4     | 0.3      | -0.7     | 3.0      | 2.7      |
| 9/18/2020 9:00 AM  | -0.4     | 0.3      | -0.7     | 3.1      | 2.8      |
| 9/18/2020 9:06 AM  | -0.4     | 0.4      | -0.7     | 3.1      | 2.9      |
| 9/18/2020 9:12 AM  | -0.4     | 0.4      | -0.7     | 3.0      | 2.8      |
| 9/18/2020 9:18 AM  | -0.4     | 0.4      | -0.8     | 3.0      | 2.8      |
| 9/18/2020 9:24 AM  | -0.4     | 0.4      | -0.8     | 2.7      | 2.9      |
| 9/18/2020 9:30 AM  | -0.4     | 0.4      | -0.8     | 1.6      | 2.9      |
| 9/18/2020 9:36 AM  | -0.4     | 0.5      | -0.8     | 1.0      | 2.8      |
| 9/18/2020 9:42 AM  | -0.4     | 0.5      | -0.8     | 1.0      | 2.8      |
| 9/18/2020 9:48 AM  | -0.3     | 0.5      | -0.8     | 1.0      | 2.7      |
| 9/18/2020 9:54 AM  | -0.3     | 0.6      | -0.8     | 1.0      | 2.8      |
| 9/18/2020 10:00 AM | -0.3     | 0.6      | -0.8     | 0.3      | 2.9      |
| 9/18/2020 10:06 AM | -0.3     | 0.6      | -0.8     | -0.6     | 2.9      |
| 9/18/2020 10:12 AM | -0.3     | 0.6      | -0.8     | 2.7      | 2.8      |
| 9/18/2020 10:18 AM | -0.3     | 0.6      | -0.8     | 4.1      | 2.8      |
| 9/18/2020 10:24 AM | -0.3     | 0.6      | -0.8     | 1.5      | 3.2      |
| 9/18/2020 10:30 AM | -0.3     | 0.6      | -0.8     | 1.2      | 3.2      |
| 9/18/2020 10:36 AM | -0.3     | 0.6      | -0.8     | 1.1      | 3.0      |
| 9/18/2020 10:42 AM | -0.3     | 0.5      | -0.8     | 1.0      | 2.9      |
| 9/18/2020 10:48 AM | -0.3     | 0.5      | -0.8     | 0.9      | 2.9      |
| 9/18/2020 10:54 AM | -0.3     | 0.5      | -0.7     | 0.0      | 3.0      |
| 9/18/2020 11:00 AM | -0.3     | 0.4      | -0.7     | -0.7     | 3.0      |
| 9/18/2020 11:06 AM | -0.3     | 0.4      | -0.7     | -0.8     | 3.0      |
| 9/18/2020 11:12 AM | -0.3     | 0.4      | -0.7     | -0.7     | 3.1      |
| 9/18/2020 11:18 AM | -0.2     | 7.9      | -0.6     | -0.7     | 3.1      |
| 9/18/2020 11:24 AM | -0.2     | 18.4     | -0.6     | -0.7     | 3.0      |
| 9/18/2020 11:30 AM | -0.2     | 10.5     | -0.6     | -0.7     | 2.9      |
| 9/18/2020 11:36 AM | -0.2     | 4.2      | -0.6     | -0.7     | 3.0      |
| 9/18/2020 11:42 AM | -0.2     | 3.5      | -0.5     | -0.7     | 3.0      |
| 9/18/2020 11:48 AM | -0.2     | 2.5      | -0.5     | -0.7     | 3.0      |
| 9/18/2020 11:54 AM | -0.2     | 2.0      | -0.5     | -0.7     | 3.0      |
| 9/18/2020 12:00 PM | -0.2     | 1.9      | -0.5     | -0.7     | 2.9      |
| 9/18/2020 12:06 PM | -0.2     | 1.8      | -0.5     | -0.7     | 2.9      |
| 9/18/2020 12:12 PM | -0.2     | 1.7      | -0.5     | -0.7     | 2.8      |
| 9/18/2020 12:18 PM | -0.2     | 1.5      | -0.5     | -0.7     | 2.8      |
| 9/18/2020 12:24 PM | -0.2     | 1.3      | -0.5     | -0.7     | 2.8      |
| 9/18/2020 12:30 PM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 9/18/2020 12:36 PM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 9/18/2020 12:42 PM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 9/18/2020 12:48 PM | Maintain | Maintain | Maintain | Maintain | Maintain |

|                    |          |          |          |          |          |
|--------------------|----------|----------|----------|----------|----------|
| 9/18/2020 12:54 PM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 9/18/2020 1:00 PM  | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 9/18/2020 1:06 PM  | 0.4      | -0.6     | -0.5     | -0.7     | 2.7      |
| 9/18/2020 1:12 PM  | 0.1      | -0.8     | -0.5     | -0.7     | 2.6      |
| 9/18/2020 1:18 PM  | 0.0      | -0.9     | -0.4     | -0.7     | 2.3      |
| 9/18/2020 1:24 PM  | -0.1     | -0.9     | -0.3     | -0.7     | 2.0      |
| 9/18/2020 1:30 PM  | -0.1     | -0.9     | -0.3     | -0.7     | 2.1      |
| 9/18/2020 1:36 PM  | -0.1     | -0.9     | -0.3     | -0.7     | 2.1      |
| 9/18/2020 1:42 PM  | -0.2     | -0.9     | -0.3     | -0.7     | 2.1      |
| 9/18/2020 1:48 PM  | -0.2     | -0.9     | -0.3     | -0.7     | 2.3      |
| 9/18/2020 1:54 PM  | -0.2     | -1.0     | -0.3     | -0.7     | 2.4      |
| 9/18/2020 2:00 PM  | -0.2     | -0.9     | -0.3     | -0.7     | 2.3      |
| 9/18/2020 2:06 PM  | -0.2     | -0.9     | -0.3     | -0.7     | 2.2      |
| 9/18/2020 2:12 PM  | -0.2     | -0.9     | -0.4     | -0.7     | 2.2      |
| 9/18/2020 2:18 PM  | -0.2     | -0.9     | -0.4     | 3.4      | 2.3      |
| 9/18/2020 2:24 PM  | -0.2     | -0.9     | -0.5     | 7.5      | 1.2      |
| 9/18/2020 2:30 PM  | -0.2     | -0.9     | -0.5     | 4.8      | 0.0      |
| 9/18/2020 2:36 PM  | -0.2     | -0.9     | -0.6     | 2.5      | 0.0      |
| 9/18/2020 2:42 PM  | -0.2     | 3.5      | -0.6     | 2.1      | 0.0      |
| 9/18/2020 2:48 PM  | -0.2     | 1.6      | -0.6     | 1.9      | 0.0      |
| 9/18/2020 2:54 PM  | -0.2     | 0.6      | -0.6     | 1.9      | -0.1     |
| 9/18/2020 3:00 PM  | -0.2     | 0.4      | -0.5     | 1.8      | -0.1     |
| 9/18/2020 3:06 PM  | -0.2     | 0.3      | -0.5     | 1.6      | -0.1     |
| 9/18/2020 3:12 PM  | -0.2     | 0.3      | -0.4     | 1.4      | -0.1     |
| 9/18/2020 3:18 PM  | -0.2     | 0.2      | -0.3     | 1.2      | -0.1     |
| 9/18/2020 3:24 PM  | -0.2     | 0.0      | -0.3     | 1.0      | -0.1     |
| 9/18/2020 3:30 PM  | -0.2     | 0.0      | -0.3     | 1.0      | -0.1     |
| 9/18/2020 3:36 PM  | -0.2     | 0.0      | -0.3     | 1.0      | -0.1     |
| 9/18/2020 3:42 PM  | -0.2     | 0.0      | -0.4     | 0.9      | -0.1     |
| 9/18/2020 3:48 PM  | -0.1     | 0.0      | -0.5     | 0.8      | -0.1     |
| 9/18/2020 3:54 PM  | -0.2     | -0.1     | -0.6     | 0.8      | -0.1     |
| 9/18/2020 4:00 PM  | -0.2     | -0.1     | -0.7     | 0.8      | -0.1     |
| 9/18/2020 4:06 PM  | -0.2     | -0.1     | -0.7     | 0.8      | 0.0      |
| 9/18/2020 4:12 PM  | -0.2     | -0.1     | -0.7     | 0.7      | -0.1     |
| 9/18/2020 4:18 PM  | -0.2     | -0.1     | -0.7     | 0.9      | -0.1     |
| 9/18/2020 4:24 PM  | -0.2     | -0.1     | -0.7     | 1.3      | -0.1     |
| 9/18/2020 4:30 PM  | -0.2     | -0.1     | -0.8     | 1.3      | -0.1     |
| 9/18/2020 4:36 PM  | -0.2     | -0.2     | -0.8     | 1.2      | -0.1     |
| 9/18/2020 4:42 PM  | -0.2     | -0.2     | -0.8     | 1.0      | -0.1     |
| 9/18/2020 4:48 PM  | -0.2     | -0.2     | -0.8     | 0.9      | -0.1     |
| 9/18/2020 4:54 PM  | -0.2     | -0.2     | -0.8     | 0.9      | -0.1     |
| 9/18/2020 5:00 PM  | -0.2     | -0.2     | -0.8     | 0.9      | -0.1     |
| 9/18/2020 5:06 PM  | -0.3     | -0.1     | -0.8     | 0.8      | -0.1     |
| 9/18/2020 5:12 PM  | -0.3     | -0.2     | -0.8     | 0.8      | -0.1     |
| 9/18/2020 5:18 PM  | -0.3     | -0.1     | -0.8     | 0.8      | -0.1     |
| 9/18/2020 5:24 PM  | -0.3     | -0.1     | -0.8     | 0.8      | -0.1     |
| 9/18/2020 5:30 PM  | -0.3     | -0.1     | -0.8     | 0.8      | -0.1     |
| 9/18/2020 5:36 PM  | -0.3     | -0.1     | -0.8     | 0.8      | -0.1     |
| 9/18/2020 5:42 PM  | -0.3     | -0.1     | -0.8     | 0.8      | -0.1     |
| 9/18/2020 5:48 PM  | -0.3     | -0.1     | -0.8     | 0.8      | 3.9      |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/18/2020 5:54 PM  | -0.3 | -0.1 | -0.8 | 0.0  | 7.3 |
| 9/18/2020 6:00 PM  | -0.3 | -0.1 | -0.8 | -0.7 | 5.1 |
| 9/18/2020 6:06 PM  | -0.3 | -0.1 | -0.8 | -0.7 | 3.9 |
| 9/18/2020 6:12 PM  | -0.3 | -0.1 | -0.8 | -0.7 | 3.4 |
| 9/18/2020 6:18 PM  | -0.3 | -0.1 | -0.8 | -0.7 | 3.1 |
| 9/18/2020 6:24 PM  | -0.3 | -0.1 | -0.8 | -0.7 | 2.9 |
| 9/18/2020 6:30 PM  | -0.3 | -0.1 | -0.8 | -0.7 | 2.9 |
| 9/18/2020 6:36 PM  | -0.3 | -0.1 | -0.8 | -0.7 | 2.8 |
| 9/18/2020 6:42 PM  | -0.3 | -0.1 | -0.8 | -0.6 | 2.7 |
| 9/18/2020 6:48 PM  | -0.3 | -0.1 | -0.8 | -0.6 | 2.7 |
| 9/18/2020 6:54 PM  | -0.3 | -0.2 | -0.7 | -0.6 | 3.0 |
| 9/18/2020 7:00 PM  | -0.3 | -0.2 | -0.7 | -0.7 | 2.9 |
| 9/18/2020 7:06 PM  | -0.3 | -0.2 | -0.7 | -0.6 | 2.6 |
| 9/18/2020 7:12 PM  | -0.3 | -0.1 | -0.7 | -0.6 | 2.5 |
| 9/18/2020 7:18 PM  | -0.3 | -0.1 | -0.7 | -0.7 | 2.5 |
| 9/18/2020 7:24 PM  | -0.3 | -0.1 | -0.7 | -0.7 | 2.5 |
| 9/18/2020 7:30 PM  | -0.3 | -0.2 | -0.7 | -0.6 | 2.5 |
| 9/18/2020 7:36 PM  | -0.4 | -0.2 | -0.7 | -0.7 | 2.4 |
| 9/18/2020 7:42 PM  | -0.4 | -0.2 | -0.7 | -0.7 | 2.4 |
| 9/18/2020 7:48 PM  | -0.4 | -0.1 | -0.7 | -0.7 | 2.4 |
| 9/18/2020 7:54 PM  | -0.4 | -0.1 | -0.7 | -0.7 | 2.4 |
| 9/18/2020 8:00 PM  | -0.4 | -0.1 | -0.7 | -0.7 | 2.4 |
| 9/18/2020 8:06 PM  | -0.4 | -0.1 | -0.7 | -0.7 | 2.4 |
| 9/18/2020 8:12 PM  | -0.4 | -0.1 | -0.7 | -0.7 | 2.5 |
| 9/18/2020 8:18 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.4 |
| 9/18/2020 8:24 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.4 |
| 9/18/2020 8:30 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.4 |
| 9/18/2020 8:36 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.4 |
| 9/18/2020 8:42 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.4 |
| 9/18/2020 8:48 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.4 |
| 9/18/2020 8:54 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.4 |
| 9/18/2020 9:00 PM  | -0.4 | -0.1 | -0.6 | -0.6 | 2.4 |
| 9/18/2020 9:06 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.4 |
| 9/18/2020 9:12 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.4 |
| 9/18/2020 9:18 PM  | -0.4 | -0.1 | -0.6 | -0.6 | 2.3 |
| 9/18/2020 9:24 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.3 |
| 9/18/2020 9:30 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.3 |
| 9/18/2020 9:36 PM  | -0.4 | -0.1 | -0.6 | -0.6 | 2.3 |
| 9/18/2020 9:42 PM  | -0.4 | -0.1 | -0.6 | -0.6 | 2.3 |
| 9/18/2020 9:48 PM  | -0.4 | -0.1 | -0.6 | -0.6 | 2.3 |
| 9/18/2020 9:54 PM  | -0.4 | -0.1 | -0.6 | -0.7 | 2.3 |
| 9/18/2020 10:00 PM | -0.4 | -0.1 | -0.6 | -0.6 | 2.3 |
| 9/18/2020 10:06 PM | -0.4 | -0.1 | -0.6 | -0.6 | 2.2 |
| 9/18/2020 10:12 PM | -0.4 | -0.1 | -0.6 | -0.6 | 2.2 |
| 9/18/2020 10:18 PM | -0.4 | -0.1 | -0.6 | -0.6 | 2.2 |
| 9/18/2020 10:24 PM | -0.4 | -0.1 | -0.6 | -0.6 | 2.2 |
| 9/18/2020 10:30 PM | -0.5 | -0.1 | -0.6 | -0.6 | 2.3 |
| 9/18/2020 10:36 PM | -0.5 | -0.1 | -0.6 | -0.6 | 2.2 |
| 9/18/2020 10:42 PM | -0.5 | -0.1 | -0.6 | -0.6 | 2.1 |
| 9/18/2020 10:48 PM | -0.5 | -0.1 | -0.6 | -0.6 | 2.1 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/18/2020 10:54 PM | -0.5 | -0.1 | -0.6 | -0.6 | 2.1 |
| 9/18/2020 11:00 PM | -0.5 | -0.1 | -0.6 | -0.6 | 2.1 |
| 9/18/2020 11:06 PM | -0.5 | -0.1 | -0.6 | -0.6 | 2.0 |
| 9/18/2020 11:12 PM | -0.5 | -0.1 | -0.6 | -0.6 | 2.1 |
| 9/18/2020 11:18 PM | -0.5 | -0.1 | -0.5 | -0.6 | 2.1 |
| 9/18/2020 11:24 PM | -0.5 | -0.1 | -0.5 | -0.7 | 2.1 |
| 9/18/2020 11:30 PM | -0.5 | -0.1 | -0.5 | -0.7 | 2.1 |
| 9/18/2020 11:36 PM | -0.5 | -0.1 | -0.6 | -0.6 | 2.1 |
| 9/18/2020 11:42 PM | -0.5 | -0.1 | -0.6 | -0.6 | 2.2 |
| 9/18/2020 11:48 PM | -0.5 | -0.1 | -0.5 | -0.6 | 2.2 |
| 9/18/2020 11:54 PM | -0.5 | -0.1 | -0.5 | -0.6 | 2.2 |
| 9/19/2020 12:00 AM | -0.5 | -0.1 | -0.5 | -0.6 | 2.2 |
| 9/19/2020 12:06 AM | -0.5 | -0.1 | -0.5 | -0.6 | 2.2 |
| 9/19/2020 12:12 AM | -0.5 | -0.4 | -0.5 | -0.6 | 2.6 |
| 9/19/2020 12:18 AM | -0.5 | -0.7 | -0.5 | -0.6 | 2.8 |
| 9/19/2020 12:24 AM | -0.5 | -0.9 | -0.5 | -0.6 | 2.8 |
| 9/19/2020 12:30 AM | -0.5 | -1.0 | -0.6 | -0.6 | 2.7 |
| 9/19/2020 12:36 AM | -0.5 | -1.0 | -0.6 | -0.6 | 2.6 |
| 9/19/2020 12:42 AM | -0.5 | -1.0 | -0.6 | -0.6 | 2.6 |
| 9/19/2020 12:48 AM | -0.6 | -1.0 | -0.6 | -0.6 | 2.7 |
| 9/19/2020 12:54 AM | -0.6 | -1.0 | -0.6 | -0.6 | 2.8 |
| 9/19/2020 1:00 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 1:06 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.4 |
| 9/19/2020 1:12 AM  | -0.6 | -1.1 | -0.6 | -0.6 | 3.4 |
| 9/19/2020 1:18 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.3 |
| 9/19/2020 1:24 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.2 |
| 9/19/2020 1:30 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.2 |
| 9/19/2020 1:36 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.2 |
| 9/19/2020 1:42 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.2 |
| 9/19/2020 1:48 AM  | -0.6 | -1.1 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 1:54 AM  | -0.6 | -1.1 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 2:00 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 2:06 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 2:12 AM  | -0.6 | -1.1 | -0.6 | -0.6 | 3.0 |
| 9/19/2020 2:18 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.0 |
| 9/19/2020 2:24 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 2:30 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 2:36 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 2:42 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 2:48 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 2:54 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 3:00 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 3:06 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.2 |
| 9/19/2020 3:12 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 3:18 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 3:24 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.0 |
| 9/19/2020 3:30 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.0 |
| 9/19/2020 3:36 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.0 |
| 9/19/2020 3:42 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 3:48 AM  | -0.6 | -1.0 | -0.6 | -0.6 | 3.0 |



|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 9/19/2020 3:54 AM | -0.6 | -1.0 | -0.6 | -0.6 | 3.1 |
| 9/19/2020 4:00 AM | -0.6 | -1.1 | -0.6 | -0.6 | 3.2 |
| 9/19/2020 4:06 AM | -0.6 | -1.0 | -0.6 | -0.6 | 3.2 |
| 9/19/2020 4:12 AM | -0.6 | -1.0 | -0.6 | -0.6 | 3.2 |
| 9/19/2020 4:18 AM | -0.6 | -1.0 | -0.6 | -0.6 | 3.2 |
| 9/19/2020 4:24 AM | -0.6 | -1.0 | -0.6 | -0.6 | 2.9 |
| 9/19/2020 4:30 AM | -0.6 | -1.0 | -0.6 | -0.6 | 2.7 |
| 9/19/2020 4:36 AM | -0.6 | -1.0 | -0.6 | -0.6 | 2.7 |
| 9/19/2020 4:42 AM | -0.6 | -1.0 | -0.6 | -0.6 | 2.6 |
| 9/19/2020 4:48 AM | -0.6 | -1.0 | -0.6 | -0.6 | 2.5 |
| 9/19/2020 4:54 AM | -0.6 | -1.0 | -0.6 | -0.6 | 2.5 |
| 9/19/2020 5:00 AM | -0.6 | -1.0 | -0.6 | -0.6 | 2.2 |
| 9/19/2020 5:06 AM | -0.6 | -1.0 | -0.6 | -0.6 | 1.8 |
| 9/19/2020 5:12 AM | -0.6 | -1.0 | -0.6 | -0.6 | 1.8 |
| 9/19/2020 5:18 AM | -0.6 | -1.0 | -0.6 | -0.6 | 1.9 |
| 9/19/2020 5:24 AM | -0.7 | -1.0 | -0.6 | -0.6 | 1.9 |
| 9/19/2020 5:30 AM | -0.7 | -1.0 | -0.6 | -0.6 | 1.9 |
| 9/19/2020 5:36 AM | -0.7 | -1.0 | -0.6 | -0.6 | 1.9 |
| 9/19/2020 5:42 AM | -0.7 | -1.0 | -0.6 | -0.6 | 1.9 |
| 9/19/2020 5:48 AM | -0.7 | -1.0 | -0.6 | -0.6 | 1.9 |
| 9/19/2020 5:54 AM | -0.7 | -1.0 | -0.6 | -0.6 | 2.0 |
| 9/19/2020 6:00 AM | -0.7 | -1.0 | -0.6 | -0.6 | 2.0 |
| 9/19/2020 6:06 AM | -0.7 | -1.0 | -0.6 | -0.6 | 1.9 |
| 9/19/2020 6:12 AM | -0.7 | -1.0 | -0.7 | -0.6 | 1.9 |
| 9/19/2020 6:18 AM | -0.7 | -0.9 | -0.8 | -0.6 | 2.0 |
| 9/19/2020 6:24 AM | -0.7 | -0.9 | -1.0 | -0.6 | 2.0 |
| 9/19/2020 6:30 AM | -0.7 | -0.9 | -1.1 | -0.6 | 2.0 |
| 9/19/2020 6:36 AM | -0.7 | -0.9 | -1.1 | -0.6 | 2.2 |
| 9/19/2020 6:42 AM | -0.7 | -0.9 | -1.1 | -0.6 | 2.5 |
| 9/19/2020 6:48 AM | -0.6 | -0.9 | -1.0 | -0.6 | 2.4 |
| 9/19/2020 6:54 AM | -0.6 | -0.9 | -0.9 | -0.6 | 2.4 |
| 9/19/2020 7:00 AM | -0.6 | -1.0 | -0.9 | -0.6 | 2.4 |
| 9/19/2020 7:06 AM | -0.6 | -1.0 | -0.8 | -0.6 | 2.3 |
| 9/19/2020 7:12 AM | -0.6 | -0.9 | -0.7 | -0.5 | 2.3 |
| 9/19/2020 7:18 AM | -0.6 | -1.0 | -0.6 | -0.5 | 2.3 |
| 9/19/2020 7:24 AM | -0.6 | -0.9 | -0.6 | -0.5 | 2.2 |
| 9/19/2020 7:30 AM | -0.6 | -0.9 | -0.6 | -0.6 | 2.3 |
| 9/19/2020 7:36 AM | -0.6 | -0.9 | -0.6 | -0.6 | 2.3 |
| 9/19/2020 7:42 AM | -0.6 | -0.9 | -0.6 | -0.6 | 2.2 |
| 9/19/2020 7:48 AM | -0.6 | -0.9 | -0.7 | -0.6 | 2.3 |
| 9/19/2020 7:54 AM | -0.6 | -0.9 | -0.7 | -0.6 | 2.3 |
| 9/19/2020 8:00 AM | -0.6 | -0.9 | -0.7 | -0.6 | 2.3 |
| 9/19/2020 8:06 AM | -0.6 | -0.9 | -0.7 | -0.6 | 2.3 |
| 9/19/2020 8:12 AM | -0.6 | -0.9 | -0.7 | -0.5 | 2.2 |
| 9/19/2020 8:18 AM | -0.6 | -0.9 | -0.7 | -0.5 | 2.3 |
| 9/19/2020 8:24 AM | -0.6 | -0.9 | -0.7 | -0.5 | 2.3 |
| 9/19/2020 8:30 AM | -0.6 | -0.9 | -0.7 | -0.6 | 2.3 |
| 9/19/2020 8:36 AM | -0.6 | -0.9 | -0.7 | -0.6 | 2.3 |
| 9/19/2020 8:42 AM | -0.5 | -0.9 | -0.7 | -0.6 | 2.3 |
| 9/19/2020 8:48 AM | -0.5 | -0.9 | -0.7 | -0.6 | 2.3 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/19/2020 8:54 AM  | -0.5 | -0.9 | -0.7 | -0.6 | 2.3 |
| 9/19/2020 9:00 AM  | -0.5 | 2.9  | -0.7 | -0.5 | 2.3 |
| 9/19/2020 9:06 AM  | -0.5 | 6.8  | -0.7 | -0.5 | 1.9 |
| 9/19/2020 9:12 AM  | -0.5 | 3.1  | -0.7 | -0.6 | 1.5 |
| 9/19/2020 9:18 AM  | -0.5 | 2.0  | -0.7 | -0.6 | 1.6 |
| 9/19/2020 9:24 AM  | -0.5 | 2.0  | -0.7 | -0.6 | 1.6 |
| 9/19/2020 9:30 AM  | -0.5 | 1.5  | -0.7 | -0.6 | 1.6 |
| 9/19/2020 9:36 AM  | -0.5 | 1.0  | -0.6 | -0.5 | 1.6 |
| 9/19/2020 9:42 AM  | -0.5 | 0.7  | -0.5 | -0.5 | 1.6 |
| 9/19/2020 9:48 AM  | -0.5 | 0.6  | -0.4 | -0.5 | 1.7 |
| 9/19/2020 9:54 AM  | -0.5 | 0.5  | -0.3 | -0.5 | 1.7 |
| 9/19/2020 10:00 AM | -0.5 | 0.4  | -0.2 | -0.5 | 1.7 |
| 9/19/2020 10:06 AM | -0.5 | 0.3  | -0.1 | -0.5 | 1.6 |
| 9/19/2020 10:12 AM | -0.5 | 0.2  | -0.2 | -0.5 | 1.7 |
| 9/19/2020 10:18 AM | -0.5 | 0.1  | -0.2 | -0.5 | 1.7 |
| 9/19/2020 10:24 AM | -0.5 | 0.0  | -0.3 | -0.5 | 1.7 |
| 9/19/2020 10:30 AM | -0.5 | 0.0  | -0.3 | -0.5 | 1.7 |
| 9/19/2020 10:36 AM | -0.5 | 0.0  | -0.4 | -0.5 | 1.7 |
| 9/19/2020 10:42 AM | -0.5 | 0.0  | -0.4 | -0.5 | 1.7 |
| 9/19/2020 10:48 AM | -0.5 | 0.0  | -0.4 | -0.5 | 1.8 |
| 9/19/2020 10:54 AM | -0.5 | 0.1  | -0.4 | -0.5 | 1.7 |
| 9/19/2020 11:00 AM | -0.4 | 0.2  | -0.4 | -0.6 | 1.7 |
| 9/19/2020 11:06 AM | -0.4 | 0.1  | -0.3 | -0.6 | 1.7 |
| 9/19/2020 11:12 AM | -0.4 | 0.0  | -0.3 | -0.6 | 1.7 |
| 9/19/2020 11:18 AM | -0.4 | 0.0  | -0.3 | -0.6 | 1.7 |
| 9/19/2020 11:24 AM | -0.4 | -0.1 | -0.3 | -0.6 | 1.8 |
| 9/19/2020 11:30 AM | -0.3 | -0.1 | -0.3 | -0.5 | 1.8 |
| 9/19/2020 11:36 AM | -0.3 | -0.1 | -0.2 | -0.5 | 1.8 |
| 9/19/2020 11:42 AM | -0.3 | -0.1 | 0.0  | -0.5 | 1.8 |
| 9/19/2020 11:48 AM | -0.3 | -0.1 | 0.2  | -0.5 | 1.8 |
| 9/19/2020 11:54 AM | -0.3 | -0.1 | 0.3  | -0.5 | 1.8 |
| 9/19/2020 12:00 PM | -0.3 | -0.1 | 0.3  | -0.5 | 1.8 |
| 9/19/2020 12:06 PM | -0.1 | -0.1 | 0.5  | -0.4 | 1.9 |
| 9/19/2020 12:12 PM | -0.1 | -0.1 | 0.4  | -0.4 | 1.9 |
| 9/19/2020 12:18 PM | -0.1 | -0.1 | 0.3  | -0.4 | 1.9 |
| 9/19/2020 12:24 PM | -0.1 | -0.1 | 0.2  | -0.4 | 2.0 |
| 9/19/2020 12:30 PM | -0.1 | -0.1 | 0.1  | -0.4 | 2.0 |
| 9/19/2020 12:36 PM | -0.2 | 0.0  | -0.1 | -0.4 | 2.0 |
| 9/19/2020 12:42 PM | -0.2 | 0.0  | -0.3 | -0.4 | 2.3 |
| 9/19/2020 12:48 PM | 28.2 | -0.2 | -0.4 | -0.4 | 2.7 |
| 9/19/2020 12:54 PM | 36.5 | -0.7 | -0.4 | -0.4 | 2.5 |
| 9/19/2020 1:00 PM  | 7.3  | -1.0 | -0.5 | -0.4 | 2.3 |
| 9/19/2020 1:06 PM  | 5.9  | -1.1 | -0.6 | -0.4 | 2.3 |
| 9/19/2020 1:12 PM  | 3.9  | -1.1 | -0.5 | -0.4 | 2.3 |
| 9/19/2020 1:18 PM  | 1.9  | -1.1 | -0.5 | -0.4 | 2.3 |
| 9/19/2020 1:24 PM  | 1.8  | -1.1 | -0.4 | -0.5 | 2.3 |
| 9/19/2020 1:30 PM  | 1.5  | -1.1 | -0.2 | -0.5 | 2.2 |
| 9/19/2020 1:36 PM  | 1.0  | -1.1 | 0.0  | -0.5 | 2.3 |
| 9/19/2020 1:42 PM  | 0.8  | -1.1 | 0.1  | -0.5 | 2.3 |
| 9/19/2020 1:48 PM  | 0.8  | -1.1 | 0.2  | -0.4 | 2.2 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 9/19/2020 1:54 PM | 0.8 | -1.1 | 0.3  | -0.4 | 2.3 |
| 9/19/2020 2:00 PM | 0.7 | -1.1 | 0.3  | -0.4 | 2.3 |
| 9/19/2020 2:06 PM | 0.7 | -1.1 | 0.3  | -0.4 | 2.3 |
| 9/19/2020 2:12 PM | 0.7 | -1.0 | 0.1  | -0.4 | 2.3 |
| 9/19/2020 2:18 PM | 0.7 | -1.1 | -0.1 | -0.4 | 2.3 |
| 9/19/2020 2:24 PM | 0.7 | -1.1 | -0.3 | -0.4 | 2.3 |
| 9/19/2020 2:30 PM | 0.7 | -1.0 | -0.4 | -0.4 | 2.2 |
| 9/19/2020 2:36 PM | 0.7 | -1.0 | -0.5 | -0.4 | 2.2 |
| 9/19/2020 2:42 PM | 0.7 | -1.0 | -0.5 | -0.4 | 2.2 |
| 9/19/2020 2:48 PM | 0.7 | -1.0 | -0.6 | -0.4 | 2.2 |
| 9/19/2020 2:54 PM | 0.7 | -1.1 | -0.6 | -0.4 | 2.2 |
| 9/19/2020 3:00 PM | 0.7 | -1.1 | -0.5 | -0.4 | 2.2 |
| 9/19/2020 3:06 PM | 0.7 | -1.1 | -0.5 | -0.4 | 2.2 |
| 9/19/2020 3:12 PM | 0.7 | -1.0 | -0.4 | -0.4 | 2.0 |
| 9/19/2020 3:18 PM | 0.7 | -1.1 | -0.3 | -0.4 | 1.7 |
| 9/19/2020 3:24 PM | 0.7 | -1.1 | -0.2 | -0.4 | 1.7 |
| 9/19/2020 3:30 PM | 0.7 | -1.0 | -0.3 | -0.4 | 1.8 |
| 9/19/2020 3:36 PM | 0.6 | -1.0 | -0.3 | -0.4 | 1.8 |
| 9/19/2020 3:42 PM | 0.6 | -1.0 | -0.3 | -0.4 | 1.8 |
| 9/19/2020 3:48 PM | 0.6 | -1.0 | -0.5 | -0.4 | 1.9 |
| 9/19/2020 3:54 PM | 0.6 | -1.0 | -0.6 | -0.4 | 1.9 |
| 9/19/2020 4:00 PM | 0.6 | -0.9 | -0.6 | -0.4 | 1.9 |
| 9/19/2020 4:06 PM | 0.6 | -0.9 | -0.7 | -0.4 | 1.9 |
| 9/19/2020 4:12 PM | 0.6 | -1.0 | -0.7 | -0.4 | 2.0 |
| 9/19/2020 4:18 PM | 0.7 | -1.0 | -0.7 | -0.4 | 2.0 |
| 9/19/2020 4:24 PM | 0.6 | -1.0 | -0.7 | -0.4 | 1.9 |
| 9/19/2020 4:30 PM | 0.6 | -1.0 | -0.6 | -0.4 | 1.8 |
| 9/19/2020 4:36 PM | 0.6 | -1.0 | -0.6 | -0.4 | 1.8 |
| 9/19/2020 4:42 PM | 0.6 | -1.1 | -0.6 | -0.4 | 1.8 |
| 9/19/2020 4:48 PM | 0.6 | -1.1 | -0.7 | -0.4 | 1.9 |
| 9/19/2020 4:54 PM | 0.6 | -1.1 | -0.7 | -0.4 | 1.9 |
| 9/19/2020 5:00 PM | 0.6 | -1.0 | -0.7 | -0.4 | 1.9 |
| 9/19/2020 5:06 PM | 0.6 | -1.0 | -0.7 | -0.4 | 1.9 |
| 9/19/2020 5:12 PM | 0.6 | -1.0 | -0.7 | -0.4 | 1.9 |
| 9/19/2020 5:18 PM | 0.6 | -1.0 | -0.7 | -0.4 | 1.7 |
| 9/19/2020 5:24 PM | 0.6 | -1.1 | -0.7 | -0.4 | 1.7 |
| 9/19/2020 5:30 PM | 0.5 | -1.1 | -0.7 | -0.4 | 1.7 |
| 9/19/2020 5:36 PM | 0.4 | -1.1 | -0.7 | -0.4 | 1.8 |
| 9/19/2020 5:42 PM | 0.4 | -1.1 | -0.7 | -0.4 | 1.8 |
| 9/19/2020 5:48 PM | 0.4 | -1.0 | -0.7 | -0.4 | 1.8 |
| 9/19/2020 5:54 PM | 0.4 | -1.0 | -0.7 | -0.4 | 1.8 |
| 9/19/2020 6:00 PM | 0.4 | -1.1 | -0.7 | -0.4 | 1.8 |
| 9/19/2020 6:06 PM | 0.4 | -1.1 | -0.7 | -0.4 | 1.8 |
| 9/19/2020 6:12 PM | 0.4 | -1.1 | -0.7 | -0.4 | 1.8 |
| 9/19/2020 6:18 PM | 0.4 | -1.1 | -0.7 | -0.4 | 1.8 |
| 9/19/2020 6:24 PM | 0.4 | -1.1 | -0.7 | -0.4 | 1.8 |
| 9/19/2020 6:30 PM | 0.4 | -1.0 | -0.7 | -0.4 | 1.9 |
| 9/19/2020 6:36 PM | 0.4 | -1.0 | -0.7 | -0.4 | 1.9 |
| 9/19/2020 6:42 PM | 0.4 | -1.0 | -0.8 | -0.4 | 1.9 |
| 9/19/2020 6:48 PM | 0.4 | -1.0 | -0.8 | -0.4 | 1.9 |

|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 9/19/2020 6:54 PM  | 0.4 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 7:00 PM  | 0.4 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 7:06 PM  | 0.4 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 7:12 PM  | 0.4 | -1.1 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 7:18 PM  | 0.4 | -1.1 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 7:24 PM  | 0.4 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 7:30 PM  | 0.4 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 7:36 PM  | 0.4 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 7:42 PM  | 0.4 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 7:48 PM  | 0.4 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 7:54 PM  | 0.4 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 8:00 PM  | 0.4 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 8:06 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 8:12 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 8:18 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 8:24 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 8:30 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 8:36 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 8:42 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 8:48 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 8:54 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 2.0 |
| 9/19/2020 9:00 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 9:06 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 9:12 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 9:18 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 9:24 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 9:30 PM  | 0.3 | -1.0 | -0.8 | -0.3 | 1.9 |
| 9/19/2020 9:36 PM  | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 9:42 PM  | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 9:48 PM  | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 9:54 PM  | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 10:00 PM | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 10:06 PM | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 10:12 PM | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 10:18 PM | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 10:24 PM | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 10:30 PM | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 10:36 PM | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 10:42 PM | 0.3 | -1.0 | -0.7 | -0.3 | 1.9 |
| 9/19/2020 10:48 PM | 0.2 | -1.0 | -0.7 | -0.3 | 2.0 |
| 9/19/2020 10:54 PM | 0.2 | -1.0 | -0.7 | -0.3 | 2.0 |
| 9/19/2020 11:00 PM | 0.2 | -1.0 | -0.7 | -0.3 | 2.0 |
| 9/19/2020 11:06 PM | 0.3 | -1.0 | -0.7 | -0.3 | 2.0 |
| 9/19/2020 11:12 PM | 0.3 | -1.0 | -0.7 | -0.3 | 2.0 |
| 9/19/2020 11:18 PM | 0.2 | -1.0 | -0.7 | -0.3 | 2.0 |
| 9/19/2020 11:24 PM | 0.2 | -1.0 | -0.7 | -0.3 | 2.0 |
| 9/19/2020 11:30 PM | 0.3 | -1.0 | -0.7 | -0.3 | 2.0 |
| 9/19/2020 11:36 PM | 0.2 | -1.0 | -0.7 | -0.3 | 2.0 |
| 9/19/2020 11:42 PM | 0.2 | -1.0 | -0.7 | -0.3 | 2.0 |
| 9/19/2020 11:48 PM | 0.2 | -1.0 | -0.7 | -0.3 | 1.9 |

|                    |     |      |      |      |      |
|--------------------|-----|------|------|------|------|
| 9/19/2020 11:54 PM | 0.2 | -1.0 | -0.7 | -0.3 | 1.9  |
| 9/20/2020 12:00 AM | 0.2 | -1.0 | -0.7 | -0.3 | 1.9  |
| 9/20/2020 12:06 AM | 0.2 | -1.0 | -0.7 | -0.3 | 1.9  |
| 9/20/2020 12:12 AM | 0.4 | -0.9 | -0.7 | -0.3 | 1.5  |
| 9/20/2020 12:18 AM | 0.5 | -0.9 | -0.7 | -0.3 | 0.4  |
| 9/20/2020 12:24 AM | 0.4 | -1.0 | -0.7 | -0.3 | 0.0  |
| 9/20/2020 12:30 AM | 0.4 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 12:36 AM | 0.5 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 12:42 AM | 0.5 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 12:48 AM | 0.4 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 12:54 AM | 0.3 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 1:00 AM  | 0.3 | -1.0 | -0.6 | -0.3 | -0.1 |
| 9/20/2020 1:06 AM  | 0.3 | -1.0 | -0.6 | -0.3 | -0.1 |
| 9/20/2020 1:12 AM  | 0.3 | -1.0 | -0.6 | -0.3 | -0.1 |
| 9/20/2020 1:18 AM  | 0.3 | -1.0 | -0.6 | -0.3 | -0.1 |
| 9/20/2020 1:24 AM  | 0.2 | -1.0 | -0.6 | -0.3 | -0.1 |
| 9/20/2020 1:30 AM  | 0.2 | -1.0 | -0.6 | -0.3 | -0.1 |
| 9/20/2020 1:36 AM  | 0.2 | -1.0 | -0.6 | -0.3 | -0.1 |
| 9/20/2020 1:42 AM  | 0.2 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 1:48 AM  | 0.2 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 1:54 AM  | 0.2 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 2:00 AM  | 0.2 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 2:06 AM  | 0.2 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 2:12 AM  | 0.2 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 2:18 AM  | 0.2 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 2:24 AM  | 0.2 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 2:30 AM  | 0.2 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 2:36 AM  | 0.2 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 2:42 AM  | 0.1 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 2:48 AM  | 0.1 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 2:54 AM  | 0.1 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 3:00 AM  | 0.1 | -1.0 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 3:06 AM  | 0.1 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 3:12 AM  | 0.1 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 3:18 AM  | 0.0 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 3:24 AM  | 0.0 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 3:30 AM  | 0.0 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 3:36 AM  | 0.0 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 3:42 AM  | 0.0 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 3:48 AM  | 0.0 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 3:54 AM  | 0.0 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 4:00 AM  | 0.0 | -0.9 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 4:06 AM  | 0.0 | -0.9 | -0.8 | -0.3 | -0.1 |
| 9/20/2020 4:12 AM  | 0.0 | -0.9 | -0.8 | -0.3 | -0.1 |
| 9/20/2020 4:18 AM  | 0.0 | -0.9 | -0.8 | -0.3 | -0.1 |
| 9/20/2020 4:24 AM  | 0.1 | -0.9 | -0.8 | -0.3 | -0.1 |
| 9/20/2020 4:30 AM  | 0.1 | -0.9 | -0.8 | -0.3 | -0.1 |
| 9/20/2020 4:36 AM  | 0.2 | -0.9 | -0.8 | -0.3 | -0.1 |
| 9/20/2020 4:42 AM  | 0.2 | -0.9 | -0.8 | -0.3 | -0.1 |
| 9/20/2020 4:48 AM  | 0.3 | -0.8 | -0.8 | -0.3 | -0.1 |

|                   |     |      |      |      |      |
|-------------------|-----|------|------|------|------|
| 9/20/2020 4:54 AM | 0.3 | -0.8 | -0.8 | -0.2 | -0.1 |
| 9/20/2020 5:00 AM | 0.4 | -0.8 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 5:06 AM | 0.4 | -0.8 | -0.7 | -0.2 | -0.1 |
| 9/20/2020 5:12 AM | 0.4 | -0.8 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 5:18 AM | 0.4 | -0.8 | -0.7 | -0.2 | -0.1 |
| 9/20/2020 5:24 AM | 0.4 | -0.8 | -0.7 | -0.2 | -0.1 |
| 9/20/2020 5:30 AM | 0.5 | -0.8 | -0.7 | -0.2 | -0.1 |
| 9/20/2020 5:36 AM | 0.4 | -0.8 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 5:42 AM | 0.5 | -0.8 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 5:48 AM | 0.5 | -0.8 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 5:54 AM | 0.5 | -0.8 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 6:00 AM | 0.5 | -0.7 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 6:06 AM | 0.5 | -0.7 | -0.8 | -0.3 | -0.1 |
| 9/20/2020 6:12 AM | 0.5 | -0.7 | -0.8 | -0.3 | -0.1 |
| 9/20/2020 6:18 AM | 0.5 | -0.7 | -0.8 | -0.3 | -0.1 |
| 9/20/2020 6:24 AM | 0.5 | -0.7 | -0.9 | -0.3 | -0.1 |
| 9/20/2020 6:30 AM | 0.5 | -0.7 | -0.9 | -0.3 | -0.1 |
| 9/20/2020 6:36 AM | 0.5 | -0.7 | -0.9 | -0.3 | -0.1 |
| 9/20/2020 6:42 AM | 0.5 | -0.6 | -1.0 | -0.3 | -0.1 |
| 9/20/2020 6:48 AM | 0.5 | -0.7 | -1.1 | -0.3 | -0.1 |
| 9/20/2020 6:54 AM | 0.5 | -0.7 | -1.0 | -0.3 | -0.1 |
| 9/20/2020 7:00 AM | 0.5 | -0.7 | -1.0 | -0.3 | -0.1 |
| 9/20/2020 7:06 AM | 0.6 | -0.7 | -0.9 | -0.3 | -0.1 |
| 9/20/2020 7:12 AM | 0.3 | -0.7 | -0.9 | -0.3 | -0.1 |
| 9/20/2020 7:18 AM | 0.1 | -0.6 | -0.9 | -0.3 | -0.1 |
| 9/20/2020 7:24 AM | 0.0 | -0.7 | -0.8 | -0.3 | -0.1 |
| 9/20/2020 7:30 AM | 0.0 | -0.7 | -0.7 | -0.3 | -0.1 |
| 9/20/2020 7:36 AM | 0.1 | -0.7 | -0.6 | -0.3 | -0.1 |
| 9/20/2020 7:42 AM | 0.1 | -0.6 | -0.6 | -0.3 | -0.1 |
| 9/20/2020 7:48 AM | 0.1 | -0.5 | -0.5 | -0.3 | -0.1 |
| 9/20/2020 7:54 AM | 0.1 | -0.5 | -0.5 | -0.3 | -0.1 |
| 9/20/2020 8:00 AM | 0.1 | -0.6 | -0.5 | -0.3 | -0.1 |
| 9/20/2020 8:06 AM | 0.2 | -0.7 | -0.5 | -0.3 | -0.1 |
| 9/20/2020 8:12 AM | 0.2 | -0.7 | -0.5 | -0.3 | -0.1 |
| 9/20/2020 8:18 AM | 0.2 | -0.7 | -0.5 | -0.3 | -0.1 |
| 9/20/2020 8:24 AM | 0.2 | -0.7 | -0.5 | -0.3 | -0.1 |
| 9/20/2020 8:30 AM | 0.2 | -0.7 | -0.5 | -0.3 | -0.1 |
| 9/20/2020 8:36 AM | 0.3 | -0.7 | -0.5 | -0.3 | -0.1 |
| 9/20/2020 8:42 AM | 0.3 | -0.6 | -0.5 | -0.3 | -0.1 |
| 9/20/2020 8:48 AM | 0.3 | -0.6 | -0.5 | -0.3 | -0.1 |
| 9/20/2020 8:54 AM | 0.3 | -0.6 | -0.6 | -0.3 | -0.1 |
| 9/20/2020 9:00 AM | 0.3 | -0.6 | -0.6 | -0.3 | -0.1 |
| 9/20/2020 9:06 AM | 0.3 | -0.5 | -0.6 | -0.3 | 6.1  |
| 9/20/2020 9:12 AM | 0.2 | -0.6 | -0.6 | -0.3 | 9.2  |
| 9/20/2020 9:18 AM | 0.3 | -0.7 | -0.6 | -0.3 | 5.1  |
| 9/20/2020 9:24 AM | 0.3 | -0.7 | -0.6 | -0.3 | 5.0  |
| 9/20/2020 9:30 AM | 0.4 | -0.6 | -0.6 | -0.3 | 4.9  |
| 9/20/2020 9:36 AM | 0.4 | -0.6 | -0.5 | -0.3 | 4.6  |
| 9/20/2020 9:42 AM | 0.4 | -0.6 | -0.4 | -0.3 | 3.9  |
| 9/20/2020 9:48 AM | 0.4 | -0.5 | -0.3 | -0.3 | 3.2  |

|                    |     |      |      |      |     |
|--------------------|-----|------|------|------|-----|
| 9/20/2020 9:54 AM  | 0.4 | -0.5 | -0.1 | -0.3 | 2.9 |
| 9/20/2020 10:00 AM | 0.4 | -0.5 | -0.1 | -0.3 | 2.7 |
| 9/20/2020 10:06 AM | 0.4 | -0.5 | 0.0  | -0.3 | 2.5 |
| 9/20/2020 10:12 AM | 0.4 | -0.5 | 0.0  | -0.3 | 2.4 |
| 9/20/2020 10:18 AM | 0.4 | -0.5 | 0.0  | -0.3 | 2.4 |
| 9/20/2020 10:24 AM | 0.4 | -0.4 | -0.1 | -0.3 | 2.3 |
| 9/20/2020 10:30 AM | 0.4 | -0.5 | -0.2 | -0.3 | 2.3 |
| 9/20/2020 10:36 AM | 0.7 | -0.6 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 10:42 AM | 0.9 | -0.3 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 10:48 AM | 0.8 | -0.3 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 10:54 AM | 0.8 | -0.3 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 11:00 AM | 0.8 | -0.3 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 11:06 AM | 0.7 | -0.3 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 11:12 AM | 0.7 | -0.3 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 11:18 AM | 0.6 | -0.6 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 11:24 AM | 0.6 | -0.6 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 11:30 AM | 0.6 | -0.4 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 11:36 AM | 0.6 | -0.5 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 11:42 AM | 0.6 | -0.4 | -0.2 | -0.3 | 2.2 |
| 9/20/2020 11:48 AM | 0.6 | -0.4 | -0.1 | -0.3 | 2.2 |
| 9/20/2020 11:54 AM | 0.5 | -0.3 | 0.0  | -0.3 | 2.3 |
| 9/20/2020 12:00 PM | 0.6 | -0.3 | 0.1  | -0.3 | 2.3 |
| 9/20/2020 12:06 PM | 0.6 | -0.4 | 0.3  | -0.3 | 2.2 |
| 9/20/2020 12:12 PM | 0.6 | -0.5 | 0.3  | -0.3 | 2.2 |
| 9/20/2020 12:18 PM | 0.5 | -0.5 | 0.3  | -0.3 | 2.2 |
| 9/20/2020 12:24 PM | 0.6 | -0.4 | 0.2  | -0.3 | 2.3 |
| 9/20/2020 12:30 PM | 0.6 | -0.2 | 0.0  | -0.3 | 2.3 |
| 9/20/2020 12:36 PM | 0.5 | -0.2 | -0.1 | -0.3 | 2.2 |
| 9/20/2020 12:42 PM | 0.5 | -0.1 | -0.3 | -0.3 | 2.2 |
| 9/20/2020 12:48 PM | 0.6 | 0.1  | -0.4 | -0.3 | 2.2 |
| 9/20/2020 12:54 PM | 0.5 | 0.1  | -0.4 | -0.3 | 2.2 |
| 9/20/2020 1:00 PM  | 0.5 | 0.2  | -0.5 | -0.3 | 2.2 |
| 9/20/2020 1:06 PM  | 0.5 | 0.2  | -0.5 | -0.3 | 2.2 |
| 9/20/2020 1:12 PM  | 0.5 | 0.2  | -0.5 | -0.3 | 2.2 |
| 9/20/2020 1:18 PM  | 0.6 | 0.1  | -0.4 | -0.3 | 2.2 |
| 9/20/2020 1:24 PM  | 0.5 | 0.0  | -0.3 | -0.3 | 2.2 |
| 9/20/2020 1:30 PM  | 0.5 | 0.0  | -0.3 | -0.3 | 2.2 |
| 9/20/2020 1:36 PM  | 0.5 | -0.1 | -0.1 | -0.3 | 2.2 |
| 9/20/2020 1:42 PM  | 0.5 | -0.2 | 0.1  | -0.3 | 2.1 |
| 9/20/2020 1:48 PM  | 0.5 | -0.2 | 0.2  | -0.3 | 2.1 |
| 9/20/2020 1:54 PM  | 0.5 | -0.3 | 0.2  | -0.3 | 2.2 |
| 9/20/2020 2:00 PM  | 0.5 | -0.3 | 0.1  | -0.3 | 2.1 |
| 9/20/2020 2:06 PM  | 0.5 | -0.3 | 0.1  | -0.3 | 2.2 |
| 9/20/2020 2:12 PM  | 0.5 | -0.3 | 0.0  | -0.3 | 2.2 |
| 9/20/2020 2:18 PM  | 0.5 | -0.2 | -0.1 | -0.3 | 2.2 |
| 9/20/2020 2:24 PM  | 0.5 | -0.1 | -0.2 | -0.3 | 2.1 |
| 9/20/2020 2:30 PM  | 0.5 | 0.1  | -0.3 | -0.3 | 2.1 |
| 9/20/2020 2:36 PM  | 0.5 | 0.2  | -0.4 | -0.2 | 2.1 |
| 9/20/2020 2:42 PM  | 0.5 | 0.3  | -0.4 | -0.2 | 2.1 |
| 9/20/2020 2:48 PM  | 0.6 | 0.4  | -0.4 | -0.2 | 2.0 |

|                   |     |      |      |      |     |
|-------------------|-----|------|------|------|-----|
| 9/20/2020 2:54 PM | 0.5 | 0.3  | -0.4 | -0.3 | 2.0 |
| 9/20/2020 3:00 PM | 0.6 | 0.2  | -0.3 | -0.3 | 2.0 |
| 9/20/2020 3:06 PM | 0.6 | 0.1  | -0.2 | -0.3 | 2.0 |
| 9/20/2020 3:12 PM | 0.6 | 0.1  | -0.2 | -0.3 | 2.0 |
| 9/20/2020 3:18 PM | 0.6 | -0.1 | -0.1 | -0.3 | 2.0 |
| 9/20/2020 3:24 PM | 0.6 | -0.2 | 0.0  | -0.3 | 2.1 |
| 9/20/2020 3:30 PM | 0.7 | -0.3 | 0.1  | -0.3 | 2.1 |
| 9/20/2020 3:36 PM | 0.7 | -0.3 | 0.1  | -0.3 | 2.1 |
| 9/20/2020 3:42 PM | 0.7 | -0.2 | 0.0  | -0.3 | 2.0 |
| 9/20/2020 3:48 PM | 0.7 | -0.1 | -0.1 | -0.3 | 2.0 |
| 9/20/2020 3:54 PM | 0.7 | 0.0  | -0.2 | -0.2 | 2.1 |
| 9/20/2020 4:00 PM | 0.7 | 0.2  | -0.3 | -0.3 | 2.1 |
| 9/20/2020 4:06 PM | 0.6 | 0.4  | -0.4 | -0.3 | 2.1 |
| 9/20/2020 4:12 PM | 0.6 | 0.5  | -0.5 | -0.3 | 2.2 |
| 9/20/2020 4:18 PM | 0.6 | 0.7  | -0.5 | -0.3 | 2.2 |
| 9/20/2020 4:24 PM | 0.6 | 0.8  | -0.5 | -0.3 | 2.1 |
| 9/20/2020 4:30 PM | 0.6 | 0.9  | -0.5 | -0.2 | 2.1 |
| 9/20/2020 4:36 PM | 0.6 | 0.8  | -0.5 | -0.2 | 2.1 |
| 9/20/2020 4:42 PM | 0.6 | 0.9  | -0.5 | -0.2 | 2.2 |
| 9/20/2020 4:48 PM | 0.6 | 0.9  | -0.6 | -0.2 | 2.1 |
| 9/20/2020 4:54 PM | 0.6 | 0.7  | -0.6 | -0.2 | 2.1 |
| 9/20/2020 5:00 PM | 0.6 | 0.5  | -0.6 | -0.2 | 2.1 |
| 9/20/2020 5:06 PM | 0.6 | 0.5  | -0.6 | -0.2 | 2.1 |
| 9/20/2020 5:12 PM | 0.6 | 0.5  | -0.7 | -0.2 | 2.1 |
| 9/20/2020 5:18 PM | 0.6 | 0.3  | -0.7 | -0.2 | 2.1 |
| 9/20/2020 5:24 PM | 0.6 | 0.3  | -0.7 | -0.2 | 2.1 |
| 9/20/2020 5:30 PM | 0.6 | 0.5  | -0.7 | -0.2 | 2.1 |
| 9/20/2020 5:36 PM | 0.6 | 0.6  | -0.7 | -0.2 | 2.1 |
| 9/20/2020 5:42 PM | 0.5 | 0.7  | -0.7 | -0.2 | 2.1 |
| 9/20/2020 5:48 PM | 0.5 | 0.8  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 5:54 PM | 0.5 | 1.1  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 6:00 PM | 0.5 | 1.2  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 6:06 PM | 0.5 | 1.3  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 6:12 PM | 0.5 | 1.3  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 6:18 PM | 0.5 | 1.2  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 6:24 PM | 0.5 | 1.2  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 6:30 PM | 0.5 | 1.2  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 6:36 PM | 0.5 | 1.2  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 6:42 PM | 0.5 | 1.2  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 6:48 PM | 0.5 | 1.2  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 6:54 PM | 0.5 | 1.2  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 7:00 PM | 0.5 | 1.2  | -0.8 | -0.2 | 2.0 |
| 9/20/2020 7:06 PM | 0.5 | 1.1  | -0.8 | -0.2 | 2.0 |
| 9/20/2020 7:12 PM | 0.5 | 1.1  | -0.8 | -0.2 | 2.0 |
| 9/20/2020 7:18 PM | 0.5 | 1.2  | -0.8 | -0.2 | 2.0 |
| 9/20/2020 7:24 PM | 0.5 | 1.1  | -0.8 | -0.2 | 2.0 |
| 9/20/2020 7:30 PM | 0.5 | 1.1  | -0.8 | -0.2 | 2.0 |
| 9/20/2020 7:36 PM | 0.5 | 1.1  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 7:42 PM | 0.5 | 1.1  | -0.8 | -0.2 | 2.1 |
| 9/20/2020 7:48 PM | 0.5 | 1.1  | -0.8 | -0.2 | 2.0 |



|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/20/2020 7:54 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 8:00 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 8:06 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 8:12 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 8:18 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 8:24 PM  | 0.5  | 1.0 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 8:30 PM  | 0.5  | 1.0 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 8:36 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 8:42 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 8:48 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 8:54 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 9:00 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 9:06 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 9:12 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 9:18 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 9:24 PM  | 0.4  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 9:30 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 9:36 PM  | 0.5  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 9:42 PM  | 0.4  | 1.0 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 9:48 PM  | 0.4  | 1.0 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 9:54 PM  | 0.4  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 10:00 PM | 0.4  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 10:06 PM | 0.4  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 10:12 PM | 0.4  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 10:18 PM | 0.4  | 1.1 | -0.8 | -0.2 | 2.1 |
| 9/20/2020 10:24 PM | 0.4  | 1.2 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 10:30 PM | 0.4  | 1.1 | -0.8 | -0.2 | 2.0 |
| 9/20/2020 10:36 PM | 0.4  | 1.1 | -0.7 | -0.2 | 2.0 |
| 9/20/2020 10:42 PM | 0.5  | 1.0 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 10:48 PM | 0.4  | 1.0 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 10:54 PM | 0.4  | 1.1 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 11:00 PM | 0.4  | 1.1 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 11:06 PM | 0.4  | 1.1 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 11:12 PM | 0.4  | 1.1 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 11:18 PM | 0.4  | 1.1 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 11:24 PM | 0.5  | 1.1 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 11:30 PM | 0.6  | 1.1 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 11:36 PM | 0.5  | 1.1 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 11:42 PM | 0.5  | 1.1 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 11:48 PM | 0.4  | 1.0 | -0.7 | -0.2 | 2.1 |
| 9/20/2020 11:54 PM | 0.4  | 1.0 | -0.7 | -0.2 | 2.1 |
| 9/21/2020 12:00 AM | 0.4  | 1.0 | -0.7 | -0.2 | 2.1 |
| 9/21/2020 12:06 AM | 0.4  | 1.0 | -0.7 | -0.2 | 2.1 |
| 9/21/2020 12:12 AM | 0.3  | 1.0 | -0.7 | -0.2 | 2.5 |
| 9/21/2020 12:18 AM | 0.0  | 1.0 | -0.7 | -0.2 | 2.7 |
| 9/21/2020 12:24 AM | -0.3 | 1.0 | -0.7 | -0.2 | 2.5 |
| 9/21/2020 12:30 AM | -0.3 | 1.0 | -0.7 | -0.2 | 2.4 |
| 9/21/2020 12:36 AM | -0.4 | 1.0 | -0.7 | -0.2 | 2.4 |
| 9/21/2020 12:42 AM | -0.4 | 0.9 | -0.7 | -0.2 | 2.4 |
| 9/21/2020 12:48 AM | -0.4 | 0.8 | -0.7 | -0.2 | 2.4 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/21/2020 12:54 AM | -0.4 | 1.0 | -0.7 | -0.2 | 2.7 |
| 9/21/2020 1:00 AM  | -0.4 | 1.0 | -0.7 | -0.2 | 2.9 |
| 9/21/2020 1:06 AM  | -0.4 | 0.9 | -0.7 | -0.2 | 2.8 |
| 9/21/2020 1:12 AM  | -0.4 | 1.0 | -0.7 | -0.2 | 2.8 |
| 9/21/2020 1:18 AM  | -0.4 | 0.9 | -0.7 | -0.2 | 2.8 |
| 9/21/2020 1:24 AM  | -0.4 | 1.0 | -0.7 | -0.2 | 2.8 |
| 9/21/2020 1:30 AM  | -0.4 | 1.0 | -0.7 | -0.2 | 2.7 |
| 9/21/2020 1:36 AM  | -0.4 | 1.1 | -0.7 | -0.2 | 2.7 |
| 9/21/2020 1:42 AM  | -0.4 | 1.1 | -0.7 | -0.2 | 2.7 |
| 9/21/2020 1:48 AM  | -0.4 | 1.1 | -0.7 | -0.2 | 2.7 |
| 9/21/2020 1:54 AM  | -0.4 | 1.1 | -0.7 | -0.2 | 2.8 |
| 9/21/2020 2:00 AM  | -0.4 | 1.1 | -0.7 | -0.2 | 2.7 |
| 9/21/2020 2:06 AM  | -0.4 | 1.1 | -0.7 | -0.2 | 2.7 |
| 9/21/2020 2:12 AM  | -0.4 | 1.1 | -0.7 | -0.2 | 2.7 |
| 9/21/2020 2:18 AM  | -0.4 | 1.1 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 2:24 AM  | -0.4 | 1.1 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 2:30 AM  | -0.4 | 1.1 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 2:36 AM  | -0.4 | 1.2 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 2:42 AM  | -0.4 | 1.2 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 2:48 AM  | -0.4 | 1.2 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 2:54 AM  | -0.4 | 1.2 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 3:00 AM  | -0.5 | 1.2 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 3:06 AM  | -0.5 | 1.2 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 3:12 AM  | -0.5 | 1.2 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 3:18 AM  | -0.5 | 1.2 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 3:24 AM  | -0.5 | 1.3 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 3:30 AM  | -0.5 | 1.2 | -0.7 | -0.2 | 2.5 |
| 9/21/2020 3:36 AM  | -0.5 | 1.2 | -0.7 | -0.2 | 2.5 |
| 9/21/2020 3:42 AM  | -0.5 | 1.3 | -0.7 | -0.2 | 2.5 |
| 9/21/2020 3:48 AM  | -0.5 | 1.2 | -0.7 | -0.2 | 2.5 |
| 9/21/2020 3:54 AM  | -0.5 | 1.2 | -0.7 | -0.2 | 2.4 |
| 9/21/2020 4:00 AM  | -0.5 | 1.3 | -0.7 | -0.2 | 2.5 |
| 9/21/2020 4:06 AM  | -0.5 | 1.3 | -0.7 | -0.2 | 2.5 |
| 9/21/2020 4:12 AM  | -0.5 | 1.2 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 4:18 AM  | -0.5 | 1.4 | -0.7 | -0.2 | 2.6 |
| 9/21/2020 4:24 AM  | -0.5 | 1.5 | -0.7 | -0.2 | 2.5 |
| 9/21/2020 4:30 AM  | -0.5 | 1.4 | -0.7 | -0.2 | 2.4 |
| 9/21/2020 4:36 AM  | -0.5 | 1.3 | -0.7 | -0.2 | 2.5 |
| 9/21/2020 4:42 AM  | -0.5 | 1.3 | -0.7 | -0.2 | 2.5 |
| 9/21/2020 4:48 AM  | -0.5 | 1.3 | -0.7 | -0.2 | 2.2 |
| 9/21/2020 4:54 AM  | -0.5 | 1.3 | -0.7 | -0.2 | 2.1 |
| 9/21/2020 5:00 AM  | -0.5 | 1.3 | -0.7 | -0.2 | 2.1 |
| 9/21/2020 5:06 AM  | -0.4 | 1.3 | -0.7 | -0.2 | 2.2 |
| 9/21/2020 5:12 AM  | -0.5 | 1.5 | -0.7 | -0.2 | 2.2 |
| 9/21/2020 5:18 AM  | -0.5 | 1.5 | -0.7 | -0.2 | 2.3 |
| 9/21/2020 5:24 AM  | -0.5 | 1.4 | -0.7 | -0.2 | 2.2 |
| 9/21/2020 5:30 AM  | -0.5 | 1.5 | -0.7 | -0.2 | 2.2 |
| 9/21/2020 5:36 AM  | -0.5 | 1.6 | -0.7 | -0.2 | 2.2 |
| 9/21/2020 5:42 AM  | -0.5 | 1.6 | -0.7 | -0.2 | 2.2 |
| 9/21/2020 5:48 AM  | -0.5 | 1.6 | -0.7 | -0.2 | 2.2 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/21/2020 5:54 AM  | -0.5 | 1.6  | -0.7 | -0.2 | 2.2 |
| 9/21/2020 6:00 AM  | -0.5 | 1.5  | -0.7 | -0.2 | 2.2 |
| 9/21/2020 6:06 AM  | -0.5 | 0.3  | -0.7 | -0.2 | 2.2 |
| 9/21/2020 6:12 AM  | -0.5 | 0.7  | -0.8 | -0.2 | 2.2 |
| 9/21/2020 6:18 AM  | -0.5 | 1.1  | -0.8 | -0.2 | 2.2 |
| 9/21/2020 6:24 AM  | -0.5 | 0.5  | -0.9 | -0.2 | 2.2 |
| 9/21/2020 6:30 AM  | -0.5 | 1.4  | -0.9 | -0.2 | 2.2 |
| 9/21/2020 6:36 AM  | -0.5 | 1.9  | -0.9 | -0.2 | 2.2 |
| 9/21/2020 6:42 AM  | -0.5 | 2.0  | -0.9 | -0.2 | 2.2 |
| 9/21/2020 6:48 AM  | -0.5 | 2.0  | -0.9 | -0.2 | 2.2 |
| 9/21/2020 6:54 AM  | -0.5 | 2.1  | -0.8 | -0.2 | 2.2 |
| 9/21/2020 7:00 AM  | -0.5 | 2.0  | -0.8 | -0.2 | 2.2 |
| 9/21/2020 7:06 AM  | -0.5 | 2.1  | -0.8 | -0.2 | 2.2 |
| 9/21/2020 7:12 AM  | -0.5 | 2.1  | -0.7 | -0.2 | 2.2 |
| 9/21/2020 7:18 AM  | -0.5 | 2.1  | -0.7 | 1.3  | 2.2 |
| 9/21/2020 7:24 AM  | -0.5 | 2.2  | -0.6 | 7.1  | 2.1 |
| 9/21/2020 7:30 AM  | -0.5 | 2.1  | -0.5 | 7.9  | 1.9 |
| 9/21/2020 7:36 AM  | -0.5 | 2.1  | -0.5 | 3.9  | 1.9 |
| 9/21/2020 7:42 AM  | -0.4 | 1.9  | -0.5 | 3.2  | 2.0 |
| 9/21/2020 7:48 AM  | -0.4 | 1.8  | -0.5 | 2.9  | 2.0 |
| 9/21/2020 7:54 AM  | -0.4 | 1.7  | -0.5 | 2.6  | 2.0 |
| 9/21/2020 8:00 AM  | -0.4 | 0.8  | -0.5 | 4.8  | 2.0 |
| 9/21/2020 8:06 AM  | -0.4 | 0.5  | -0.5 | 4.7  | 2.0 |
| 9/21/2020 8:12 AM  | -0.4 | 0.4  | -0.5 | 2.9  | 2.0 |
| 9/21/2020 8:18 AM  | -0.4 | -0.4 | -0.5 | 2.0  | 2.0 |
| 9/21/2020 8:24 AM  | -0.4 | -0.2 | -0.5 | 1.8  | 2.1 |
| 9/21/2020 8:30 AM  | -0.4 | -0.5 | -0.5 | 1.7  | 2.1 |
| 9/21/2020 8:36 AM  | -0.4 | -0.5 | -0.4 | 1.6  | 2.1 |
| 9/21/2020 8:42 AM  | -0.4 | -0.3 | -0.4 | 1.6  | 2.1 |
| 9/21/2020 8:48 AM  | -0.4 | -0.3 | -0.4 | 1.7  | 2.1 |
| 9/21/2020 8:54 AM  | -0.3 | -0.3 | -0.4 | 1.8  | 2.1 |
| 9/21/2020 9:00 AM  | -0.3 | -0.2 | -0.4 | 2.0  | 2.1 |
| 9/21/2020 9:06 AM  | -0.4 | -0.2 | -0.4 | 2.1  | 2.1 |
| 9/21/2020 9:12 AM  | -0.3 | -0.1 | -0.4 | 2.2  | 2.2 |
| 9/21/2020 9:18 AM  | -0.3 | 0.0  | -0.4 | 2.2  | 2.2 |
| 9/21/2020 9:24 AM  | -0.3 | 0.0  | -0.4 | 2.2  | 2.2 |
| 9/21/2020 9:30 AM  | -0.3 | 0.1  | -0.4 | 2.1  | 2.2 |
| 9/21/2020 9:36 AM  | -0.3 | 0.2  | -0.3 | 2.1  | 2.2 |
| 9/21/2020 9:42 AM  | -0.3 | 0.2  | -0.2 | 2.1  | 2.2 |
| 9/21/2020 9:48 AM  | -0.3 | 0.3  | -0.1 | 2.0  | 2.2 |
| 9/21/2020 9:54 AM  | -0.3 | 0.4  | 0.0  | 1.9  | 2.2 |
| 9/21/2020 10:00 AM | -0.3 | 0.4  | 0.1  | 1.9  | 2.2 |
| 9/21/2020 10:06 AM | -0.3 | 0.5  | 0.1  | 1.9  | 2.1 |
| 9/21/2020 10:12 AM | -0.3 | 0.5  | 0.1  | 1.9  | 2.1 |
| 9/21/2020 10:18 AM | -0.3 | 0.5  | 0.0  | 1.9  | 2.1 |
| 9/21/2020 10:24 AM | -0.3 | 0.5  | -0.1 | 1.8  | 2.1 |
| 9/21/2020 10:30 AM | -0.3 | 0.6  | -0.2 | 1.6  | 2.1 |
| 9/21/2020 10:36 AM | -0.2 | 0.6  | -0.3 | 1.6  | 2.1 |
| 9/21/2020 10:42 AM | -0.2 | 0.6  | -0.3 | 1.5  | 2.1 |
| 9/21/2020 10:48 AM | -0.2 | 0.6  | -0.3 | 1.5  | 2.1 |

|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 9/21/2020 10:54 AM | -0.2 | 0.6  | -0.2 | 1.4 | 2.1 |
| 9/21/2020 11:00 AM | -0.2 | 0.6  | -0.2 | 1.3 | 2.1 |
| 9/21/2020 11:06 AM | -0.2 | 0.6  | -0.2 | 1.3 | 2.1 |
| 9/21/2020 11:12 AM | -0.2 | 0.5  | -0.2 | 1.3 | 2.1 |
| 9/21/2020 11:18 AM | -0.2 | 0.3  | -0.2 | 1.3 | 2.1 |
| 9/21/2020 11:24 AM | -0.2 | 0.1  | -0.2 | 1.3 | 2.1 |
| 9/21/2020 11:30 AM | -0.1 | 0.1  | -0.1 | 1.3 | 2.1 |
| 9/21/2020 11:36 AM | -0.1 | 0.1  | 0.0  | 1.3 | 2.1 |
| 9/21/2020 11:42 AM | -0.1 | 0.1  | 0.1  | 1.3 | 2.1 |
| 9/21/2020 11:48 AM | -0.1 | 0.2  | 0.2  | 1.2 | 2.1 |
| 9/21/2020 11:54 AM | -0.1 | 0.2  | 0.3  | 1.2 | 2.1 |
| 9/21/2020 12:00 PM | -0.1 | 0.2  | 0.3  | 1.2 | 2.1 |
| 9/21/2020 12:06 PM | -0.2 | 0.0  | 0.4  | 1.1 | 2.1 |
| 9/21/2020 12:12 PM | -0.1 | -0.1 | 0.3  | 1.1 | 2.1 |
| 9/21/2020 12:18 PM | -0.1 | -0.2 | 0.3  | 1.1 | 2.1 |
| 9/21/2020 12:24 PM | -0.1 | -0.2 | 0.2  | 1.1 | 2.1 |
| 9/21/2020 12:30 PM | -0.2 | -0.2 | 0.1  | 1.0 | 2.1 |
| 9/21/2020 12:36 PM | -0.1 | -0.1 | 0.0  | 1.1 | 2.1 |
| 9/21/2020 12:42 PM | -0.1 | 0.0  | -0.1 | 1.1 | 2.1 |
| 9/21/2020 12:48 PM | -0.1 | 0.1  | -0.2 | 1.1 | 2.1 |
| 9/21/2020 12:54 PM | -0.1 | 0.2  | -0.3 | 1.1 | 2.2 |
| 9/21/2020 1:00 PM  | -0.1 | 0.4  | -0.3 | 1.1 | 2.1 |
| 9/21/2020 1:06 PM  | -0.2 | 0.5  | -0.4 | 1.1 | 2.1 |
| 9/21/2020 1:12 PM  | -0.2 | 0.5  | -0.4 | 1.1 | 2.1 |
| 9/21/2020 1:18 PM  | -0.2 | 0.5  | -0.4 | 1.1 | 2.1 |
| 9/21/2020 1:24 PM  | -0.2 | 0.4  | -0.3 | 1.1 | 2.1 |
| 9/21/2020 1:30 PM  | -0.2 | 0.2  | -0.1 | 1.1 | 2.1 |
| 9/21/2020 1:36 PM  | -0.2 | 0.0  | 0.0  | 1.1 | 2.1 |
| 9/21/2020 1:42 PM  | -0.2 | -0.1 | 0.2  | 1.1 | 2.1 |
| 9/21/2020 1:48 PM  | -0.2 | -0.1 | 0.2  | 1.0 | 2.1 |
| 9/21/2020 1:54 PM  | -0.2 | -0.2 | 0.3  | 1.0 | 2.2 |
| 9/21/2020 2:00 PM  | -0.2 | -0.2 | 0.3  | 1.1 | 2.2 |
| 9/21/2020 2:06 PM  | -0.1 | -0.3 | 0.3  | 1.1 | 2.2 |
| 9/21/2020 2:12 PM  | -0.1 | -0.2 | 0.2  | 1.2 | 2.3 |
| 9/21/2020 2:18 PM  | -0.1 | -0.1 | 0.0  | 1.6 | 2.5 |
| 9/21/2020 2:24 PM  | -0.1 | 0.1  | -0.2 | 1.9 | 2.4 |
| 9/21/2020 2:30 PM  | -0.1 | 0.3  | -0.3 | 1.9 | 2.4 |
| 9/21/2020 2:36 PM  | -0.1 | 0.5  | -0.4 | 1.7 | 2.3 |
| 9/21/2020 2:42 PM  | -0.1 | 0.6  | -0.4 | 1.7 | 2.3 |
| 9/21/2020 2:48 PM  | -0.1 | 0.7  | -0.5 | 1.7 | 2.3 |
| 9/21/2020 2:54 PM  | -0.1 | 0.8  | -0.5 | 1.6 | 2.3 |
| 9/21/2020 3:00 PM  | -0.1 | 0.9  | -0.5 | 1.6 | 2.3 |
| 9/21/2020 3:06 PM  | -0.1 | 0.8  | -0.5 | 1.6 | 2.4 |
| 9/21/2020 3:12 PM  | -0.1 | 0.8  | -0.4 | 1.6 | 2.3 |
| 9/21/2020 3:18 PM  | -0.1 | 0.7  | -0.4 | 1.5 | 2.3 |
| 9/21/2020 3:24 PM  | -0.1 | 0.5  | -0.3 | 1.5 | 2.2 |
| 9/21/2020 3:30 PM  | -0.1 | 0.4  | -0.3 | 1.4 | 2.2 |
| 9/21/2020 3:36 PM  | -0.1 | 0.4  | -0.3 | 1.2 | 2.2 |
| 9/21/2020 3:42 PM  | -0.1 | 0.4  | -0.4 | 0.8 | 2.0 |
| 9/21/2020 3:48 PM  | -0.1 | 0.5  | -0.5 | 0.7 | 2.0 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 9/21/2020 3:54 PM | -0.1 | 0.6 | -0.6 | 0.7 | 2.1 |
| 9/21/2020 4:00 PM | -0.1 | 0.8 | -0.6 | 0.8 | 2.2 |
| 9/21/2020 4:06 PM | -0.1 | 1.0 | -0.7 | 0.8 | 2.2 |
| 9/21/2020 4:12 PM | -0.1 | 1.1 | -0.7 | 0.8 | 2.2 |
| 9/21/2020 4:18 PM | -0.1 | 1.3 | -0.8 | 0.8 | 2.2 |
| 9/21/2020 4:24 PM | -0.1 | 1.4 | -0.7 | 0.8 | 2.2 |
| 9/21/2020 4:30 PM | -0.1 | 1.4 | -0.7 | 0.8 | 2.2 |
| 9/21/2020 4:36 PM | -0.1 | 1.5 | -0.7 | 0.8 | 2.2 |
| 9/21/2020 4:42 PM | -0.1 | 1.5 | -0.7 | 0.9 | 2.2 |
| 9/21/2020 4:48 PM | -0.1 | 1.5 | -0.7 | 0.8 | 2.2 |
| 9/21/2020 4:54 PM | -0.1 | 1.5 | -0.8 | 0.9 | 2.1 |
| 9/21/2020 5:00 PM | -0.1 | 1.4 | -0.8 | 0.9 | 2.1 |
| 9/21/2020 5:06 PM | -0.1 | 1.3 | -0.8 | 0.9 | 2.2 |
| 9/21/2020 5:12 PM | -0.2 | 1.2 | -0.8 | 0.9 | 2.2 |
| 9/21/2020 5:18 PM | -0.2 | 1.2 | -0.8 | 0.9 | 2.2 |
| 9/21/2020 5:24 PM | -0.2 | 1.1 | -0.8 | 1.0 | 2.2 |
| 9/21/2020 5:30 PM | -0.2 | 1.1 | -0.8 | 1.0 | 2.2 |
| 9/21/2020 5:36 PM | -0.2 | 1.2 | -0.9 | 0.9 | 2.2 |
| 9/21/2020 5:42 PM | -0.2 | 1.3 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 5:48 PM | -0.2 | 1.4 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 5:54 PM | -0.2 | 1.5 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 6:00 PM | -0.2 | 1.7 | -0.9 | 1.1 | 2.2 |
| 9/21/2020 6:06 PM | -0.2 | 1.7 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 6:12 PM | -0.2 | 1.8 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 6:18 PM | -0.2 | 1.7 | -0.9 | 1.0 | 2.3 |
| 9/21/2020 6:24 PM | -0.2 | 1.7 | -0.9 | 1.1 | 2.3 |
| 9/21/2020 6:30 PM | -0.3 | 1.7 | -0.9 | 1.1 | 2.3 |
| 9/21/2020 6:36 PM | -0.3 | 1.7 | -0.9 | 1.1 | 2.3 |
| 9/21/2020 6:42 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.3 |
| 9/21/2020 6:48 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.3 |
| 9/21/2020 6:54 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.3 |
| 9/21/2020 7:00 PM | -0.3 | 1.6 | -0.9 | 0.9 | 2.3 |
| 9/21/2020 7:06 PM | -0.3 | 1.6 | -0.9 | 0.9 | 2.2 |
| 9/21/2020 7:12 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 7:18 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 7:24 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 7:30 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 7:36 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 7:42 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.3 |
| 9/21/2020 7:48 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.3 |
| 9/21/2020 7:54 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.3 |
| 9/21/2020 8:00 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 8:06 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 8:12 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.1 |
| 9/21/2020 8:18 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 8:24 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 8:30 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.2 |
| 9/21/2020 8:36 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.1 |
| 9/21/2020 8:42 PM | -0.3 | 1.6 | -0.9 | 1.0 | 2.1 |
| 9/21/2020 8:48 PM | -0.3 | 1.7 | -0.9 | 0.9 | 2.1 |

|                    |       |       |       |       |       |
|--------------------|-------|-------|-------|-------|-------|
| 9/21/2020 8:54 PM  | -0.3  | 1.7   | -0.9  | 0.9   | 2.1   |
| 9/21/2020 9:00 PM  | -0.3  | 1.7   | -0.9  | 1.0   | 2.1   |
| 9/21/2020 9:06 PM  | -0.3  | 1.7   | -0.9  | 1.0   | 2.1   |
| 9/21/2020 9:12 PM  | -0.3  | 1.7   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 9:18 PM  | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 9:24 PM  | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 9:30 PM  | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 9:36 PM  | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 9:42 PM  | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 9:48 PM  | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 9:54 PM  | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 10:00 PM | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 10:06 PM | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 10:12 PM | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 10:18 PM | <Samp | <Samp | <Samp | <Samp | <Samp |
| 9/21/2020 10:24 PM | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 10:30 PM | -0.3  | 1.6   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 10:36 PM | -0.3  | 1.7   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 10:42 PM | -0.3  | 1.7   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 10:48 PM | -0.3  | 1.7   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 10:54 PM | -0.3  | 1.7   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 11:00 PM | -0.3  | 1.7   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 11:06 PM | -0.4  | 1.7   | -0.9  | 0.9   | 2.2   |
| 9/21/2020 11:12 PM | -0.4  | 1.7   | -0.9  | 0.9   | 2.2   |
| 9/21/2020 11:18 PM | -0.3  | 1.7   | -0.9  | 1.0   | 2.2   |
| 9/21/2020 11:24 PM | -0.3  | 1.7   | -0.9  | 0.9   | 2.2   |
| 9/21/2020 11:30 PM | -0.4  | 1.7   | -0.9  | 0.8   | 2.2   |
| 9/21/2020 11:36 PM | -0.3  | 1.7   | -0.9  | 0.7   | 2.1   |
| 9/21/2020 11:42 PM | -0.4  | 1.7   | -0.9  | 0.8   | 2.1   |
| 9/21/2020 11:48 PM | -0.4  | 1.7   | -0.9  | 0.8   | 2.2   |
| 9/21/2020 11:54 PM | -0.4  | 1.7   | -0.9  | 0.8   | 2.2   |
| 9/22/2020 12:00 AM | -0.4  | 1.7   | -0.9  | 0.8   | 2.2   |
| 9/22/2020 12:06 AM | -0.4  | 1.7   | -0.9  | 0.8   | 2.2   |
| 9/22/2020 12:12 AM | -0.4  | 1.7   | -0.9  | 0.8   | 2.3   |
| 9/22/2020 12:18 AM | -0.4  | 1.7   | -0.9  | 0.8   | 2.3   |
| 9/22/2020 12:24 AM | -0.4  | 1.8   | -0.9  | 0.8   | 2.2   |
| 9/22/2020 12:30 AM | -0.4  | 1.7   | -0.9  | 0.8   | 2.1   |
| 9/22/2020 12:36 AM | -0.4  | 1.7   | -0.9  | 0.8   | 2.1   |
| 9/22/2020 12:42 AM | -0.4  | 1.7   | -0.9  | 0.8   | 2.0   |
| 9/22/2020 12:48 AM | -0.4  | 1.8   | -0.9  | 0.8   | 2.1   |
| 9/22/2020 12:54 AM | -0.4  | 1.8   | -0.9  | 0.3   | 3.0   |
| 9/22/2020 1:00 AM  | -0.4  | 1.7   | -0.9  | -0.4  | 3.3   |
| 9/22/2020 1:06 AM  | -0.4  | 1.7   | -0.9  | 2.2   | 3.0   |
| 9/22/2020 1:12 AM  | -0.4  | 1.7   | -0.9  | 2.2   | 2.8   |
| 9/22/2020 1:18 AM  | -0.4  | 1.7   | -0.9  | -0.6  | 2.7   |
| 9/22/2020 1:24 AM  | -0.4  | 1.7   | -0.9  | -0.6  | 2.6   |
| 9/22/2020 1:30 AM  | -0.4  | 1.7   | -0.9  | -0.6  | 2.6   |
| 9/22/2020 1:36 AM  | -0.4  | 1.7   | -0.9  | -0.6  | 2.6   |
| 9/22/2020 1:42 AM  | -0.4  | 1.7   | -0.9  | -0.6  | 2.6   |
| 9/22/2020 1:48 AM  | -0.4  | 1.7   | -0.9  | -0.6  | 2.6   |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 9/22/2020 1:54 AM | -0.4 | 1.7 | -0.9 | -0.6 | 2.5 |
| 9/22/2020 2:00 AM | -0.4 | 1.7 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 2:06 AM | -0.4 | 1.7 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 2:12 AM | -0.4 | 1.7 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 2:18 AM | -0.4 | 1.7 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 2:24 AM | -0.4 | 1.6 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 2:30 AM | -0.4 | 1.6 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 2:36 AM | -0.4 | 1.6 | -0.8 | -0.6 | 2.6 |
| 9/22/2020 2:42 AM | -0.4 | 1.6 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 2:48 AM | -0.4 | 1.6 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 2:54 AM | -0.4 | 1.6 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 3:00 AM | -0.4 | 1.5 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 3:06 AM | -0.4 | 1.5 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 3:12 AM | -0.4 | 1.4 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 3:18 AM | -0.4 | 1.4 | -0.8 | -0.6 | 2.6 |
| 9/22/2020 3:24 AM | -0.4 | 1.3 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 3:30 AM | -0.4 | 1.4 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 3:36 AM | -0.4 | 1.4 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 3:42 AM | -0.4 | 1.4 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 3:48 AM | -0.5 | 1.4 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 3:54 AM | -0.5 | 1.4 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 4:00 AM | -0.5 | 1.3 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 4:06 AM | -0.5 | 1.4 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 4:12 AM | -0.5 | 1.4 | -0.8 | -0.6 | 2.6 |
| 9/22/2020 4:18 AM | -0.5 | 1.4 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 4:24 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 4:30 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 4:36 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.5 |
| 9/22/2020 4:42 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 4:48 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 4:54 AM | -0.5 | 1.6 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 5:00 AM | -0.5 | 1.6 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 5:06 AM | -0.5 | 1.6 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 5:12 AM | -0.5 | 1.6 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 5:18 AM | -0.5 | 1.6 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 5:24 AM | -0.5 | 1.6 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 5:30 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 5:36 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 5:42 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.3 |
| 9/22/2020 5:48 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 5:54 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 6:00 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 6:06 AM | -0.5 | 1.5 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 6:12 AM | -0.5 | 1.6 | -0.8 | -0.6 | 2.4 |
| 9/22/2020 6:18 AM | -0.5 | 1.7 | -0.9 | -0.6 | 2.4 |
| 9/22/2020 6:24 AM | -0.5 | 1.7 | -1.0 | -0.6 | 2.4 |
| 9/22/2020 6:30 AM | -0.5 | 1.7 | -1.0 | -0.6 | 2.4 |
| 9/22/2020 6:36 AM | -0.5 | 1.7 | -1.0 | -0.6 | 2.4 |
| 9/22/2020 6:42 AM | -0.5 | 1.7 | -1.0 | -0.6 | 2.4 |
| 9/22/2020 6:48 AM | -0.5 | 1.7 | -1.0 | -0.6 | 2.4 |

|                    |      |      |      |      |     |
|--------------------|------|------|------|------|-----|
| 9/22/2020 6:54 AM  | -0.5 | 1.7  | -1.0 | -0.6 | 2.4 |
| 9/22/2020 7:00 AM  | -0.5 | 1.8  | -1.0 | -0.6 | 2.4 |
| 9/22/2020 7:06 AM  | -0.5 | 1.8  | -1.0 | -0.6 | 2.4 |
| 9/22/2020 7:12 AM  | -0.5 | 1.9  | -0.9 | -0.6 | 2.5 |
| 9/22/2020 7:18 AM  | -0.5 | 1.9  | -0.9 | -0.6 | 2.4 |
| 9/22/2020 7:24 AM  | -0.5 | 1.9  | -0.8 | -0.6 | 2.4 |
| 9/22/2020 7:30 AM  | -0.5 | 1.9  | -0.7 | -0.6 | 2.4 |
| 9/22/2020 7:36 AM  | -0.4 | 1.9  | -0.7 | -0.6 | 2.4 |
| 9/22/2020 7:42 AM  | -0.4 | 1.9  | -0.6 | -0.6 | 2.4 |
| 9/22/2020 7:48 AM  | -0.4 | 1.8  | -0.6 | -0.6 | 2.4 |
| 9/22/2020 7:54 AM  | -0.4 | 1.7  | -0.6 | 2.9  | 2.3 |
| 9/22/2020 8:00 AM  | -0.4 | 1.4  | -0.5 | 7.9  | 2.1 |
| 9/22/2020 8:06 AM  | -0.4 | 1.1  | -0.5 | 6.2  | 1.9 |
| 9/22/2020 8:12 AM  | -0.4 | 0.9  | -0.5 | 3.5  | 2.0 |
| 9/22/2020 8:18 AM  | -0.3 | 0.7  | -0.5 | 2.5  | 2.0 |
| 9/22/2020 8:24 AM  | -0.3 | 0.6  | -0.5 | 2.1  | 1.9 |
| 9/22/2020 8:30 AM  | -0.3 | 0.5  | -0.5 | 1.9  | 1.9 |
| 9/22/2020 8:36 AM  | -0.3 | 0.4  | -0.5 | 1.9  | 2.0 |
| 9/22/2020 8:42 AM  | -0.3 | 0.3  | -0.5 | 2.0  | 2.0 |
| 9/22/2020 8:48 AM  | -0.3 | 0.3  | -0.5 | 2.2  | 2.0 |
| 9/22/2020 8:54 AM  | -0.3 | 0.2  | -0.5 | 2.1  | 2.0 |
| 9/22/2020 9:00 AM  | -0.3 | 0.1  | -0.5 | 2.1  | 2.0 |
| 9/22/2020 9:06 AM  | -0.3 | 0.0  | -0.5 | 2.3  | 2.1 |
| 9/22/2020 9:12 AM  | -0.3 | -0.1 | -0.4 | 2.4  | 2.1 |
| 9/22/2020 9:18 AM  | -0.3 | -0.1 | -0.4 | 2.4  | 2.1 |
| 9/22/2020 9:24 AM  | -0.3 | 0.0  | -0.4 | 2.4  | 2.1 |
| 9/22/2020 9:30 AM  | -0.3 | 0.0  | -0.4 | 2.5  | 2.1 |
| 9/22/2020 9:36 AM  | -0.3 | 0.1  | -0.3 | 2.5  | 2.1 |
| 9/22/2020 9:42 AM  | -0.3 | 0.2  | -0.2 | 2.5  | 2.1 |
| 9/22/2020 9:48 AM  | -0.3 | 0.2  | -0.1 | 2.5  | 2.1 |
| 9/22/2020 9:54 AM  | -0.3 | 0.3  | 0.0  | 2.4  | 2.1 |
| 9/22/2020 10:00 AM | -0.3 | 0.4  | 0.1  | 2.3  | 2.1 |
| 9/22/2020 10:06 AM | -0.3 | 0.4  | 0.1  | 2.2  | 2.0 |
| 9/22/2020 10:12 AM | -0.3 | 0.4  | 0.1  | 2.1  | 1.9 |
| 9/22/2020 10:18 AM | -0.3 | 0.4  | 0.0  | 2.0  | 1.9 |
| 9/22/2020 10:24 AM | -0.3 | 0.4  | -0.1 | 2.0  | 1.9 |
| 9/22/2020 10:30 AM | -0.3 | 0.4  | -0.2 | 1.9  | 2.0 |
| 9/22/2020 10:36 AM | -0.2 | 0.4  | -0.3 | 1.9  | 2.0 |
| 9/22/2020 10:42 AM | -0.2 | 0.5  | -0.2 | 1.9  | 2.0 |
| 9/22/2020 10:48 AM | -0.2 | 0.5  | -0.2 | 1.8  | 2.0 |
| 9/22/2020 10:54 AM | -0.2 | 0.5  | -0.2 | 1.8  | 2.0 |
| 9/22/2020 11:00 AM | -0.2 | 0.5  | -0.2 | 1.7  | 2.1 |
| 9/22/2020 11:06 AM | -0.2 | 0.5  | -0.2 | 1.7  | 2.1 |
| 9/22/2020 11:12 AM | -0.2 | 0.4  | -0.2 | 1.6  | 2.1 |
| 9/22/2020 11:18 AM | -0.2 | 0.2  | -0.2 | 1.6  | 2.1 |
| 9/22/2020 11:24 AM | -0.2 | 0.1  | -0.2 | 1.6  | 2.1 |
| 9/22/2020 11:30 AM | -0.2 | 0.1  | -0.2 | 1.6  | 2.1 |
| 9/22/2020 11:36 AM | -0.1 | 0.2  | -0.1 | 1.6  | 2.0 |
| 9/22/2020 11:42 AM | -0.1 | 0.2  | 0.1  | 1.5  | 2.1 |
| 9/22/2020 11:48 AM | -0.1 | 0.3  | 0.2  | 1.6  | 2.1 |



|                    |      |      |      |     |     |
|--------------------|------|------|------|-----|-----|
| 9/22/2020 11:54 AM | -0.1 | 0.3  | 0.3  | 1.6 | 2.1 |
| 9/22/2020 12:00 PM | -0.1 | 0.2  | 0.3  | 1.5 | 2.1 |
| 9/22/2020 12:06 PM | -0.1 | 0.1  | 0.3  | 1.5 | 2.1 |
| 9/22/2020 12:12 PM | -0.1 | 0.0  | 0.3  | 1.6 | 2.0 |
| 9/22/2020 12:18 PM | -0.1 | -0.1 | 0.3  | 1.6 | 2.0 |
| 9/22/2020 12:24 PM | -0.1 | -0.2 | 0.2  | 1.5 | 2.0 |
| 9/22/2020 12:30 PM | -0.1 | -0.1 | 0.1  | 1.4 | 2.0 |
| 9/22/2020 12:36 PM | -0.1 | -0.1 | 0.0  | 1.4 | 2.1 |
| 9/22/2020 12:42 PM | -0.1 | 0.0  | -0.1 | 1.4 | 2.1 |
| 9/22/2020 12:48 PM | -0.1 | 0.1  | -0.2 | 1.5 | 2.1 |
| 9/22/2020 12:54 PM | -0.1 | 0.2  | -0.3 | 1.5 | 2.1 |
| 9/22/2020 1:00 PM  | -0.1 | 0.4  | -0.4 | 1.5 | 2.1 |
| 9/22/2020 1:06 PM  | -0.1 | 0.6  | -0.5 | 1.4 | 2.1 |
| 9/22/2020 1:12 PM  | -0.1 | 0.6  | -0.5 | 1.4 | 2.1 |
| 9/22/2020 1:18 PM  | -0.1 | 0.6  | -0.4 | 1.5 | 2.1 |
| 9/22/2020 1:24 PM  | -0.1 | 0.5  | -0.4 | 1.6 | 2.1 |
| 9/22/2020 1:30 PM  | -0.2 | 0.4  | -0.3 | 1.5 | 2.1 |
| 9/22/2020 1:36 PM  | -0.2 | 0.3  | -0.2 | 1.4 | 2.1 |
| 9/22/2020 1:42 PM  | -0.2 | 0.1  | 0.0  | 1.4 | 2.0 |
| 9/22/2020 1:48 PM  | -0.2 | 0.0  | 0.1  | 1.5 | 2.1 |
| 9/22/2020 1:54 PM  | -0.2 | 0.0  | 0.0  | 1.4 | 2.1 |
| 9/22/2020 2:00 PM  | -0.2 | 0.0  | -0.1 | 1.3 | 2.1 |
| 9/22/2020 2:06 PM  | -0.2 | 0.0  | -0.1 | 1.4 | 2.2 |
| 9/22/2020 2:12 PM  | -0.2 | 0.1  | -0.3 | 1.4 | 2.2 |
| 9/22/2020 2:18 PM  | -0.2 | 0.3  | -0.4 | 1.4 | 2.1 |
| 9/22/2020 2:24 PM  | -0.1 | 0.5  | -0.6 | 1.4 | 2.1 |
| 9/22/2020 2:30 PM  | -0.1 | 0.8  | -0.6 | 1.4 | 2.1 |
| 9/22/2020 2:36 PM  | -0.1 | 1.0  | -0.7 | 1.4 | 2.1 |
| 9/22/2020 2:42 PM  | -0.1 | 1.2  | -0.7 | 1.5 | 2.1 |
| 9/22/2020 2:48 PM  | -0.1 | 1.4  | -0.7 | 1.4 | 2.1 |
| 9/22/2020 2:54 PM  | -0.1 | 1.5  | -0.7 | 1.4 | 2.1 |
| 9/22/2020 3:00 PM  | -0.1 | 1.6  | -0.7 | 1.5 | 2.1 |
| 9/22/2020 3:06 PM  | -0.1 | 1.5  | -0.6 | 1.5 | 2.1 |
| 9/22/2020 3:12 PM  | -0.1 | 1.4  | -0.6 | 1.5 | 2.2 |
| 9/22/2020 3:18 PM  | -0.1 | 1.2  | -0.5 | 1.5 | 2.1 |
| 9/22/2020 3:24 PM  | -0.1 | 1.0  | -0.4 | 1.5 | 2.1 |
| 9/22/2020 3:30 PM  | -0.1 | 0.8  | -0.4 | 1.4 | 2.0 |
| 9/22/2020 3:36 PM  | -0.1 | 0.8  | -0.4 | 1.4 | 2.0 |
| 9/22/2020 3:42 PM  | -0.1 | 0.8  | -0.5 | 1.5 | 2.0 |
| 9/22/2020 3:48 PM  | -0.1 | 0.9  | -0.5 | 1.4 | 2.0 |
| 9/22/2020 3:54 PM  | -0.1 | 1.1  | -0.6 | 1.4 | 2.1 |
| 9/22/2020 4:00 PM  | -0.1 | 1.3  | -0.7 | 1.5 | 2.0 |
| 9/22/2020 4:06 PM  | -0.1 | 1.5  | -0.7 | 1.6 | 2.0 |
| 9/22/2020 4:12 PM  | -0.1 | 1.7  | -0.7 | 1.6 | 2.0 |
| 9/22/2020 4:18 PM  | -0.1 | 1.8  | -0.7 | 1.6 | 2.0 |
| 9/22/2020 4:24 PM  | -0.1 | 1.9  | -0.6 | 1.6 | 2.0 |
| 9/22/2020 4:30 PM  | -0.1 | 2.0  | -0.6 | 1.7 | 2.0 |
| 9/22/2020 4:36 PM  | -0.1 | 2.0  | -0.6 | 1.6 | 2.0 |
| 9/22/2020 4:42 PM  | -0.1 | 2.0  | -0.6 | 1.6 | 2.0 |
| 9/22/2020 4:48 PM  | -0.1 | 2.0  | -0.6 | 1.5 | 2.1 |

|                   |      |     |      |     |     |
|-------------------|------|-----|------|-----|-----|
| 9/22/2020 4:54 PM | -0.2 | 1.9 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 5:00 PM | -0.2 | 1.8 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 5:06 PM | -0.2 | 1.7 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 5:12 PM | -0.2 | 1.7 | -0.6 | 1.4 | 2.1 |
| 9/22/2020 5:18 PM | -0.2 | 1.7 | -0.6 | 1.5 | 2.0 |
| 9/22/2020 5:24 PM | -0.2 | 1.7 | -0.6 | 1.6 | 2.1 |
| 9/22/2020 5:30 PM | -0.2 | 1.8 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 5:36 PM | -0.2 | 1.8 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 5:42 PM | -0.2 | 1.9 | -0.6 | 1.6 | 2.0 |
| 9/22/2020 5:48 PM | -0.2 | 1.9 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 5:54 PM | -0.2 | 2.0 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 6:00 PM | -0.2 | 2.0 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 6:06 PM | -0.2 | 2.0 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 6:12 PM | -0.2 | 2.0 | -0.6 | 1.5 | 2.0 |
| 9/22/2020 6:18 PM | -0.2 | 2.0 | -0.6 | 1.5 | 2.0 |
| 9/22/2020 6:24 PM | -0.2 | 2.0 | -0.6 | 1.4 | 2.0 |
| 9/22/2020 6:30 PM | -0.2 | 1.9 | -0.6 | 1.5 | 2.0 |
| 9/22/2020 6:36 PM | -0.2 | 1.9 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 6:42 PM | -0.2 | 1.9 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 6:48 PM | -0.2 | 1.9 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 6:54 PM | -0.2 | 1.9 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 7:00 PM | -0.2 | 1.9 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 7:06 PM | -0.2 | 1.9 | -0.6 | 1.5 | 2.1 |
| 9/22/2020 7:12 PM | -0.2 | 1.9 | -0.6 | 1.4 | 2.1 |
| 9/22/2020 7:18 PM | -0.2 | 1.8 | -0.6 | 1.4 | 2.1 |
| 9/22/2020 7:24 PM | -0.2 | 1.8 | -0.6 | 1.3 | 2.1 |
| 9/22/2020 7:30 PM | -0.2 | 1.8 | -0.6 | 1.0 | 2.1 |
| 9/22/2020 7:36 PM | -0.2 | 1.8 | -0.5 | 1.0 | 2.2 |
| 9/22/2020 7:42 PM | -0.2 | 1.7 | -0.5 | 1.0 | 2.1 |
| 9/22/2020 7:48 PM | -0.2 | 1.7 | -0.5 | 1.0 | 2.1 |
| 9/22/2020 7:54 PM | -0.3 | 1.7 | -0.5 | 1.0 | 2.1 |
| 9/22/2020 8:00 PM | -0.3 | 1.7 | -0.5 | 1.0 | 2.1 |
| 9/22/2020 8:06 PM | -0.3 | 1.7 | -0.5 | 1.1 | 2.1 |
| 9/22/2020 8:12 PM | -0.3 | 1.7 | -0.5 | 1.1 | 2.1 |
| 9/22/2020 8:18 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |
| 9/22/2020 8:24 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |
| 9/22/2020 8:30 PM | -0.3 | 1.7 | -0.6 | 1.0 | 2.1 |
| 9/22/2020 8:36 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |
| 9/22/2020 8:42 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |
| 9/22/2020 8:48 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |
| 9/22/2020 8:54 PM | -0.3 | 1.7 | -0.6 | 1.0 | 2.1 |
| 9/22/2020 9:00 PM | -0.3 | 1.7 | -0.6 | 1.0 | 2.1 |
| 9/22/2020 9:06 PM | -0.3 | 1.7 | -0.6 | 1.0 | 2.1 |
| 9/22/2020 9:12 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |
| 9/22/2020 9:18 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |
| 9/22/2020 9:24 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |
| 9/22/2020 9:30 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |
| 9/22/2020 9:36 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |
| 9/22/2020 9:42 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |
| 9/22/2020 9:48 PM | -0.3 | 1.7 | -0.6 | 1.1 | 2.1 |

|                    |      |     |      |     |      |
|--------------------|------|-----|------|-----|------|
| 9/22/2020 9:54 PM  | -0.3 | 1.7 | -0.6 | 1.1 | 2.1  |
| 9/22/2020 10:00 PM | -0.3 | 1.7 | -0.6 | 1.0 | 2.1  |
| 9/22/2020 10:06 PM | -0.3 | 1.7 | -0.6 | 1.0 | 2.0  |
| 9/22/2020 10:12 PM | -0.3 | 1.6 | -0.6 | 1.1 | 2.0  |
| 9/22/2020 10:18 PM | -0.3 | 1.6 | -0.6 | 1.0 | 2.0  |
| 9/22/2020 10:24 PM | -0.3 | 1.6 | -0.6 | 1.1 | 2.1  |
| 9/22/2020 10:30 PM | -0.3 | 1.6 | -0.6 | 1.1 | 2.1  |
| 9/22/2020 10:36 PM | -0.3 | 1.6 | -0.6 | 1.1 | 2.1  |
| 9/22/2020 10:42 PM | -0.3 | 1.6 | -0.6 | 1.1 | 2.1  |
| 9/22/2020 10:48 PM | -0.3 | 1.6 | -0.6 | 1.1 | 2.1  |
| 9/22/2020 10:54 PM | -0.3 | 1.6 | -0.6 | 1.1 | 2.1  |
| 9/22/2020 11:00 PM | -0.3 | 1.5 | -0.6 | 1.1 | 2.1  |
| 9/22/2020 11:06 PM | -0.3 | 1.5 | -0.6 | 1.1 | 2.1  |
| 9/22/2020 11:12 PM | -0.3 | 1.5 | -0.5 | 1.1 | 2.1  |
| 9/22/2020 11:18 PM | -0.3 | 1.5 | -0.5 | 1.1 | 2.1  |
| 9/22/2020 11:24 PM | -0.3 | 1.5 | -0.6 | 1.1 | 2.1  |
| 9/22/2020 11:30 PM | -0.3 | 1.5 | -0.5 | 1.1 | 2.1  |
| 9/22/2020 11:36 PM | -0.3 | 1.5 | -0.5 | 1.1 | 2.1  |
| 9/22/2020 11:42 PM | -0.3 | 1.5 | -0.5 | 1.1 | 2.1  |
| 9/22/2020 11:48 PM | -0.3 | 1.5 | -0.5 | 1.1 | 2.1  |
| 9/22/2020 11:54 PM | -0.3 | 1.5 | -0.5 | 1.0 | 2.1  |
| 9/23/2020 12:00 AM | -0.3 | 1.5 | -0.5 | 1.0 | 2.1  |
| 9/23/2020 12:06 AM | -0.3 | 1.5 | -0.5 | 1.0 | 2.1  |
| 9/23/2020 12:12 AM | -0.3 | 1.5 | -0.5 | 0.9 | 2.0  |
| 9/23/2020 12:18 AM | -0.3 | 1.5 | -0.5 | 2.2 | 1.5  |
| 9/23/2020 12:24 AM | -0.3 | 1.5 | -0.5 | 4.5 | 0.2  |
| 9/23/2020 12:30 AM | -0.3 | 1.5 | -0.5 | 4.1 | -0.1 |
| 9/23/2020 12:36 AM | -0.3 | 1.5 | -0.5 | 3.7 | -0.1 |
| 9/23/2020 12:42 AM | -0.3 | 1.4 | -0.5 | 3.5 | 0.0  |
| 9/23/2020 12:48 AM | -0.4 | 1.4 | -0.5 | 3.6 | 0.0  |
| 9/23/2020 12:54 AM | -0.4 | 1.4 | -0.5 | 3.5 | 0.0  |
| 9/23/2020 1:00 AM  | -0.4 | 1.4 | -0.5 | 3.6 | -0.1 |
| 9/23/2020 1:06 AM  | -0.4 | 1.4 | -0.5 | 3.6 | -0.1 |
| 9/23/2020 1:12 AM  | -0.4 | 1.4 | -0.5 | 3.5 | -0.1 |
| 9/23/2020 1:18 AM  | -0.4 | 1.4 | -0.5 | 3.4 | -0.1 |
| 9/23/2020 1:24 AM  | -0.4 | 1.3 | -0.5 | 3.6 | -0.1 |
| 9/23/2020 1:30 AM  | -0.4 | 1.3 | -0.5 | 3.6 | -0.1 |
| 9/23/2020 1:36 AM  | -0.4 | 1.3 | -0.5 | 3.4 | -0.1 |
| 9/23/2020 1:42 AM  | -0.4 | 1.3 | -0.5 | 3.4 | -0.1 |
| 9/23/2020 1:48 AM  | -0.4 | 1.3 | -0.5 | 3.3 | -0.1 |
| 9/23/2020 1:54 AM  | -0.4 | 1.3 | -0.5 | 3.2 | -0.1 |
| 9/23/2020 2:00 AM  | -0.4 | 1.4 | -0.5 | 3.1 | 0.0  |
| 9/23/2020 2:06 AM  | -0.4 | 1.4 | -0.5 | 3.0 | 0.0  |
| 9/23/2020 2:12 AM  | -0.4 | 1.4 | -0.5 | 3.1 | 0.0  |
| 9/23/2020 2:18 AM  | -0.4 | 1.4 | -0.5 | 3.2 | 0.0  |
| 9/23/2020 2:24 AM  | -0.4 | 1.4 | -0.5 | 3.2 | -0.1 |
| 9/23/2020 2:30 AM  | -0.4 | 1.4 | -0.6 | 3.3 | 0.0  |
| 9/23/2020 2:36 AM  | -0.4 | 1.5 | -0.6 | 3.2 | 0.0  |
| 9/23/2020 2:42 AM  | -0.4 | 1.5 | -0.6 | 3.2 | -0.1 |
| 9/23/2020 2:48 AM  | -0.4 | 1.5 | -0.6 | 3.1 | -0.1 |

|                   |      |     |      |     |      |
|-------------------|------|-----|------|-----|------|
| 9/23/2020 2:54 AM | -0.4 | 1.5 | -0.6 | 2.9 | -0.1 |
| 9/23/2020 3:00 AM | -0.4 | 1.6 | -0.6 | 2.9 | -0.1 |
| 9/23/2020 3:06 AM | -0.4 | 1.6 | -0.6 | 2.9 | -0.1 |
| 9/23/2020 3:12 AM | -0.4 | 1.6 | -0.6 | 3.1 | -0.1 |
| 9/23/2020 3:18 AM | -0.4 | 1.6 | -0.6 | 3.2 | -0.1 |
| 9/23/2020 3:24 AM | -0.4 | 1.6 | -0.6 | 3.3 | -0.1 |
| 9/23/2020 3:30 AM | -0.4 | 1.6 | -0.6 | 3.2 | -0.1 |
| 9/23/2020 3:36 AM | -0.4 | 1.6 | -0.6 | 3.0 | -0.1 |
| 9/23/2020 3:42 AM | -0.4 | 1.6 | -0.6 | 2.9 | -0.1 |
| 9/23/2020 3:48 AM | -0.4 | 1.6 | -0.6 | 2.8 | -0.1 |
| 9/23/2020 3:54 AM | -0.4 | 1.6 | -0.6 | 2.8 | -0.1 |
| 9/23/2020 4:00 AM | -0.4 | 1.6 | -0.6 | 2.8 | -0.1 |
| 9/23/2020 4:06 AM | -0.4 | 1.6 | -0.6 | 2.8 | 0.0  |
| 9/23/2020 4:12 AM | -0.4 | 1.6 | -0.6 | 2.7 | -0.1 |
| 9/23/2020 4:18 AM | -0.4 | 1.6 | -0.6 | 2.7 | -0.1 |
| 9/23/2020 4:24 AM | -0.4 | 1.6 | -0.6 | 2.8 | -0.1 |
| 9/23/2020 4:30 AM | -0.4 | 1.6 | -0.6 | 2.7 | -0.1 |
| 9/23/2020 4:36 AM | -0.4 | 1.6 | -0.6 | 2.7 | -0.1 |
| 9/23/2020 4:42 AM | -0.4 | 1.6 | -0.6 | 2.7 | -0.1 |
| 9/23/2020 4:48 AM | -0.4 | 1.6 | -0.6 | 2.8 | -0.1 |
| 9/23/2020 4:54 AM | -0.4 | 1.6 | -0.6 | 3.2 | -0.1 |
| 9/23/2020 5:00 AM | -0.4 | 1.6 | -0.6 | 3.3 | -0.1 |
| 9/23/2020 5:06 AM | -0.4 | 1.6 | -0.6 | 3.3 | -0.1 |
| 9/23/2020 5:12 AM | -0.4 | 1.6 | -0.6 | 3.2 | -0.1 |
| 9/23/2020 5:18 AM | -0.4 | 1.6 | -0.6 | 3.3 | -0.1 |
| 9/23/2020 5:24 AM | -0.4 | 1.6 | -0.6 | 3.3 | -0.1 |
| 9/23/2020 5:30 AM | -0.4 | 1.6 | -0.6 | 3.3 | -0.1 |
| 9/23/2020 5:36 AM | -0.4 | 1.6 | -0.6 | 3.3 | -0.1 |
| 9/23/2020 5:42 AM | -0.4 | 1.6 | -0.6 | 3.3 | -0.1 |
| 9/23/2020 5:48 AM | -0.4 | 1.6 | -0.6 | 3.4 | -0.1 |
| 9/23/2020 5:54 AM | -0.4 | 1.6 | -0.6 | 2.7 | -0.1 |
| 9/23/2020 6:00 AM | -0.4 | 1.7 | -0.7 | 1.6 | -0.1 |
| 9/23/2020 6:06 AM | -0.4 | 1.7 | -0.7 | 1.8 | -0.1 |
| 9/23/2020 6:12 AM | -0.4 | 1.8 | -0.7 | 1.8 | -0.1 |
| 9/23/2020 6:18 AM | -0.4 | 1.9 | -0.8 | 1.9 | -0.1 |
| 9/23/2020 6:24 AM | -0.4 | 2.1 | -0.9 | 2.0 | -0.1 |
| 9/23/2020 6:30 AM | -0.4 | 2.2 | -1.0 | 2.1 | -0.1 |
| 9/23/2020 6:36 AM | -0.4 | 2.2 | -1.0 | 2.2 | -0.1 |
| 9/23/2020 6:42 AM | -0.4 | 2.2 | -1.0 | 2.2 | -0.1 |
| 9/23/2020 6:48 AM | -0.4 | 2.2 | -1.0 | 2.1 | -0.1 |
| 9/23/2020 6:54 AM | -0.4 | 2.3 | -1.0 | 2.1 | -0.1 |
| 9/23/2020 7:00 AM | -0.4 | 2.3 | -1.0 | 2.1 | -0.1 |
| 9/23/2020 7:06 AM | -0.4 | 2.3 | -1.0 | 2.1 | -0.1 |
| 9/23/2020 7:12 AM | -0.4 | 2.4 | -0.9 | 2.0 | -0.1 |
| 9/23/2020 7:18 AM | -0.4 | 2.5 | -0.9 | 2.0 | -0.1 |
| 9/23/2020 7:24 AM | -0.4 | 2.6 | -0.8 | 1.9 | -0.1 |
| 9/23/2020 7:30 AM | -0.3 | 2.7 | -0.8 | 1.8 | -0.1 |
| 9/23/2020 7:36 AM | -0.3 | 2.6 | -0.7 | 1.8 | -0.1 |
| 9/23/2020 7:42 AM | -0.3 | 2.5 | -0.7 | 1.9 | -0.1 |
| 9/23/2020 7:48 AM | -0.3 | 2.4 | -0.6 | 1.9 | -0.1 |

|                    |          |          |          |          |          |
|--------------------|----------|----------|----------|----------|----------|
| 9/23/2020 7:54 AM  | -0.3     | 2.1      | -0.6     | 1.6      | 6.1      |
| 9/23/2020 8:00 AM  | -0.3     | 1.7      | -0.6     | 1.1      | 10.1     |
| 9/23/2020 8:06 AM  | -0.3     | 1.3      | -0.6     | 1.2      | 6.8      |
| 9/23/2020 8:12 AM  | -0.3     | 1.0      | -0.6     | 1.2      | 6.1      |
| 9/23/2020 8:18 AM  | -0.3     | 0.9      | -0.6     | 1.3      | 5.5      |
| 9/23/2020 8:24 AM  | -0.3     | 0.7      | -0.6     | 1.3      | 4.8      |
| 9/23/2020 8:30 AM  | -0.3     | 0.7      | -0.6     | 1.3      | 4.0      |
| 9/23/2020 8:36 AM  | -0.2     | 0.6      | -0.6     | 1.3      | 3.4      |
| 9/23/2020 8:42 AM  | -0.2     | 0.6      | -0.6     | 1.3      | 3.2      |
| 9/23/2020 8:48 AM  | -0.2     | 0.5      | -0.6     | 1.4      | 2.9      |
| 9/23/2020 8:54 AM  | -0.2     | 0.4      | -0.6     | 1.4      | 2.8      |
| 9/23/2020 9:00 AM  | -0.2     | 0.4      | -0.6     | 1.4      | 2.7      |
| 9/23/2020 9:06 AM  | -0.2     | 0.4      | -0.5     | 1.4      | 2.7      |
| 9/23/2020 9:12 AM  | -0.2     | 0.4      | -0.5     | 1.4      | 2.6      |
| 9/23/2020 9:18 AM  | -0.2     | 0.5      | -0.5     | 1.4      | 2.6      |
| 9/23/2020 9:24 AM  | -0.2     | 0.6      | -0.5     | 1.4      | 2.6      |
| 9/23/2020 9:30 AM  | -0.2     | 0.7      | -0.4     | 1.4      | 2.6      |
| 9/23/2020 9:36 AM  | -0.2     | 0.8      | -0.4     | 1.4      | 2.6      |
| 9/23/2020 9:42 AM  | -0.2     | 0.9      | -0.3     | 1.4      | 2.6      |
| 9/23/2020 9:48 AM  | -0.2     | 1.0      | -0.2     | 1.4      | 2.5      |
| 9/23/2020 9:54 AM  | -0.2     | 1.1      | -0.2     | 1.4      | 2.5      |
| 9/23/2020 10:00 AM | -0.2     | 1.2      | -0.2     | 1.4      | 2.4      |
| 9/23/2020 10:06 AM | -0.2     | 1.2      | -0.2     | 1.4      | 2.4      |
| 9/23/2020 10:12 AM | -0.2     | 1.3      | -0.2     | 1.4      | 2.3      |
| 9/23/2020 10:18 AM | -0.2     | 1.3      | -0.3     | 1.4      | 2.3      |
| 9/23/2020 10:24 AM | -0.2     | 1.3      | -0.3     | 1.5      | 2.4      |
| 9/23/2020 10:30 AM | -0.2     | 1.3      | -0.3     | 1.4      | 2.4      |
| 9/23/2020 10:36 AM | -0.2     | 1.3      | -0.2     | 1.4      | 2.4      |
| 9/23/2020 10:42 AM | -0.2     | 1.4      | -0.2     | 1.5      | 2.5      |
| 9/23/2020 10:48 AM | -0.2     | 1.4      | -0.2     | 1.6      | 2.5      |
| 9/23/2020 10:54 AM | -0.2     | 1.4      | -0.2     | 1.6      | 2.5      |
| 9/23/2020 11:00 AM | -0.2     | 1.4      | -0.2     | 1.6      | 2.4      |
| 9/23/2020 11:06 AM | -0.2     | 1.3      | -0.3     | 1.4      | 2.4      |
| 9/23/2020 11:12 AM | -0.1     | 1.2      | -0.3     | 1.3      | 2.5      |
| 9/23/2020 11:18 AM | -0.1     | 0.9      | -0.3     | 1.1      | 2.5      |
| 9/23/2020 11:24 AM | -0.1     | 0.8      | -0.3     | 1.0      | 2.5      |
| 9/23/2020 11:30 AM | -0.1     | 0.8      | -0.3     | 0.9      | 2.4      |
| 9/23/2020 11:36 AM | -0.1     | 0.9      | -0.2     | 0.9      | 2.4      |
| 9/23/2020 11:42 AM | <Samp    | <Samp    | <Samp    | <Samp    | <Samp    |
| 9/23/2020 11:48 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 9/23/2020 11:54 AM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 9/23/2020 12:00 PM | Maintain | Maintain | Maintain | Maintain | Maintain |
| 9/23/2020 12:06 PM | <Samp    | <Samp    | Audit    | <Samp    | <Samp    |
| 9/23/2020 12:12 PM | -0.2     | 0.7      | Audit    | 1.0      | 2.4      |
| 9/23/2020 12:18 PM | -0.2     | 0.5      | Audit    | 1.0      | 2.4      |
| 9/23/2020 12:24 PM | -0.2     | 0.5      | Audit    | 1.0      | 2.4      |
| 9/23/2020 12:30 PM | -0.2     | 0.5      | Audit    | 1.2      | 2.5      |
| 9/23/2020 12:36 PM | -0.1     | 0.6      | Audit    | 1.4      | 2.5      |
| 9/23/2020 12:42 PM | -0.1     | 0.7      | Audit    | 1.4      | 2.5      |
| 9/23/2020 12:48 PM | -0.1     | 0.9      | Audit    | 1.4      | 2.5      |

|                    |       |       |       |       |       |
|--------------------|-------|-------|-------|-------|-------|
| 9/23/2020 12:54 PM | -0.1  | 1.0   | Audit | 1.4   | 2.5   |
| 9/23/2020 1:00 PM  | -0.1  | 1.2   | Audit | 1.4   | 2.4   |
| 9/23/2020 1:06 PM  | -0.1  | 1.3   | -0.7  | 1.5   | 2.5   |
| 9/23/2020 1:12 PM  | -0.1  | 1.4   | -0.7  | Audit | 2.5   |
| 9/23/2020 1:18 PM  | -0.1  | 1.3   | -0.6  | Audit | 2.4   |
| 9/23/2020 1:24 PM  | -0.1  | 1.2   | -0.6  | Audit | 2.5   |
| 9/23/2020 1:30 PM  | -0.2  | 1.0   | -0.5  | Audit | 2.5   |
| 9/23/2020 1:36 PM  | -0.2  | 0.8   | -0.4  | Audit | 2.5   |
| 9/23/2020 1:42 PM  | -0.2  | 0.7   | -0.4  | Audit | 2.5   |
| 9/23/2020 1:48 PM  | -0.2  | 0.6   | -0.5  | Audit | 2.5   |
| 9/23/2020 1:54 PM  | -0.2  | 0.5   | -0.5  | Audit | 2.6   |
| 9/23/2020 2:00 PM  | -0.2  | 0.4   | -0.5  | 3.7   | Audit |
| 9/23/2020 2:06 PM  | -0.2  | 0.3   | -0.5  | 4.0   | Audit |
| 9/23/2020 2:12 PM  | -0.2  | 0.4   | -0.6  | 4.2   | Audit |
| 9/23/2020 2:18 PM  | -0.2  | 0.5   | -0.7  | 4.2   | Audit |
| 9/23/2020 2:24 PM  | -0.2  | 0.8   | -0.7  | 4.3   | Audit |
| 9/23/2020 2:30 PM  | -0.2  | 1.1   | -0.8  | 4.1   | Audit |
| 9/23/2020 2:36 PM  | -0.1  | 1.3   | -0.8  | 3.6   | Audit |
| 9/23/2020 2:42 PM  | -0.1  | 1.5   | -0.8  | 1.9   | Audit |
| 9/23/2020 2:48 PM  | -0.1  | 1.7   | -0.9  | 0.8   | Audit |
| 9/23/2020 2:54 PM  | -0.2  | 1.8   | -0.9  | 0.8   | 2.3   |
| 9/23/2020 3:00 PM  | -0.2  | Audit | -0.9  | 0.9   | 2.3   |
| 9/23/2020 3:06 PM  | -0.2  | Audit | -0.9  | 1.0   | 2.3   |
| 9/23/2020 3:12 PM  | -0.2  | Audit | -0.9  | 1.0   | 2.3   |
| 9/23/2020 3:18 PM  | -0.2  | Audit | -0.9  | 1.1   | 2.3   |
| 9/23/2020 3:24 PM  | -0.2  | Audit | -0.9  | 1.1   | 2.3   |
| 9/23/2020 3:30 PM  | -0.2  | Audit | -0.8  | 1.1   | 2.4   |
| 9/23/2020 3:36 PM  | -0.2  | Audit | -0.8  | 1.1   | 2.4   |
| 9/23/2020 3:42 PM  | 9.9   | Audit | -0.8  | 1.1   | 2.4   |
| 9/23/2020 3:48 PM  | B     | 2.1   | -0.8  | 1.1   | 2.3   |
| 9/23/2020 3:54 PM  | Audit | 2.2   | -0.8  | 1.1   | 2.3   |
| 9/23/2020 4:00 PM  | Audit | 2.4   | -0.8  | 1.1   | 2.3   |
| 9/23/2020 4:06 PM  | Audit | 2.6   | -0.8  | 1.1   | 2.4   |
| 9/23/2020 4:12 PM  | Audit | 2.7   | -0.8  | 1.1   | 2.4   |
| 9/23/2020 4:18 PM  | Audit | 2.8   | -0.8  | 1.1   | 2.3   |
| 9/23/2020 4:24 PM  | Audit | 2.9   | -0.8  | 1.2   | 2.3   |
| 9/23/2020 4:30 PM  | Audit | 2.9   | -0.8  | 1.2   | 2.3   |
| 9/23/2020 4:36 PM  | Audit | 2.9   | -0.8  | 1.2   | 2.3   |
| 9/23/2020 4:42 PM  | 4.4   | 2.8   | -0.8  | 1.2   | 2.4   |
| 9/23/2020 4:48 PM  | 3.0   | 2.7   | -0.8  | 1.2   | 2.4   |
| 9/23/2020 4:54 PM  | 1.5   | 2.7   | -0.8  | 1.3   | 2.4   |
| 9/23/2020 5:00 PM  | 0.8   | 2.5   | -0.8  | 1.3   | 2.3   |
| 9/23/2020 5:06 PM  | 0.4   | 2.4   | -0.8  | 1.3   | 2.3   |
| 9/23/2020 5:12 PM  | 0.2   | 2.3   | -0.8  | 1.3   | 2.3   |
| 9/23/2020 5:18 PM  | 0.1   | 2.2   | -0.8  | 1.3   | 2.3   |
| 9/23/2020 5:24 PM  | 0.0   | 2.1   | -0.8  | 1.4   | 2.4   |
| 9/23/2020 5:30 PM  | 0.0   | 2.1   | -0.8  | 1.4   | 2.4   |
| 9/23/2020 5:36 PM  | -0.1  | 2.2   | -0.8  | 1.4   | 2.4   |
| 9/23/2020 5:42 PM  | -0.1  | 2.3   | -0.8  | 1.3   | 2.4   |
| 9/23/2020 5:48 PM  | -0.1  | 2.4   | -0.8  | 1.3   | 2.4   |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 9/23/2020 5:54 PM  | -0.1 | 2.4 | -0.8 | 1.4 | 2.4 |
| 9/23/2020 6:00 PM  | -0.1 | 2.5 | -0.8 | 1.4 | 2.4 |
| 9/23/2020 6:06 PM  | -0.1 | 2.5 | -0.8 | 1.4 | 2.4 |
| 9/23/2020 6:12 PM  | -0.1 | 2.5 | -0.8 | 1.3 | 2.4 |
| 9/23/2020 6:18 PM  | -0.2 | 2.5 | -0.8 | 1.3 | 2.4 |
| 9/23/2020 6:24 PM  | -0.2 | 2.5 | -0.8 | 1.3 | 2.4 |
| 9/23/2020 6:30 PM  | -0.2 | 2.5 | -0.8 | 1.3 | 2.4 |
| 9/23/2020 6:36 PM  | -0.2 | 2.5 | -0.8 | 1.3 | 2.5 |
| 9/23/2020 6:42 PM  | -0.2 | 2.5 | -0.8 | 1.3 | 2.5 |
| 9/23/2020 6:48 PM  | -0.2 | 2.5 | -0.7 | 1.3 | 2.5 |
| 9/23/2020 6:54 PM  | -0.2 | 2.5 | -0.7 | 1.3 | 2.5 |
| 9/23/2020 7:00 PM  | -0.2 | 2.6 | -0.8 | 1.3 | 2.6 |
| 9/23/2020 7:06 PM  | -0.2 | 2.5 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 7:12 PM  | -0.2 | 2.6 | -0.8 | 1.2 | 2.4 |
| 9/23/2020 7:18 PM  | -0.2 | 2.6 | -0.8 | 1.2 | 2.4 |
| 9/23/2020 7:24 PM  | -0.2 | 2.6 | -0.8 | 1.2 | 2.4 |
| 9/23/2020 7:30 PM  | -0.2 | 2.6 | -0.8 | 1.2 | 2.4 |
| 9/23/2020 7:36 PM  | -0.2 | 2.6 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 7:42 PM  | -0.2 | 2.6 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 7:48 PM  | -0.2 | 2.6 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 7:54 PM  | -0.2 | 2.6 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 8:00 PM  | -0.2 | 2.5 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 8:06 PM  | -0.3 | 2.5 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 8:12 PM  | -0.3 | 2.5 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 8:18 PM  | -0.3 | 2.5 | -0.8 | 1.3 | 2.5 |
| 9/23/2020 8:24 PM  | -0.3 | 2.5 | -0.8 | 1.4 | 2.5 |
| 9/23/2020 8:30 PM  | -0.3 | 2.4 | -0.8 | 1.4 | 2.5 |
| 9/23/2020 8:36 PM  | -0.3 | 2.4 | -0.8 | 1.3 | 2.5 |
| 9/23/2020 8:42 PM  | -0.3 | 2.4 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 8:48 PM  | -0.3 | 2.4 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 8:54 PM  | -0.3 | 2.4 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 9:00 PM  | -0.3 | 2.4 | -0.8 | 1.3 | 2.5 |
| 9/23/2020 9:06 PM  | -0.3 | 2.4 | -0.8 | 1.3 | 2.5 |
| 9/23/2020 9:12 PM  | -0.3 | 2.4 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 9:18 PM  | -0.3 | 2.4 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 9:24 PM  | -0.3 | 2.4 | -0.8 | 1.2 | 2.5 |
| 9/23/2020 9:30 PM  | -0.3 | 2.4 | -0.8 | 1.3 | 2.4 |
| 9/23/2020 9:36 PM  | -0.3 | 2.4 | -0.8 | 1.3 | 2.5 |
| 9/23/2020 9:42 PM  | -0.3 | 2.4 | -0.8 | 1.3 | 2.5 |
| 9/23/2020 9:48 PM  | -0.3 | 2.4 | -0.8 | 1.3 | 1.8 |
| 9/23/2020 9:54 PM  | -0.3 | 2.4 | -0.8 | 1.4 | 3.1 |
| 9/23/2020 10:00 PM | 20.8 | 2.4 | -0.8 | 1.4 | 3.0 |
| 9/23/2020 10:06 PM | 42.0 | 2.3 | -0.8 | 1.4 | 0.0 |
| 9/23/2020 10:12 PM | 25.4 | 2.3 | -0.8 | 1.3 | 0.0 |
| 9/23/2020 10:18 PM | 14.2 | 2.3 | -0.8 | 1.3 | 0.0 |
| 9/23/2020 10:24 PM | 9.0  | 2.3 | -0.8 | 1.2 | 0.0 |
| 9/23/2020 10:30 PM | 6.2  | 2.2 | -0.8 | 1.2 | 0.0 |
| 9/23/2020 10:36 PM | 4.2  | 2.2 | -0.8 | 1.3 | 0.0 |
| 9/23/2020 10:42 PM | 2.0  | 2.1 | -0.8 | 1.3 | 0.0 |
| 9/23/2020 10:48 PM | 1.2  | 2.1 | -0.8 | 1.3 | 0.0 |

|                    |     |     |      |      |      |
|--------------------|-----|-----|------|------|------|
| 9/23/2020 10:54 PM | 0.9 | 2.0 | -0.7 | 1.3  | 0.0  |
| 9/23/2020 11:00 PM | 0.8 | 2.0 | -0.7 | 1.3  | 0.0  |
| 9/23/2020 11:06 PM | 0.8 | 1.9 | -0.7 | 1.3  | 0.0  |
| 9/23/2020 11:12 PM | 0.7 | 1.9 | -0.7 | 1.2  | 0.0  |
| 9/23/2020 11:18 PM | 0.7 | 1.9 | -0.7 | 1.2  | 0.0  |
| 9/23/2020 11:24 PM | 0.7 | 1.8 | -0.7 | 1.3  | 0.0  |
| 9/23/2020 11:30 PM | 0.7 | 1.8 | -0.7 | 1.3  | 0.0  |
| 9/23/2020 11:36 PM | 0.6 | 1.7 | -0.7 | 1.2  | 0.0  |
| 9/23/2020 11:42 PM | 0.6 | 1.7 | -0.7 | 1.2  | 0.0  |
| 9/23/2020 11:48 PM | 0.7 | 1.6 | -0.7 | 1.1  | 0.0  |
| 9/23/2020 11:54 PM | 0.8 | 1.6 | -0.7 | 0.9  | 0.0  |
| 9/24/2020 12:00 AM | 1.0 | 1.6 | -0.7 | 0.9  | 0.0  |
| 9/24/2020 12:06 AM | 1.0 | 1.6 | -0.7 | 0.5  | 0.0  |
| 9/24/2020 12:12 AM | 0.7 | 1.6 | -0.7 | -0.4 | 0.0  |
| 9/24/2020 12:18 AM | 0.5 | 1.5 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 12:24 AM | 0.5 | 1.5 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 12:30 AM | 0.5 | 1.4 | -0.7 | -0.7 | 0.0  |
| 9/24/2020 12:36 AM | 0.5 | 1.4 | -0.7 | -0.7 | 0.0  |
| 9/24/2020 12:42 AM | 0.4 | 1.4 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 12:48 AM | 0.4 | 1.4 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 12:54 AM | 0.4 | 1.3 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 1:00 AM  | 0.3 | 1.4 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 1:06 AM  | 0.3 | 1.4 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 1:12 AM  | 0.3 | 1.4 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 1:18 AM  | 0.3 | 1.3 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 1:24 AM  | 0.3 | 1.3 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 1:30 AM  | 0.2 | 1.3 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 1:36 AM  | 0.2 | 1.3 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 1:42 AM  | 0.2 | 1.3 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 1:48 AM  | 0.2 | 1.2 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 1:54 AM  | 0.2 | 1.2 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 2:00 AM  | 0.2 | 1.2 | -0.7 | -0.6 | -0.1 |
| 9/24/2020 2:06 AM  | 0.2 | 1.2 | -0.7 | -0.6 | -0.1 |
| 9/24/2020 2:12 AM  | 0.2 | 1.2 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 2:18 AM  | 0.1 | 1.2 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 2:24 AM  | 0.1 | 1.2 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 2:30 AM  | 0.1 | 1.2 | -0.7 | -0.6 | 0.0  |
| 9/24/2020 2:36 AM  | 0.1 | 1.3 | -0.8 | -0.6 | -0.1 |
| 9/24/2020 2:42 AM  | 0.1 | 1.3 | -0.8 | -0.6 | -0.1 |
| 9/24/2020 2:48 AM  | 0.1 | 1.3 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 2:54 AM  | 0.1 | 1.3 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 3:00 AM  | 0.1 | 1.4 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 3:06 AM  | 0.1 | 1.3 | -0.8 | -0.6 | -0.1 |
| 9/24/2020 3:12 AM  | 0.1 | 1.3 | -0.8 | -0.6 | -0.1 |
| 9/24/2020 3:18 AM  | 0.1 | 1.3 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 3:24 AM  | 0.1 | 1.3 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 3:30 AM  | 0.1 | 1.3 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 3:36 AM  | 0.1 | 1.3 | -0.8 | -0.6 | -0.1 |
| 9/24/2020 3:42 AM  | 0.1 | 1.3 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 3:48 AM  | 0.1 | 1.3 | -0.8 | -0.6 | 0.0  |



|                   |     |     |      |      |      |
|-------------------|-----|-----|------|------|------|
| 9/24/2020 3:54 AM | 0.1 | 1.3 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 4:00 AM | 0.1 | 1.2 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 4:06 AM | 0.1 | 1.2 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 4:12 AM | 0.1 | 1.2 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 4:18 AM | 0.1 | 1.2 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 4:24 AM | 0.2 | 1.2 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 4:30 AM | 0.2 | 1.2 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 4:36 AM | 0.2 | 1.2 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 4:42 AM | 0.2 | 1.2 | -0.8 | -0.6 | -0.1 |
| 9/24/2020 4:48 AM | 0.2 | 1.3 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 4:54 AM | 0.1 | 1.3 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 5:00 AM | 0.2 | 1.3 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 5:06 AM | 0.2 | 1.4 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 5:12 AM | 0.2 | 1.4 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 5:18 AM | 0.2 | 1.4 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 5:24 AM | 0.2 | 1.4 | -0.8 | -0.6 | -0.1 |
| 9/24/2020 5:30 AM | 0.2 | 1.4 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 5:36 AM | 0.2 | 1.4 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 5:42 AM | 0.2 | 1.4 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 5:48 AM | 0.2 | 1.4 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 5:54 AM | 0.2 | 1.5 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 6:00 AM | 0.1 | 1.5 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 6:06 AM | 0.2 | 1.5 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 6:12 AM | 0.2 | 1.5 | -0.8 | -0.6 | 0.0  |
| 9/24/2020 6:18 AM | 0.1 | 1.5 | -0.9 | -0.6 | 0.0  |
| 9/24/2020 6:24 AM | 0.2 | 1.6 | -0.9 | -0.6 | 0.0  |
| 9/24/2020 6:30 AM | 0.3 | 1.7 | -0.9 | -0.6 | 0.0  |
| 9/24/2020 6:36 AM | 0.5 | 1.7 | -0.9 | -0.6 | 0.0  |
| 9/24/2020 6:42 AM | 0.5 | 1.8 | -0.9 | -0.6 | 0.0  |
| 9/24/2020 6:48 AM | 0.5 | 1.9 | -0.9 | -0.6 | 0.0  |
| 9/24/2020 6:54 AM | 0.5 | 1.9 | -1.0 | -0.6 | 0.0  |
| 9/24/2020 7:00 AM | 0.6 | 2.0 | -1.0 | -0.6 | -0.1 |
| 9/24/2020 7:06 AM | 0.4 | 2.0 | -1.0 | -0.6 | 0.0  |
| 9/24/2020 7:12 AM | 0.2 | 2.0 | -1.0 | 1.2  | 0.0  |
| 9/24/2020 7:18 AM | 0.2 | 2.0 | -1.0 | 4.9  | 0.0  |
| 9/24/2020 7:24 AM | 0.2 | 2.1 | -1.0 | 1.3  | 0.0  |
| 9/24/2020 7:30 AM | 0.2 | 2.1 | -1.0 | -0.1 | 0.0  |
| 9/24/2020 7:36 AM | 0.2 | 2.2 | -1.0 | 7.8  | 0.0  |
| 9/24/2020 7:42 AM | 0.4 | 2.3 | -1.0 | 12.0 | 0.0  |
| 9/24/2020 7:48 AM | 0.6 | 2.3 | -1.0 | 6.4  | 0.0  |
| 9/24/2020 7:54 AM | 0.6 | 2.4 | -1.0 | 3.9  | 0.0  |
| 9/24/2020 8:00 AM | 0.6 | 2.4 | -1.0 | 3.2  | 0.0  |
| 9/24/2020 8:06 AM | 0.6 | 2.4 | -1.0 | 2.9  | 0.0  |
| 9/24/2020 8:12 AM | 0.6 | 2.4 | -1.0 | 2.7  | 0.0  |
| 9/24/2020 8:18 AM | 0.5 | 2.4 | -1.0 | 2.6  | 0.0  |
| 9/24/2020 8:24 AM | 0.2 | 2.4 | -1.0 | 2.7  | 0.0  |
| 9/24/2020 8:30 AM | 0.1 | 2.4 | -1.0 | 2.8  | 0.0  |
| 9/24/2020 8:36 AM | 0.2 | 2.4 | -1.0 | 2.9  | 0.0  |
| 9/24/2020 8:42 AM | 0.2 | 2.5 | -1.0 | 2.9  | 0.0  |
| 9/24/2020 8:48 AM | 0.3 | 2.5 | -1.0 | 2.1  | 0.0  |

|                    |      |     |      |     |      |
|--------------------|------|-----|------|-----|------|
| 9/24/2020 8:54 AM  | 0.3  | 2.5 | -1.0 | 1.3 | 0.0  |
| 9/24/2020 9:00 AM  | 0.3  | 2.5 | -1.0 | 1.3 | 0.0  |
| 9/24/2020 9:06 AM  | 0.4  | 2.5 | -1.0 | 1.3 | 0.0  |
| 9/24/2020 9:12 AM  | 0.4  | 2.5 | -1.0 | 1.5 | 0.0  |
| 9/24/2020 9:18 AM  | 0.0  | 2.5 | -1.0 | 2.7 | 0.0  |
| 9/24/2020 9:24 AM  | -0.3 | 2.5 | -1.0 | 3.3 | 0.0  |
| 9/24/2020 9:30 AM  | -0.3 | 2.6 | -1.0 | 4.1 | 0.0  |
| 9/24/2020 9:36 AM  | -0.4 | 2.6 | -1.0 | 4.5 | 0.0  |
| 9/24/2020 9:42 AM  | -0.4 | 2.7 | -1.0 | 4.4 | 0.0  |
| 9/24/2020 9:48 AM  | -0.4 | 2.7 | -1.0 | 4.3 | 0.0  |
| 9/24/2020 9:54 AM  | -0.4 | 2.8 | -0.9 | 4.3 | 0.0  |
| 9/24/2020 10:00 AM | -0.4 | 2.8 | -0.9 | 4.2 | 0.0  |
| 9/24/2020 10:06 AM | -0.4 | 2.8 | -0.9 | 4.7 | 0.0  |
| 9/24/2020 10:12 AM | -0.4 | 2.8 | -0.9 | 5.8 | 0.0  |
| 9/24/2020 10:18 AM | -0.4 | 2.8 | -0.9 | 6.0 | 0.0  |
| 9/24/2020 10:24 AM | -0.4 | 2.8 | -0.9 | 5.9 | 0.0  |
| 9/24/2020 10:30 AM | -0.4 | 2.7 | -0.9 | 5.9 | 0.0  |
| 9/24/2020 10:36 AM | -0.4 | 2.7 | -0.9 | 5.9 | 0.0  |
| 9/24/2020 10:42 AM | -0.3 | 2.7 | -0.9 | 5.7 | 0.0  |
| 9/24/2020 10:48 AM | -0.3 | 2.7 | -0.9 | 5.0 | 0.0  |
| 9/24/2020 10:54 AM | -0.3 | 2.7 | -0.9 | 4.5 | 0.0  |
| 9/24/2020 11:00 AM | -0.3 | 2.7 | -0.9 | 4.5 | 0.0  |
| 9/24/2020 11:06 AM | -0.3 | 2.7 | -0.9 | 4.4 | 0.0  |
| 9/24/2020 11:12 AM | -0.3 | 2.6 | -0.9 | 4.3 | 0.0  |
| 9/24/2020 11:18 AM | -0.3 | 2.6 | -0.9 | 4.5 | 0.0  |
| 9/24/2020 11:24 AM | -0.3 | 2.6 | -0.9 | 4.4 | 0.0  |
| 9/24/2020 11:30 AM | -0.3 | 2.6 | -0.9 | 4.2 | 0.0  |
| 9/24/2020 11:36 AM | -0.3 | 2.6 | -0.9 | 4.0 | 0.0  |
| 9/24/2020 11:42 AM | -0.3 | 2.7 | -0.9 | 4.0 | 0.0  |
| 9/24/2020 11:48 AM | -0.2 | 2.7 | -0.9 | 4.2 | 0.0  |
| 9/24/2020 11:54 AM | -0.3 | 2.7 | -0.9 | 4.2 | 0.0  |
| 9/24/2020 12:00 PM | -0.2 | 2.7 | -0.9 | 4.0 | 0.2  |
| 9/24/2020 12:06 PM | -0.2 | 2.7 | -0.9 | 3.1 | 0.5  |
| 9/24/2020 12:12 PM | -0.2 | 2.7 | -0.9 | 1.9 | 0.2  |
| 9/24/2020 12:18 PM | -0.2 | 2.7 | -0.9 | 1.3 | 9.8  |
| 9/24/2020 12:24 PM | -0.2 | 2.6 | -0.9 | 1.4 | 12.2 |
| 9/24/2020 12:30 PM | -0.2 | 2.6 | -0.9 | 1.3 | 2.0  |
| 9/24/2020 12:36 PM | -0.2 | 2.5 | -0.9 | 1.1 | 0.4  |
| 9/24/2020 12:42 PM | -0.2 | 2.6 | -0.9 | 0.9 | 0.2  |
| 9/24/2020 12:48 PM | -0.2 | 2.6 | -0.9 | 0.9 | 0.1  |
| 9/24/2020 12:54 PM | -0.2 | 2.6 | -0.9 | 0.9 | 0.1  |
| 9/24/2020 1:00 PM  | -0.2 | 2.5 | -0.9 | 0.9 | 0.1  |
| 9/24/2020 1:06 PM  | -0.2 | 2.5 | -0.9 | 0.9 | 0.0  |
| 9/24/2020 1:12 PM  | -0.2 | 2.5 | -0.9 | 0.9 | 0.0  |
| 9/24/2020 1:18 PM  | -0.2 | 2.5 | -0.9 | 0.9 | 0.0  |
| 9/24/2020 1:24 PM  | -0.2 | 2.5 | -0.9 | 0.9 | 0.0  |
| 9/24/2020 1:30 PM  | -0.2 | 2.5 | -0.9 | 0.9 | 0.0  |
| 9/24/2020 1:36 PM  | -0.2 | 2.5 | -0.9 | 0.9 | 0.0  |
| 9/24/2020 1:42 PM  | -0.2 | 2.5 | -0.9 | 0.9 | 0.0  |
| 9/24/2020 1:48 PM  | -0.3 | 2.5 | -0.9 | 1.0 | 0.0  |

|                   |      |      |      |      |      |
|-------------------|------|------|------|------|------|
| 9/24/2020 1:54 PM | -0.2 | 2.5  | -0.9 | 1.0  | 0.0  |
| 9/24/2020 2:00 PM | -0.2 | 2.5  | -0.9 | 0.9  | 0.0  |
| 9/24/2020 2:06 PM | -0.2 | 2.5  | -0.9 | 0.9  | 0.0  |
| 9/24/2020 2:12 PM | -0.2 | 2.4  | -0.9 | 0.9  | 0.0  |
| 9/24/2020 2:18 PM | 0.9  | 2.4  | -0.9 | 1.0  | 0.0  |
| 9/24/2020 2:24 PM | 1.6  | 2.4  | -0.9 | 1.0  | 0.0  |
| 9/24/2020 2:30 PM | 1.0  | 2.4  | -0.9 | 1.0  | 0.0  |
| 9/24/2020 2:36 PM | 1.0  | 2.4  | -0.9 | 1.0  | 0.0  |
| 9/24/2020 2:42 PM | 0.9  | 2.4  | -0.9 | 1.0  | 0.0  |
| 9/24/2020 2:48 PM | 0.9  | 2.4  | -0.9 | 1.1  | 0.0  |
| 9/24/2020 2:54 PM | 0.8  | 2.4  | -0.9 | 1.0  | 0.0  |
| 9/24/2020 3:00 PM | 0.8  | 2.4  | -0.9 | 1.0  | 0.0  |
| 9/24/2020 3:06 PM | 0.9  | 2.4  | -0.9 | 0.9  | 0.0  |
| 9/24/2020 3:12 PM | 1.1  | 2.4  | -0.9 | 1.0  | 9.5  |
| 9/24/2020 3:18 PM | 1.3  | 2.3  | -0.9 | 1.0  | 10.1 |
| 9/24/2020 3:24 PM | 1.4  | 2.3  | -0.9 | 1.0  | 0.6  |
| 9/24/2020 3:30 PM | 1.4  | 2.3  | -0.9 | 1.0  | 0.3  |
| 9/24/2020 3:36 PM | 1.3  | 2.3  | -0.9 | 1.0  | 0.2  |
| 9/24/2020 3:42 PM | 1.3  | 2.2  | -0.9 | 1.0  | 0.1  |
| 9/24/2020 3:48 PM | 1.2  | 2.1  | -0.9 | 1.0  | 0.0  |
| 9/24/2020 3:54 PM | 1.1  | 2.1  | -0.9 | 1.0  | 5.9  |
| 9/24/2020 4:00 PM | 1.0  | 2.1  | -0.9 | 1.0  | 6.5  |
| 9/24/2020 4:06 PM | 0.9  | 2.1  | -0.8 | 0.9  | 0.6  |
| 9/24/2020 4:12 PM | 0.8  | 2.2  | -0.8 | 1.0  | 0.4  |
| 9/24/2020 4:18 PM | 0.7  | 2.2  | -0.8 | 1.0  | 0.2  |
| 9/24/2020 4:24 PM | 0.6  | 2.2  | -0.8 | 1.0  | 0.1  |
| 9/24/2020 4:30 PM | 0.6  | 2.2  | -0.8 | 1.1  | 0.1  |
| 9/24/2020 4:36 PM | 0.6  | 2.2  | -0.8 | 1.1  | 0.0  |
| 9/24/2020 4:42 PM | 0.6  | 4.2  | -0.8 | 1.1  | 0.0  |
| 9/24/2020 4:48 PM | 0.6  | 13.5 | -0.8 | 1.1  | 0.0  |
| 9/24/2020 4:54 PM | 0.6  | 10.1 | -0.8 | 1.1  | 0.0  |
| 9/24/2020 5:00 PM | 0.4  | 8.2  | -0.8 | 1.0  | 8.7  |
| 9/24/2020 5:06 PM | 0.0  | 8.5  | -0.8 | -0.1 | 16.6 |
| 9/24/2020 5:12 PM | -0.1 | 6.5  | -0.8 | -0.7 | 9.4  |
| 9/24/2020 5:18 PM | -0.2 | 4.9  | -0.8 | -0.7 | 6.8  |
| 9/24/2020 5:24 PM | -0.3 | 4.3  | -0.8 | -0.7 | 6.4  |
| 9/24/2020 5:30 PM | -0.3 | 4.5  | -0.8 | -0.6 | 6.4  |
| 9/24/2020 5:36 PM | -0.3 | 4.4  | -0.8 | -0.6 | 6.1  |
| 9/24/2020 5:42 PM | -0.3 | 3.8  | -0.8 | -0.6 | 5.4  |
| 9/24/2020 5:48 PM | -0.3 | 3.0  | -0.8 | -0.7 | 4.6  |
| 9/24/2020 5:54 PM | -0.3 | 2.3  | -0.8 | -0.6 | 4.0  |
| 9/24/2020 6:00 PM | -0.3 | 1.9  | -0.8 | -0.6 | 3.6  |
| 9/24/2020 6:06 PM | -0.3 | 1.6  | -0.8 | -0.6 | 3.2  |
| 9/24/2020 6:12 PM | -0.3 | 1.4  | -0.8 | -0.6 | 3.0  |
| 9/24/2020 6:18 PM | -0.3 | 1.3  | -0.8 | -0.7 | 3.0  |
| 9/24/2020 6:24 PM | -0.3 | 1.2  | -0.8 | -0.7 | 2.9  |
| 9/24/2020 6:30 PM | -0.3 | 1.1  | -0.8 | -0.7 | 2.9  |
| 9/24/2020 6:36 PM | -0.3 | 1.1  | -0.8 | -0.7 | 2.8  |
| 9/24/2020 6:42 PM | -0.3 | 1.1  | -0.8 | -0.6 | 2.8  |
| 9/24/2020 6:48 PM | -0.3 | 1.0  | -0.8 | -0.6 | 2.8  |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/24/2020 6:54 PM  | -0.3 | 0.9 | -0.8 | -0.6 | 2.8 |
| 9/24/2020 7:00 PM  | -0.3 | 0.9 | -0.8 | -0.6 | 2.9 |
| 9/24/2020 7:06 PM  | -0.3 | 0.8 | -0.8 | -0.7 | 2.8 |
| 9/24/2020 7:12 PM  | -0.3 | 0.8 | -0.8 | -0.7 | 2.7 |
| 9/24/2020 7:18 PM  | -0.3 | 0.8 | -0.8 | -0.7 | 2.7 |
| 9/24/2020 7:24 PM  | -0.3 | 0.8 | -0.8 | -0.7 | 2.7 |
| 9/24/2020 7:30 PM  | -0.3 | 0.7 | -0.8 | -0.6 | 2.7 |
| 9/24/2020 7:36 PM  | -0.3 | 0.6 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 7:42 PM  | -0.3 | 0.6 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 7:48 PM  | -0.3 | 0.6 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 7:54 PM  | -0.3 | 0.6 | -0.8 | -0.7 | 2.5 |
| 9/24/2020 8:00 PM  | -0.3 | 0.6 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 8:06 PM  | -0.3 | 0.6 | -0.8 | -0.7 | 2.5 |
| 9/24/2020 8:12 PM  | -0.3 | 0.5 | -0.8 | -0.7 | 2.5 |
| 9/24/2020 8:18 PM  | -0.3 | 0.6 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 8:24 PM  | -0.3 | 0.6 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 8:30 PM  | -0.3 | 0.6 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 8:36 PM  | -0.3 | 0.5 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 8:42 PM  | -0.4 | 0.5 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 8:48 PM  | -0.3 | 0.6 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 8:54 PM  | -0.3 | 0.6 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 9:00 PM  | -0.3 | 0.5 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 9:06 PM  | -0.3 | 0.5 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 9:12 PM  | -0.3 | 0.4 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 9:18 PM  | -0.3 | 0.4 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 9:24 PM  | -0.3 | 0.4 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 9:30 PM  | -0.4 | 0.4 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 9:36 PM  | -0.4 | 0.4 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 9:42 PM  | -0.3 | 0.4 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 9:48 PM  | -0.3 | 0.4 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 9:54 PM  | -0.3 | 0.4 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 10:00 PM | -0.3 | 0.4 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 10:06 PM | -0.3 | 0.4 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 10:12 PM | -0.3 | 0.4 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 10:18 PM | -0.3 | 0.3 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 10:24 PM | -0.3 | 0.3 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 10:30 PM | -0.3 | 0.2 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 10:36 PM | -0.3 | 0.3 | -0.8 | -0.6 | 2.6 |
| 9/24/2020 10:42 PM | -0.3 | 0.2 | -0.8 | -0.6 | 2.5 |
| 9/24/2020 10:48 PM | -0.3 | 0.2 | -0.8 | -0.6 | 2.4 |
| 9/24/2020 10:54 PM | -0.3 | 0.3 | -0.8 | -0.6 | 2.2 |
| 9/24/2020 11:00 PM | -0.3 | 0.3 | -0.8 | -0.6 | 2.3 |
| 9/24/2020 11:06 PM | -0.3 | 0.3 | -0.8 | -0.6 | 2.3 |
| 9/24/2020 11:12 PM | -0.3 | 0.3 | -0.8 | -0.6 | 2.3 |
| 9/24/2020 11:18 PM | -0.3 | 0.3 | -0.8 | -0.6 | 2.4 |
| 9/24/2020 11:24 PM | -0.4 | 0.3 | -0.8 | -0.6 | 2.4 |
| 9/24/2020 11:30 PM | -0.4 | 0.3 | -0.8 | -0.6 | 2.4 |
| 9/24/2020 11:36 PM | -0.4 | 0.3 | -0.8 | -0.6 | 2.4 |
| 9/24/2020 11:42 PM | -0.4 | 0.3 | -0.8 | -0.6 | 2.4 |
| 9/24/2020 11:48 PM | -0.3 | 0.5 | -0.8 | -0.6 | 2.2 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/24/2020 11:54 PM | -0.4 | 0.9 | -0.8 | -0.6 | 0.7 |
| 9/25/2020 12:00 AM | -0.4 | 0.7 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 12:06 AM | -0.4 | 0.4 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 12:12 AM | -0.4 | 0.3 | -0.8 | -0.6 | 0.0 |
| 9/25/2020 12:18 AM | -0.4 | 0.3 | -0.8 | -0.6 | 0.0 |
| 9/25/2020 12:24 AM | -0.4 | 0.3 | -0.8 | -0.6 | 0.0 |
| 9/25/2020 12:30 AM | -0.4 | 0.3 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 12:36 AM | -0.4 | 0.3 | -0.8 | -0.6 | 0.0 |
| 9/25/2020 12:42 AM | -0.4 | 0.3 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 12:48 AM | -0.4 | 0.3 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 12:54 AM | -0.4 | 0.3 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 1:00 AM  | -0.4 | 0.3 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 1:06 AM  | -0.3 | 0.2 | -0.8 | -0.6 | 0.0 |
| 9/25/2020 1:12 AM  | -0.3 | 0.2 | -0.8 | -0.6 | 0.0 |
| 9/25/2020 1:18 AM  | -0.3 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 1:24 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 1:30 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 1:36 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 1:42 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 1:48 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 1:54 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 2:00 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 2:06 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 2:12 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.0 |
| 9/25/2020 2:18 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 2:24 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 2:30 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 2:36 AM  | -0.4 | 0.1 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 2:42 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 2:48 AM  | -0.4 | 0.3 | -0.8 | -0.6 | 0.0 |
| 9/25/2020 2:54 AM  | -0.4 | 0.4 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 3:00 AM  | -0.4 | 0.3 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 3:06 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 3:12 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 3:18 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 3:24 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 3:30 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 3:36 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 3:42 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 3:48 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 3:54 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.0 |
| 9/25/2020 4:00 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 4:06 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 4:12 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 4:18 AM  | -0.4 | 0.1 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 4:24 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 4:30 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 4:36 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 4:42 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |
| 9/25/2020 4:48 AM  | -0.4 | 0.2 | -0.8 | -0.6 | 0.1 |

|                   |      |      |      |      |     |
|-------------------|------|------|------|------|-----|
| 9/25/2020 4:54 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 5:00 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 5:06 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 5:12 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.0 |
| 9/25/2020 5:18 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 5:24 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.0 |
| 9/25/2020 5:30 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.0 |
| 9/25/2020 5:36 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 5:42 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 5:48 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 5:54 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 6:00 AM | -0.4 | 0.1  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 6:06 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 6:12 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 6:18 AM | -0.4 | 0.2  | -0.8 | -0.6 | 0.1 |
| 9/25/2020 6:24 AM | -0.4 | 0.1  | -0.9 | -0.6 | 0.1 |
| 9/25/2020 6:30 AM | -0.4 | 0.1  | -0.9 | -0.5 | 0.1 |
| 9/25/2020 6:36 AM | -0.4 | 0.1  | -0.9 | -0.5 | 0.1 |
| 9/25/2020 6:42 AM | -0.4 | 0.1  | -1.0 | -0.5 | 0.1 |
| 9/25/2020 6:48 AM | -0.4 | 0.1  | -1.0 | -0.5 | 0.1 |
| 9/25/2020 6:54 AM | -0.4 | 0.1  | -1.0 | -0.5 | 0.1 |
| 9/25/2020 7:00 AM | -0.4 | 0.1  | -1.0 | -0.5 | 0.0 |
| 9/25/2020 7:06 AM | -0.4 | 0.1  | -1.0 | -0.5 | 0.1 |
| 9/25/2020 7:12 AM | -0.4 | 0.2  | -1.0 | -0.5 | 0.1 |
| 9/25/2020 7:18 AM | -0.4 | 0.2  | -1.0 | -0.5 | 0.1 |
| 9/25/2020 7:24 AM | -0.4 | 0.1  | -1.0 | -0.5 | 0.1 |
| 9/25/2020 7:30 AM | -0.4 | 0.3  | -1.0 | -0.5 | 0.1 |
| 9/25/2020 7:36 AM | -0.4 | 0.6  | -1.0 | -0.5 | 4.3 |
| 9/25/2020 7:42 AM | -0.4 | 0.4  | -1.0 | -0.5 | 8.3 |
| 9/25/2020 7:48 AM | -0.4 | 0.2  | -1.0 | -0.5 | 9.6 |
| 9/25/2020 7:54 AM | -0.4 | 0.0  | -1.0 | -0.5 | 9.5 |
| 9/25/2020 8:00 AM | -0.4 | 0.1  | -1.0 | -0.5 | 7.4 |
| 9/25/2020 8:06 AM | -0.4 | 0.1  | -1.0 | -0.5 | 6.4 |
| 9/25/2020 8:12 AM | -0.4 | 0.1  | -1.0 | -0.5 | 5.3 |
| 9/25/2020 8:18 AM | -0.3 | 0.2  | -1.0 | -0.5 | 4.4 |
| 9/25/2020 8:24 AM | -0.4 | 0.2  | -1.0 | -0.5 | 3.9 |
| 9/25/2020 8:30 AM | -0.4 | 0.1  | -1.0 | -0.5 | 3.6 |
| 9/25/2020 8:36 AM | -0.3 | 0.5  | -1.0 | -0.5 | 6.1 |
| 9/25/2020 8:42 AM | -0.3 | 0.6  | -1.0 | -0.5 | 8.0 |
| 9/25/2020 8:48 AM | -0.3 | 0.5  | -1.0 | -0.5 | 7.3 |
| 9/25/2020 8:54 AM | -0.3 | 0.2  | -1.0 | -0.5 | 6.6 |
| 9/25/2020 9:00 AM | -0.3 | 0.0  | -1.0 | -0.5 | 6.1 |
| 9/25/2020 9:06 AM | -0.3 | -0.3 | -1.0 | -0.5 | 5.6 |
| 9/25/2020 9:12 AM | -0.3 | -0.4 | -1.0 | -0.5 | 5.0 |
| 9/25/2020 9:18 AM | -0.3 | -0.4 | -1.0 | -0.5 | 3.4 |
| 9/25/2020 9:24 AM | -0.3 | -0.5 | -1.0 | -0.5 | 2.3 |
| 9/25/2020 9:30 AM | -0.3 | -0.5 | -0.9 | -0.5 | 2.5 |
| 9/25/2020 9:36 AM | -0.3 | -0.5 | -0.9 | -0.5 | 2.5 |
| 9/25/2020 9:42 AM | -0.3 | -0.6 | -0.9 | -0.5 | 2.5 |
| 9/25/2020 9:48 AM | -0.3 | -0.6 | -0.8 | -0.5 | 2.5 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 9/25/2020 9:54 AM  | -0.3 | -0.5 | -0.8 | -0.5 | 2.5  |
| 9/25/2020 10:00 AM | -0.2 | -0.5 | -0.8 | -0.5 | 2.5  |
| 9/25/2020 10:06 AM | -0.2 | -0.5 | -0.8 | -0.5 | 2.1  |
| 9/25/2020 10:12 AM | -0.2 | -0.6 | -0.8 | -0.5 | 0.8  |
| 9/25/2020 10:18 AM | -0.2 | -0.5 | -0.8 | -0.5 | 0.1  |
| 9/25/2020 10:24 AM | -0.2 | -0.6 | -0.8 | -0.5 | 0.1  |
| 9/25/2020 10:30 AM | -0.2 | -0.5 | -0.9 | -0.5 | 0.1  |
| 9/25/2020 10:36 AM | -0.2 | -0.5 | -0.9 | -0.5 | 0.1  |
| 9/25/2020 10:42 AM | -0.2 | -0.5 | -0.9 | -0.5 | 0.1  |
| 9/25/2020 10:48 AM | -0.2 | -0.6 | -0.8 | -0.5 | 0.0  |
| 9/25/2020 10:54 AM | -0.2 | -0.6 | -0.8 | -0.5 | 0.0  |
| 9/25/2020 11:00 AM | -0.2 | -0.6 | -0.8 | -0.5 | 0.0  |
| 9/25/2020 11:06 AM | -0.2 | -0.6 | -0.8 | -0.5 | 0.0  |
| 9/25/2020 11:12 AM | -0.2 | -0.6 | -0.8 | -0.5 | 0.0  |
| 9/25/2020 11:18 AM | -0.2 | -0.6 | -0.8 | -0.5 | 0.1  |
| 9/25/2020 11:24 AM | -0.2 | -0.6 | -0.7 | -0.5 | 0.1  |
| 9/25/2020 11:30 AM | -0.2 | -0.5 | -0.7 | -0.5 | 0.0  |
| 9/25/2020 11:36 AM | -0.2 | -0.6 | -0.7 | -0.5 | 0.0  |
| 9/25/2020 11:42 AM | -0.2 | -0.6 | -0.6 | -0.5 | 0.0  |
| 9/25/2020 11:48 AM | -0.2 | -0.6 | -0.6 | -0.5 | 0.0  |
| 9/25/2020 11:54 AM | -0.2 | -0.6 | -0.6 | -0.5 | 0.0  |
| 9/25/2020 12:00 PM | -0.2 | -0.5 | -0.6 | -0.5 | 0.0  |
| 9/25/2020 12:06 PM | -0.2 | -0.6 | -0.6 | -0.6 | -0.1 |
| 9/25/2020 12:12 PM | -0.2 | -0.6 | -0.6 | -0.6 | -0.1 |
| 9/25/2020 12:18 PM | -0.2 | -0.6 | -0.7 | -0.6 | -0.1 |
| 9/25/2020 12:24 PM | -0.2 | -0.6 | -0.7 | -0.6 | 0.0  |
| 9/25/2020 12:30 PM | -0.2 | -0.6 | -0.7 | -0.6 | -0.1 |
| 9/25/2020 12:36 PM | -0.2 | -0.6 | -0.7 | -0.6 | -0.1 |
| 9/25/2020 12:42 PM | -0.2 | -0.6 | -0.8 | -0.6 | -0.1 |
| 9/25/2020 12:48 PM | -0.2 | -0.6 | -0.8 | -0.6 | -0.1 |
| 9/25/2020 12:54 PM | 2.0  | -0.6 | -0.8 | -0.6 | -0.1 |
| 9/25/2020 1:00 PM  | 3.1  | -0.6 | -0.8 | -0.6 | -0.1 |
| 9/25/2020 1:06 PM  | 1.4  | -0.6 | -0.8 | 9.1  | -0.1 |
| 9/25/2020 1:12 PM  | 1.2  | -0.6 | -0.8 | 7.8  | -0.1 |
| 9/25/2020 1:18 PM  | 1.0  | -0.6 | -0.8 | 0.6  | -0.1 |
| 9/25/2020 1:24 PM  | 0.7  | -0.6 | -0.8 | -0.2 | -0.1 |
| 9/25/2020 1:30 PM  | 0.4  | -0.6 | -0.8 | -0.5 | 0.0  |
| 9/25/2020 1:36 PM  | 0.2  | -0.5 | -0.8 | -0.6 | -0.1 |
| 9/25/2020 1:42 PM  | 0.0  | -0.6 | -0.7 | -0.6 | -0.1 |
| 9/25/2020 1:48 PM  | -0.1 | -0.6 | -0.7 | -0.6 | -0.1 |
| 9/25/2020 1:54 PM  | -0.1 | -0.6 | -0.6 | -0.6 | -0.1 |
| 9/25/2020 2:00 PM  | -0.1 | -0.5 | -0.6 | -0.6 | -0.1 |
| 9/25/2020 2:06 PM  | -0.2 | -0.5 | -0.6 | -0.6 | -0.1 |
| 9/25/2020 2:12 PM  | -0.2 | -0.5 | -0.6 | -0.6 | -0.1 |
| 9/25/2020 2:18 PM  | -0.1 | -0.5 | -0.6 | -0.6 | -0.1 |
| 9/25/2020 2:24 PM  | -0.1 | -0.5 | -0.6 | -0.6 | -0.1 |
| 9/25/2020 2:30 PM  | -0.2 | -0.5 | -0.6 | -0.6 | -0.1 |
| 9/25/2020 2:36 PM  | -0.1 | -0.5 | -0.5 | -0.6 | -0.1 |
| 9/25/2020 2:42 PM  | -0.1 | -0.5 | -0.5 | -0.6 | -0.1 |
| 9/25/2020 2:48 PM  | -0.1 | -0.5 | -0.5 | -0.5 | -0.1 |

|                   |      |      |      |      |      |
|-------------------|------|------|------|------|------|
| 9/25/2020 2:54 PM | -0.1 | -0.5 | -0.5 | -0.5 | -0.1 |
| 9/25/2020 3:00 PM | -0.2 | -0.5 | -0.5 | -0.5 | -0.1 |
| 9/25/2020 3:06 PM | -0.2 | -0.5 | -0.5 | -0.5 | -0.1 |
| 9/25/2020 3:12 PM | -0.2 | -0.5 | -0.5 | -0.5 | -0.1 |
| 9/25/2020 3:18 PM | -0.2 | 8.4  | -0.6 | -0.5 | 9.1  |
| 9/25/2020 3:24 PM | -0.2 | 6.8  | -0.6 | -0.5 | 12.9 |
| 9/25/2020 3:30 PM | -0.2 | 2.3  | -0.5 | -0.5 | 8.0  |
| 9/25/2020 3:36 PM | -0.2 | 1.6  | -0.6 | -0.5 | 6.0  |
| 9/25/2020 3:42 PM | -0.2 | 1.2  | -0.6 | -0.5 | 5.0  |
| 9/25/2020 3:48 PM | -0.2 | 1.0  | -0.6 | -0.5 | 4.3  |
| 9/25/2020 3:54 PM | -0.3 | 0.9  | -0.6 | -0.5 | 3.8  |
| 9/25/2020 4:00 PM | -0.3 | 0.8  | -0.7 | -0.5 | 3.7  |
| 9/25/2020 4:06 PM | -0.3 | 0.7  | -0.7 | -0.5 | 3.5  |
| 9/25/2020 4:12 PM | -0.3 | 0.7  | -0.7 | -0.5 | 3.4  |
| 9/25/2020 4:18 PM | -0.3 | 0.6  | -0.7 | -0.5 | 3.2  |
| 9/25/2020 4:24 PM | -0.3 | 0.6  | -0.7 | -0.5 | 3.0  |
| 9/25/2020 4:30 PM | -0.3 | 0.6  | -0.7 | -0.5 | 3.0  |
| 9/25/2020 4:36 PM | -0.3 | 0.5  | -0.7 | -0.5 | 3.0  |
| 9/25/2020 4:42 PM | -0.3 | 0.5  | -0.7 | -0.5 | 3.0  |
| 9/25/2020 4:48 PM | -0.3 | 0.5  | -0.7 | -0.5 | 2.9  |
| 9/25/2020 4:54 PM | -0.3 | 0.5  | -0.7 | -0.5 | 2.8  |
| 9/25/2020 5:00 PM | -0.3 | 0.6  | -0.8 | -0.5 | 2.8  |
| 9/25/2020 5:06 PM | -0.3 | 0.5  | -0.8 | -0.5 | 2.7  |
| 9/25/2020 5:12 PM | -0.3 | 0.5  | -0.8 | -0.5 | 2.7  |
| 9/25/2020 5:18 PM | -0.3 | 0.5  | -0.8 | -0.5 | 2.6  |
| 9/25/2020 5:24 PM | -0.3 | 0.5  | -0.8 | -0.5 | 2.6  |
| 9/25/2020 5:30 PM | -0.3 | 0.5  | -0.8 | -0.5 | 2.6  |
| 9/25/2020 5:36 PM | -0.3 | 0.4  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 5:42 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 5:48 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.6  |
| 9/25/2020 5:54 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.6  |
| 9/25/2020 6:00 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.6  |
| 9/25/2020 6:06 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.6  |
| 9/25/2020 6:12 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 6:18 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 6:24 PM | -0.3 | 0.4  | -0.8 | -0.5 | 2.6  |
| 9/25/2020 6:30 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 6:36 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 6:42 PM | -0.3 | 0.4  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 6:48 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 6:54 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.6  |
| 9/25/2020 7:00 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 7:06 PM | -0.3 | 0.2  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 7:12 PM | -0.3 | 0.2  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 7:18 PM | -0.3 | 0.2  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 7:24 PM | -0.3 | 0.2  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 7:30 PM | -0.3 | 0.2  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 7:36 PM | -0.3 | 0.2  | -0.8 | -0.5 | 2.4  |
| 9/25/2020 7:42 PM | -0.3 | 0.2  | -0.8 | -0.5 | 2.5  |
| 9/25/2020 7:48 PM | -0.3 | 0.3  | -0.8 | -0.5 | 2.6  |



|                    |      |     |      |      |      |
|--------------------|------|-----|------|------|------|
| 9/25/2020 7:54 PM  | -0.3 | 0.4 | -0.8 | -0.5 | 2.6  |
| 9/25/2020 8:00 PM  | -0.3 | 0.3 | -0.8 | -0.5 | 2.5  |
| 9/25/2020 8:06 PM  | -0.3 | 0.3 | -0.8 | -0.5 | 2.5  |
| 9/25/2020 8:12 PM  | -0.3 | 0.2 | -0.7 | -0.5 | 2.5  |
| 9/25/2020 8:18 PM  | -0.3 | 0.2 | -0.7 | -0.5 | 2.5  |
| 9/25/2020 8:24 PM  | -0.3 | 0.2 | -0.7 | -0.5 | 2.5  |
| 9/25/2020 8:30 PM  | -0.3 | 0.2 | -0.7 | -0.5 | 2.6  |
| 9/25/2020 8:36 PM  | -0.3 | 0.1 | -0.7 | -0.5 | 2.5  |
| 9/25/2020 8:42 PM  | -0.3 | 0.1 | -0.7 | -0.5 | 2.5  |
| 9/25/2020 8:48 PM  | -0.3 | 0.1 | -0.7 | -0.5 | 2.6  |
| 9/25/2020 8:54 PM  | -0.3 | 0.1 | -0.7 | -0.5 | 2.7  |
| 9/25/2020 9:00 PM  | -0.3 | 0.2 | -0.7 | -0.5 | 2.6  |
| 9/25/2020 9:06 PM  | -0.3 | 0.2 | -0.7 | -0.5 | 2.6  |
| 9/25/2020 9:12 PM  | -0.3 | 0.2 | -0.7 | -0.5 | 2.6  |
| 9/25/2020 9:18 PM  | -0.3 | 0.1 | -0.7 | -0.5 | 2.6  |
| 9/25/2020 9:24 PM  | -0.3 | 0.2 | -0.7 | -0.4 | 2.7  |
| 9/25/2020 9:30 PM  | -0.3 | 0.2 | -0.7 | -0.4 | 2.6  |
| 9/25/2020 9:36 PM  | -0.3 | 0.2 | -0.7 | -0.4 | 2.6  |
| 9/25/2020 9:42 PM  | -0.4 | 0.2 | -0.7 | -0.4 | 2.6  |
| 9/25/2020 9:48 PM  | -0.4 | 0.2 | -0.7 | -0.4 | 2.6  |
| 9/25/2020 9:54 PM  | -0.4 | 0.2 | -0.7 | -0.4 | 2.6  |
| 9/25/2020 10:00 PM | -0.4 | 0.2 | -0.7 | -0.4 | 2.5  |
| 9/25/2020 10:06 PM | -0.4 | 0.3 | -0.7 | -0.4 | 2.5  |
| 9/25/2020 10:12 PM | -0.4 | 0.3 | -0.7 | -0.4 | 2.5  |
| 9/25/2020 10:18 PM | -0.4 | 0.3 | -0.8 | -0.4 | 2.5  |
| 9/25/2020 10:24 PM | -0.4 | 0.3 | -0.7 | -0.4 | 2.4  |
| 9/25/2020 10:30 PM | -0.4 | 0.3 | -0.8 | -0.4 | 2.4  |
| 9/25/2020 10:36 PM | -0.4 | 0.3 | -0.8 | -0.4 | 2.3  |
| 9/25/2020 10:42 PM | -0.4 | 0.3 | -0.8 | -0.4 | 2.4  |
| 9/25/2020 10:48 PM | -0.4 | 0.8 | -0.8 | -0.4 | 1.7  |
| 9/25/2020 10:54 PM | -0.4 | 1.3 | -0.8 | -0.4 | 0.4  |
| 9/25/2020 11:00 PM | -0.4 | 1.0 | -0.8 | -0.4 | 0.0  |
| 9/25/2020 11:06 PM | -0.4 | 0.9 | -0.8 | -0.4 | 0.0  |
| 9/25/2020 11:12 PM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/25/2020 11:18 PM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/25/2020 11:24 PM | -0.4 | 0.7 | -0.8 | -0.4 | -0.1 |
| 9/25/2020 11:30 PM | -0.4 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/25/2020 11:36 PM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/25/2020 11:42 PM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/25/2020 11:48 PM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/25/2020 11:54 PM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 12:00 AM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 12:06 AM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 12:12 AM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 12:18 AM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 12:24 AM | -0.4 | 0.8 | -0.7 | -0.4 | 0.0  |
| 9/26/2020 12:30 AM | -0.4 | 0.8 | -0.7 | -0.4 | 0.0  |
| 9/26/2020 12:36 AM | -0.4 | 0.8 | -0.7 | -0.4 | 0.0  |
| 9/26/2020 12:42 AM | -0.4 | 0.8 | -0.7 | -0.4 | 0.0  |
| 9/26/2020 12:48 AM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |

|                    |      |     |      |      |      |
|--------------------|------|-----|------|------|------|
| 9/26/2020 12:54 AM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 1:00 AM  | -0.4 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 1:06 AM  | -0.4 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 1:12 AM  | -0.4 | 0.8 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 1:18 AM  | -0.4 | 0.8 | -0.7 | -0.4 | 0.0  |
| 9/26/2020 1:24 AM  | -0.4 | 0.9 | -0.7 | -0.4 | 0.0  |
| 9/26/2020 1:30 AM  | -0.4 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 1:36 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 1:42 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 1:48 AM  | -0.4 | 0.4 | -0.8 | -0.4 | -0.1 |
| 9/26/2020 1:54 AM  | -0.4 | 0.4 | -0.8 | -0.4 | -0.1 |
| 9/26/2020 2:00 AM  | -0.4 | 0.4 | -0.8 | -0.4 | -0.1 |
| 9/26/2020 2:06 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 2:12 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 2:18 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 2:24 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 2:30 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 2:36 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 2:42 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 2:48 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 2:54 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 3:00 AM  | -0.4 | 0.3 | -0.8 | -0.4 | -0.1 |
| 9/26/2020 3:06 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 3:12 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 3:18 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 3:24 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 3:30 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 3:36 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 3:42 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 3:48 AM  | -0.4 | 0.2 | -0.8 | -0.4 | -0.1 |
| 9/26/2020 3:54 AM  | -0.4 | 0.2 | -0.8 | -0.4 | -0.1 |
| 9/26/2020 4:00 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 4:06 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 4:12 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 4:18 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 4:24 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 4:30 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 4:36 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 4:42 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 4:48 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 4:54 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 5:00 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 5:06 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 5:12 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 5:18 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 5:24 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 5:30 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 5:36 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 5:42 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0  |
| 9/26/2020 5:48 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0  |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/26/2020 5:54 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0 |
| 9/26/2020 6:00 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0 |
| 9/26/2020 6:06 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0 |
| 9/26/2020 6:12 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0 |
| 9/26/2020 6:18 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0 |
| 9/26/2020 6:24 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0 |
| 9/26/2020 6:30 AM  | -0.4 | 0.4 | -0.8 | -0.4 | 0.0 |
| 9/26/2020 6:36 AM  | -0.4 | 0.3 | -0.8 | -0.4 | 0.0 |
| 9/26/2020 6:42 AM  | -0.4 | 0.2 | -0.8 | -0.4 | 0.0 |
| 9/26/2020 6:48 AM  | -0.4 | 0.3 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 6:54 AM  | -0.4 | 0.4 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 7:00 AM  | -0.4 | 0.3 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 7:06 AM  | -0.4 | 0.3 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 7:12 AM  | -0.4 | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 7:18 AM  | -0.4 | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 7:24 AM  | -0.4 | 0.4 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 7:30 AM  | -0.4 | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 7:36 AM  | -0.4 | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 7:42 AM  | -0.4 | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 7:48 AM  | -0.4 | 0.4 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 7:54 AM  | -0.4 | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 8:00 AM  | -0.4 | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 8:06 AM  | -0.4 | 0.6 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 8:12 AM  | -0.4 | 0.8 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 8:18 AM  | -0.4 | 0.7 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 8:24 AM  | -0.4 | 0.7 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 8:30 AM  | -0.4 | 0.7 | -0.9 | -0.4 | 0.0 |
| 9/26/2020 8:36 AM  | -0.4 | 0.7 | -1.0 | -0.4 | 0.0 |
| 9/26/2020 8:42 AM  | -0.4 | 0.7 | -1.0 | -0.4 | 0.0 |
| 9/26/2020 8:48 AM  | -0.4 | 0.7 | -1.0 | -0.4 | 0.0 |
| 9/26/2020 8:54 AM  | -0.4 | 0.7 | -1.0 | -0.4 | 0.0 |
| 9/26/2020 9:00 AM  | -0.3 | 1.0 | -1.0 | -0.4 | 0.0 |
| 9/26/2020 9:06 AM  | -0.3 | 1.2 | -1.0 | -0.4 | 0.0 |
| 9/26/2020 9:12 AM  | -0.3 | 0.8 | -1.0 | -0.4 | 8.0 |
| 9/26/2020 9:18 AM  | -0.3 | 0.3 | -1.0 | -0.4 | 8.5 |
| 9/26/2020 9:24 AM  | -0.3 | 0.3 | -1.0 | -0.4 | 6.6 |
| 9/26/2020 9:30 AM  | -0.3 | 0.3 | -1.0 | -0.4 | 6.7 |
| 9/26/2020 9:36 AM  | -0.3 | 0.3 | -1.0 | -0.4 | 6.5 |
| 9/26/2020 9:42 AM  | -0.3 | 0.3 | -1.0 | -0.4 | 5.9 |
| 9/26/2020 9:48 AM  | -0.3 | 0.3 | -1.0 | -0.4 | 5.1 |
| 9/26/2020 9:54 AM  | -0.3 | 0.3 | -1.0 | -0.4 | 4.3 |
| 9/26/2020 10:00 AM | -0.3 | 0.3 | -1.0 | -0.4 | 3.7 |
| 9/26/2020 10:06 AM | -0.3 | 0.3 | -1.0 | -0.4 | 3.5 |
| 9/26/2020 10:12 AM | -0.3 | 0.3 | -1.0 | -0.4 | 3.3 |
| 9/26/2020 10:18 AM | -0.3 | 0.3 | -1.0 | -0.4 | 3.2 |
| 9/26/2020 10:24 AM | -0.3 | 0.3 | -1.0 | -0.4 | 3.1 |
| 9/26/2020 10:30 AM | -0.3 | 0.3 | -1.0 | -0.4 | 3.1 |
| 9/26/2020 10:36 AM | -0.3 | 0.3 | -1.0 | -0.4 | 3.0 |
| 9/26/2020 10:42 AM | -0.3 | 0.3 | -1.0 | -0.4 | 2.9 |
| 9/26/2020 10:48 AM | -0.3 | 0.3 | -1.0 | -0.4 | 2.8 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/26/2020 10:54 AM | -0.3 | 0.3 | -1.0 | -0.4 | 2.8 |
| 9/26/2020 11:00 AM | -0.3 | 0.3 | -1.0 | -0.4 | 2.9 |
| 9/26/2020 11:06 AM | -0.3 | 0.3 | -1.0 | -0.4 | 2.8 |
| 9/26/2020 11:12 AM | -0.3 | 0.3 | -1.0 | -0.4 | 2.8 |
| 9/26/2020 11:18 AM | -0.3 | 0.4 | -1.0 | -0.4 | 2.8 |
| 9/26/2020 11:24 AM | -0.3 | 0.3 | -0.9 | -0.4 | 2.7 |
| 9/26/2020 11:30 AM | -0.3 | 0.3 | -0.9 | -0.4 | 2.7 |
| 9/26/2020 11:36 AM | -0.3 | 0.3 | -0.9 | -0.4 | 2.7 |
| 9/26/2020 11:42 AM | -0.3 | 0.2 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 11:48 AM | -0.3 | 0.2 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 11:54 AM | -0.3 | 0.1 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 12:00 PM | -0.3 | 0.1 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 12:06 PM | -0.3 | 0.2 | -1.0 | -0.4 | 2.7 |
| 9/26/2020 12:12 PM | -0.3 | 0.2 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 12:18 PM | -0.3 | 0.2 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 12:24 PM | -0.3 | 0.2 | -1.0 | -0.4 | 2.6 |
| 9/26/2020 12:30 PM | -0.3 | 0.2 | -1.0 | -0.4 | 2.7 |
| 9/26/2020 12:36 PM | -0.3 | 0.2 | -1.0 | -0.4 | 2.6 |
| 9/26/2020 12:42 PM | -0.3 | 0.2 | -1.0 | -0.4 | 2.6 |
| 9/26/2020 12:48 PM | -0.3 | 0.3 | -1.0 | -0.4 | 2.7 |
| 9/26/2020 12:54 PM | -0.3 | 0.3 | -1.0 | -0.4 | 2.7 |
| 9/26/2020 1:00 PM  | -0.3 | 0.3 | -1.0 | -0.4 | 2.7 |
| 9/26/2020 1:06 PM  | -0.3 | 0.3 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 1:12 PM  | -0.3 | 0.4 | -0.9 | -0.4 | 2.5 |
| 9/26/2020 1:18 PM  | -0.3 | 0.4 | -0.9 | -0.4 | 2.5 |
| 9/26/2020 1:24 PM  | -0.3 | 0.4 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 1:30 PM  | -0.3 | 0.5 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 1:36 PM  | -0.3 | 0.5 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 1:42 PM  | -0.3 | 0.5 | -0.8 | -0.4 | 2.4 |
| 9/26/2020 1:48 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 1:54 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 2:00 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 2:06 PM  | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 2:12 PM  | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 2:18 PM  | -0.3 | 0.4 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 2:24 PM  | -0.3 | 0.4 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 2:30 PM  | -0.3 | 0.3 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 2:36 PM  | -0.3 | 0.3 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 2:42 PM  | -0.3 | 0.4 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 2:48 PM  | -0.3 | 0.4 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 2:54 PM  | -0.3 | 0.4 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 3:00 PM  | -0.3 | 0.4 | -0.9 | -0.4 | 2.6 |
| 9/26/2020 3:06 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 3:12 PM  | -0.3 | 0.3 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 3:18 PM  | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 3:24 PM  | -0.3 | 0.3 | -0.7 | -0.4 | 2.7 |
| 9/26/2020 3:30 PM  | -0.3 | 0.3 | -0.7 | -0.4 | 2.6 |
| 9/26/2020 3:36 PM  | -0.3 | 0.3 | -0.7 | -0.4 | 2.6 |
| 9/26/2020 3:42 PM  | -0.3 | 0.3 | -0.7 | -0.4 | 2.6 |
| 9/26/2020 3:48 PM  | -0.3 | 0.4 | -0.7 | -0.4 | 2.7 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 9/26/2020 3:54 PM | -0.3 | 0.4 | -0.7 | -0.4 | 2.6 |
| 9/26/2020 4:00 PM | -0.3 | 0.4 | -0.7 | -0.4 | 2.6 |
| 9/26/2020 4:06 PM | -0.3 | 0.3 | -0.7 | -0.4 | 2.7 |
| 9/26/2020 4:12 PM | -0.3 | 0.3 | -0.7 | -0.4 | 2.6 |
| 9/26/2020 4:18 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 4:24 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 4:30 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 4:36 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 4:42 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 4:48 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 4:54 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 5:00 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 5:06 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 5:12 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 5:18 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 5:24 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 5:30 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 5:36 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 5:42 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 5:48 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 5:54 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 6:00 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 6:06 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 6:12 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 6:18 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 6:24 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 6:30 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 6:36 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 6:42 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 6:48 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 6:54 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 7:00 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 7:06 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.8 |
| 9/26/2020 7:12 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.8 |
| 9/26/2020 7:18 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 7:24 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 7:30 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 7:36 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 7:42 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 7:48 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 7:54 PM | -0.3 | 0.2 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 8:00 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 8:06 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 8:12 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 8:18 PM | -0.3 | 0.5 | -0.8 | -0.4 | 2.8 |
| 9/26/2020 8:24 PM | -0.3 | 0.5 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 8:30 PM | -0.3 | 0.5 | -0.8 | -0.4 | 2.8 |
| 9/26/2020 8:36 PM | -0.3 | 0.5 | -0.8 | -0.4 | 2.8 |
| 9/26/2020 8:42 PM | -0.3 | 0.5 | -0.8 | -0.4 | 2.8 |
| 9/26/2020 8:48 PM | -0.3 | 0.5 | -0.8 | -0.4 | 2.8 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/26/2020 8:54 PM  | -0.3 | 0.5 | -0.8 | -0.4 | 2.8 |
| 9/26/2020 9:00 PM  | -0.3 | 0.5 | -0.8 | -0.4 | 2.8 |
| 9/26/2020 9:06 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.8 |
| 9/26/2020 9:12 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.8 |
| 9/26/2020 9:18 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 9:24 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 9:30 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 9:36 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 9:42 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 9:48 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 9:54 PM  | -0.3 | 0.4 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 10:00 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 10:06 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 10:12 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.7 |
| 9/26/2020 10:18 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 10:24 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 10:30 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 10:36 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 10:42 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 10:48 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 10:54 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 11:00 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 11:06 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.4 |
| 9/26/2020 11:12 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 11:18 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 11:24 PM | -0.3 | 0.4 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 11:30 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.6 |
| 9/26/2020 11:36 PM | -0.3 | 0.3 | -0.8 | -0.4 | 2.5 |
| 9/26/2020 11:42 PM | -0.3 | 0.9 | -0.8 | -0.4 | 2.0 |
| 9/26/2020 11:48 PM | -0.3 | 1.2 | -0.8 | -0.4 | 0.6 |
| 9/26/2020 11:54 PM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 12:00 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 12:06 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 12:12 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 12:18 AM | -0.4 | 0.7 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 12:24 AM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 12:30 AM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 12:36 AM | -0.4 | 0.8 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 12:42 AM | -0.4 | 0.7 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 12:48 AM | -0.4 | 0.7 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 12:54 AM | -0.4 | 0.7 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 1:00 AM  | -0.4 | 0.7 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 1:06 AM  | -0.4 | 0.8 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 1:12 AM  | -0.4 | 0.9 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 1:18 AM  | -0.4 | 0.9 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 1:24 AM  | -0.3 | 0.8 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 1:30 AM  | -0.3 | 0.7 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 1:36 AM  | -0.3 | 0.7 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 1:42 AM  | -0.3 | 0.7 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 1:48 AM  | -0.3 | 0.7 | -0.8 | -0.4 | 0.0 |

|                   |      |     |      |      |      |
|-------------------|------|-----|------|------|------|
| 9/27/2020 1:54 AM | -0.3 | 0.7 | -0.8 | -0.4 | -0.1 |
| 9/27/2020 2:00 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 2:06 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 2:12 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 2:18 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 2:24 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 2:30 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 2:36 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 2:42 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 2:48 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 2:54 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 3:00 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 3:06 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 3:12 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 3:18 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 3:24 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 3:30 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 3:36 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 3:42 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 3:48 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 3:54 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 4:00 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 4:06 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 4:12 AM | -0.3 | 0.6 | -0.8 | -0.4 | -0.1 |
| 9/27/2020 4:18 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 4:24 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 4:30 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 4:36 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 4:42 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 4:48 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 4:54 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 5:00 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 5:06 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 5:12 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 5:18 AM | -0.3 | 0.5 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 5:24 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 5:30 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 5:36 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 5:42 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 5:48 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 5:54 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 6:00 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 6:06 AM | -0.3 | 0.7 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 6:12 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 6:18 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 6:24 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 6:30 AM | -0.3 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 6:36 AM | -0.3 | 0.6 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 6:42 AM | -0.3 | 0.6 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 6:48 AM | -0.3 | 0.6 | -0.9 | -0.4 | 0.0  |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/27/2020 6:54 AM  | -0.3 | 0.6 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 7:00 AM  | -0.3 | 0.6 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 7:06 AM  | -0.3 | 0.6 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 7:12 AM  | -0.3 | 0.7 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 7:18 AM  | -0.3 | 0.6 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 7:24 AM  | -0.3 | 0.6 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 7:30 AM  | -0.3 | 0.7 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 7:36 AM  | -0.3 | 0.9 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 7:42 AM  | -0.3 | 1.1 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 7:48 AM  | -0.3 | 1.2 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 7:54 AM  | -0.3 | 1.1 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 8:00 AM  | -0.3 | 1.0 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 8:06 AM  | -0.3 | 1.2 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 8:12 AM  | -0.3 | 1.2 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 8:18 AM  | -0.3 | 1.3 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 8:24 AM  | -0.3 | 1.4 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 8:30 AM  | -0.3 | 1.4 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 8:36 AM  | -0.3 | 1.3 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 8:42 AM  | -0.3 | 1.3 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 8:48 AM  | -0.3 | 1.3 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 8:54 AM  | -0.3 | 1.3 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 9:00 AM  | 29.8 | 1.3 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 9:06 AM  | 34.4 | 1.0 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 9:12 AM  | 11.9 | 0.7 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 9:18 AM  | 6.1  | 0.7 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 9:24 AM  | 6.3  | 0.8 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 9:30 AM  | 5.3  | 0.7 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 9:36 AM  | 3.0  | 0.6 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 9:42 AM  | 1.9  | 0.6 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 9:48 AM  | 1.3  | 0.6 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 9:54 AM  | 1.1  | 0.6 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 10:00 AM | 1.1  | 0.6 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 10:06 AM | 1.0  | 0.5 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 10:12 AM | 0.9  | 0.5 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 10:18 AM | 0.9  | 0.5 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 10:24 AM | 0.9  | 0.5 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 10:30 AM | 0.9  | 0.6 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 10:36 AM | 0.8  | 0.6 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 10:42 AM | 0.8  | 0.6 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 10:48 AM | 0.7  | 0.6 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 10:54 AM | 0.7  | 0.6 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 11:00 AM | 0.8  | 0.6 | -1.0 | -0.4 | 0.0 |
| 9/27/2020 11:06 AM | 1.0  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 11:12 AM | 1.3  | 0.6 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 11:18 AM | 1.4  | 0.7 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 11:24 AM | 1.4  | 0.7 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 11:30 AM | 1.4  | 0.7 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 11:36 AM | 1.4  | 0.7 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 11:42 AM | 1.3  | 0.6 | -0.8 | -0.4 | 0.0 |
| 9/27/2020 11:48 AM | 1.3  | 0.6 | -0.7 | -0.4 | 0.0 |



|                    |     |     |      |      |      |
|--------------------|-----|-----|------|------|------|
| 9/27/2020 11:54 AM | 1.3 | 0.6 | -0.7 | -0.4 | 0.0  |
| 9/27/2020 12:00 PM | 1.2 | 0.6 | -0.7 | -0.4 | 0.0  |
| 9/27/2020 12:06 PM | 1.1 | 0.5 | -0.8 | -0.4 | -0.1 |
| 9/27/2020 12:12 PM | 1.0 | 0.6 | -0.8 | -0.4 | -0.1 |
| 9/27/2020 12:18 PM | 1.0 | 0.6 | -0.8 | -0.4 | -0.1 |
| 9/27/2020 12:24 PM | 0.9 | 0.6 | -0.8 | -0.4 | -0.1 |
| 9/27/2020 12:30 PM | 0.8 | 0.5 | -0.8 | -0.5 | -0.1 |
| 9/27/2020 12:36 PM | 0.8 | 0.5 | -0.8 | -0.5 | -0.1 |
| 9/27/2020 12:42 PM | 0.7 | 0.6 | -0.8 | -0.5 | -0.1 |
| 9/27/2020 12:48 PM | 0.7 | 0.5 | -0.8 | -0.5 | -0.1 |
| 9/27/2020 12:54 PM | 0.7 | 0.5 | -0.8 | -0.5 | -0.1 |
| 9/27/2020 1:00 PM  | 0.6 | 0.5 | -0.8 | -0.5 | 0.0  |
| 9/27/2020 1:06 PM  | 0.6 | 0.5 | -0.8 | -0.5 | 0.0  |
| 9/27/2020 1:12 PM  | 0.6 | 0.5 | -0.8 | 7.9  | -0.1 |
| 9/27/2020 1:18 PM  | 0.6 | 0.6 | -0.8 | 13.2 | 0.5  |
| 9/27/2020 1:24 PM  | 0.5 | 0.6 | -0.8 | 4.7  | 6.5  |
| 9/27/2020 1:30 PM  | 0.5 | 0.6 | -0.8 | 1.1  | 3.2  |
| 9/27/2020 1:36 PM  | 0.5 | 0.6 | -0.8 | 0.5  | 0.4  |
| 9/27/2020 1:42 PM  | 0.5 | 0.5 | -0.7 | 0.3  | 0.1  |
| 9/27/2020 1:48 PM  | 0.5 | 0.5 | -0.5 | 0.1  | 0.0  |
| 9/27/2020 1:54 PM  | 0.5 | 0.5 | -0.5 | 0.0  | 0.0  |
| 9/27/2020 2:00 PM  | 0.5 | 0.5 | -0.6 | -0.1 | 0.0  |
| 9/27/2020 2:06 PM  | 0.5 | 0.6 | -0.6 | -0.1 | 0.0  |
| 9/27/2020 2:12 PM  | 0.5 | 0.6 | -0.7 | -0.2 | 0.0  |
| 9/27/2020 2:18 PM  | 0.5 | 0.7 | -0.7 | -0.3 | 0.0  |
| 9/27/2020 2:24 PM  | 0.5 | 0.7 | -0.8 | -0.3 | 0.0  |
| 9/27/2020 2:30 PM  | 0.4 | 0.7 | -0.8 | -0.3 | 0.0  |
| 9/27/2020 2:36 PM  | 0.4 | 0.7 | -0.8 | -0.3 | -0.1 |
| 9/27/2020 2:42 PM  | 0.5 | 0.6 | -0.8 | -0.3 | 0.0  |
| 9/27/2020 2:48 PM  | 0.5 | 0.7 | -0.8 | -0.3 | 0.0  |
| 9/27/2020 2:54 PM  | 0.5 | 0.7 | -0.8 | -0.3 | 0.0  |
| 9/27/2020 3:00 PM  | 0.4 | 0.7 | -0.7 | -0.4 | -0.1 |
| 9/27/2020 3:06 PM  | 0.5 | 0.6 | -0.7 | -0.4 | -0.1 |
| 9/27/2020 3:12 PM  | 0.5 | 0.6 | -0.6 | -0.4 | 0.0  |
| 9/27/2020 3:18 PM  | 0.5 | 0.6 | -0.5 | -0.4 | 0.0  |
| 9/27/2020 3:24 PM  | 0.5 | 0.6 | -0.5 | -0.4 | 0.0  |
| 9/27/2020 3:30 PM  | 0.5 | 0.6 | -0.6 | -0.4 | 0.0  |
| 9/27/2020 3:36 PM  | 0.5 | 0.6 | -0.7 | -0.4 | 0.0  |
| 9/27/2020 3:42 PM  | 0.5 | 0.6 | -0.8 | -0.4 | 0.0  |
| 9/27/2020 3:48 PM  | 0.5 | 0.6 | -0.8 | -0.4 | -0.1 |
| 9/27/2020 3:54 PM  | 0.5 | 0.6 | -0.8 | -0.5 | -0.1 |
| 9/27/2020 4:00 PM  | 0.5 | 0.6 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 4:06 PM  | 0.5 | 0.6 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 4:12 PM  | 0.5 | 0.6 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 4:18 PM  | 0.5 | 0.6 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 4:24 PM  | 0.4 | 0.6 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 4:30 PM  | 0.4 | 0.6 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 4:36 PM  | 0.5 | 0.5 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 4:42 PM  | 0.5 | 0.5 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 4:48 PM  | 0.4 | 0.5 | -0.9 | -0.4 | 0.0  |

|                   |     |     |      |      |      |
|-------------------|-----|-----|------|------|------|
| 9/27/2020 4:54 PM | 0.4 | 0.5 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 5:00 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 5:06 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 5:12 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 5:18 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 5:24 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 5:30 PM | 0.4 | 0.4 | -1.0 | -0.4 | 0.0  |
| 9/27/2020 5:36 PM | 0.4 | 0.4 | -1.0 | -0.4 | -0.1 |
| 9/27/2020 5:42 PM | 0.4 | 0.4 | -1.0 | -0.4 | -0.1 |
| 9/27/2020 5:48 PM | 0.4 | 0.4 | -1.0 | -0.4 | -0.1 |
| 9/27/2020 5:54 PM | 0.4 | 0.4 | -1.0 | -0.4 | -0.1 |
| 9/27/2020 6:00 PM | 0.4 | 0.4 | -1.0 | -0.4 | -0.1 |
| 9/27/2020 6:06 PM | 0.4 | 0.4 | -1.0 | -0.4 | -0.1 |
| 9/27/2020 6:12 PM | 0.4 | 0.4 | -1.0 | -0.4 | -0.1 |
| 9/27/2020 6:18 PM | 0.4 | 0.4 | -1.0 | -0.4 | -0.1 |
| 9/27/2020 6:24 PM | 0.4 | 0.4 | -1.0 | -0.4 | 0.0  |
| 9/27/2020 6:30 PM | 0.4 | 0.4 | -1.0 | -0.4 | 0.0  |
| 9/27/2020 6:36 PM | 0.4 | 0.4 | -1.0 | -0.4 | 0.0  |
| 9/27/2020 6:42 PM | 0.4 | 0.5 | -1.0 | -0.4 | -0.1 |
| 9/27/2020 6:48 PM | 0.3 | 0.5 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 6:54 PM | 0.3 | 0.5 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 7:00 PM | 0.3 | 0.4 | -0.9 | -0.5 | -0.1 |
| 9/27/2020 7:06 PM | 0.3 | 0.4 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 7:12 PM | 0.3 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 7:18 PM | 0.3 | 0.4 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 7:24 PM | 0.3 | 0.4 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 7:30 PM | 0.3 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 7:36 PM | 0.3 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 7:42 PM | 0.3 | 0.4 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 7:48 PM | 0.3 | 0.4 | -0.9 | -0.4 | -0.1 |
| 9/27/2020 7:54 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 8:00 PM | 0.3 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 8:06 PM | 0.3 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 8:12 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 8:18 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 8:24 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 8:30 PM | 0.4 | 0.5 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 8:36 PM | 0.4 | 0.5 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 8:42 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 8:48 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 8:54 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 9:00 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 9:06 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 9:12 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 9:18 PM | 0.3 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 9:24 PM | 0.4 | 0.4 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 9:30 PM | 0.4 | 0.5 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 9:36 PM | 0.3 | 0.5 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 9:42 PM | 0.4 | 0.5 | -0.9 | -0.4 | 0.0  |
| 9/27/2020 9:48 PM | 0.3 | 0.5 | -0.9 | -0.4 | 0.0  |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/27/2020 9:54 PM  | 0.3  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 10:00 PM | 0.3  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 10:06 PM | 0.4  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 10:12 PM | 0.4  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 10:18 PM | 0.4  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 10:24 PM | 0.4  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 10:30 PM | 0.4  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 10:36 PM | 0.4  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 10:42 PM | 0.3  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 10:48 PM | 0.3  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 10:54 PM | 0.3  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 11:00 PM | 0.3  | 0.4 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 11:06 PM | 0.3  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 11:12 PM | 0.3  | 0.5 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 11:18 PM | 0.3  | 0.4 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 11:24 PM | 0.3  | 0.4 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 11:30 PM | 0.3  | 0.4 | -0.9 | -0.4 | 0.0 |
| 9/27/2020 11:36 PM | 0.3  | 0.4 | -0.9 | -0.4 | 0.1 |
| 9/27/2020 11:42 PM | 0.3  | 0.5 | -0.9 | -0.4 | 0.1 |
| 9/27/2020 11:48 PM | 0.4  | 0.5 | -0.9 | -0.4 | 0.1 |
| 9/27/2020 11:54 PM | 0.4  | 0.5 | -0.9 | -0.4 | 0.1 |
| 9/28/2020 12:00 AM | 0.4  | 0.6 | -0.9 | -0.4 | 0.1 |
| 9/28/2020 12:06 AM | 0.4  | 0.6 | -0.9 | -0.4 | 0.1 |
| 9/28/2020 12:12 AM | 0.4  | 0.6 | -0.9 | -0.4 | 0.1 |
| 9/28/2020 12:18 AM | 0.4  | 0.6 | -0.9 | -0.4 | 0.1 |
| 9/28/2020 12:24 AM | 0.4  | 0.6 | -1.0 | -0.4 | 0.1 |
| 9/28/2020 12:30 AM | 0.4  | 0.5 | -1.0 | -0.4 | 0.1 |
| 9/28/2020 12:36 AM | 0.4  | 0.5 | -1.0 | -0.4 | 0.1 |
| 9/28/2020 12:42 AM | 0.4  | 0.5 | -1.0 | -0.4 | 0.1 |
| 9/28/2020 12:48 AM | 0.4  | 0.5 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 12:54 AM | 0.4  | 0.5 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 1:00 AM  | 0.3  | 1.1 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 1:06 AM  | 0.0  | 1.5 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 1:12 AM  | -0.3 | 1.0 | -1.0 | -0.4 | 0.1 |
| 9/28/2020 1:18 AM  | -0.4 | 1.0 | -1.0 | -0.4 | 0.1 |
| 9/28/2020 1:24 AM  | -0.4 | 0.9 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 1:30 AM  | -0.4 | 0.8 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 1:36 AM  | -0.4 | 0.8 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 1:42 AM  | -0.5 | 0.8 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 1:48 AM  | -0.5 | 0.8 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 1:54 AM  | -0.4 | 0.9 | -1.0 | -0.4 | 0.1 |
| 9/28/2020 2:00 AM  | -0.4 | 0.9 | -1.0 | -0.4 | 0.1 |
| 9/28/2020 2:06 AM  | -0.4 | 0.9 | -1.0 | -0.4 | 0.1 |
| 9/28/2020 2:12 AM  | -0.4 | 0.9 | -1.0 | -0.4 | 0.1 |
| 9/28/2020 2:18 AM  | -0.4 | 0.9 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 2:24 AM  | -0.4 | 0.9 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 2:30 AM  | -0.4 | 1.0 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 2:36 AM  | -0.4 | 1.0 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 2:42 AM  | -0.4 | 1.0 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 2:48 AM  | -0.4 | 1.0 | -1.0 | -0.5 | 0.1 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 9/28/2020 2:54 AM | -0.4 | 1.0 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 3:00 AM | -0.4 | 1.0 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 3:06 AM | -0.4 | 1.0 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 3:12 AM | -0.3 | 1.0 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 3:18 AM | -0.4 | 0.9 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 3:24 AM | -0.4 | 0.9 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 3:30 AM | -0.4 | 0.9 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 3:36 AM | -0.3 | 1.0 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 3:42 AM | -0.3 | 0.9 | -1.0 | -0.5 | 0.1 |
| 9/28/2020 3:48 AM | -0.3 | 1.0 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 3:54 AM | -0.4 | 1.2 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 4:00 AM | -0.4 | 1.2 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 4:06 AM | -0.4 | 1.1 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 4:12 AM | -0.4 | 1.1 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 4:18 AM | -0.4 | 1.1 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 4:24 AM | -0.4 | 1.1 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 4:30 AM | -0.4 | 1.1 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 4:36 AM | -0.4 | 1.1 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 4:42 AM | -0.4 | 1.0 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 4:48 AM | -0.4 | 1.1 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 4:54 AM | -0.4 | 1.3 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 5:00 AM | -0.4 | 1.4 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 5:06 AM | -0.4 | 1.3 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 5:12 AM | -0.4 | 1.3 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 5:18 AM | -0.4 | 1.2 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 5:24 AM | -0.4 | 1.2 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 5:30 AM | -0.4 | 1.2 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 5:36 AM | -0.4 | 1.1 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 5:42 AM | -0.4 | 1.1 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 5:48 AM | -0.4 | 1.2 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 5:54 AM | -0.4 | 1.2 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 6:00 AM | -0.4 | 1.2 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 6:06 AM | -0.4 | 1.2 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 6:12 AM | -0.4 | 1.2 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 6:18 AM | -0.4 | 1.2 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 6:24 AM | -0.4 | 1.2 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 6:30 AM | -0.4 | 1.2 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 6:36 AM | -0.4 | 1.1 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 6:42 AM | -0.4 | 1.1 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 6:48 AM | -0.4 | 1.1 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 6:54 AM | -0.4 | 1.1 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 7:00 AM | -0.4 | 1.1 | -0.9 | -0.5 | 0.0 |
| 9/28/2020 7:06 AM | -0.3 | 1.0 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 7:12 AM | -0.4 | 1.1 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 7:18 AM | -0.4 | 1.1 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 7:24 AM | -0.4 | 1.0 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 7:30 AM | -0.4 | 1.0 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 7:36 AM | -0.4 | 1.0 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 7:42 AM | -0.4 | 1.0 | -1.0 | -0.5 | 0.0 |
| 9/28/2020 7:48 AM | 4.0  | 0.9 | -1.0 | -0.5 | 0.0 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 9/28/2020 7:54 AM  | 2.1  | 0.7  | -1.0 | -0.5 | 0.0  |
| 9/28/2020 8:00 AM  | 1.0  | 0.9  | -1.0 | -0.5 | 0.0  |
| 9/28/2020 8:06 AM  | 0.4  | 1.2  | -1.0 | -0.5 | 0.0  |
| 9/28/2020 8:12 AM  | 0.0  | 1.1  | -1.0 | -0.5 | 0.0  |
| 9/28/2020 8:18 AM  | -0.3 | 1.2  | -1.0 | -0.5 | 0.0  |
| 9/28/2020 8:24 AM  | -0.3 | 1.4  | -1.0 | -0.5 | 0.0  |
| 9/28/2020 8:30 AM  | -0.4 | 0.9  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 8:36 AM  | -0.4 | 0.4  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 8:42 AM  | -0.4 | 0.4  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 8:48 AM  | -0.4 | 0.4  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 8:54 AM  | -0.4 | 0.4  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 9:00 AM  | -0.4 | 0.3  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 9:06 AM  | -0.4 | 0.4  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 9:12 AM  | -0.3 | 0.5  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 9:18 AM  | -0.3 | 0.5  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 9:24 AM  | -0.4 | 0.5  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 9:30 AM  | -0.4 | 0.6  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 9:36 AM  | -0.4 | 0.6  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 9:42 AM  | -0.4 | 0.7  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 9:48 AM  | -0.4 | 0.7  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 9:54 AM  | -0.4 | 0.7  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 10:00 AM | -0.3 | 0.8  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 10:06 AM | -0.4 | 0.4  | -1.1 | -0.5 | 0.0  |
| 9/28/2020 10:12 AM | -0.4 | -0.4 | -1.1 | -0.5 | 0.0  |
| 9/28/2020 10:18 AM | -0.4 | -0.7 | -1.1 | -0.5 | 0.0  |
| 9/28/2020 10:24 AM | -0.3 | -0.7 | -1.1 | -0.5 | 0.0  |
| 9/28/2020 10:30 AM | -0.3 | -0.7 | -1.1 | -0.5 | 0.0  |
| 9/28/2020 10:36 AM | -0.4 | -0.7 | -1.1 | -0.5 | 0.0  |
| 9/28/2020 10:42 AM | -0.4 | -0.8 | -1.1 | -0.5 | 0.0  |
| 9/28/2020 10:48 AM | -0.4 | -0.8 | -1.1 | -0.5 | 0.0  |
| 9/28/2020 10:54 AM | -0.4 | -0.8 | -1.0 | -0.5 | 0.0  |
| 9/28/2020 11:00 AM | -0.3 | -0.8 | -1.1 | -0.5 | 0.0  |
| 9/28/2020 11:06 AM | -0.3 | -0.8 | -1.0 | -0.5 | 0.0  |
| 9/28/2020 11:12 AM | -0.3 | -0.8 | -1.0 | -0.5 | 0.0  |
| 9/28/2020 11:18 AM | -0.3 | -0.8 | -1.0 | -0.5 | 0.0  |
| 9/28/2020 11:24 AM | -0.3 | -0.8 | -1.0 | -0.5 | 0.0  |
| 9/28/2020 11:30 AM | -0.4 | -0.8 | -1.0 | -0.5 | 0.0  |
| 9/28/2020 11:36 AM | -0.3 | -0.7 | -1.0 | -0.5 | 0.0  |
| 9/28/2020 11:42 AM | -0.3 | -0.7 | -0.9 | -0.5 | 0.0  |
| 9/28/2020 11:48 AM | -0.3 | -0.7 | -0.9 | -0.5 | 0.0  |
| 9/28/2020 11:54 AM | -0.3 | -0.7 | -0.9 | -0.5 | 0.0  |
| 9/28/2020 12:00 PM | -0.3 | -0.7 | -0.9 | -0.5 | 0.0  |
| 9/28/2020 12:06 PM | -0.3 | -0.9 | -0.9 | -0.6 | -0.1 |
| 9/28/2020 12:12 PM | -0.3 | -0.9 | -0.9 | -0.6 | -0.1 |
| 9/28/2020 12:18 PM | -0.3 | -0.9 | -0.9 | -0.6 | -0.1 |
| 9/28/2020 12:24 PM | -0.3 | -0.8 | -0.9 | -0.6 | -0.1 |
| 9/28/2020 12:30 PM | -0.3 | -0.8 | -0.9 | -0.6 | -0.1 |
| 9/28/2020 12:36 PM | -0.3 | -0.8 | -0.9 | -0.6 | -0.1 |
| 9/28/2020 12:42 PM | -0.3 | -0.8 | -0.9 | -0.6 | -0.1 |
| 9/28/2020 12:48 PM | -0.3 | -0.8 | -0.9 | -0.6 | -0.1 |

|                    |          |          |          |          |          |
|--------------------|----------|----------|----------|----------|----------|
| 9/28/2020 12:54 PM | -0.3     | -0.8     | -0.9     | -0.6     | -0.1     |
| 9/28/2020 1:00 PM  | -0.3     | -0.9     | -0.9     | -0.6     | -0.1     |
| 9/28/2020 1:06 PM  | -0.3     | -0.9     | -0.9     | -0.6     | -0.1     |
| 9/28/2020 1:12 PM  | -0.3     | -0.8     | -0.9     | -0.6     | -0.1     |
| 9/28/2020 1:18 PM  | -0.3     | -0.9     | -0.8     | -0.6     | -0.1     |
| 9/28/2020 1:24 PM  | -0.3     | -0.9     | -0.8     | -0.6     | -0.1     |
| 9/28/2020 1:30 PM  | -0.3     | -0.8     | -0.7     | -0.6     | -0.1     |
| 9/28/2020 1:36 PM  | -0.3     | -0.8     | -0.6     | -0.6     | -0.1     |
| 9/28/2020 1:42 PM  | -0.3     | -0.8     | -0.6     | -0.6     | -0.1     |
| 9/28/2020 1:48 PM  | -0.3     | -0.8     | -0.5     | -0.6     | -0.1     |
| 9/28/2020 1:54 PM  | -0.3     | -0.9     | -0.5     | -0.6     | -0.1     |
| 9/28/2020 2:00 PM  | -0.3     | -0.9     | -0.6     | -0.6     | -0.1     |
| 9/28/2020 2:06 PM  | -0.3     | -0.8     | -0.6     | -0.6     | -0.1     |
| 9/28/2020 2:12 PM  | -0.3     | -0.8     | -0.7     | -0.6     | -0.1     |
| 9/28/2020 2:18 PM  | -0.3     | 8.2      | -0.8     | -0.6     | -0.1     |
| 9/28/2020 2:24 PM  | -0.3     | 10.5     | -0.9     | -0.6     | -0.1     |
| 9/28/2020 2:30 PM  | -0.3     | 2.2      | -1.0     | -0.6     | -0.1     |
| 9/28/2020 2:36 PM  | -0.3     | 1.2      | -1.1     | -0.6     | -0.1     |
| 9/28/2020 2:42 PM  | -0.2     | 0.9      | -1.1     | -0.6     | -0.1     |
| 9/28/2020 2:48 PM  | -0.2     | 0.8      | -1.1     | -0.6     | -0.1     |
| 9/28/2020 2:54 PM  | -0.3     | 0.7      | -1.1     | -0.6     | -0.1     |
| 9/28/2020 3:00 PM  | -0.3     | 0.6      | -1.1     | -0.6     | -0.1     |
| 9/28/2020 3:06 PM  | -0.3     | 0.7      | -1.1     | -0.6     | -0.1     |
| 9/28/2020 3:12 PM  | -0.3     | 0.7      | -1.1     | -0.6     | -0.1     |
| 9/28/2020 3:18 PM  | -0.3     | 0.6      | -1.1     | -0.6     | -0.1     |
| 9/28/2020 3:24 PM  | -0.3     | 0.6      | -1.1     | -0.6     | -0.1     |
| 9/28/2020 3:30 PM  | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 |
| 9/28/2020 3:36 PM  | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 |
| 9/28/2020 3:42 PM  | -0.2     | 0.7      | -0.8     | -0.4     | -0.1     |
| 9/28/2020 3:48 PM  | -0.3     | 0.7      | -0.8     | -0.4     | -0.1     |
| 9/28/2020 3:54 PM  | -0.3     | 0.7      | -0.9     | -0.4     | -0.1     |
| 9/28/2020 4:00 PM  | -0.3     | 0.7      | -0.9     | -0.4     | -0.1     |
| 9/28/2020 4:06 PM  | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 |
| 9/28/2020 4:12 PM  | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 | OK_RS232 |
| 9/28/2020 4:18 PM  | -0.3     | 5.0      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 4:24 PM  | -0.3     | 2.1      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 4:30 PM  | -0.3     | 0.7      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 4:36 PM  | -0.3     | 0.7      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 4:42 PM  | -0.3     | 0.6      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 4:48 PM  | -0.3     | 0.5      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 4:54 PM  | -0.3     | 0.6      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 5:00 PM  | -0.3     | 0.5      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 5:06 PM  | -0.3     | 0.6      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 5:12 PM  | -0.3     | 0.6      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 5:18 PM  | -0.3     | 0.7      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 5:24 PM  | -0.3     | 0.7      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 5:30 PM  | -0.3     | 0.7      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 5:36 PM  | -0.3     | 0.7      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 5:42 PM  | -0.3     | 0.7      | -1.0     | -0.4     | -0.1     |
| 9/28/2020 5:48 PM  | -0.3     | 0.8      | -1.0     | -0.4     | -0.1     |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 9/28/2020 5:54 PM  | -0.3 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 6:00 PM  | -0.3 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 6:06 PM  | -0.3 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 6:12 PM  | -0.4 | 0.8  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 6:18 PM  | -0.4 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 6:24 PM  | -0.3 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 6:30 PM  | -0.4 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 6:36 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 6:42 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 6:48 PM  | -0.4 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 6:54 PM  | -0.4 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 7:00 PM  | -0.4 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 7:06 PM  | -0.4 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 7:12 PM  | -0.4 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 7:18 PM  | -0.4 | 0.7  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 7:24 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 7:30 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 7:36 PM  | -0.4 | 0.5  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 7:42 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 7:48 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 7:54 PM  | -0.4 | 0.5  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 8:00 PM  | -0.4 | 0.5  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 8:06 PM  | -0.4 | 0.5  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 8:12 PM  | -0.4 | 0.5  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 8:18 PM  | -0.4 | 0.5  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 8:24 PM  | -0.4 | 0.5  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 8:30 PM  | -0.4 | 0.5  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 8:36 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 8:42 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 8:48 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 8:54 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 9:00 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 9:06 PM  | -0.4 | 0.6  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 9:12 PM  | -0.4 | 0.5  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 9:18 PM  | -0.4 | 0.4  | -1.0 | -0.4 | -0.1 |
| 9/28/2020 9:24 PM  | -0.4 | -0.1 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 9:30 PM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 9:36 PM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 9:42 PM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 9:48 PM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 9:54 PM  | -0.4 | -0.9 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 10:00 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 10:06 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 10:12 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 10:18 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 10:24 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 10:30 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 10:36 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 10:42 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 10:48 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |

|                    |      |      |      |      |      |
|--------------------|------|------|------|------|------|
| 9/28/2020 10:54 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 11:00 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 11:06 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 11:12 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 11:18 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 11:24 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 11:30 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 11:36 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 11:42 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 11:48 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/28/2020 11:54 PM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 12:00 AM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 12:06 AM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 12:12 AM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 12:18 AM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 12:24 AM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 12:30 AM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 12:36 AM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 12:42 AM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 12:48 AM | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 12:54 AM | -0.4 | -0.8 | -1.0 | -0.5 | -0.1 |
| 9/29/2020 1:00 AM  | -0.4 | -0.8 | -1.0 | -0.5 | -0.1 |
| 9/29/2020 1:06 AM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 1:12 AM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 1:18 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 1:24 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 1:30 AM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 1:36 AM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 1:42 AM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 1:48 AM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 1:54 AM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 2:00 AM  | -0.4 | -0.8 | -1.0 | -0.5 | -0.1 |
| 9/29/2020 2:06 AM  | -0.4 | -0.8 | -1.0 | -0.5 | -0.1 |
| 9/29/2020 2:12 AM  | -0.4 | -0.8 | -1.0 | -0.5 | -0.1 |
| 9/29/2020 2:18 AM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 2:24 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 2:30 AM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 2:36 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 2:42 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 2:48 AM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 2:54 AM  | -0.4 | -0.8 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 3:00 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 3:06 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 3:12 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 3:18 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 3:24 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 3:30 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 3:36 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 3:42 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 3:48 AM  | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |



|                   |      |      |      |      |      |
|-------------------|------|------|------|------|------|
| 9/29/2020 3:54 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 4:00 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 4:06 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 4:12 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 4:18 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 4:24 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 4:30 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 4:36 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 4:42 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 4:48 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 4:54 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 5:00 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 5:06 AM | -0.4 | -0.7 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 5:12 AM | -0.4 | -0.7 | -1.0 | -0.4 | 0.0  |
| 9/29/2020 5:18 AM | 32.2 | -0.7 | -1.0 | -0.4 | 0.0  |
| 9/29/2020 5:24 AM | 45.6 | -0.7 | -1.0 | 11.1 | 10.0 |
| 9/29/2020 5:30 AM | 26.0 | -0.7 | -1.0 | 10.7 | 14.2 |
| 9/29/2020 5:36 AM | 29.4 | -0.7 | -1.0 | 2.0  | 2.8  |
| 9/29/2020 5:42 AM | 38.1 | -0.6 | -1.0 | 0.9  | 0.4  |
| 9/29/2020 5:48 AM | 30.1 | -0.6 | -1.0 | 0.5  | 0.3  |
| 9/29/2020 5:54 AM | 19.3 | -0.6 | -1.0 | 0.3  | 0.1  |
| 9/29/2020 6:00 AM | 10.2 | -0.6 | -1.0 | 0.1  | 0.1  |
| 9/29/2020 6:06 AM | 5.0  | -0.6 | -1.0 | 0.0  | 0.0  |
| 9/29/2020 6:12 AM | 2.1  | -0.6 | -1.0 | 0.0  | 0.0  |
| 9/29/2020 6:18 AM | 0.7  | -0.6 | -1.0 | -0.1 | 0.0  |
| 9/29/2020 6:24 AM | 0.2  | -0.6 | -1.0 | -0.1 | 0.0  |
| 9/29/2020 6:30 AM | -0.1 | -0.6 | -1.0 | -0.2 | 0.0  |
| 9/29/2020 6:36 AM | -0.2 | -0.7 | -1.0 | -0.2 | 0.0  |
| 9/29/2020 6:42 AM | -0.3 | -0.7 | -1.0 | -0.3 | -0.1 |
| 9/29/2020 6:48 AM | -0.3 | -0.6 | -1.0 | -0.3 | -0.1 |
| 9/29/2020 6:54 AM | -0.3 | -0.6 | -1.0 | -0.3 | -0.1 |
| 9/29/2020 7:00 AM | -0.3 | -0.6 | -1.0 | -0.3 | -0.1 |
| 9/29/2020 7:06 AM | -0.3 | -0.7 | -1.0 | -0.3 | -0.1 |
| 9/29/2020 7:12 AM | -0.3 | -0.6 | -1.0 | -0.3 | -0.1 |
| 9/29/2020 7:18 AM | -0.3 | -0.6 | -1.0 | -0.3 | -0.1 |
| 9/29/2020 7:24 AM | -0.3 | -0.6 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 7:30 AM | -0.3 | -0.6 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 7:36 AM | -0.3 | -0.6 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 7:42 AM | -0.3 | -0.6 | -1.0 | -0.4 | -0.1 |
| 9/29/2020 7:48 AM | -0.3 | -0.6 | -1.1 | -0.4 | -0.1 |
| 9/29/2020 7:54 AM | -0.3 | -0.6 | -1.1 | -0.4 | -0.1 |
| 9/29/2020 8:00 AM | -0.3 | -0.6 | -1.1 | -0.5 | -0.1 |
| 9/29/2020 8:06 AM | -0.3 | -0.6 | -1.1 | -0.5 | -0.1 |
| 9/29/2020 8:12 AM | -0.3 | 5.7  | -1.1 | -0.5 | -0.1 |
| 9/29/2020 8:18 AM | -0.3 | 11.5 | -1.1 | -0.5 | -0.1 |
| 9/29/2020 8:24 AM | -0.3 | 5.9  | -1.1 | -0.5 | -0.1 |
| 9/29/2020 8:30 AM | -0.3 | 3.8  | -1.1 | -0.5 | -0.1 |
| 9/29/2020 8:36 AM | -0.3 | 2.9  | -1.1 | -0.5 | 13.9 |
| 9/29/2020 8:42 AM | -0.3 | 2.3  | -1.1 | -0.5 | 22.9 |
| 9/29/2020 8:48 AM | -0.3 | 2.3  | -1.1 | -0.5 | 12.7 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/29/2020 8:54 AM  | -0.3 | 2.3 | -1.1 | -0.5 | 8.3 |
| 9/29/2020 9:00 AM  | -0.3 | 2.3 | -1.1 | -0.5 | 6.5 |
| 9/29/2020 9:06 AM  | -0.3 | 2.4 | -1.1 | -0.5 | 6.4 |
| 9/29/2020 9:12 AM  | -0.3 | 2.3 | -1.1 | -0.5 | 6.5 |
| 9/29/2020 9:18 AM  | -0.3 | 2.1 | -1.1 | -0.5 | 6.5 |
| 9/29/2020 9:24 AM  | -0.3 | 1.7 | -1.1 | -0.5 | 6.0 |
| 9/29/2020 9:30 AM  | -0.3 | 1.4 | -1.1 | -0.5 | 5.3 |
| 9/29/2020 9:36 AM  | -0.3 | 1.2 | -1.1 | -0.5 | 4.7 |
| 9/29/2020 9:42 AM  | -0.3 | 1.1 | -1.1 | -0.5 | 4.4 |
| 9/29/2020 9:48 AM  | -0.3 | 0.9 | -1.1 | -0.5 | 3.9 |
| 9/29/2020 9:54 AM  | -0.3 | 0.8 | -1.1 | -0.5 | 3.5 |
| 9/29/2020 10:00 AM | -0.3 | 0.8 | -1.1 | -0.5 | 3.3 |
| 9/29/2020 10:06 AM | -0.3 | 0.8 | -1.1 | -0.5 | 3.0 |
| 9/29/2020 10:12 AM | -0.3 | 0.7 | -1.1 | -0.5 | 3.0 |
| 9/29/2020 10:18 AM | -0.3 | 0.7 | -1.1 | -0.5 | 3.1 |
| 9/29/2020 10:24 AM | -0.3 | 0.7 | -1.1 | -0.5 | 3.0 |
| 9/29/2020 10:30 AM | -0.3 | 0.7 | -1.1 | -0.5 | 2.9 |
| 9/29/2020 10:36 AM | -0.2 | 0.6 | -1.1 | -0.4 | 2.8 |
| 9/29/2020 10:42 AM | -0.2 | 0.6 | -1.1 | -0.4 | 2.8 |
| 9/29/2020 10:48 AM | -0.2 | 0.6 | -1.1 | -0.4 | 2.8 |
| 9/29/2020 10:54 AM | -0.2 | 0.6 | -1.1 | -0.4 | 2.8 |
| 9/29/2020 11:00 AM | -0.2 | 0.4 | -1.1 | -0.4 | 2.8 |
| 9/29/2020 11:06 AM | -0.2 | 0.4 | -1.1 | -0.4 | 2.8 |
| 9/29/2020 11:12 AM | -0.2 | 0.4 | -1.1 | -0.4 | 2.7 |
| 9/29/2020 11:18 AM | -0.2 | 0.4 | -1.1 | -0.4 | 2.8 |
| 9/29/2020 11:24 AM | -0.3 | 0.4 | -1.1 | -0.4 | 2.8 |
| 9/29/2020 11:30 AM | -0.3 | 0.4 | -1.1 | -0.4 | 2.8 |
| 9/29/2020 11:36 AM | -0.3 | 0.4 | -1.1 | -0.4 | 2.7 |
| 9/29/2020 11:42 AM | -0.3 | 0.4 | -1.1 | -0.4 | 2.7 |
| 9/29/2020 11:48 AM | -0.3 | 0.4 | -1.1 | -0.4 | 2.8 |
| 9/29/2020 11:54 AM | -0.3 | 0.4 | -1.1 | -0.4 | 2.8 |
| 9/29/2020 12:00 PM | -0.6 | 0.4 | -1.2 | -0.5 | 2.8 |
| 9/29/2020 12:06 PM | -1.5 | 0.2 | -1.3 | -0.8 | 2.6 |
| 9/29/2020 12:12 PM | -1.5 | 0.2 | -1.3 | -0.8 | 2.7 |
| 9/29/2020 12:18 PM | -1.5 | 0.2 | -1.3 | -0.8 | 2.7 |
| 9/29/2020 12:24 PM | -1.5 | 0.2 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 12:30 PM | -1.5 | 0.2 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 12:36 PM | -1.5 | 0.2 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 12:42 PM | -1.5 | 0.1 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 12:48 PM | -1.5 | 0.1 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 12:54 PM | -1.5 | 0.1 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 1:00 PM  | -1.5 | 0.2 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 1:06 PM  | -1.5 | 0.2 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 1:12 PM  | -1.5 | 0.2 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 1:18 PM  | -1.4 | 0.2 | -1.2 | -0.8 | 2.6 |
| 9/29/2020 1:24 PM  | -1.4 | 0.2 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 1:30 PM  | -1.4 | 0.1 | -1.2 | -0.7 | 2.7 |
| 9/29/2020 1:36 PM  | -1.4 | 0.1 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 1:42 PM  | -1.5 | 0.1 | -1.2 | -0.8 | 2.8 |
| 9/29/2020 1:48 PM  | -1.5 | 0.1 | -1.2 | -0.8 | 2.7 |

|                   |      |     |      |      |     |
|-------------------|------|-----|------|------|-----|
| 9/29/2020 1:54 PM | -1.5 | 0.1 | -1.2 | -0.8 | 2.7 |
| 9/29/2020 2:00 PM | -1.5 | 0.2 | -1.2 | -0.8 | 2.6 |
| 9/29/2020 2:06 PM | -1.5 | 0.2 | -1.1 | -0.8 | 2.6 |
| 9/29/2020 2:12 PM | -1.5 | 0.2 | -1.1 | -0.8 | 2.7 |
| 9/29/2020 2:18 PM | -1.5 | 0.2 | -1.1 | -0.8 | 2.6 |
| 9/29/2020 2:24 PM | -1.5 | 0.2 | -1.1 | -0.8 | 2.5 |
| 9/29/2020 2:30 PM | -1.5 | 0.2 | -1.1 | -0.8 | 2.5 |
| 9/29/2020 2:36 PM | -1.5 | 0.2 | -1.1 | -0.8 | 2.5 |
| 9/29/2020 2:42 PM | -1.4 | 0.2 | -1.1 | -0.8 | 2.5 |
| 9/29/2020 2:48 PM | -1.4 | 0.2 | -1.1 | -0.8 | 2.5 |
| 9/29/2020 2:54 PM | -1.4 | 0.1 | -1.1 | -0.8 | 2.4 |
| 9/29/2020 3:00 PM | -1.4 | 0.1 | -1.1 | -0.7 | 2.5 |
| 9/29/2020 3:06 PM | -1.4 | 0.1 | -1.1 | -0.7 | 2.5 |
| 9/29/2020 3:12 PM | -1.4 | 0.1 | -1.1 | -0.7 | 2.5 |
| 9/29/2020 3:18 PM | -1.4 | 0.2 | -1.1 | -0.7 | 2.5 |
| 9/29/2020 3:24 PM | -1.4 | 0.1 | -1.1 | -0.7 | 2.5 |
| 9/29/2020 3:30 PM | -1.4 | 0.1 | -1.1 | -0.7 | 2.5 |
| 9/29/2020 3:36 PM | -1.4 | 0.2 | -1.1 | -0.7 | 2.6 |
| 9/29/2020 3:42 PM | -1.4 | 0.2 | -1.1 | -0.7 | 2.6 |
| 9/29/2020 3:48 PM | -1.4 | 0.2 | -1.1 | -0.8 | 2.6 |
| 9/29/2020 3:54 PM | -1.4 | 0.2 | -1.1 | -0.8 | 2.5 |
| 9/29/2020 4:00 PM | -1.4 | 0.1 | -1.1 | -0.8 | 2.5 |
| 9/29/2020 4:06 PM | -1.5 | 0.1 | -1.1 | -0.8 | 2.5 |
| 9/29/2020 4:12 PM | -1.4 | 0.1 | -1.1 | -0.8 | 2.6 |
| 9/29/2020 4:18 PM | -1.5 | 0.1 | -1.1 | -0.8 | 2.6 |
| 9/29/2020 4:24 PM | -1.4 | 0.1 | -1.1 | -0.8 | 2.6 |
| 9/29/2020 4:30 PM | -1.4 | 0.1 | -1.1 | -0.8 | 2.5 |
| 9/29/2020 4:36 PM | -1.4 | 0.1 | -1.1 | -0.8 | 2.6 |
| 9/29/2020 4:42 PM | -1.5 | 0.1 | -1.1 | -0.8 | 2.7 |
| 9/29/2020 4:48 PM | -1.5 | 0.1 | -1.0 | -0.8 | 2.8 |
| 9/29/2020 4:54 PM | -1.5 | 0.1 | -1.0 | -0.8 | 2.8 |
| 9/29/2020 5:00 PM | -1.5 | 0.1 | -1.0 | -0.8 | 2.7 |
| 9/29/2020 5:06 PM | -1.5 | 0.1 | -1.0 | -0.8 | 2.7 |
| 9/29/2020 5:12 PM | -1.5 | 0.2 | -1.0 | -0.8 | 2.7 |
| 9/29/2020 5:18 PM | -1.5 | 0.2 | -1.0 | -0.8 | 2.8 |
| 9/29/2020 5:24 PM | -1.5 | 0.2 | -1.0 | -0.8 | 2.8 |
| 9/29/2020 5:30 PM | -1.5 | 0.2 | -1.0 | -0.8 | 2.7 |
| 9/29/2020 5:36 PM | -1.5 | 0.1 | -1.0 | -0.8 | 2.7 |
| 9/29/2020 5:42 PM | -1.5 | 0.1 | -1.0 | -0.8 | 2.6 |
| 9/29/2020 5:48 PM | -1.4 | 0.1 | -1.0 | -0.8 | 2.6 |
| 9/29/2020 5:54 PM | -1.4 | 0.1 | -1.0 | -0.7 | 2.6 |
| 9/29/2020 6:00 PM | -1.4 | 0.1 | -1.0 | -0.8 | 2.7 |
| 9/29/2020 6:06 PM | -1.4 | 0.1 | -0.9 | -0.7 | 2.8 |
| 9/29/2020 6:12 PM | -1.4 | 0.1 | -0.9 | -0.7 | 2.7 |
| 9/29/2020 6:18 PM | -1.4 | 0.2 | -1.0 | -0.7 | 2.6 |
| 9/29/2020 6:24 PM | -1.3 | 0.2 | -1.0 | -0.7 | 2.6 |
| 9/29/2020 6:30 PM | -1.4 | 0.2 | -1.0 | -0.7 | 2.6 |
| 9/29/2020 6:36 PM | -1.4 | 0.2 | -1.0 | -0.7 | 2.7 |
| 9/29/2020 6:42 PM | -1.4 | 0.2 | -1.0 | -0.7 | 2.7 |
| 9/29/2020 6:48 PM | -1.4 | 0.2 | -1.0 | -0.7 | 2.7 |

|                    |      |     |      |      |     |
|--------------------|------|-----|------|------|-----|
| 9/29/2020 6:54 PM  | -1.4 | 0.2 | -1.0 | -0.7 | 2.8 |
| 9/29/2020 7:00 PM  | -1.4 | 0.2 | -1.0 | -0.7 | 2.7 |
| 9/29/2020 7:06 PM  | -1.4 | 1.6 | -1.0 | -0.7 | 6.3 |
| 9/29/2020 7:12 PM  | -1.4 | 2.5 | -1.0 | -0.7 | 9.8 |
| 9/29/2020 7:18 PM  | -1.4 | 1.6 | -1.0 | -0.7 | 8.2 |
| 9/29/2020 7:24 PM  | -1.4 | 1.4 | -1.0 | -0.7 | 7.4 |
| 9/29/2020 7:30 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 7.2 |
| 9/29/2020 7:36 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 6.8 |
| 9/29/2020 7:42 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 6.5 |
| 9/29/2020 7:48 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 6.6 |
| 9/29/2020 7:54 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 6.3 |
| 9/29/2020 8:00 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 6.2 |
| 9/29/2020 8:06 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 6.0 |
| 9/29/2020 8:12 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 5.9 |
| 9/29/2020 8:18 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 5.8 |
| 9/29/2020 8:24 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 5.7 |
| 9/29/2020 8:30 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 5.7 |
| 9/29/2020 8:36 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 5.7 |
| 9/29/2020 8:42 PM  | -1.4 | 1.3 | -1.0 | -0.7 | 5.7 |
| 9/29/2020 8:48 PM  | -1.4 | 1.3 | -1.0 | -0.7 | 5.9 |
| 9/29/2020 8:54 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 5.8 |
| 9/29/2020 9:00 PM  | -1.4 | 1.2 | -1.0 | -0.7 | 5.9 |
| 9/29/2020 9:06 PM  | -1.4 | 1.3 | -1.0 | -0.7 | 5.9 |
| 9/29/2020 9:12 PM  | -1.4 | 1.3 | -1.0 | -0.7 | 5.6 |
| 9/29/2020 9:18 PM  | -1.4 | 1.4 | -1.0 | -0.7 | 5.6 |
| 9/29/2020 9:24 PM  | -1.4 | 1.4 | -1.0 | -0.7 | 5.6 |
| 9/29/2020 9:30 PM  | -1.4 | 1.3 | -1.0 | -0.7 | 5.5 |
| 9/29/2020 9:36 PM  | -1.3 | 1.3 | -1.0 | -0.6 | 5.5 |
| 9/29/2020 9:42 PM  | -1.3 | 1.2 | -1.0 | -0.6 | 5.5 |
| 9/29/2020 9:48 PM  | -1.3 | 1.3 | -1.0 | -0.6 | 5.5 |
| 9/29/2020 9:54 PM  | -1.2 | 1.3 | -0.9 | -0.6 | 5.5 |
| 9/29/2020 10:00 PM | 18.9 | 1.3 | -0.9 | 8.1  | 5.6 |
| 9/29/2020 10:06 PM | 36.7 | 1.3 | -0.9 | 19.2 | 6.0 |
| 9/29/2020 10:12 PM | 27.2 | 1.3 | -0.9 | 14.7 | 6.2 |
| 9/29/2020 10:18 PM | 16.2 | 1.3 | -0.9 | 7.9  | 6.3 |
| 9/29/2020 10:24 PM | 12.0 | 1.4 | -0.9 | 6.5  | 6.3 |
| 9/29/2020 10:30 PM | 12.3 | 1.4 | -0.9 | 10.6 | 6.2 |
| 9/29/2020 10:36 PM | 10.0 | 1.4 | -0.9 | 10.5 | 6.2 |
| 9/29/2020 10:42 PM | 22.9 | 1.4 | -0.9 | 9.7  | 6.3 |
| 9/29/2020 10:48 PM | 29.8 | 1.4 | -0.9 | 11.1 | 6.5 |
| 9/29/2020 10:54 PM | 22.1 | 1.4 | -0.9 | 12.6 | 6.5 |
| 9/29/2020 11:00 PM | 19.9 | 1.3 | -0.9 | 11.8 | 6.5 |
| 9/29/2020 11:06 PM | 14.8 | 1.4 | -0.9 | 9.4  | 6.5 |
| 9/29/2020 11:12 PM | 12.4 | 1.4 | -0.9 | 8.2  | 6.5 |
| 9/29/2020 11:18 PM | 19.0 | 1.3 | -0.9 | 7.8  | 6.1 |
| 9/29/2020 11:24 PM | 20.9 | 1.4 | -0.9 | 7.2  | 5.9 |
| 9/29/2020 11:30 PM | 10.0 | 1.4 | -0.9 | 7.1  | 5.8 |
| 9/29/2020 11:36 PM | 6.4  | 1.4 | -0.9 | 7.0  | 5.9 |
| 9/29/2020 11:42 PM | 4.2  | 1.3 | -0.9 | 6.9  | 5.9 |
| 9/29/2020 11:48 PM | 2.3  | 1.3 | -0.9 | 7.0  | 5.9 |

|                    |      |     |      |     |     |
|--------------------|------|-----|------|-----|-----|
| 9/29/2020 11:54 PM | 0.6  | 1.2 | -0.9 | 6.7 | 6.1 |
| 9/30/2020 12:00 AM | 0.0  | 1.2 | -0.9 | 6.6 | 6.2 |
| 9/30/2020 12:06 AM | -0.2 | 1.0 | -0.9 | 6.4 | 6.0 |
| 9/30/2020 12:12 AM | -0.3 | 0.5 | -0.9 | 6.4 | 6.0 |
| 9/30/2020 12:18 AM | -0.3 | 0.2 | -0.9 | 6.4 | 6.1 |
| 9/30/2020 12:24 AM | -0.3 | 0.2 | -0.9 | 6.8 | 6.3 |
| 9/30/2020 12:30 AM | -0.2 | 0.2 | -0.9 | 6.8 | 6.7 |
| 9/30/2020 12:36 AM | -0.2 | 0.4 | -0.9 | 6.8 | 7.0 |
| 9/30/2020 12:42 AM | -0.2 | 0.5 | -0.9 | 4.0 | 5.0 |
| 9/30/2020 12:48 AM | 0.9  | 2.1 | -0.9 | 0.3 | 2.2 |
| 9/30/2020 12:54 AM | 1.2  | 2.3 | -1.0 | 0.4 | 2.1 |
| 9/30/2020 1:00 AM  | 0.2  | 2.0 | -1.0 | 0.5 | 2.2 |
| 9/30/2020 1:06 AM  | 0.2  | 2.0 | -1.0 | 0.6 | 2.3 |
| 9/30/2020 1:12 AM  | 0.1  | 2.0 | -1.1 | 0.6 | 2.4 |
| 9/30/2020 1:18 AM  | 0.3  | 2.0 | -1.2 | 2.8 | 3.2 |
| 9/30/2020 1:24 AM  | 0.6  | 2.0 | -1.2 | 7.3 | 6.9 |
| 9/30/2020 1:30 AM  | 0.4  | 2.0 | -1.2 | 7.8 | 8.5 |
| 9/30/2020 1:36 AM  | 0.2  | 2.0 | -1.1 | 7.5 | 7.6 |
| 9/30/2020 1:42 AM  | 0.2  | 2.0 | -1.1 | 7.6 | 6.9 |
| 9/30/2020 1:48 AM  | 0.3  | 2.1 | -1.1 | 7.8 | 7.1 |
| 9/30/2020 1:54 AM  | 0.2  | 2.2 | -1.0 | 7.9 | 7.1 |
| 9/30/2020 2:00 AM  | 0.1  | 2.0 | -1.0 | 8.0 | 6.8 |
| 9/30/2020 2:06 AM  | -0.1 | 2.0 | -0.9 | 7.6 | 6.7 |
| 9/30/2020 2:12 AM  | -0.2 | 2.0 | -0.9 | 7.2 | 6.6 |
| 9/30/2020 2:18 AM  | -0.2 | 2.0 | -0.9 | 7.5 | 6.5 |
| 9/30/2020 2:24 AM  | -0.2 | 2.1 | -0.9 | 7.4 | 6.6 |
| 9/30/2020 2:30 AM  | -0.1 | 2.3 | -0.8 | 7.6 | 6.7 |
| 9/30/2020 2:36 AM  | -0.1 | 2.3 | -0.8 | 7.9 | 6.7 |
| 9/30/2020 2:42 AM  | -0.1 | 2.3 | -0.9 | 7.8 | 6.8 |
| 9/30/2020 2:48 AM  | -0.2 | 2.2 | -0.9 | 7.8 | 6.9 |
| 9/30/2020 2:54 AM  | -0.2 | 2.2 | -0.9 | 7.9 | 6.8 |
| 9/30/2020 3:00 AM  | -0.2 | 2.2 | -0.9 | 8.0 | 6.8 |
| 9/30/2020 3:06 AM  | -0.3 | 2.2 | -0.9 | 7.5 | 6.7 |
| 9/30/2020 3:12 AM  | -0.3 | 2.2 | -0.8 | 7.4 | 6.6 |
| 9/30/2020 3:18 AM  | -0.3 | 2.2 | -0.8 | 7.6 | 6.6 |
| 9/30/2020 3:24 AM  | -0.3 | 2.1 | -0.8 | 7.7 | 6.4 |
| 9/30/2020 3:30 AM  | -0.3 | 2.1 | -0.8 | 7.6 | 6.4 |
| 9/30/2020 3:36 AM  | -0.4 | 2.1 | -0.8 | 7.7 | 6.4 |
| 9/30/2020 3:42 AM  | -0.4 | 2.1 | -0.8 | 7.4 | 6.2 |
| 9/30/2020 3:48 AM  | -0.4 | 2.1 | -0.8 | 7.1 | 6.0 |
| 9/30/2020 3:54 AM  | -0.4 | 2.1 | -0.8 | 7.1 | 5.9 |
| 9/30/2020 4:00 AM  | -0.5 | 2.0 | -0.8 | 7.1 | 5.7 |
| 9/30/2020 4:06 AM  | -0.5 | 1.9 | -0.8 | 7.0 | 6.0 |
| 9/30/2020 4:12 AM  | -0.6 | 1.9 | -0.8 | 6.9 | 5.9 |
| 9/30/2020 4:18 AM  | -0.6 | 1.8 | -0.8 | 6.5 | 5.7 |
| 9/30/2020 4:24 AM  | -0.6 | 1.8 | -0.8 | 6.3 | 5.8 |
| 9/30/2020 4:30 AM  | -0.6 | 1.8 | -0.7 | 6.4 | 5.8 |
| 9/30/2020 4:36 AM  | -0.7 | 1.8 | -0.7 | 6.4 | 5.8 |
| 9/30/2020 4:42 AM  | -0.7 | 1.8 | -0.7 | 6.2 | 5.9 |
| 9/30/2020 4:48 AM  | -0.7 | 1.8 | -0.6 | 6.2 | 6.0 |

|                   |      |      |      |     |      |
|-------------------|------|------|------|-----|------|
| 9/30/2020 4:54 AM | -0.7 | 1.8  | -0.6 | 6.3 | 6.0  |
| 9/30/2020 5:00 AM | -0.7 | 1.7  | -0.5 | 6.6 | 5.8  |
| 9/30/2020 5:06 AM | -0.7 | 1.7  | -0.5 | 6.5 | 5.8  |
| 9/30/2020 5:12 AM | -0.6 | 1.6  | -0.5 | 6.7 | 5.7  |
| 9/30/2020 5:18 AM | -0.6 | 1.6  | -0.4 | 6.9 | 5.7  |
| 9/30/2020 5:24 AM | -0.7 | 1.7  | -0.4 | 6.9 | 5.6  |
| 9/30/2020 5:30 AM | -0.7 | 1.6  | -0.4 | 6.6 | 5.6  |
| 9/30/2020 5:36 AM | -0.7 | 1.6  | -0.4 | 6.3 | 5.7  |
| 9/30/2020 5:42 AM | -0.8 | 1.6  | -0.4 | 6.4 | 5.7  |
| 9/30/2020 5:48 AM | -0.7 | 1.6  | -0.4 | 6.3 | 5.7  |
| 9/30/2020 5:54 AM | -0.8 | 1.6  | -0.5 | 6.3 | 5.7  |
| 9/30/2020 6:00 AM | -0.8 | 1.6  | -0.8 | 6.2 | 5.5  |
| 9/30/2020 6:06 AM | -0.8 | 1.6  | -1.0 | 6.0 | 5.4  |
| 9/30/2020 6:12 AM | -0.8 | 1.5  | -1.0 | 6.0 | 5.7  |
| 9/30/2020 6:18 AM | -0.8 | 1.5  | -1.0 | 6.2 | 5.9  |
| 9/30/2020 6:24 AM | -0.8 | 1.4  | -1.0 | 6.4 | 6.1  |
| 9/30/2020 6:30 AM | -0.8 | 0.8  | -1.0 | 6.4 | 4.8  |
| 9/30/2020 6:36 AM | -1.0 | -0.3 | -1.0 | 6.5 | 1.3  |
| 9/30/2020 6:42 AM | -1.2 | -0.8 | -1.0 | 6.5 | -0.1 |
| 9/30/2020 6:48 AM | -1.2 | -0.8 | -1.0 | 6.6 | -0.1 |
| 9/30/2020 6:54 AM | -1.2 | -0.9 | -1.0 | 6.7 | -0.1 |
| 9/30/2020 7:00 AM | -1.2 | -0.9 | -1.0 | 6.5 | -0.1 |
| 9/30/2020 7:06 AM | -1.2 | -0.9 | -1.0 | 6.5 | -0.2 |
| 9/30/2020 7:12 AM | -1.2 | -0.9 | -1.0 | 5.8 | -0.2 |
| 9/30/2020 7:18 AM | -1.2 | -0.9 | -1.0 | 3.7 | -0.2 |
| 9/30/2020 7:24 AM | -1.2 | -0.9 | -1.0 | 2.8 | -0.2 |
| 9/30/2020 7:30 AM | -1.2 | -0.9 | -1.0 | 2.7 | -0.2 |
| 9/30/2020 7:36 AM | -1.2 | -1.0 | -1.0 | 2.5 | -0.2 |
| 9/30/2020 7:42 AM | -1.2 | -1.0 | -1.0 | 1.3 | -0.1 |
| 9/30/2020 7:48 AM | -1.2 | -1.0 | -1.0 | 0.3 | -0.2 |
| 9/30/2020 7:54 AM | -1.2 | -1.0 | -1.0 | 0.5 | -0.1 |
| 9/30/2020 8:00 AM | -1.2 | -1.0 | -1.1 | 0.5 | -0.2 |
| 9/30/2020 8:06 AM | -1.2 | -1.0 | -1.1 | 0.5 | -0.2 |
| 9/30/2020 8:12 AM | -1.2 | -1.0 | -1.1 | 0.6 | -0.2 |
| 9/30/2020 8:18 AM | -1.2 | -1.0 | -1.1 | 0.7 | -0.2 |
| 9/30/2020 8:24 AM | -1.2 | -1.0 | -1.1 | 0.7 | -0.2 |
| 9/30/2020 8:30 AM | -1.2 | -1.0 | -1.1 | 0.7 | -0.2 |
| 9/30/2020 8:36 AM | -1.2 | -0.9 | -1.1 | 0.7 | -0.2 |
| 9/30/2020 8:42 AM | -1.2 | -0.9 | -1.1 | 0.7 | -0.2 |
| 9/30/2020 8:48 AM | -1.2 | -1.0 | -1.1 | 0.7 | -0.2 |
| 9/30/2020 8:54 AM | -1.3 | -0.9 | -1.1 | 0.7 | -0.2 |
| 9/30/2020 9:00 AM | -1.3 | -0.9 | -1.1 | 0.7 | -0.2 |
| 9/30/2020 9:06 AM | -1.3 | -0.9 | -1.1 | 0.8 | -0.2 |
| 9/30/2020 9:12 AM | -1.3 | -0.9 | -1.1 | 0.8 | -0.2 |
| 9/30/2020 9:18 AM | -1.2 | -0.9 | -1.1 | 0.8 | -0.2 |
| 9/30/2020 9:24 AM | -1.2 | -0.9 | -1.1 | 0.8 | -0.2 |
| 9/30/2020 9:30 AM | -1.2 | -0.9 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 9:36 AM | -1.2 | -0.9 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 9:42 AM | -1.2 | -0.9 | -1.0 | 0.9 | -0.2 |
| 9/30/2020 9:48 AM | -1.2 | -0.9 | -1.0 | 0.8 | -0.2 |

|                    |      |      |      |     |      |
|--------------------|------|------|------|-----|------|
| 9/30/2020 9:54 AM  | -1.1 | -0.9 | -1.0 | 0.9 | -0.2 |
| 9/30/2020 10:00 AM | -1.1 | -0.9 | -1.0 | 0.9 | -0.2 |
| 9/30/2020 10:06 AM | -1.1 | -0.9 | -1.0 | 0.9 | -0.2 |
| 9/30/2020 10:12 AM | -1.1 | -0.9 | -1.0 | 0.9 | -0.2 |
| 9/30/2020 10:18 AM | -1.1 | -0.9 | -1.0 | 0.9 | -0.2 |
| 9/30/2020 10:24 AM | -1.0 | -0.9 | -1.0 | 0.8 | -0.2 |
| 9/30/2020 10:30 AM | -1.0 | -0.9 | -1.0 | 0.8 | -0.2 |
| 9/30/2020 10:36 AM | -1.0 | -1.0 | -1.0 | 0.8 | -0.2 |
| 9/30/2020 10:42 AM | -1.0 | -1.0 | -0.9 | 0.8 | -0.2 |
| 9/30/2020 10:48 AM | -1.0 | -1.0 | -0.9 | 0.8 | -0.2 |
| 9/30/2020 10:54 AM | -1.0 | -1.0 | -0.9 | 0.8 | -0.2 |
| 9/30/2020 11:00 AM | -0.9 | -1.0 | -0.9 | 0.8 | -0.2 |
| 9/30/2020 11:06 AM | -0.9 | -1.0 | -0.9 | 0.8 | -0.2 |
| 9/30/2020 11:12 AM | -0.9 | -0.9 | -0.9 | 0.8 | -0.2 |
| 9/30/2020 11:18 AM | -0.9 | -0.9 | -0.9 | 0.8 | -0.2 |
| 9/30/2020 11:24 AM | -0.9 | -0.9 | -0.9 | 0.8 | -0.2 |
| 9/30/2020 11:30 AM | -0.9 | -0.9 | -0.8 | 0.7 | -0.2 |
| 9/30/2020 11:36 AM | -0.9 | -0.9 | -0.7 | 0.7 | -0.2 |
| 9/30/2020 11:42 AM | -0.9 | -0.9 | -0.6 | 0.7 | -0.2 |
| 9/30/2020 11:48 AM | -0.8 | -0.9 | -0.5 | 0.8 | -0.2 |
| 9/30/2020 11:54 AM | -0.8 | -1.0 | -0.5 | 0.8 | -0.2 |
| 9/30/2020 12:00 PM | -0.2 | -0.9 | -0.5 | 0.9 | -0.2 |
| 9/30/2020 12:06 PM | 1.6  | -0.6 | -0.5 | 1.2 | -0.2 |
| 9/30/2020 12:12 PM | 1.6  | -0.6 | -0.5 | 1.2 | -0.2 |
| 9/30/2020 12:18 PM | 1.7  | -0.6 | -0.6 | 1.2 | -0.2 |
| 9/30/2020 12:24 PM | 1.7  | -0.6 | -0.7 | 1.2 | -0.2 |
| 9/30/2020 12:30 PM | 1.7  | -0.6 | -0.8 | 1.2 | -0.2 |
| 9/30/2020 12:36 PM | 1.7  | -0.6 | -0.8 | 1.2 | -0.1 |
| 9/30/2020 12:42 PM | 1.7  | -0.6 | -0.8 | 1.2 | -0.2 |
| 9/30/2020 12:48 PM | 1.7  | -0.6 | -0.9 | 1.2 | -0.2 |
| 9/30/2020 12:54 PM | 1.7  | -0.6 | -0.9 | 1.3 | -0.2 |
| 9/30/2020 1:00 PM  | 1.7  | -0.7 | -0.9 | 1.2 | -0.2 |
| 9/30/2020 1:06 PM  | 1.6  | -0.7 | -1.0 | 1.1 | -0.2 |
| 9/30/2020 1:12 PM  | 1.4  | -0.7 | -1.0 | 0.9 | -0.2 |
| 9/30/2020 1:18 PM  | 1.4  | -0.7 | -0.9 | 0.9 | -0.2 |
| 9/30/2020 1:24 PM  | 1.4  | -0.7 | -0.9 | 1.0 | -0.2 |
| 9/30/2020 1:30 PM  | 1.4  | -0.7 | -0.8 | 0.9 | -0.2 |
| 9/30/2020 1:36 PM  | 1.4  | -0.7 | -0.7 | 0.9 | -0.2 |
| 9/30/2020 1:42 PM  | 1.4  | -0.7 | -0.6 | 0.9 | -0.2 |
| 9/30/2020 1:48 PM  | 1.4  | -0.7 | -0.6 | 1.0 | -0.2 |
| 9/30/2020 1:54 PM  | 1.4  | -0.6 | -0.7 | 1.0 | -0.2 |
| 9/30/2020 2:00 PM  | 1.4  | -0.6 | -0.7 | 0.9 | -0.2 |
| 9/30/2020 2:06 PM  | 1.4  | -0.6 | -0.7 | 1.0 | -0.2 |
| 9/30/2020 2:12 PM  | 1.4  | -0.7 | -0.7 | 1.0 | -0.2 |
| 9/30/2020 2:18 PM  | 1.4  | -0.6 | -0.8 | 0.9 | -0.2 |
| 9/30/2020 2:24 PM  | 1.4  | -0.6 | -0.9 | 0.9 | -0.2 |
| 9/30/2020 2:30 PM  | 1.4  | -0.6 | -1.0 | 0.9 | -0.2 |
| 9/30/2020 2:36 PM  | 1.4  | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 2:42 PM  | 1.4  | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 2:48 PM  | 1.4  | -0.7 | -1.1 | 0.9 | -0.2 |

|                   |     |      |      |     |      |
|-------------------|-----|------|------|-----|------|
| 9/30/2020 2:54 PM | 1.4 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 3:00 PM | 1.4 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 3:06 PM | 1.4 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 3:12 PM | 1.4 | -0.7 | -1.0 | 0.8 | -0.2 |
| 9/30/2020 3:18 PM | 1.5 | -0.6 | -1.0 | 0.9 | -0.2 |
| 9/30/2020 3:24 PM | 1.5 | -0.7 | -0.9 | 0.9 | -0.2 |
| 9/30/2020 3:30 PM | 1.6 | -0.7 | -0.9 | 0.9 | -0.2 |
| 9/30/2020 3:36 PM | 1.6 | -0.7 | -0.8 | 0.9 | -0.2 |
| 9/30/2020 3:42 PM | 1.6 | -0.6 | -0.8 | 0.9 | -0.2 |
| 9/30/2020 3:48 PM | 1.6 | -0.6 | -0.9 | 0.9 | -0.2 |
| 9/30/2020 3:54 PM | 1.6 | -0.6 | -0.9 | 0.9 | -0.2 |
| 9/30/2020 4:00 PM | 1.6 | -0.6 | -1.0 | 0.9 | -0.2 |
| 9/30/2020 4:06 PM | 1.6 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 4:12 PM | 1.6 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 4:18 PM | 1.6 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 4:24 PM | 1.6 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 4:30 PM | 1.6 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 4:36 PM | 1.6 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 4:42 PM | 1.6 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 4:48 PM | 1.6 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 4:54 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 5:00 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 5:06 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 5:12 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 5:18 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 5:24 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 5:30 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 5:36 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 5:42 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 5:48 PM | 1.5 | -0.7 | -1.1 | 0.8 | -0.2 |
| 9/30/2020 5:54 PM | 1.5 | -0.6 | -1.1 | 0.8 | -0.2 |
| 9/30/2020 6:00 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 6:06 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 6:12 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 6:18 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 6:24 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 6:30 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 6:36 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 6:42 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 6:48 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 6:54 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 7:00 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 7:06 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 7:12 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 7:18 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 7:24 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 7:30 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 7:36 PM | 1.5 | -0.7 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 7:42 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 7:48 PM | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |



|                    |     |      |      |     |      |
|--------------------|-----|------|------|-----|------|
| 9/30/2020 7:54 PM  | 1.4 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 8:00 PM  | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 8:06 PM  | 1.5 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 8:12 PM  | 1.4 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 8:18 PM  | 1.4 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 8:24 PM  | 1.4 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 8:30 PM  | 1.4 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 8:36 PM  | 1.4 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 8:42 PM  | 1.4 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 8:48 PM  | 1.4 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 8:54 PM  | 1.4 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 9:00 PM  | 1.4 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 9:06 PM  | 1.4 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 9:12 PM  | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 9:18 PM  | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 9:24 PM  | 1.4 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 9:30 PM  | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 9:36 PM  | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 9:42 PM  | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 9:48 PM  | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 9:54 PM  | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 10:00 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 10:06 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 10:12 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 10:18 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 10:24 PM | 1.3 | -0.6 | -1.1 | 1.1 | -0.2 |
| 9/30/2020 10:30 PM | 1.3 | -0.6 | -1.1 | 1.1 | -0.2 |
| 9/30/2020 10:36 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 10:42 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 10:48 PM | 1.3 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 10:54 PM | 1.3 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 11:00 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 11:06 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 11:12 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 11:18 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 11:24 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 11:30 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 11:36 PM | 1.3 | -0.6 | -1.1 | 1.0 | -0.2 |
| 9/30/2020 11:42 PM | 1.3 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 11:48 PM | 1.3 | -0.6 | -1.1 | 0.9 | -0.2 |
| 9/30/2020 11:54 PM | 1.2 | -0.6 | -1.1 | 2.1 | -0.2 |

|         |           |           |           |           |           |
|---------|-----------|-----------|-----------|-----------|-----------|
| Minimum | -1.6      | -2.0      | -1.4      | -1.3      | -0.4      |
| MinDate | 8/17/2020 | 8/19/2020 | 8/5/2020  | 8/5/2020  | 7/11/2020 |
| MinTime | 5:52 AM   | 3:34 AM   | 5:55 AM   | 7:18 AM   | 1:12 AM   |
|         |           |           |           |           |           |
| Maximum | 53.6      | 29.5      | 0.5       | 26.4      | 40.0      |
| MaxDate | 9/15/2020 | 8/12/2020 | 9/15/2020 | 7/13/2020 | 7/27/2020 |
| MaxTime | 12:00 PM  | 5:12 PM   | 12:06 PM  | 2:48 PM   | 2:54 AM   |
|         |           |           |           |           |           |

|                                     |       |       |       |       |       |
|-------------------------------------|-------|-------|-------|-------|-------|
| Avg                                 | 0.0   | 0.9   | -0.6  | 1.8   | 1.8   |
| Num                                 | 21722 | 21972 | 21995 | 21996 | 21995 |
| Data [% Valid]                      | 98.4% | 99.5% | 99.6% | 99.6% | 99.6% |
| Calibrations and<br>Maintenance [%] | 0.1%  | 0.1%  | 0.1%  | 0.1%  | 0.1%  |
| Exceedances                         | 27    | 8     | 0     | 26    | 13    |

**APPENDIX D**

**QUATERLY AUDIT DATA**

OPACITY-QUARTERLY  
CALIBRATION ERROR TEST

|                                                 |                      |                |  |  |                        |          |                                |                    |  |
|-------------------------------------------------|----------------------|----------------|--|--|------------------------|----------|--------------------------------|--------------------|--|
| Person Conducting Test:                         |                      | Rhine Almonacy |  |  | Analyzer Manufacturer: |          | AMETEK                         |                    |  |
| Company                                         | New York City D.E.P. |                |  |  | Unit                   | PE1      |                                |                    |  |
| Date                                            | 9/23/2020            |                |  |  | Serial Number:         | 22248563 |                                |                    |  |
| Monitor Pathlength, L1                          |                      |                |  |  | in.                    |          | Emission Outlet Pathlength, L2 |                    |  |
| Monitoring System Output Path Length Corrected? |                      |                |  |  | No                     | X        | No                             | Taper Ratio: 1.000 |  |

|                         |  |           |       |                        |  |           |       |
|-------------------------|--|-----------|-------|------------------------|--|-----------|-------|
| Actual Neutral: Density |  | Opacity % |       | Path Adjusted: Density |  | Opacity % |       |
| Low Range               |  |           | 18.00 | Low Range              |  |           | 18.00 |
| Mid Range               |  |           | 25.60 | Mid Range              |  |           | 25.60 |
| High Range              |  |           | 44.50 | High Range             |  |           | 44.50 |

| Run Number | Time/Date<br>9/23/2020 | Calibration filter Value<br>(Path adjusted Percent Opacity) |       |   | Instrument<br>Reading<br>(Opacity), % |   | Arithmetic Difference<br>(Opacity) percent |       |       |
|------------|------------------------|-------------------------------------------------------------|-------|---|---------------------------------------|---|--------------------------------------------|-------|-------|
|            |                        |                                                             |       |   |                                       |   | Low                                        | Mid   | High  |
| 1-Low      | 15:50                  |                                                             | 18.00 | % | 18.10                                 | % | -0.10                                      |       |       |
| 2-Mid      | 15:54                  |                                                             | 25.60 | % | 25.65                                 | % |                                            | -0.05 |       |
| 3-High     | 15:58                  |                                                             | 44.50 | % | 44.92                                 | % |                                            |       | -0.42 |
| 4-Low      | 16:02                  |                                                             | 18.00 | % | 18.30                                 | % | -0.30                                      |       |       |
| 5-Mid      | 16:05                  |                                                             | 25.60 | % | 25.64                                 | % |                                            | -0.04 |       |
| 6-High     | 16:08                  |                                                             | 44.50 | % | 44.90                                 | % |                                            |       | -0.40 |
| 7-Low      | 16:11                  |                                                             | 18.00 | % | 18.08                                 | % | -0.08                                      |       |       |
| 8-Mid      | 16:14                  |                                                             | 25.60 | % | 25.82                                 | % |                                            | -0.22 |       |
| 9-High     | 16:17                  |                                                             | 44.50 | % | 44.91                                 | % |                                            |       | -0.41 |
| 10-Low     | 16:20                  |                                                             | 18.00 | % | 17.91                                 | % | 0.09                                       |       |       |
| 11-Mid     | 16:23                  |                                                             | 25.60 | % | 25.66                                 | % |                                            | -0.06 |       |
| 12-High    | 16:26                  |                                                             | 44.50 | % | 44.67                                 | % |                                            |       | -0.17 |
| 13-Low     | 16:29                  |                                                             | 18.00 | % | 18.01                                 | % | -0.01                                      |       |       |
| 14-Mid     | 16:32                  |                                                             | 25.60 | % | 25.75                                 | % |                                            | -0.15 |       |
| 15-High    | 16:35                  |                                                             | 44.50 | % | 44.75                                 | % |                                            |       | -0.25 |

|                                                                                                                   |  |  |  |  |  |       |       |       |
|-------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-------|-------|-------|
| Arithmetic Mean (Equation 1-2) X<br><br>X<br>Confidence Coefficient (Equation 1-4) CC<br>Calibration Error X + CC |  |  |  |  |  | X     | X     | X     |
|                                                                                                                   |  |  |  |  |  | 0.08  | 0.104 | 0.33  |
|                                                                                                                   |  |  |  |  |  | 0.178 | 0.097 | 0.141 |
|                                                                                                                   |  |  |  |  |  | 0.258 | 0.201 | 0.471 |

OPACITY-QUARTERLY  
CALIBRATION ERROR TEST

|                                                 |                      |                |  |  |                        |   |                                |                    |  |
|-------------------------------------------------|----------------------|----------------|--|--|------------------------|---|--------------------------------|--------------------|--|
| Person Conducting Test:                         |                      | Rhine Almonacy |  |  | Analyzer Manufacturer: |   | AMETEK                         |                    |  |
| Company                                         | New York City D.E.P. |                |  |  | Unit                   |   | PE2                            |                    |  |
| Date                                            | 9/23/2020            |                |  |  | Serial Number:         |   | 22248963                       |                    |  |
| Monitor Pathlength, L1                          |                      |                |  |  | in.                    |   | Emission Outlet Pathlength, L2 |                    |  |
| Monitoring System Output Path Length Corrected? |                      |                |  |  | No                     | X | No                             | Taper Ratio: 1.000 |  |

|                         |  |           |       |                        |  |           |       |
|-------------------------|--|-----------|-------|------------------------|--|-----------|-------|
| Actual Neutral: Density |  | Opacity % |       | Path Adjusted: Density |  | Opacity % |       |
| Low Range               |  |           | 18.00 | Low Range              |  |           | 18.00 |
| Mid Range               |  |           | 25.60 | Mid Range              |  |           | 25.60 |
| High Range              |  |           | 44.50 | High Range             |  |           | 44.50 |

| Run Number | Time/Date<br>9/23/2020 | Calibration filter Value<br>(Path adjusted Percent Opacity) |       |   | Instrument<br>Reading<br>(Opacity), % |   | Arithmetic Difference<br>(Opacity) percent |       |       |
|------------|------------------------|-------------------------------------------------------------|-------|---|---------------------------------------|---|--------------------------------------------|-------|-------|
|            |                        |                                                             |       |   |                                       |   | Low                                        | Mid   | High  |
| 1-Low      | 14:57                  |                                                             | 18.00 | % | 18.20                                 | % | -0.20                                      |       |       |
| 2-Mid      | 15:01                  |                                                             | 25.60 | % | 25.74                                 | % |                                            | -0.14 |       |
| 3-High     | 15:05                  |                                                             | 44.50 | % | 44.63                                 | % |                                            |       | -0.13 |
| 4-Low      | 15:09                  |                                                             | 18.00 | % | 18.18                                 | % | -0.18                                      |       |       |
| 5-Mid      | 15:12                  |                                                             | 25.60 | % | 25.66                                 | % |                                            | -0.06 |       |
| 6-High     | 15:15                  |                                                             | 44.50 | % | 44.70                                 | % |                                            |       | -0.20 |
| 7-Low      | 15:18                  |                                                             | 18.00 | % | 18.27                                 | % | -0.27                                      |       |       |
| 8-Mid      | 15:21                  |                                                             | 25.60 | % | 25.90                                 | % |                                            | -0.30 |       |
| 9-High     | 15:24                  |                                                             | 44.50 | % | 44.69                                 | % |                                            |       | -0.19 |
| 10-Low     | 15:27                  |                                                             | 18.00 | % | 18.15                                 | % | -0.15                                      |       |       |
| 11-Mid     | 15:30                  |                                                             | 25.60 | % | 25.68                                 | % |                                            | -0.08 |       |
| 12-High    | 15:33                  |                                                             | 44.50 | % | 44.66                                 | % |                                            |       | -0.16 |
| 13-Low     | 15:36                  |                                                             | 18.00 | % | 18.21                                 | % | -0.21                                      |       |       |
| 14-Mid     | 15:39                  |                                                             | 25.60 | % | 25.56                                 | % |                                            | 0.04  |       |
| 15-High    | 15:42                  |                                                             | 44.50 | % | 44.82                                 | % |                                            |       | -0.32 |

|                                                                                                                   |  |  |  |  |  |  |       |       |       |
|-------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|-------|-------|
| Arithmetic Mean (Equation 1-2) X<br><br>X<br>Confidence Coefficient (Equation 1-4) CC<br>Calibration Error X + CC |  |  |  |  |  |  | X     | X     | X     |
|                                                                                                                   |  |  |  |  |  |  | 0.202 | 0.108 | 0.2   |
|                                                                                                                   |  |  |  |  |  |  | 0.055 | 0.156 | 0.090 |
|                                                                                                                   |  |  |  |  |  |  | 0.257 | 0.264 | 0.290 |

OPACITY-QUARTERLY  
CALIBRATION ERROR TEST

|                                                |                      |                |  |  |                        |   |          |                    |  |
|------------------------------------------------|----------------------|----------------|--|--|------------------------|---|----------|--------------------|--|
| Person Conducting Test:                        |                      | Rhine Almonacy |  |  | Analyzer Manufacturer: |   | AMETEK   |                    |  |
| Company                                        | New York City D.E.P. |                |  |  | Unit                   |   | PE3      |                    |  |
| Date                                           | 9/23/2020            |                |  |  | Serial Numbner:        |   | 22348363 |                    |  |
| Monitor Pathlength, L1                         |                      |                |  |  | in.                    |   |          |                    |  |
| Monitoring System Output Path Lengh Corrected? |                      |                |  |  | No                     | X | No       | Taper Ratio: 1.000 |  |

|                         |  |           |       |                        |  |           |       |
|-------------------------|--|-----------|-------|------------------------|--|-----------|-------|
| Actual Neutral: Density |  | Opacity % |       | Path Adjusted: Density |  | Opacity % |       |
| Low Range               |  |           | 18.00 | Low Range              |  |           | 18.00 |
| Mid Range               |  |           | 25.60 | Mid Range              |  |           | 25.60 |
| High Range              |  |           | 44.50 | High Range             |  |           | 44.50 |

| Run Number | Time/Date<br>9/23/2020 | Calibration filter Value<br>(Path adjusted Percent Opacity) |       |   | Instrument Reading<br>(Opacity), % |   | Arithmetic Difference<br>(Opacity) percent |       |       |
|------------|------------------------|-------------------------------------------------------------|-------|---|------------------------------------|---|--------------------------------------------|-------|-------|
|            |                        |                                                             |       |   |                                    |   | Low                                        | Mid   | High  |
| 1-Low      | 12:13                  |                                                             | 18.00 | % | 18.18                              | % | -0.18                                      |       |       |
| 2-Mid      | 12:17                  |                                                             | 25.60 | % | 25.94                              | % |                                            | -0.34 |       |
| 3-High     | 12:21                  |                                                             | 44.50 | % | 45.04                              | % |                                            |       | -0.54 |
| 4-Low      | 12:25                  |                                                             | 18.00 | % | 18.16                              | % | -0.16                                      |       |       |
| 5-Mid      | 12:28                  |                                                             | 25.60 | % | 26.04                              | % |                                            | -0.44 |       |
| 6-High     | 12:31                  |                                                             | 44.50 | % | 44.90                              | % |                                            |       | -0.40 |
| 7-Low      | 12:34                  |                                                             | 18.00 | % | 18.35                              | % | -0.35                                      |       |       |
| 8-Mid      | 12:37                  |                                                             | 25.60 | % | 26.00                              | % |                                            | -0.40 |       |
| 9-High     | 12:40                  |                                                             | 44.50 | % | 45.07                              | % |                                            |       | -0.57 |
| 10-Low     | 12:43                  |                                                             | 18.00 | % | 18.31                              | % | -0.31                                      |       |       |
| 11-Mid     | 12:46                  |                                                             | 25.60 | % | 25.80                              | % |                                            | -0.20 |       |
| 12-High    | 12:49                  |                                                             | 44.50 | % | 44.98                              | % |                                            |       | -0.48 |
| 13-Low     | 12:52                  |                                                             | 18.00 | % | 18.39                              | % | -0.39                                      |       |       |
| 14-Mid     | 12:55                  |                                                             | 25.60 | % | 25.77                              | % |                                            | -0.17 |       |
| 15-High    | 12:58                  |                                                             | 44.50 | % | 45.00                              | % |                                            |       | -0.5  |

|                                                                                                                           |  |  |  |  |  |       |       |       |
|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-------|-------|-------|
| Arithmetic Mean (Equation 1-2) X<br><br>X<br><br>Confidence Coefficient (Equation 1-4) CC<br><br>Calibration Error X + CC |  |  |  |  |  | X     | X     | X     |
|                                                                                                                           |  |  |  |  |  |       |       |       |
|                                                                                                                           |  |  |  |  |  |       |       |       |
|                                                                                                                           |  |  |  |  |  |       |       |       |
|                                                                                                                           |  |  |  |  |  |       |       |       |
|                                                                                                                           |  |  |  |  |  | 0.278 | 0.31  | 0.498 |
|                                                                                                                           |  |  |  |  |  | 0.128 | 0.149 | 0.081 |
|                                                                                                                           |  |  |  |  |  | 0.406 | 0.459 | 0.579 |

OPACITY-QUARTERLY  
CALIBRATION ERROR TEST

|                                                 |                      |                |  |  |                                |          |        |                    |  |
|-------------------------------------------------|----------------------|----------------|--|--|--------------------------------|----------|--------|--------------------|--|
| Person Conducting Test:                         |                      | Rhine Almonacy |  |  | Analyzer Manufacturer:         |          | AMETEK |                    |  |
| Company                                         | New York City D.E.P. |                |  |  | Unit                           | PE4      |        |                    |  |
| Date                                            | 9/23/2020            |                |  |  | Serial Number:                 | 22248863 |        |                    |  |
| Monitor Pathlength, L1                          |                      |                |  |  | Emission Outlet Pathlength, L2 |          |        |                    |  |
| Monitoring System Output Path Length Corrected? |                      |                |  |  | No                             | X        | No     | Taper Ratio: 1.000 |  |

|                         |  |           |       |                        |  |           |       |
|-------------------------|--|-----------|-------|------------------------|--|-----------|-------|
| Actual Neutral: Density |  | Opacity % |       | Path Adjusted: Density |  | Opacity % |       |
| Low Range               |  |           | 18.00 | Low Range              |  |           | 18.00 |
| Mid Range               |  |           | 25.60 | Mid Range              |  |           | 25.60 |
| High Range              |  |           | 44.50 | High Range             |  |           | 44.50 |

| Run Number | Time/Date<br>9/23/2020 | Calibration filter Value<br>(Path adjusted Percent Opacity) |       |   | Instrument Reading<br>(Opacity), % |   | Arithmetic Difference<br>(Opacity) percent |       |       |
|------------|------------------------|-------------------------------------------------------------|-------|---|------------------------------------|---|--------------------------------------------|-------|-------|
|            |                        |                                                             |       |   |                                    |   | Low                                        | Mid   | High  |
| 1-Low      | 13:08                  |                                                             | 18.00 | % | 18.16                              | % | -0.16                                      |       |       |
| 2-Mid      | 13:12                  |                                                             | 25.60 | % | 25.71                              | % |                                            | -0.11 |       |
| 3-High     | 13:16                  |                                                             | 44.50 | % | 44.85                              | % |                                            |       | -0.35 |
| 4-Low      | 13:20                  |                                                             | 18.00 | % | 18.13                              | % | -0.13                                      |       |       |
| 5-Mid      | 13:23                  |                                                             | 25.60 | % | 25.85                              | % |                                            | -0.25 |       |
| 6-High     | 13:26                  |                                                             | 44.50 | % | 44.88                              | % |                                            |       | -0.38 |
| 7-Low      | 13:29                  |                                                             | 18.00 | % | 18.16                              | % | -0.16                                      |       |       |
| 8-Mid      | 13:32                  |                                                             | 25.60 | % | 25.80                              | % |                                            | -0.20 |       |
| 9-High     | 13:35                  |                                                             | 44.50 | % | 44.87                              | % |                                            |       | -0.37 |
| 10-Low     | 13:38                  |                                                             | 18.00 | % | 18.12                              | % | -0.12                                      |       |       |
| 11-Mid     | 13:41                  |                                                             | 25.60 | % | 25.86                              | % |                                            | -0.26 |       |
| 12-High    | 13:44                  |                                                             | 44.50 | % | 44.83                              | % |                                            |       | -0.33 |
| 13-Low     | 13:47                  |                                                             | 18.00 | % | 18.15                              | % | -0.15                                      |       |       |
| 14-Mid     | 13:50                  |                                                             | 25.60 | % | 25.88                              | % |                                            | -0.28 |       |
| 15-High    | 13:53                  |                                                             | 44.50 | % | 44.80                              | % |                                            |       | -0.3  |

|                                                                                                                           |  |  |  |  |  |       |       |       |
|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-------|-------|-------|
| Arithmetic Mean (Equation 1-2) X<br><br>X<br><br>Confidence Coefficient (Equation 1-4) CC<br><br>Calibration Error X + CC |  |  |  |  |  | X     | X     | X     |
|                                                                                                                           |  |  |  |  |  | 0.144 | 0.22  | 0.346 |
|                                                                                                                           |  |  |  |  |  | 0.023 | 0.085 | 0.040 |
|                                                                                                                           |  |  |  |  |  | 0.167 | 0.305 | 0.386 |

OPACITY-QUARTERLY  
CALIBRATION ERROR TEST

|                                                 |                      |                |  |  |                                |          |        |                    |  |
|-------------------------------------------------|----------------------|----------------|--|--|--------------------------------|----------|--------|--------------------|--|
| Person Conducting Test:                         |                      | Rhine Almonacy |  |  | Analyzer Manufacturer:         |          | AMETEK |                    |  |
| Company                                         | New York City D.E.P. |                |  |  | Unit                           | PE5      |        |                    |  |
| Date                                            | 9/23/2020            |                |  |  | Serial Number:                 | 22248463 |        |                    |  |
| Monitor Pathlength, L1                          |                      |                |  |  | Emission Outlet Pathlength, L2 |          |        |                    |  |
| Monitoring System Output Path Length Corrected? |                      |                |  |  | No                             | X        | No     | Taper Ratio: 1.000 |  |

|                         |  |           |       |                        |  |           |       |
|-------------------------|--|-----------|-------|------------------------|--|-----------|-------|
| Actual Neutral: Density |  | Opacity % |       | Path Adjusted: Density |  | Opacity % |       |
| Low Range               |  |           | 18.00 | Low Range              |  |           | 18.00 |
| Mid Range               |  |           | 25.60 | Mid Range              |  |           | 25.60 |
| High Range              |  |           | 44.50 | High Range             |  |           | 44.50 |

| Run Number                                                                                                                | Time/Date<br>9/23/2020 | Calibration filter Value<br>(Path adjusted Percent Opacity) |       |      | Instrument Reading<br>(Opacity), % |     | Arithmetic Difference<br>(Opacity) percent |       |       |
|---------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------|-------|------|------------------------------------|-----|--------------------------------------------|-------|-------|
|                                                                                                                           |                        | Low                                                         | Mid   | High | Low                                | Mid | High                                       |       |       |
| 1-Low                                                                                                                     | 14:01                  |                                                             | 18.00 | %    | 18.12                              | %   | -0.12                                      |       |       |
| 2-Mid                                                                                                                     | 14:05                  |                                                             | 25.60 | %    | 25.58                              | %   |                                            | 0.02  |       |
| 3-High                                                                                                                    | 14:09                  |                                                             | 44.50 | %    | 44.65                              | %   |                                            |       | -0.15 |
| 4-Low                                                                                                                     | 14:13                  |                                                             | 18.00 | %    | 18.01                              | %   | -0.01                                      |       |       |
| 5-Mid                                                                                                                     | 14:16                  |                                                             | 25.60 | %    | 25.80                              | %   |                                            | -0.20 |       |
| 6-High                                                                                                                    | 14:19                  |                                                             | 44.50 | %    | 44.63                              | %   |                                            |       | -0.13 |
| 7-Low                                                                                                                     | 14:22                  |                                                             | 18.00 | %    | 18.00                              | %   | 0.00                                       |       |       |
| 8-Mid                                                                                                                     | 14:25                  |                                                             | 25.60 | %    | 25.75                              | %   |                                            | -0.15 |       |
| 9-High                                                                                                                    | 14:28                  |                                                             | 44.50 | %    | 44.78                              | %   |                                            |       | -0.28 |
| 10-Low                                                                                                                    | 14:31                  |                                                             | 18.00 | %    | 18.14                              | %   | -0.14                                      |       |       |
| 11-Mid                                                                                                                    | 14:34                  |                                                             | 25.60 | %    | 25.57                              | %   |                                            | 0.03  |       |
| 12-High                                                                                                                   | 14:37                  |                                                             | 44.50 | %    | 44.79                              | %   |                                            |       | -0.29 |
| 13-Low                                                                                                                    | 14:40                  |                                                             | 18.00 | A    | 18.12                              | %   | -0.12                                      |       |       |
| 14-Mid                                                                                                                    | 14:43                  |                                                             | 25.60 | %    | 25.58                              | %   |                                            | 0.02  |       |
| 15-High                                                                                                                   | 14:46                  |                                                             | 44.50 | %    | 44.82                              | %   |                                            |       | -0.32 |
| Arithmetic Mean (Equation 1-2) X<br><br>X<br><br>Confidence Coefficient (Equation 1-4) CC<br><br>Calibration Error X + CC |                        |                                                             |       |      |                                    |     | X                                          | X     | X     |
|                                                                                                                           |                        |                                                             |       |      |                                    |     |                                            |       |       |
|                                                                                                                           |                        |                                                             |       |      |                                    |     |                                            |       |       |
|                                                                                                                           |                        |                                                             |       |      |                                    |     |                                            |       |       |
|                                                                                                                           |                        |                                                             |       |      |                                    |     |                                            |       |       |



**APPENDIX E**

**WEEKLY MAINTENANCE**

## Opacity Weekly Maintenance Summary Report

**Company:** New York City D.E.P.  
North River Wastewater Treatment Plant  
New York, NY 10031



**Report Name:** 3rd Quarter 2020

**Start of Report** 7/1/2020

**End of Report:** 9/3/2020

**Validation:** Weekly Maintenance

| Date      | Location    | Check Alignment | Clean and Check Filter | Check Blower Path | Clean Reflector Lens | Clean Glass on Head Side of Unit |
|-----------|-------------|-----------------|------------------------|-------------------|----------------------|----------------------------------|
| 7/1/2020  | All Engines | Done            | Done                   | Done              | Done                 | Done                             |
| 7/9/2020  | All Engines | Done            | Done                   | Done              | Done                 | Done                             |
| 7/16/2020 | All Engines | Done            | Done                   | Done              | Done                 | Done                             |
| 7/21/2020 | All Engines | Done            | Done                   | Done              | Done                 | Done                             |
| 7/29/2020 | All Engines | Done            | Done                   | Done              | Done                 | Done                             |
| 8/6/2020  | All Engines | Done            | Done                   | Done              | Done                 | Done                             |
| 8/15/2020 | All Engines | Done            | Done                   | Done              | Done                 | Done                             |
| 8/20/2020 | All Engines | Done            | Done                   | Done              | Done                 | Done                             |
| 8/28/2020 | All Engines | Done            | Done                   | Done              | Done                 | Done                             |
| 9/4/2020  | All Engines | Done            | Done                   | Done              | Done                 | Done                             |
| 9/18/2020 | All Engines | Done            | Done                   | Done              | Done                 | Done                             |
| 9/23/2020 | All Engines | Done            | Done                   | Done              | Done                 | Done                             |

\*1: BE2, BE5, PE1, PE2, PE4, PE5

## **APPENDIX F**

### **NEUTRAL DENSITY AUDIT FILTERS CERTIFICATION**



# CAL CHECK

11600 Black Horse Run, Raleigh, North Carolina 27613 Phone (919) 847-1898 FAX (919) 847-8005

## REPORT OF CERTIFICATION OF NEUTRAL DENSITY AUDIT FILTERS

Report prepared for: **Louis Berger Group**

Date of Filter Certification: **June 30, 2020**

Date of Filter Expiration: **June 29, 2021**

Monitor Make/Model: **Land 4500 MKII**

Audit Device/Filter Slot Angle of Incidence: **5 Degrees**  
Path-Length Correction: **0.500 (Straight Stack)**

**Table 1-1: Individual Filter Certification Data**

| Serial Number | Opacity Value (%) | Transmittance (%) | Optical Density | Previous Opacity (%) | Change in Opacity (%) | Accuracy (%) |
|---------------|-------------------|-------------------|-----------------|----------------------|-----------------------|--------------|
| <b>ZH64</b>   | <b>18.0</b>       | <b>82.0</b>       | <b>0.0863</b>   | <b>17.8</b>          | <b>0.2</b>            | <b>± 0.5</b> |
| <b>ZH65</b>   | <b>25.6</b>       | <b>74.4</b>       | <b>0.1285</b>   | <b>25.4</b>          | <b>0.2</b>            | <b>± 0.5</b> |
| <b>ZH66</b>   | <b>44.5</b>       | <b>55.5</b>       | <b>0.2557</b>   | <b>44.4</b>          | <b>0.1</b>            | <b>± 0.5</b> |

**Table 1-2: Individual Filter Certification Data @ 525 nM**

| Serial Number | Opacity Value (%) | Transmittance (%) | Optical Density |
|---------------|-------------------|-------------------|-----------------|
| <b>ZH64</b>   | <b>18.2</b>       | <b>81.8</b>       | <b>0.0872</b>   |
| <b>ZH65</b>   | <b>26.0</b>       | <b>74.0</b>       | <b>0.1308</b>   |
| <b>ZH66</b>   | <b>45.0</b>       | <b>55.0</b>       | <b>0.2596</b>   |

  
**Eileen Rosenquest**  
Instrument Operator

**\*\*See second page for Instrument Information and Details of Certification\*\***





# CAL CHECK

## REPORT OF CERTIFICATION OF NEUTRAL DENSITY AUDIT FILTERS(Cont.)

Report prepared for: **Louis Berger Group**

### ▪ **Calibration of Spectrophotometer**

#### **Instrument:**

Spectrophotometer: Varian Cary 50 Serial Number: EL0309-7553

Testing Range: 380nm to 780nm

#### **SRM Reference Material:**

Calibration Filters: NIST 930D SRM Serial No's: 90-CALCK: 30-1591; 20-1591; 10-1591

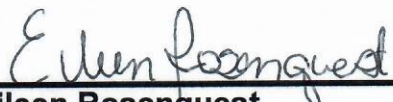
Date of SRM Certification: 01/31/19 Laboratory Environment: 72 deg F +/- 4 deg F

### ▪ **Description of Certification**

Cal Check certifies filters per 40 CFR Part 60, Appendix B, "Performance Specification 1", section 7.1.2. Opacity values are determined and assigned to each filter by use of a laboratory-based spectrophotometer exceeding the specifications set forth in section 6.3 of Performance Specification 1, and certified accurate daily using National Institute of Standards and Technology (NIST) 930D Standard Reference Materials (SRM).

Each opacity audit filter is placed into the sample chamber at an angle equal to the corresponding opacity monitors' audit device or filter slot. Once positioned, each filter is analyzed (or scanned) from 380nm to 780nm, rotated 90 degrees in the plane of the glass surface and analyzed again from 380nm to 780nm. Once all the data has been accumulated, averaged transmission values at 10nm intervals are multiplied by the corresponding weighting factor as specified in Table 1-1 of Performance Specification 1 to obtain the 'Source C Human Eye Response' transmittance. From this value, the single-pass opacity value and optical density value is determined and assigned to the filter.

For newer opacity monitors that employ monochromatic light sources, such as LED's or laser's, and installed after the promulgation of the latest version of Performance Specification 1, Section 7.6 (i.e., those installed and certified after April 9, 2001), the determination of filter opacity can be determined from the operating range of said light source. This provision was established in Performance Specification 1 to account for different types of neutral density glass used for certification of monochromatic light source-based monitors.



**Eileen Rosenquest**  
Instrument Operator

*"Your Clear Choice for Opacity Monitor On-Stack Testing"*  
Visit us on the web at **www.calcheck.com**



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