# MONTEREY PENINSULA WATER SUPPLY PROJECT

## Test Slant Well Long Term Pumping Monitoring Report No. 77

12-October-16 - 19-October-16

Coastal Development Permit #A-3-MRA-14-0050 and
Amendment No. A-3-MRA-14-0050-A1

**October 25, 2016**

PREPARED FOR:
California American Water

CALIFORNIA AMERICAN WATER

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# WATER SUPPLY PROJECT

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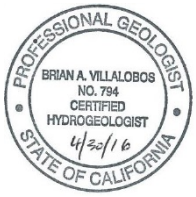


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Note: As they become available additional Appendices, each to include weekly instrument data, will be posted to:

www.watersupplyproject.org

# MONTEREY PENINSULA
# WATER SUPPLY PROJECT

# TEST SLANT WELL LONG TERM PUMPING MONITORING REPORT NO. 77
# 12-OCTOBER-16 - 19-OCTOBER-16

## 1.0 GENERAL

### 1.1 Purpose and Scope

Coastal Development Permit #A-3-MRA-14-0050 dated 8-Dec-14 granted California American Water Company (CalAm) permission for development consisting of: Construction, operation and decommissioning of a test slant well at the CEMEX sand mining facility in the City of Marina and beneath Monterey Bay in the County of Monterey. Special condition 11, "Protection of Nearby Wells", of that permit requires groundwater monitoring of a minimum of four wells on the CEMEX site within 2,000 ft of the test well and one or more offsite wells to record water and salinity levels (see Appendix A-1).

### 1.2 Monitoring Well Construction

During the period from December 2014 to March 2015, four monitoring well clusters were constructed (MW-1, MW-3, MW-4, and MW-5) with each cluster consisting of three monitoring wells completed at different depth intervals. In addition, four monitoring well clusters (MW-6, MW-8, MW-9, and MW-7) were completed on 5-Apr-15, 29-May-15, 30-Jun-15, and 9-Aug-15. An additional cluster had been planned for construction (MW-10), however, due to inaccessibility the proposed cluster has been removed from the proposed monitoring network. The naming convention for the monitoring wells in each cluster is as follows: MW-1S, MW-1M and MW-1D refer to shallow, middle and deep monitoring zones, respectively, for monitoring well cluster MW-1. In addition, there are several existing wells which are being monitored or are planned to be monitored for water level and salinity: one well at the Monterey Regional Water Pollution Control Agency Plant (MRWPCA Well 1); and one existing well on the CEMEX property (CEMEX North Well). In addition to the already constructed, planned and existing groundwater monitoring wells, a stilling well installed at the north end of CEMEX's dredge pond (CP-1) is also being monitored. The transducer installed in the dredge pond was buried in sand due to winter storms surges in December 2015. Upon CEMEX's request a replacement stilling well and transducer were installed in the dredge pond in July 2016. Data will be included in Figures 2-10 and 3-10 as soon as survey elevations become available.

Table 1 summarizes general technical details of the monitoring wells and Figure 1-1 shows the monitoring well locations.

### 1.3 Baseline Water Level and Water Quality Weekly Monitoring Reports

Weekly reports containing baseline water levels and water quality data have been uploaded to the CalAm project website. A total of seven weekly reports were uploaded providing baseline data for the period: February 19, 2015 through April 22, 2015. Monitoring Reports No. 1 through No. 7 provide baseline data collected prior to initiation of the long-term pumping test.

### 1.4 Test Slant Well Baseline Water Level and Quality Data

A report entitled "TECHNICAL MEMORANDUM - Monterey Peninsula Water Supply Project Baseline Water and Total Dissolved Solids Levels Test Slant Well Area" was prepared on April 20, 2015 and submitted to the Hydrogeologic Working Group (HWG) for review and concurrence. The report provided observations of the trends in water levels and water quality from the data provided weekly in the monitoring reports and included recommendations for a methodology to evaluate changes in water level and water quality trends at MW-4 series in order to comply with the conditions of Coastal Development Permit #A-3-MRA-14-0050. The report is available at: www.watersupplyproject.org

### 1.5 Test Slant Well Long Term Pumping Test Monitoring Reports

This report is part of the second set of weekly monitoring reports required by Coastal Development Permit #A-3-MRA-14-0050 for the Test Slant Well project, providing water level and water quality data from the project monitoring wells. Figure 1-1 shows the location of the monitoring wells. The long-term pumping test of the Test Slant Well commenced on April 22, 2015.

On June 5, 2015, the Test Slant Well was voluntarily shut off so that the HWG could evaluate regional trends in water levels and salinity. During the shut off period, the California Coastal Commission allowed for weekly maintenance pumping of 6-hours per week to maintain the Test Slant Well (TSW) in an operational condition. Long term pumping of the Test Slant Well resumed on October 27, 2015 under Coastal Development Permit Amendment No. A-3-MRA-14-0050-A1 dated 13-Oct-15 (Appendix A-2). This report summarizes monitoring performed for the period 12-October-16 through 19-October-16 and is presented with data collected since the start of the long term pumping test. Each subsequent weekly report will provide an additional seven days of data.

On January 19, 2016 at 11:10 am, the Test Slant Well unexpectedly stopped pumping due to a Pacific Gas & Electric Company (PG&E) low voltage issue in the immediate area. The outage was later resolved

and the Test Slant Well was turned on approximately 22 hours later on January 20, 2016 at 8:51 am. The pump unexpectedly turned off again due to PG&E power interruptions on January 22, 2016 at 11:53 pm for 35 hours, January 30, 2016 at 2:50 am for 8 hours, January 31, 2016 at 3:29 pm for 20 hours, and February 12, 2016 at 2:43 am for 8 hours. The pump was turned off for 29 hours on March 1, 2016 for discharge line repairs. On March 4, 2016 at 10:10 am the pump was again turned off for discharge line repairs. Pumping resumed on May 2, 2016 at 1:22 pm. On May 17, 2016 at 11:59 pm and May 25, 2016 at 1:28 pm the pump turned off due to PG&E power interruptions and pumping resumed 15 hours and 4 hours later, respectively. Power interruptions also occurred on June 3, 2016 at 7:45 am, July 8, 2016 at 6:12 am, and July 14, 2016 at 10:21 am, where the well was off for approximately 1 hour each day. The pump was off for 80 hours beginning on August 13, 2016 at 11:32 am and for 46 hours on October 3, 2016 at 7:55 pm due to PG&E power interruptions.

### 1.6 Test Slant Well Water Quality

Groundwater quality samples were collected from the Test Slant Well on April 8, 2015, prior to initiation of the long term pumping operations, on April 29, 2015, weekly during the Month of May and on June 3, 2015. A summary of the water quality laboratory results from the Test Slant Well are included in Table 2. Since October 27, 2015, water quality data has been collected weekly on average while the well is in operation and is presented in Table 2.

### 1.7 Format of Report

All downloaded pressure transducer data as well as specific conductivity (EC) during the monitoring period are included in Appendix B. Appendix B data is cumulative and only the appended data will be printed in each weekly monitoring report. Figures 2-1 to 2-8 show graphical plots of groundwater elevations for the eight monitoring well clusters (MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9). Figure 2-9 shows groundwater elevations for existing well MRWPCA Well 1. Monitoring of MRWPCA Well 1 ceased due to the pressure transducer failing and the decision to not replace it due to an abundance of well motor lubricant oil in the well. Figures 3-1 through 3-8 show corresponding graphical plots of the specific conductivity for the above-mentioned wells. Figure 2-10 and 3-10 are water levels and specific conductivity for the CEMEX dredge pond, respectively. The dredge pond was breached by the ocean on October 28, 2015 allowing only six more weeks of data before the transducer could not be found. Figure 2-11 and 3-11 are plots of water level elevation and specific conductivity for the CEMEX North Well and Figures 2-12 and 3-12 are water levels and specific conductivity, respectively, for the Test Slant Well.

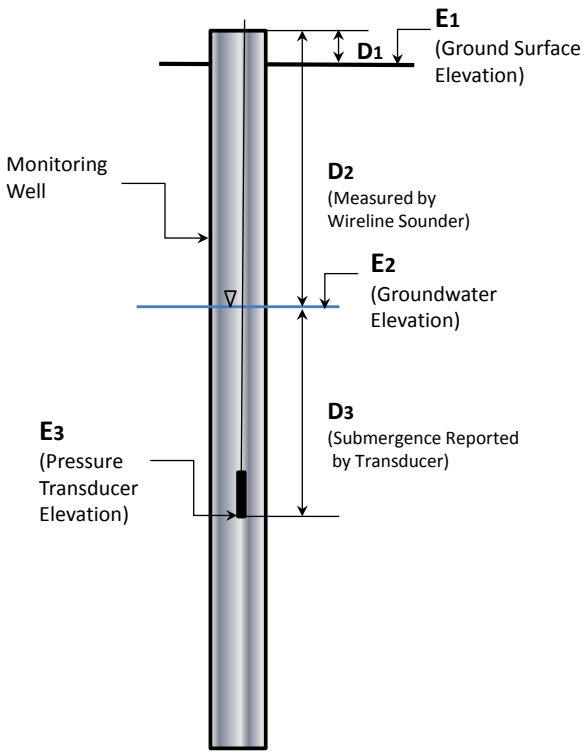
CEMEX's North Well collapsed on November 13, 2015. Monitoring of the North Well continued after the collapse for 15 weeks to evaluate whether water levels would equilibrate. Consistent shallow

groundwater measurements indicate that the well screen is blocked and water levels in the well are no longer representative of the aquifer conditions. Therefore, water level measurements will no longer be collected in the CEMEX North Well.

In compliance with CDP #A-3-MRA-14-0050, the Test Slant Well Long Term Pumping Monitoring Report No. 77 (this report), is the seventy-seventh of the weekly long-term pumping monitoring reports and follows the weekly baseline monitoring reports, the last of which ended on 22-Apr-15 (Baseline Monitoring Report No. 7[1]).

## 2.0 CONVERSION OF TRANSDUCER PRESSURE MEASUREMENTS TO GROUNDWATER ELEVATIONS

Pressure transducer readings were converted to groundwater elevation values (expressed as ft NAVD88) using the setting depth of the pressure transducer and the ground surface elevation at the monitoring well site (see inset). After initially setting a pressure transducer in the well, and after each time a transducer is removed from a well, the transducer setting depth is determined using an electrical wire line sounder (Solinst , Model 101) to establish the depth to water in the well. The transducer elevation is then determined as follows:




$$Transducer\ Elevation\ (E3) = E1 + D1 - D2 - D3$$

Once the transducer elevation has been established, groundwater elevations in ft NAVD88 are calculated from transducer submergence readings (*D3*) (psi converted to ft) and depth to water measurements (*D2*) as follows:

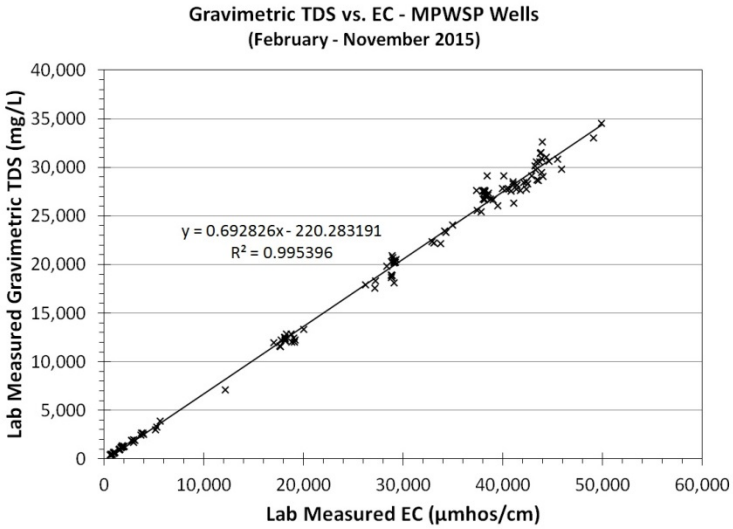
$$Groundwater\ Elevation\ (E2) = E3 + D3$$

MW-1, MW-3, MW-4, MW-5, Dredge Pond, and Test Slant Well reference point elevations (RP) were surveyed on 26-Mar-15. MW-6, MW-7, MW-8, MW-9, and CEMEX North Well RPs were surveyed on

[1] Note: The last of the baseline monitoring reports (Monitoring Report No. 7) covered a five day period (17-22 Apr-15 as the long-term pumping began on 22-Apr-15).

1-Oct-15 and are summarized in Table 1. All elevations are in ft NAVD88 including RP and ground surface elevations. CEMEX South Well, and MRWPCA's Well No. 1 and Well No. 2 ground surface elevations were estimated using Google Earth (see Table 1).

## 3.0 ESTIMATING TOTAL DISSOLVED SOLIDS FROM ELECTRICAL CONDUCTIVITY (EC) MEASUREMENTS




Estimation of TDS from EC utilizes a conversion factor that is specific to a given water chemistry. Based on the normalized EC value (corrected to 25° C), an EC conversion factor may be used to estimate TDS from the product of the temperature-corrected EC value and the TDS:EC correction factor. The factor is calculated by dividing the laboratory measured EC by the laboratory measured TDS using the gravimetric calculated TDS. Accuracy of the TDS:EC conversion factor is improved through collection of on-going direct measurements of TDS in groundwater samples using laboratory gravimetric methods. A plot of well specific laboratory measured EC versus TDS from 133 sampling events (from the Test Slant Well and network monitoring wells) collected between February and November 2015 shows a linear relationship (see inset). The equation of which may be used as a general estimate of TDS from measured EC.

### 3.1 Additional Monitoring Methods

The baseline water level and water quality data indicated that the water quality in the aquifers at MW-3 and MW-4 series show vertical stratification. Therefore, direct correlation between laboratory samples collected by pumping the monitoring wells and conductivity data cannot be made since the pumped samples represent a mixing of waters from the entire screen interval and the transducer records conductivity from a single depth.

To evaluate conductivity data in the MW-4 series, regular groundwater samples are being collected by pumping and compared to previous samples collected by pumping. During the long term test, weekly samples have been collected at the Test Slant Well and MW-4 through May 27, 2015, while the

remaining monitoring wells were sampled monthly. Monthly water quality samples from all well sites were then collected through July 29, 2015. Following restart of the TSW pump, sample collection from the TSW has resumed. Results of the TSW analyses can be found in Table 2.

Data collected from transducers will continue to be plotted. Where no transducers were present, specific conductivity data was collected using a hand-held electrical conductance meter (MW-5 & MW-6). MW-3 series and MW-4 series are the closest inland wells from the Test Slant Well (see Figure 1-1) and show a vertical stratification of water quality.

## FIGURES

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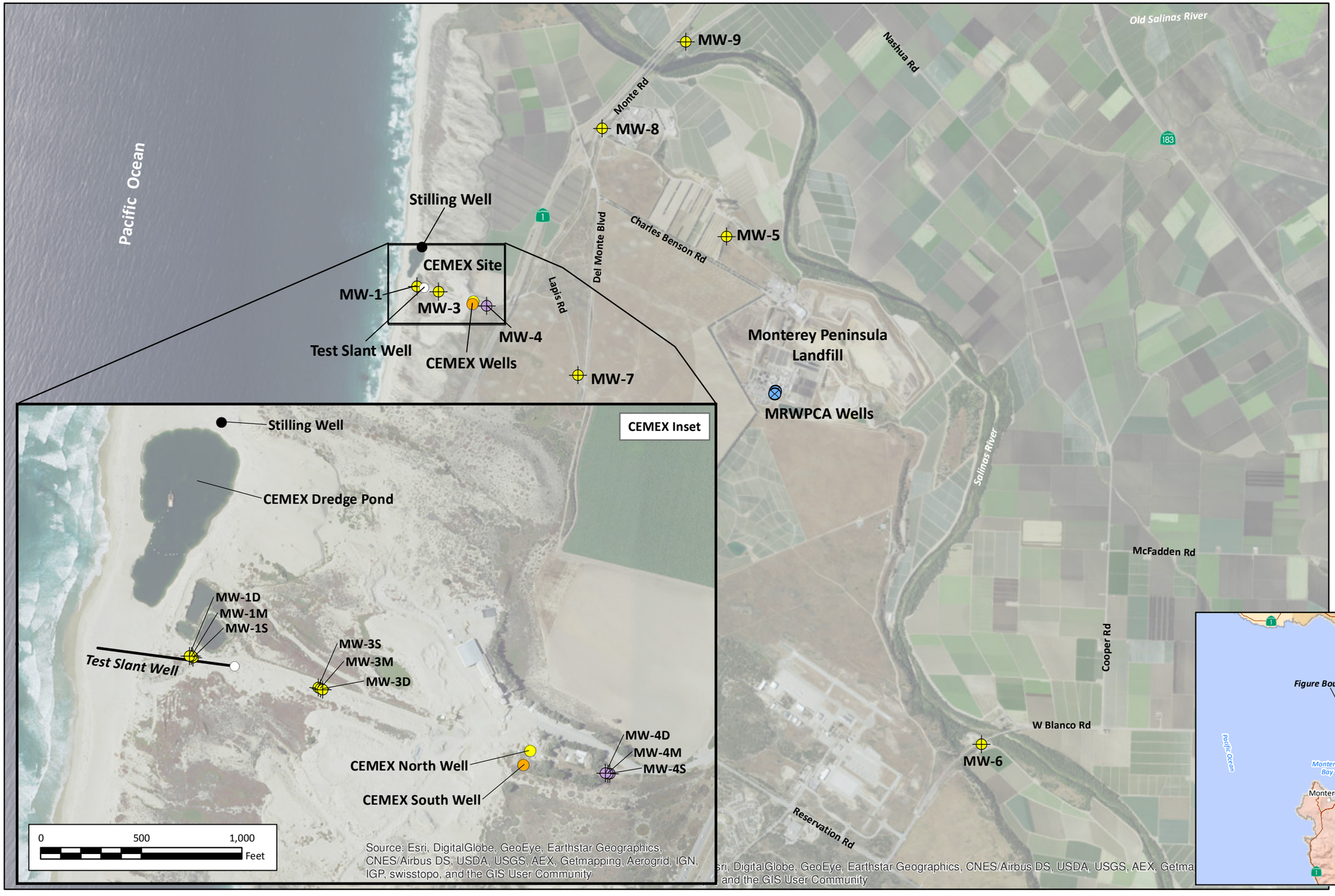
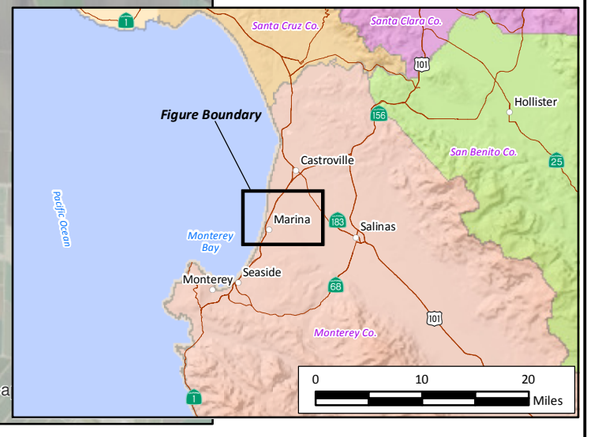
# MPWSP GROUNDWATER MONITORING NETWORK




EXPLANATION

- Monitoring Well Cluster
- Compliance Monitoring Well Cluster
- Inactive Production Well
- CEMEX Well - Inactive (Monitored)
- CEMEX Well - Active (Not Monitored)
- Stilling Well
- Test Slant Well

*Regional Inset*




25-Oct-16

Prepared by: DB. Map Projection: State Plane 1983, Zone IV.

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NORTH

0 1,500 3,000 6,000 Feet

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**Figure 1-1**

W:\GIS_proj\mcwsp_cal_am\rbf_wl_monitoring\Long-Term_Monitoring_Rpt_No77_10-25-16\1_Fig_1-1_MonWells_used_10-25-16.mxd

# Groundwater Elevation in MPWSP MW-1

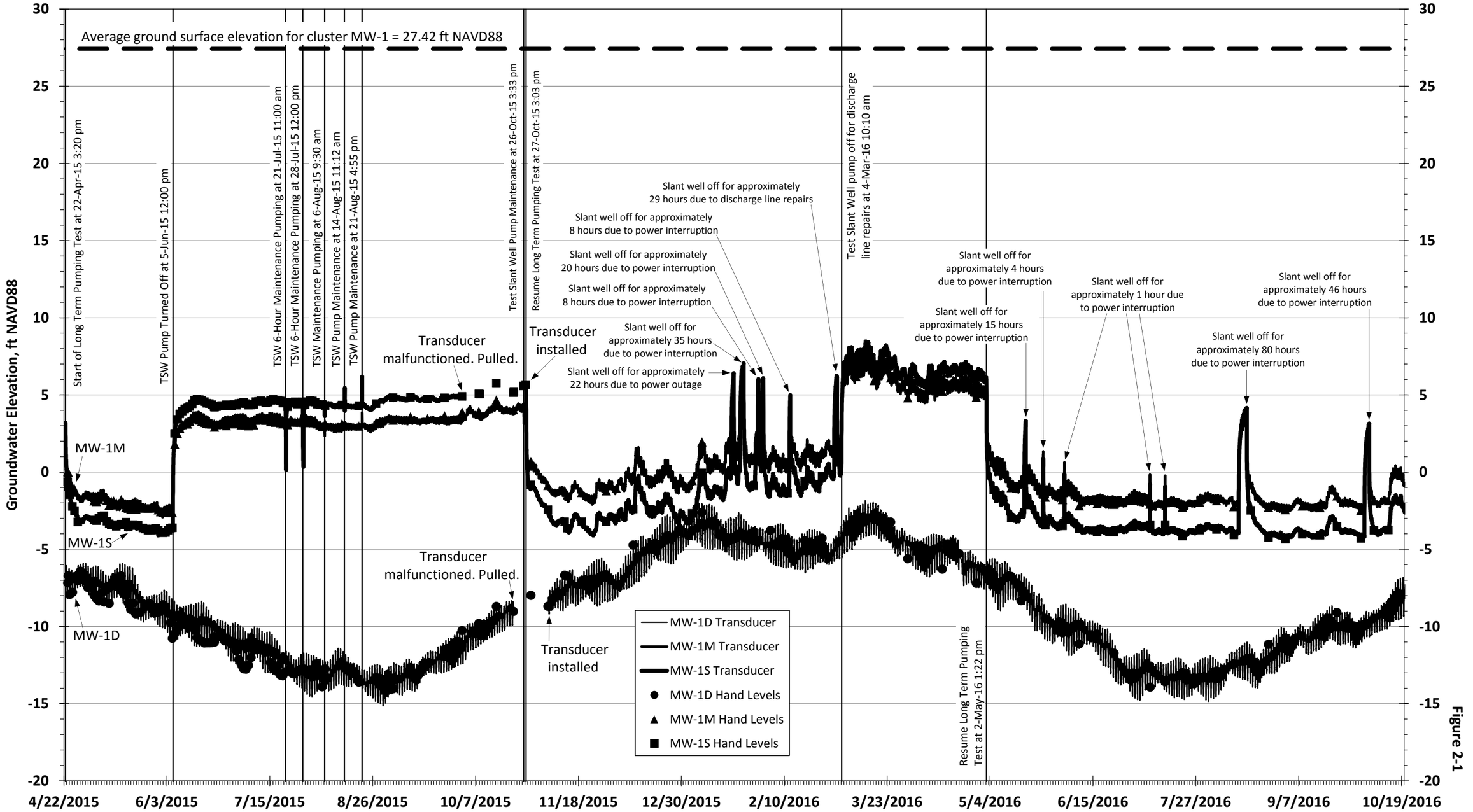


Figure 2-1

# Groundwater Elevation in MPWSP MW-3

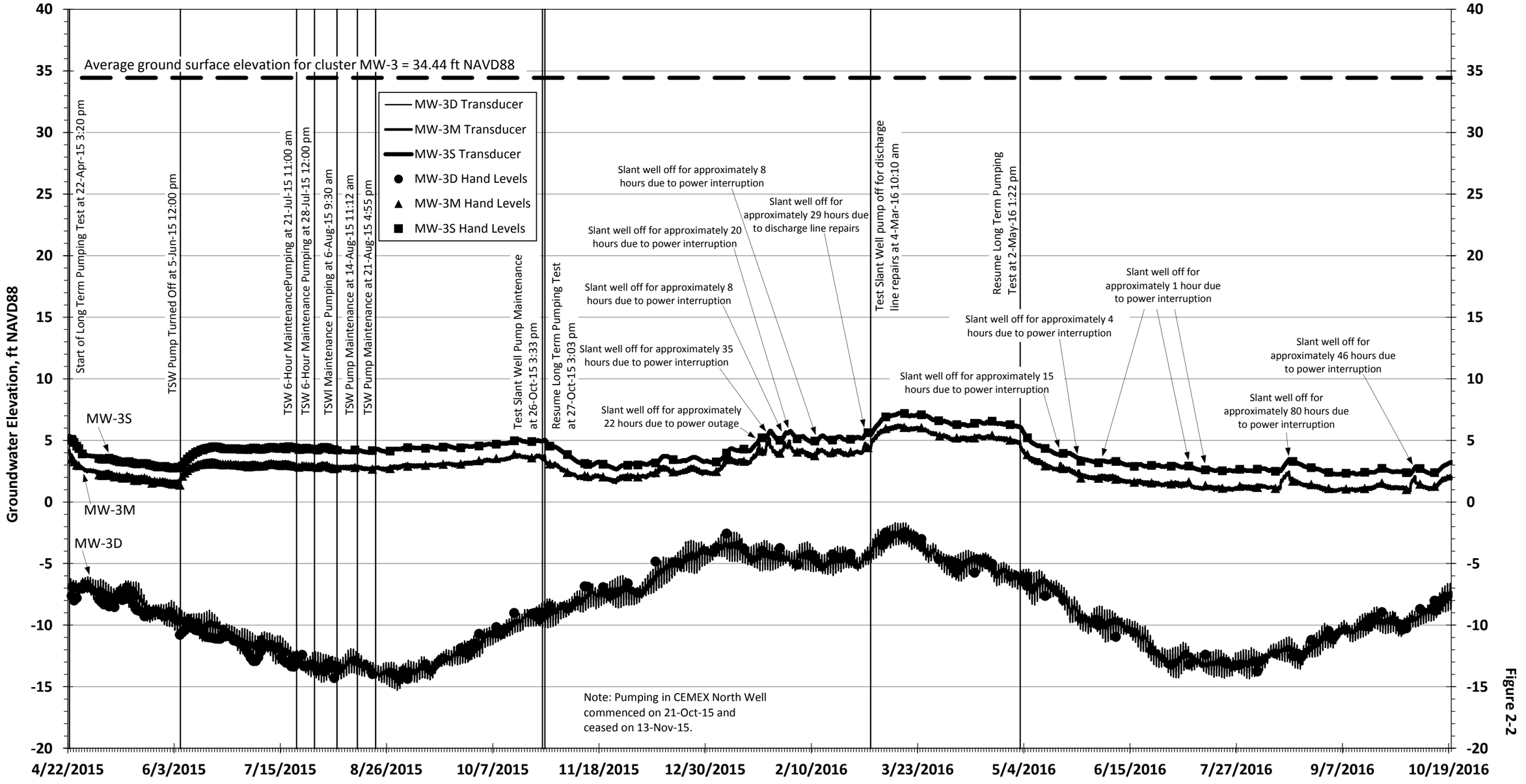


Figure 2-2

# Groundwater Elevation in MPWSP MW-4

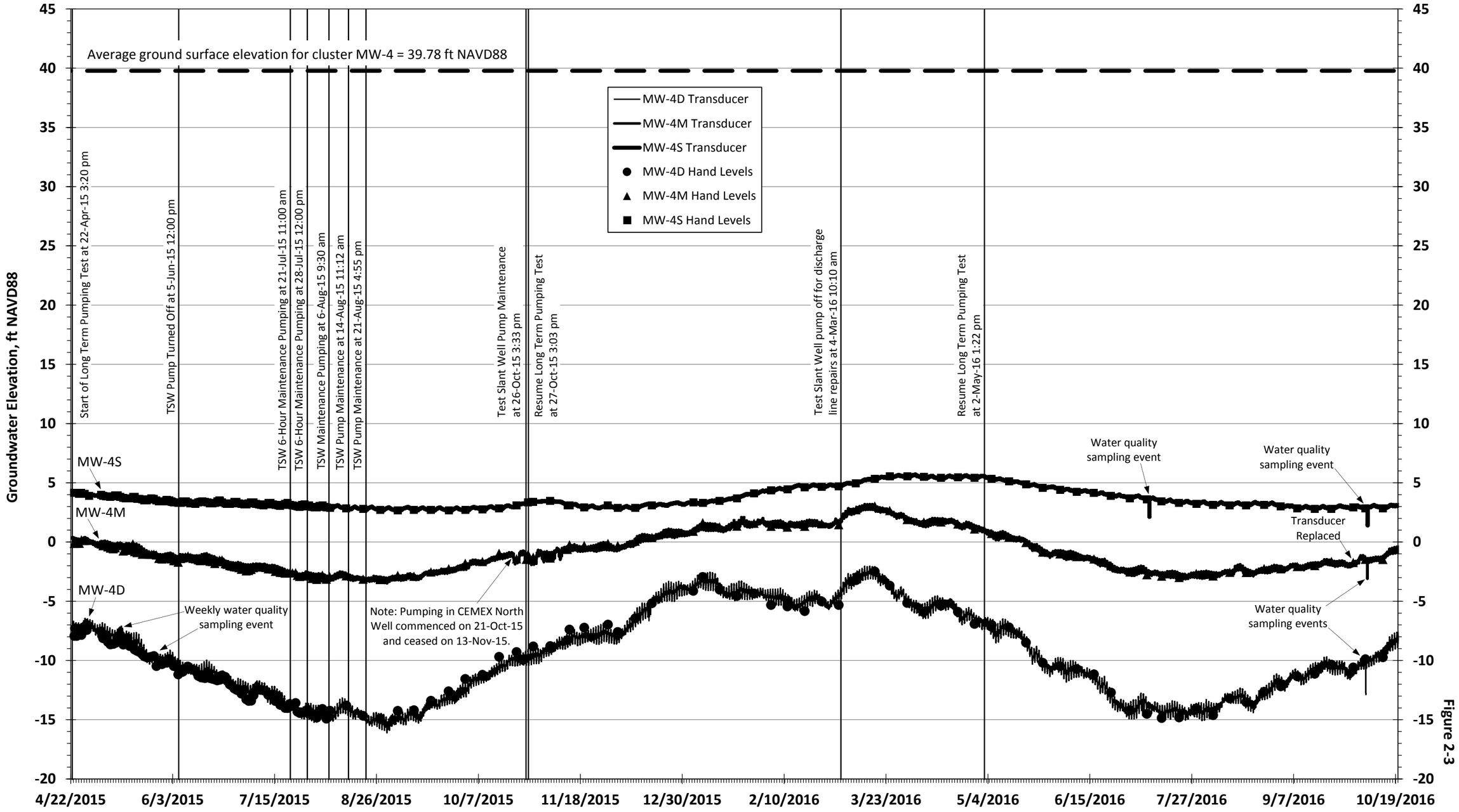


Figure 2-3

# Groundwater Elevation in MPWSP MW-5

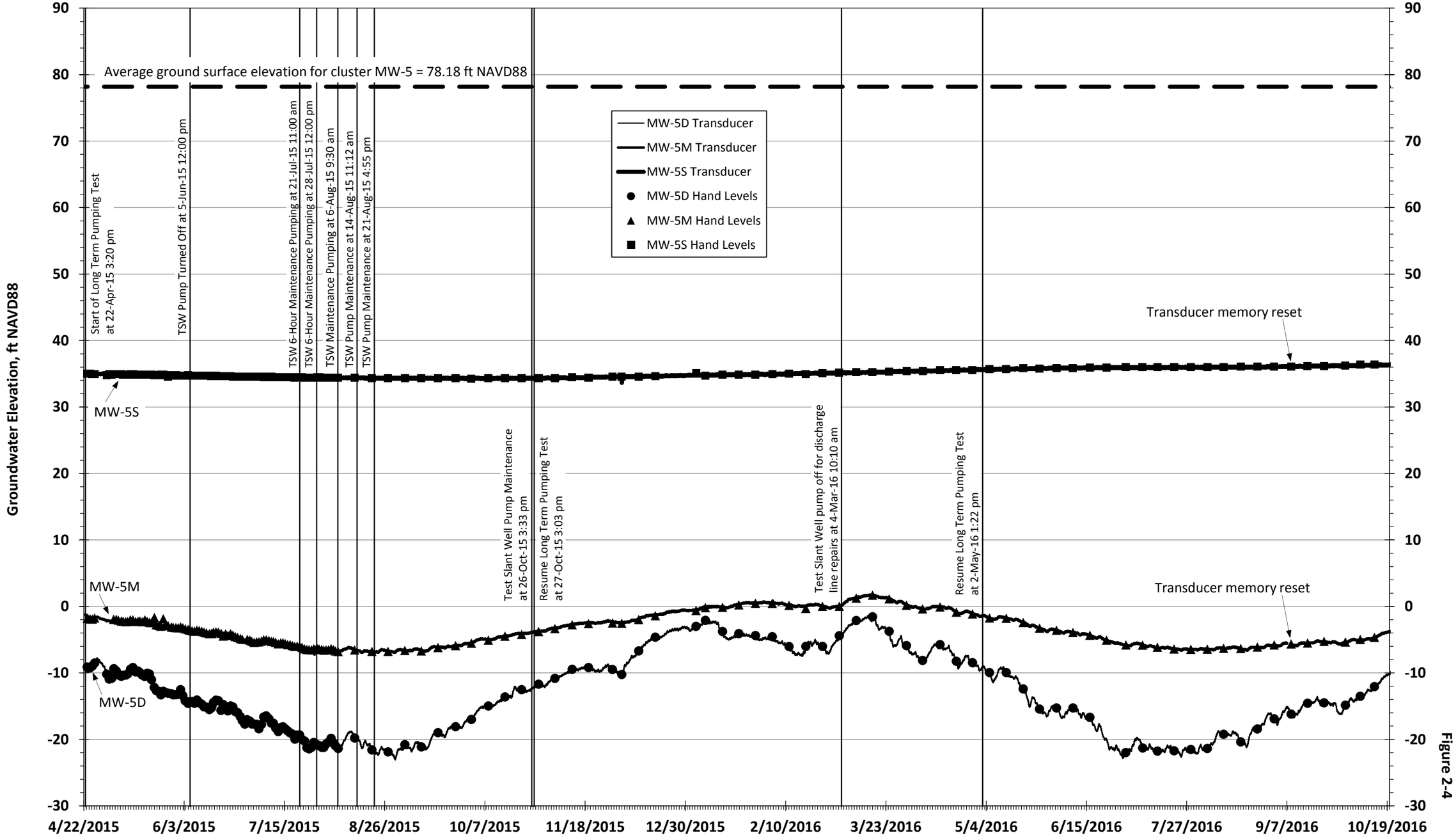


Figure 2-4

# Groundwater Elevation in MPWSP MW-6

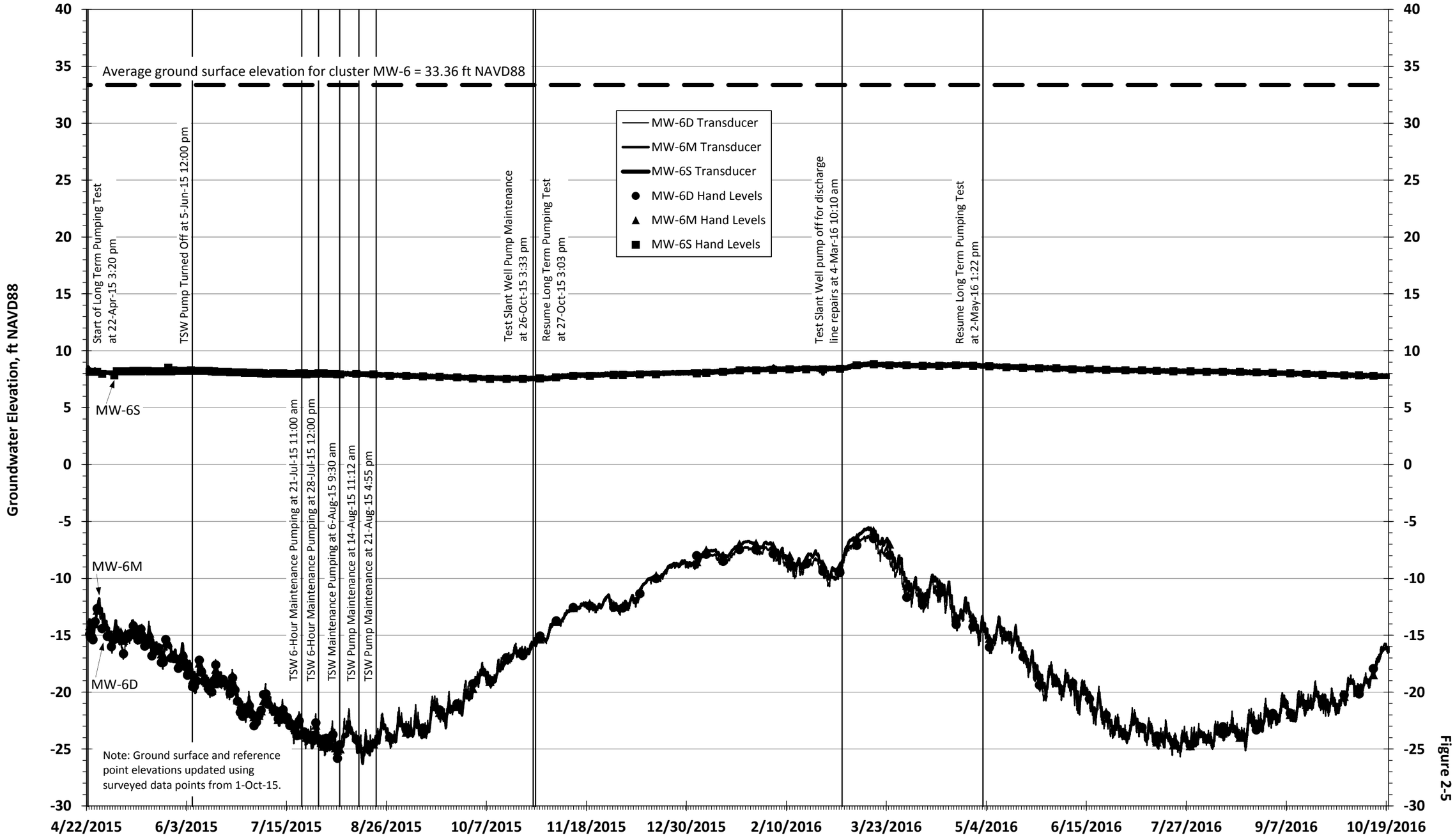


Figure 2-5

# Groundwater Elevation in MPWSP MW-7

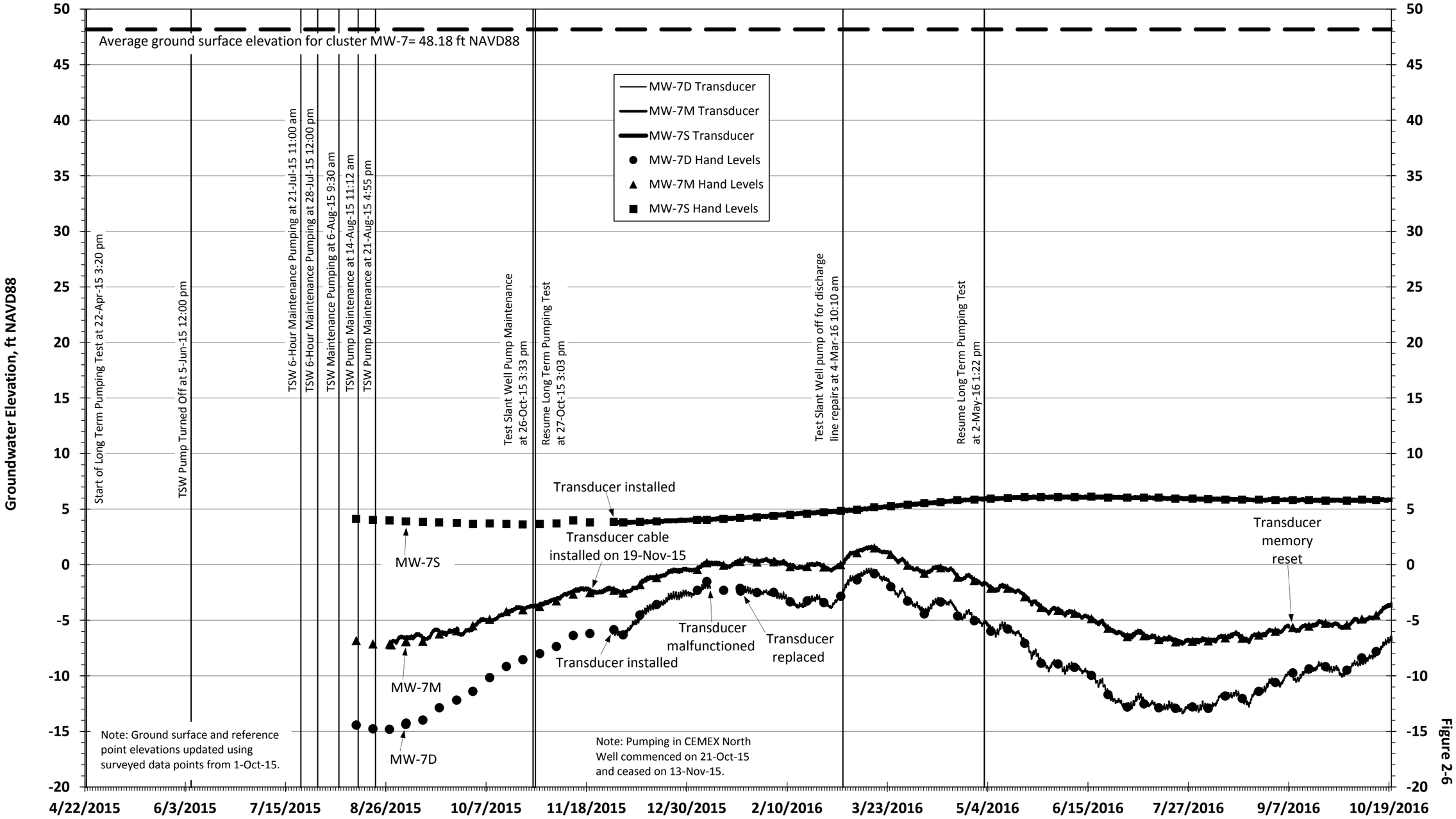


Figure 2-6

# Groundwater Elevation in MPWSP MW-8

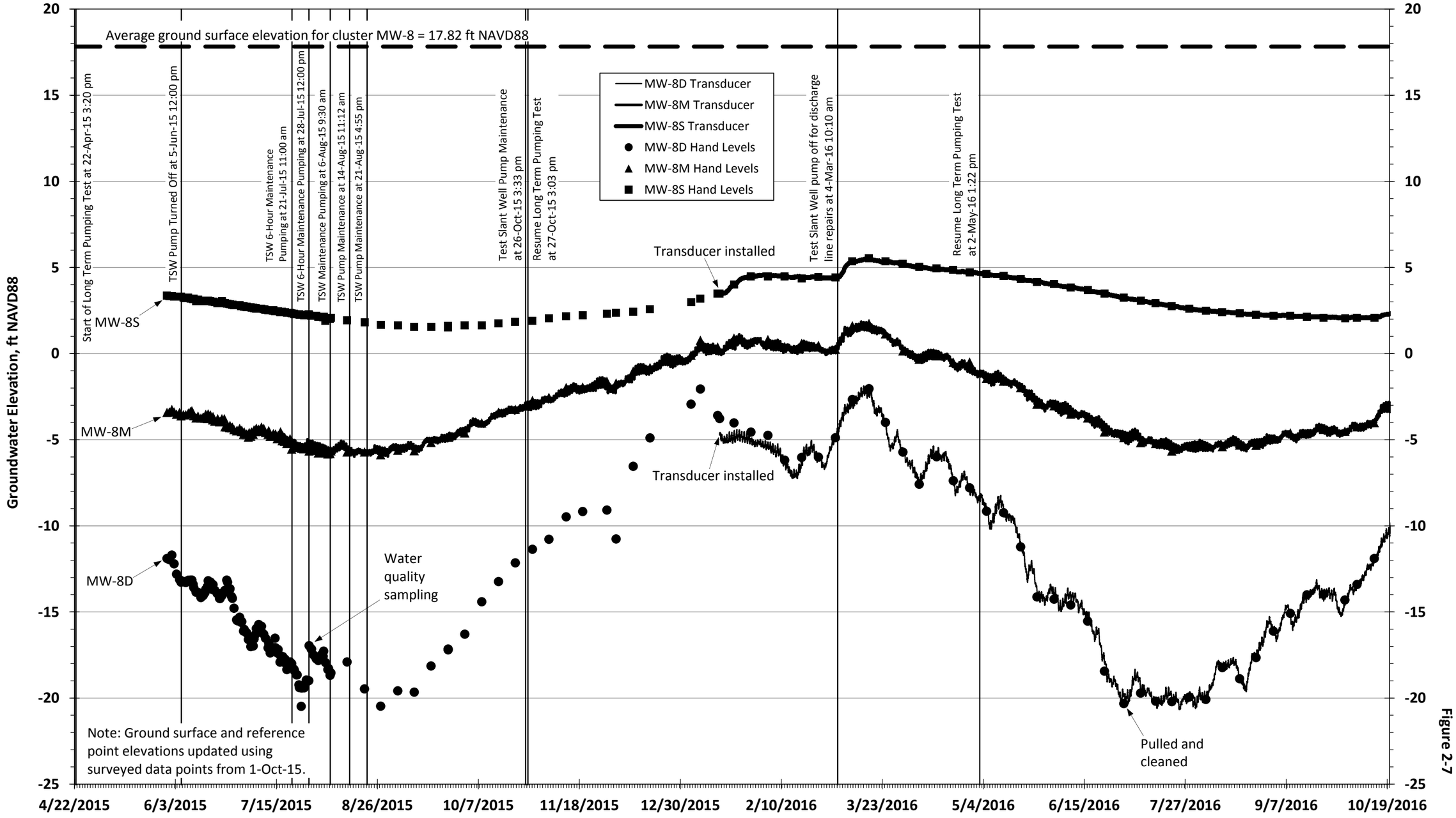


Figure 2-7

# Groundwater Elevation in MPWSP MW-9

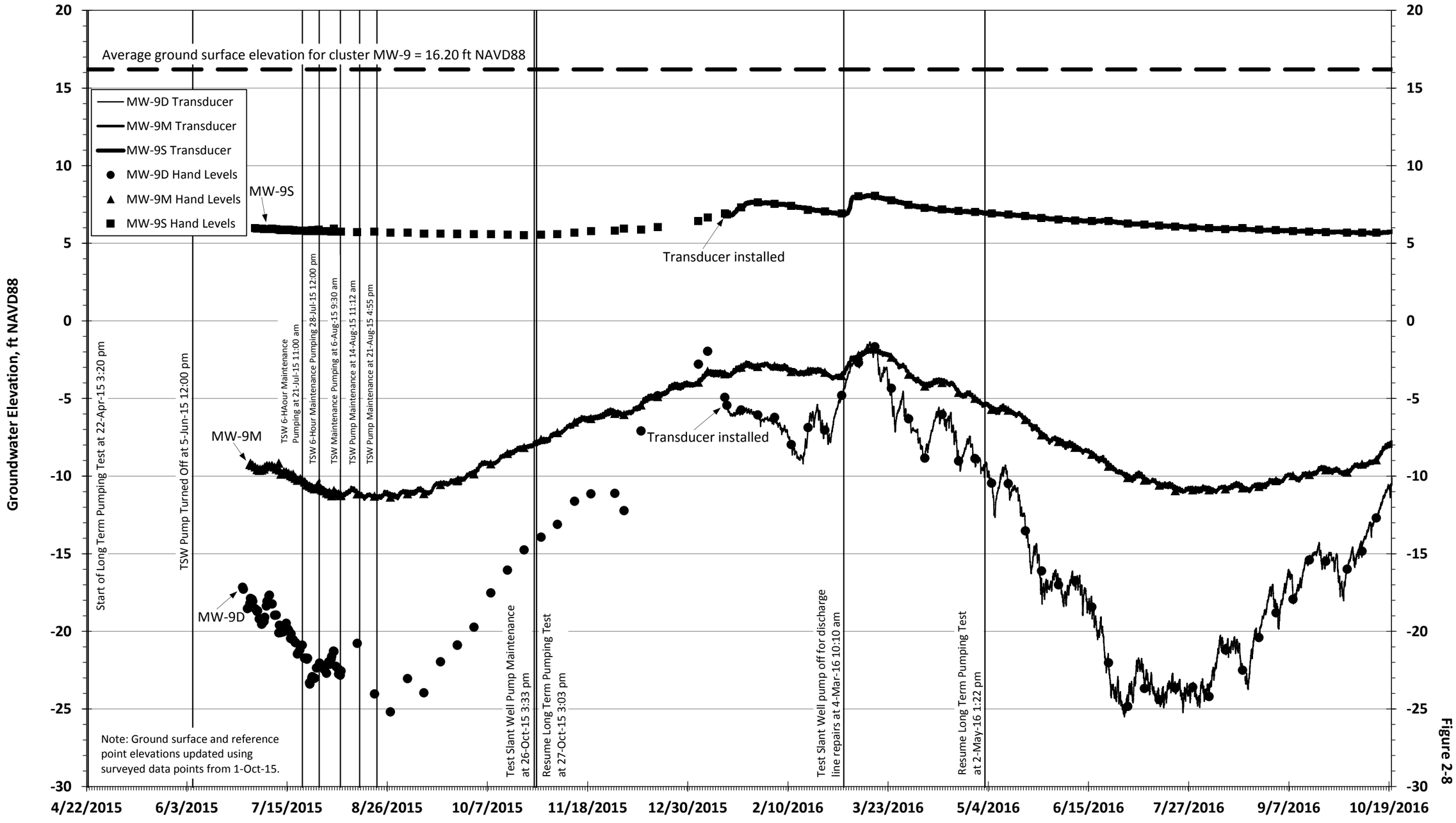


Figure 2-8

# Groundwater Elevation in Monterey Regional Water Pollution Control Agency Wells

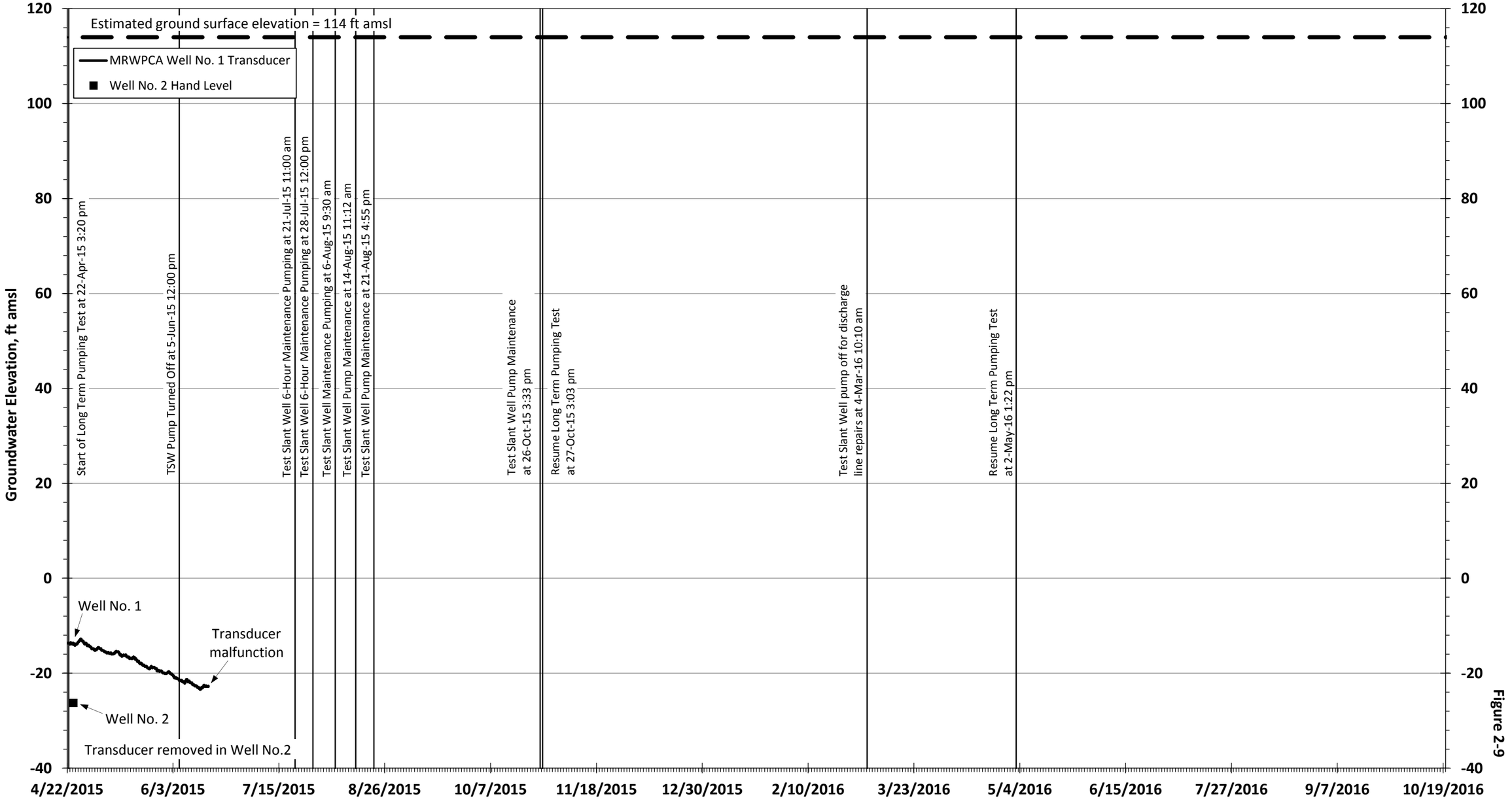


Figure 2-9

# Surface Water Elevation in CEMEX Dredge Pond

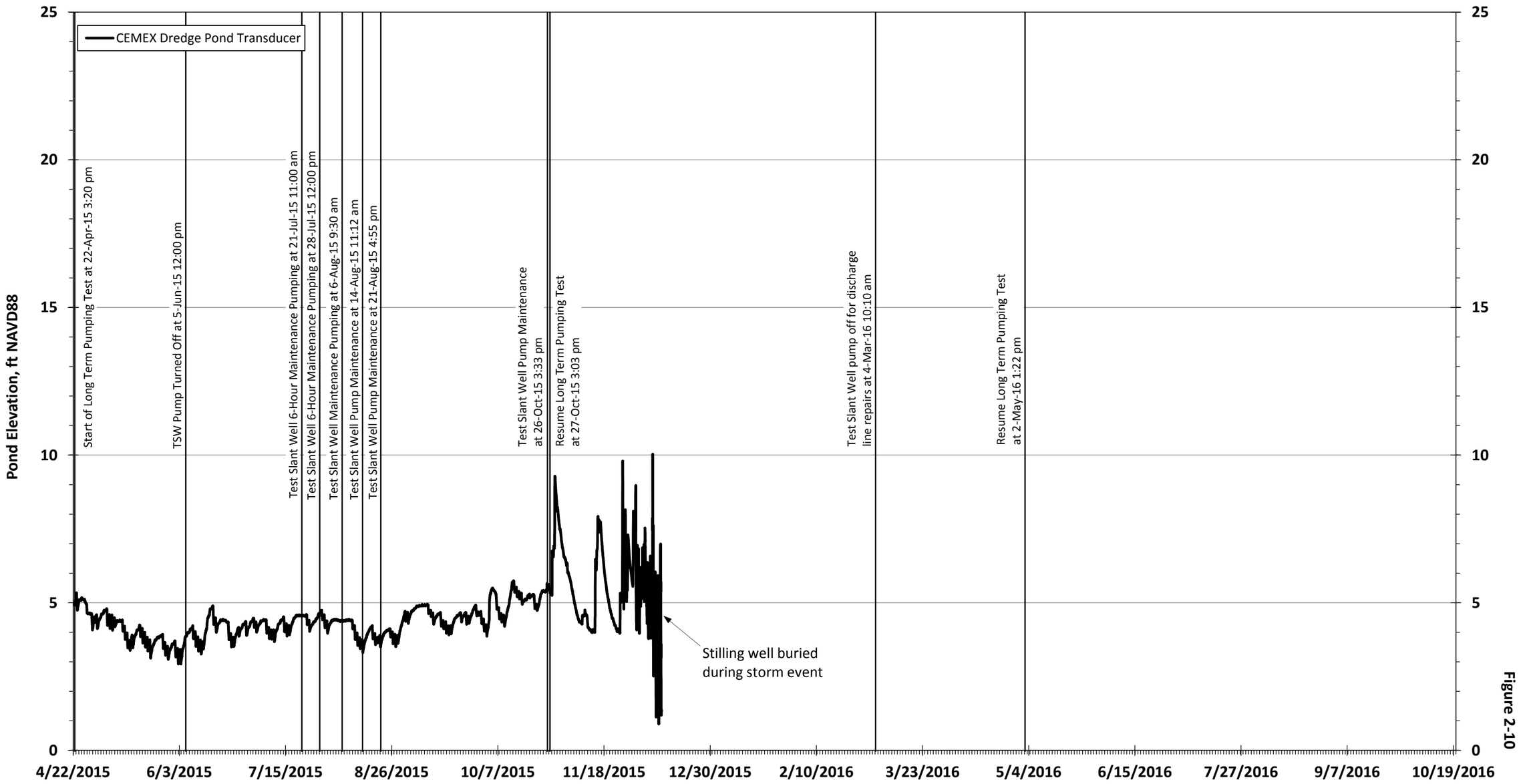


Figure 2-10

# Groundwater Elevation in CEMEX North Well

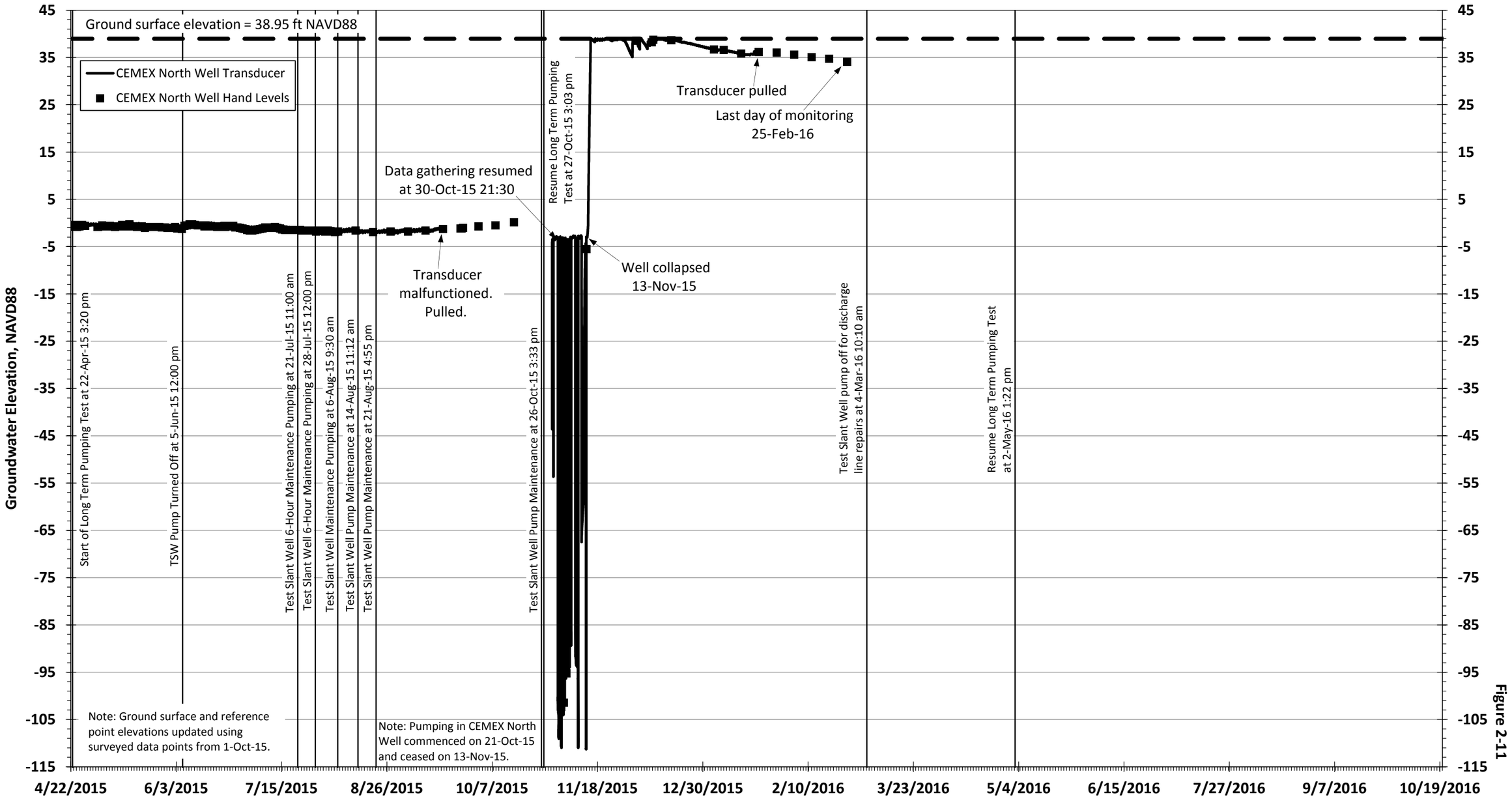


Figure 2-11

# Groundwater Elevation in MPWSP Test Slant Well

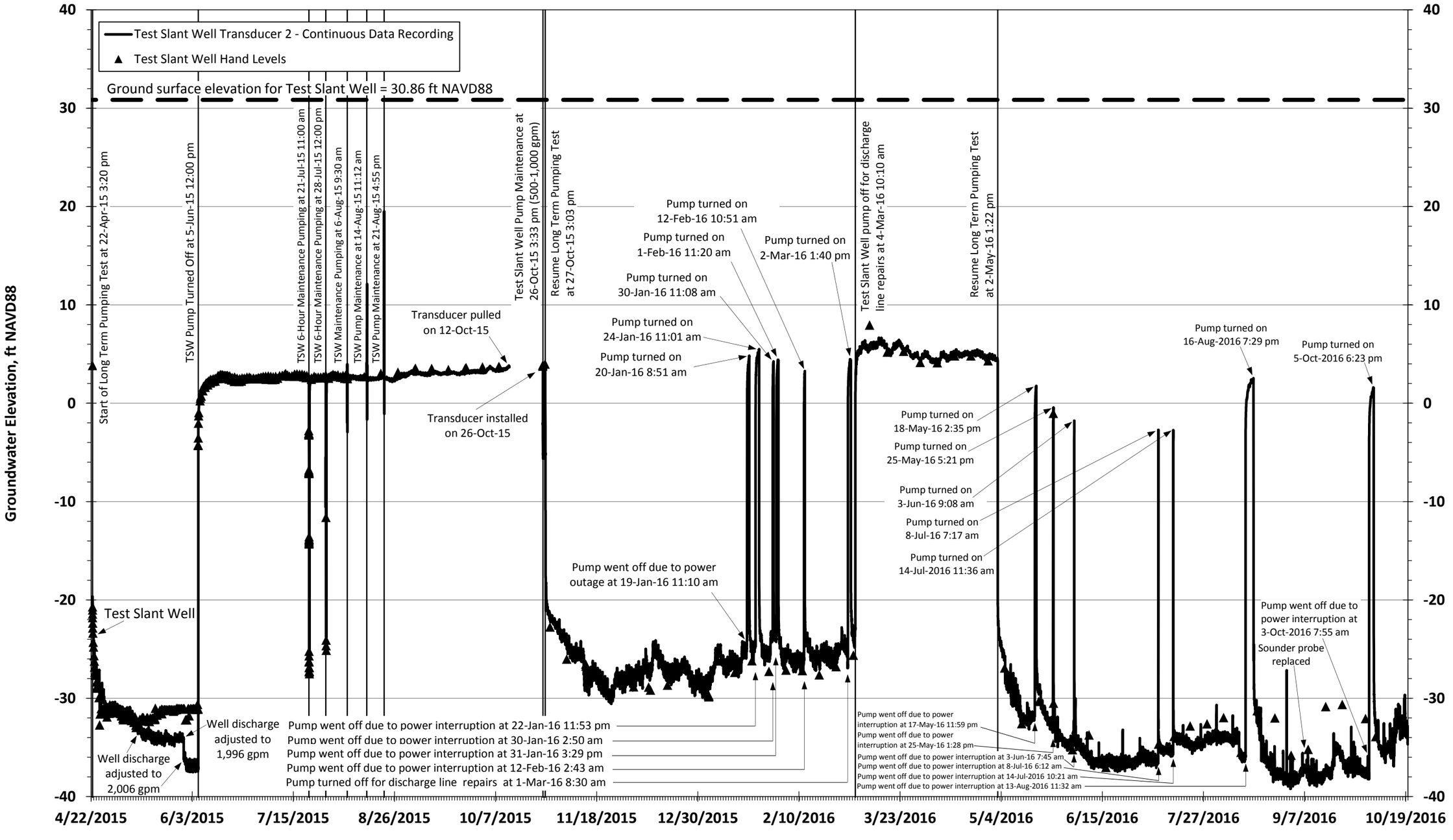


Figure 2-12

# Specific Conductivity in MPWSP MW-1

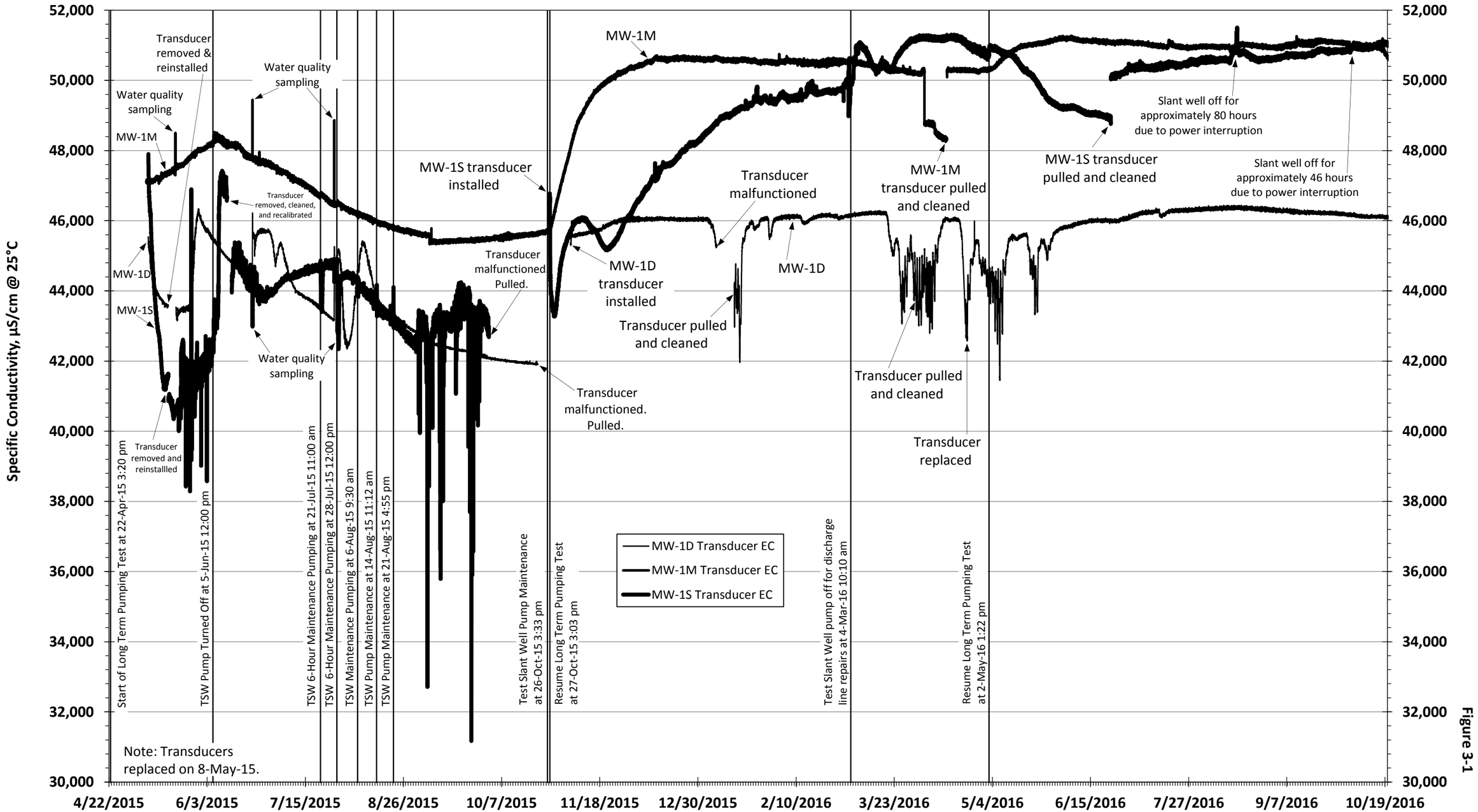


Figure 3-1

# Specific Conductivity in MPWSP MW-3

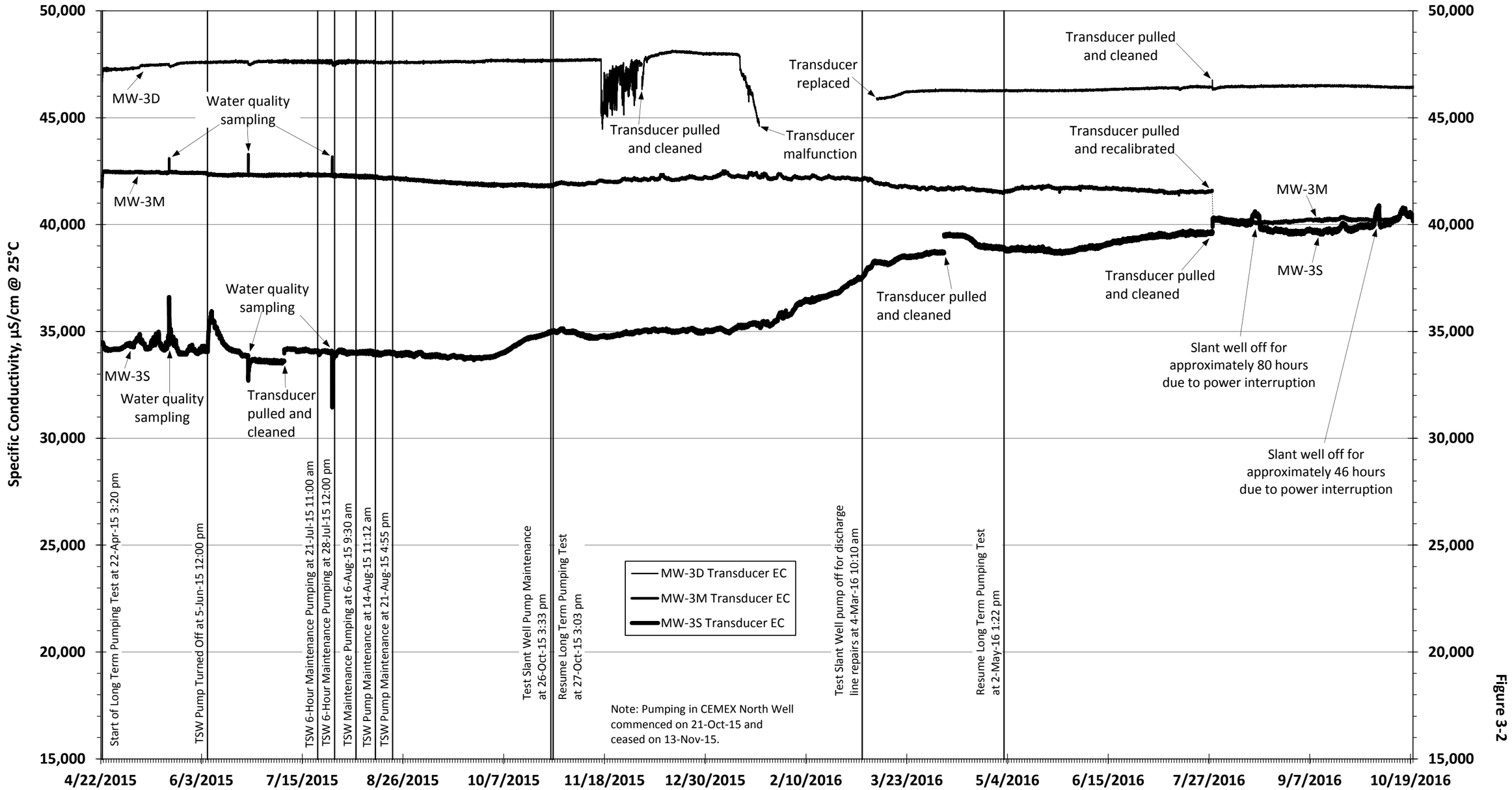


Figure 3-2

# Specific Conductivity in MPWSP MW-4

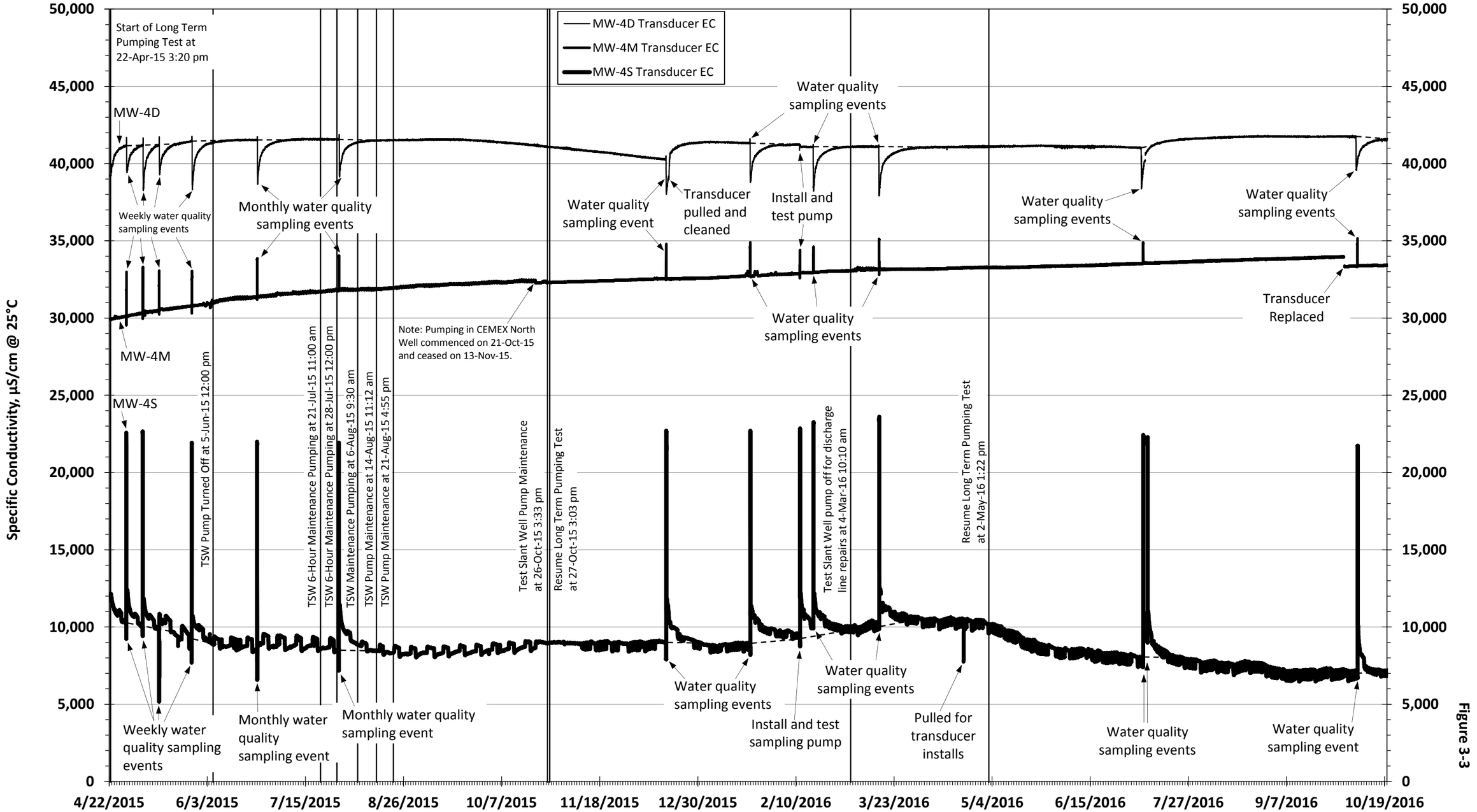


Figure 3-3

# Specific Conductivity in MPWSP MW-5

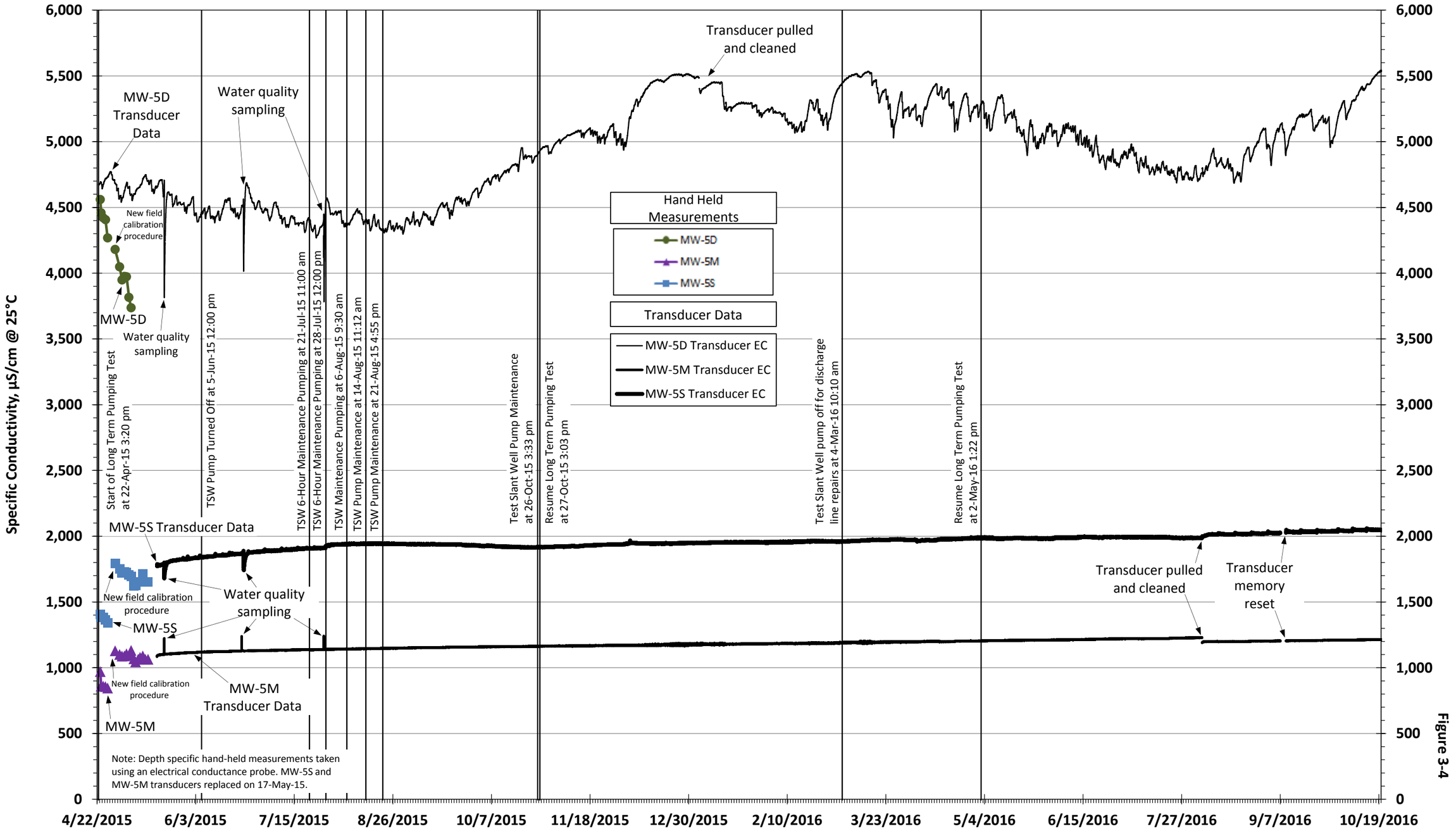


Figure 3-4

# Specific Conductivity in MPWSP MW-6

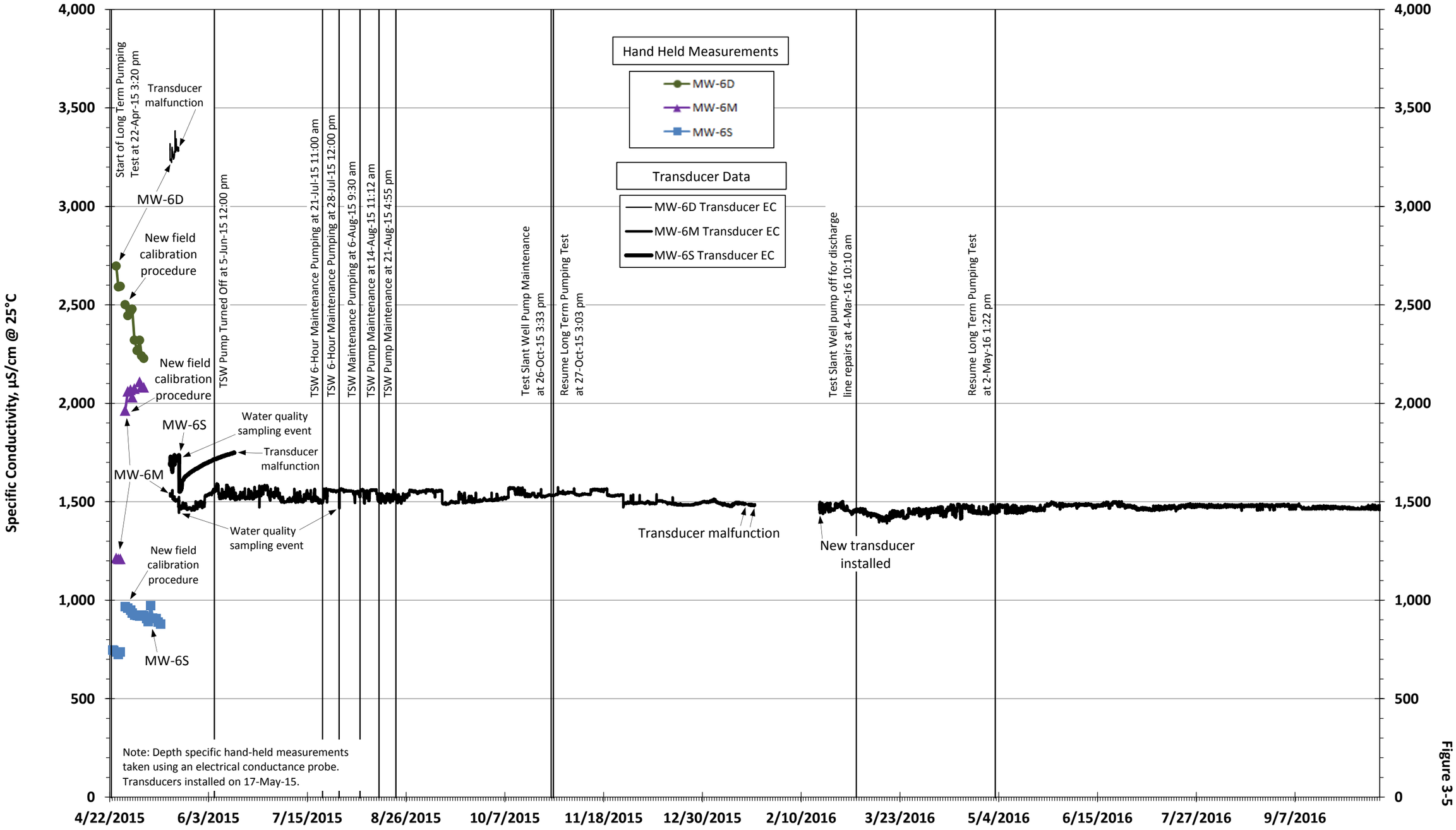


Figure 3-5

# Specific Conductivity in MPWSP MW-7

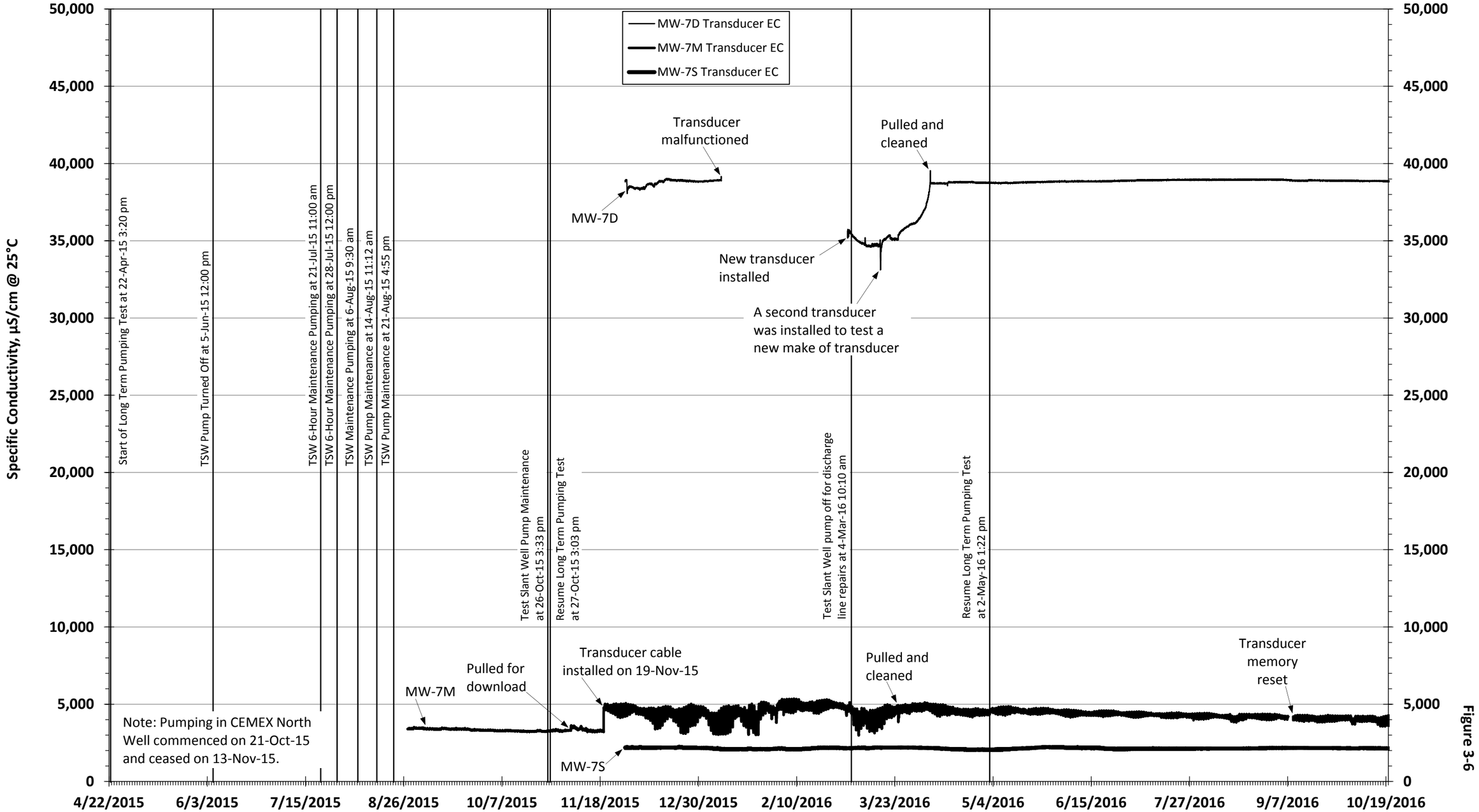


Figure 3-6

# Specific Conductivity in MPWSP MW-8

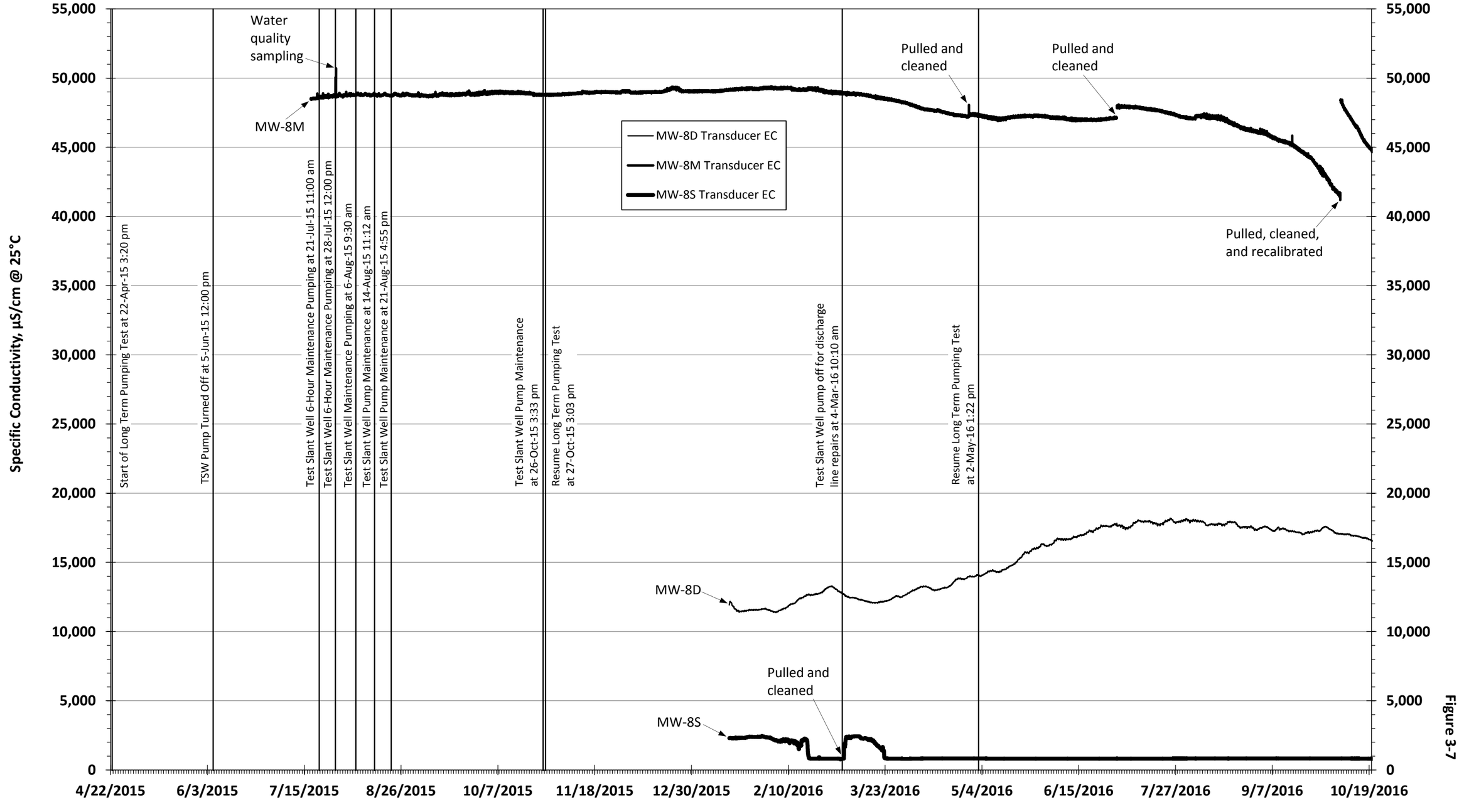


Figure 3-7

# Specific Conductivity in MPWSP MW-9

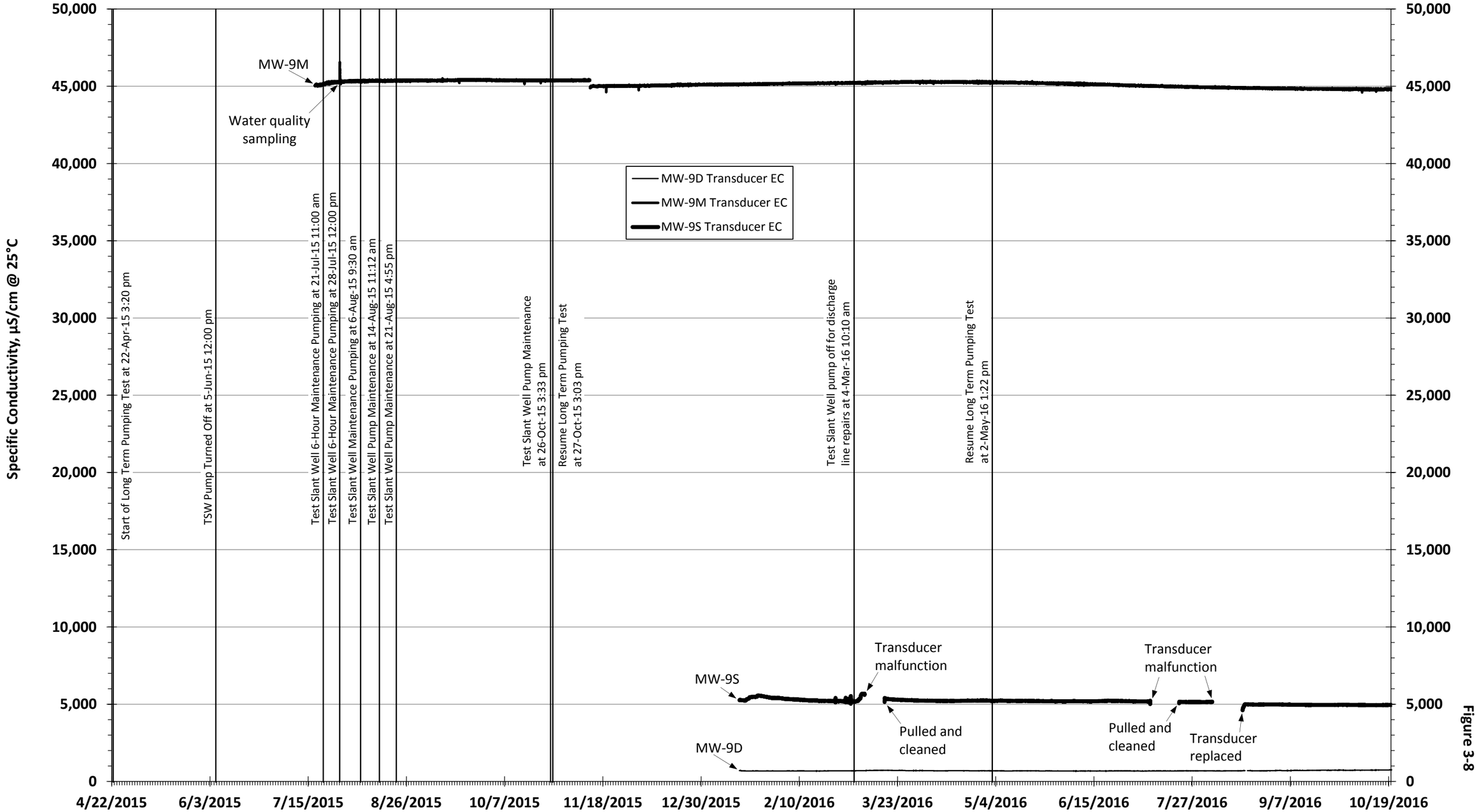


Figure 3-8

# Specific Conductivity in Monterey Regional Water Pollution Control Agency Wells

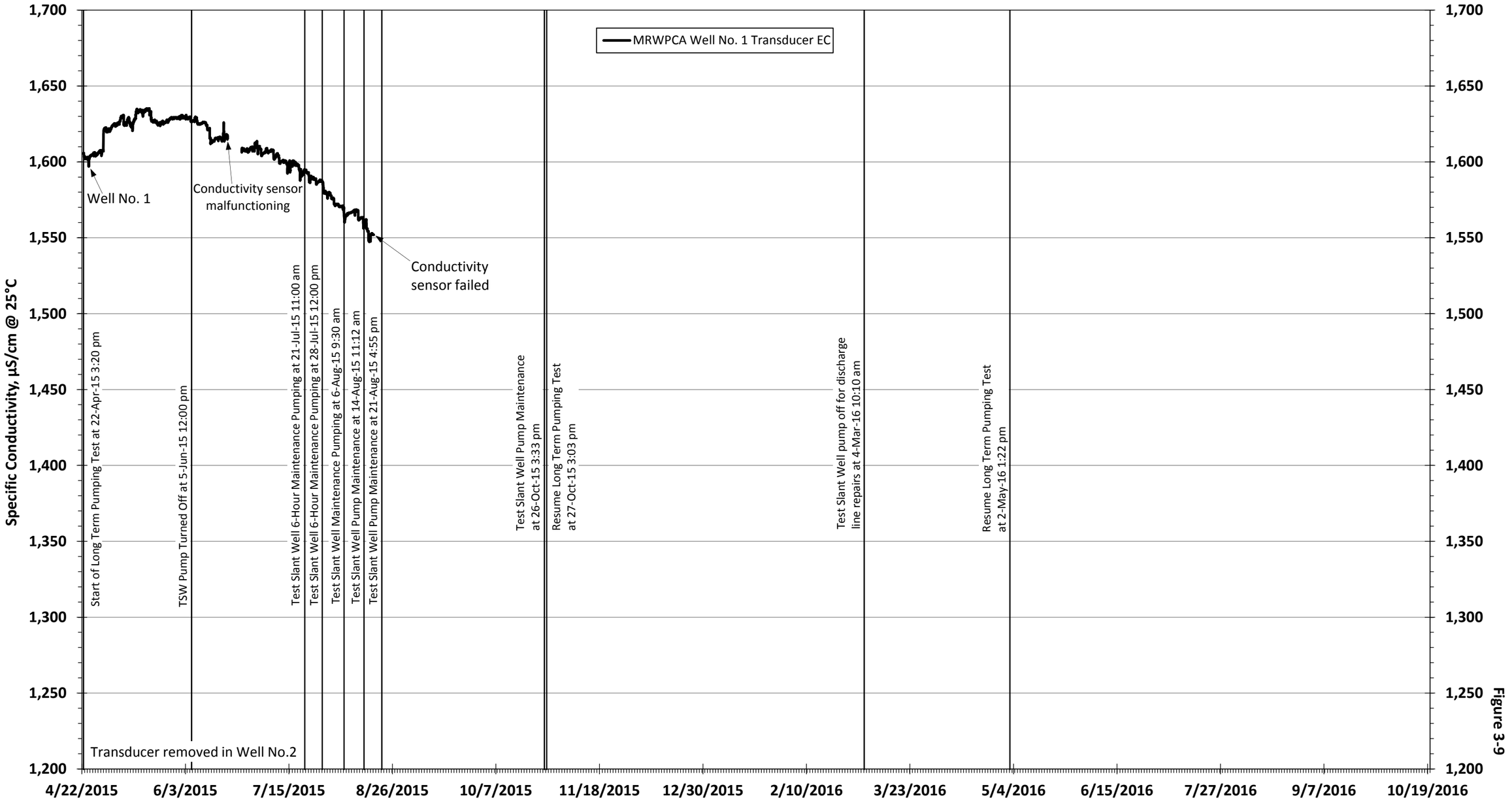


Figure 3-9

# Specific Conductivity in CEMEX Dredge Pond

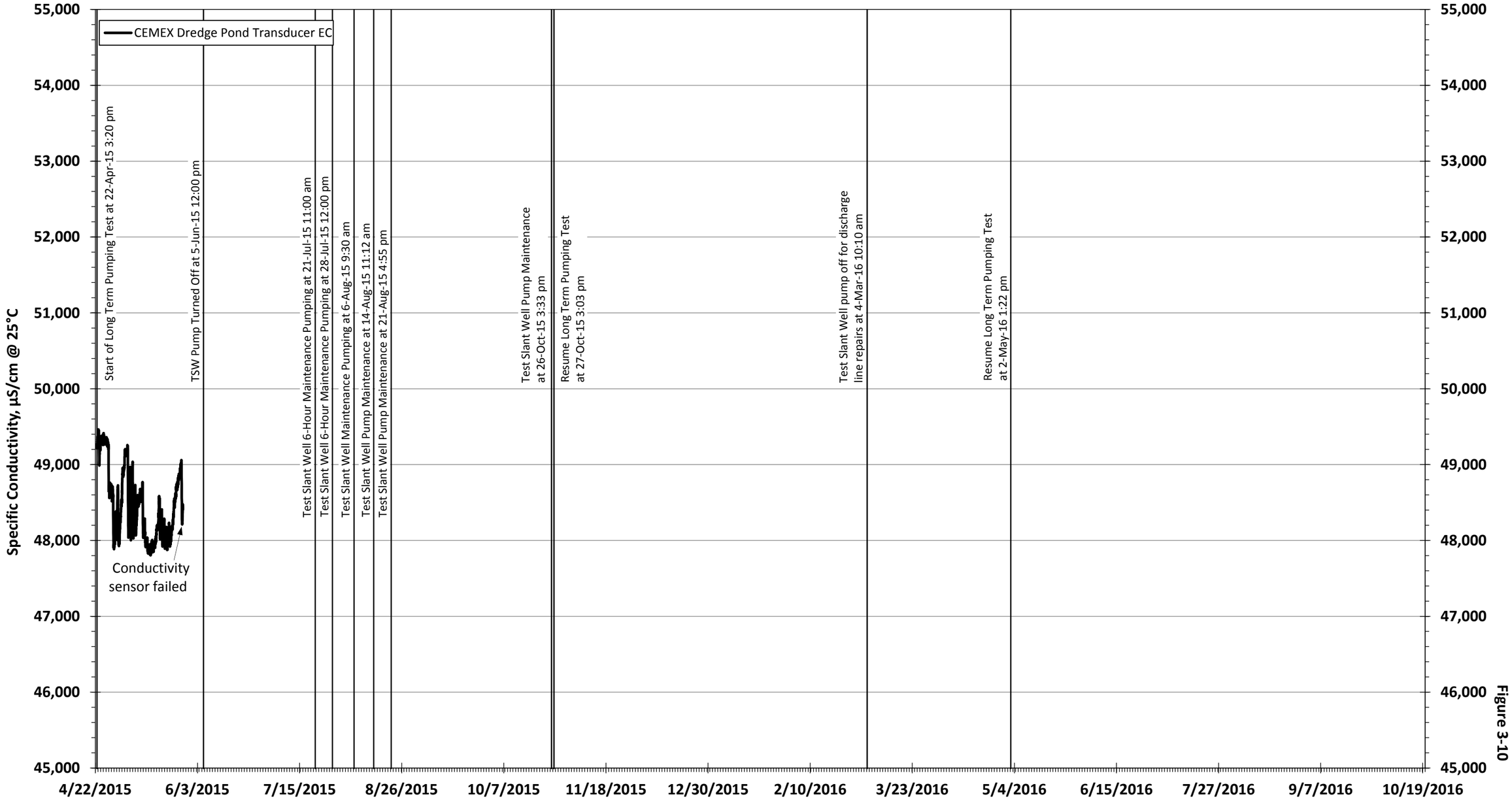


Figure 3-10

# Specific Conductivity in CEMEX North Well

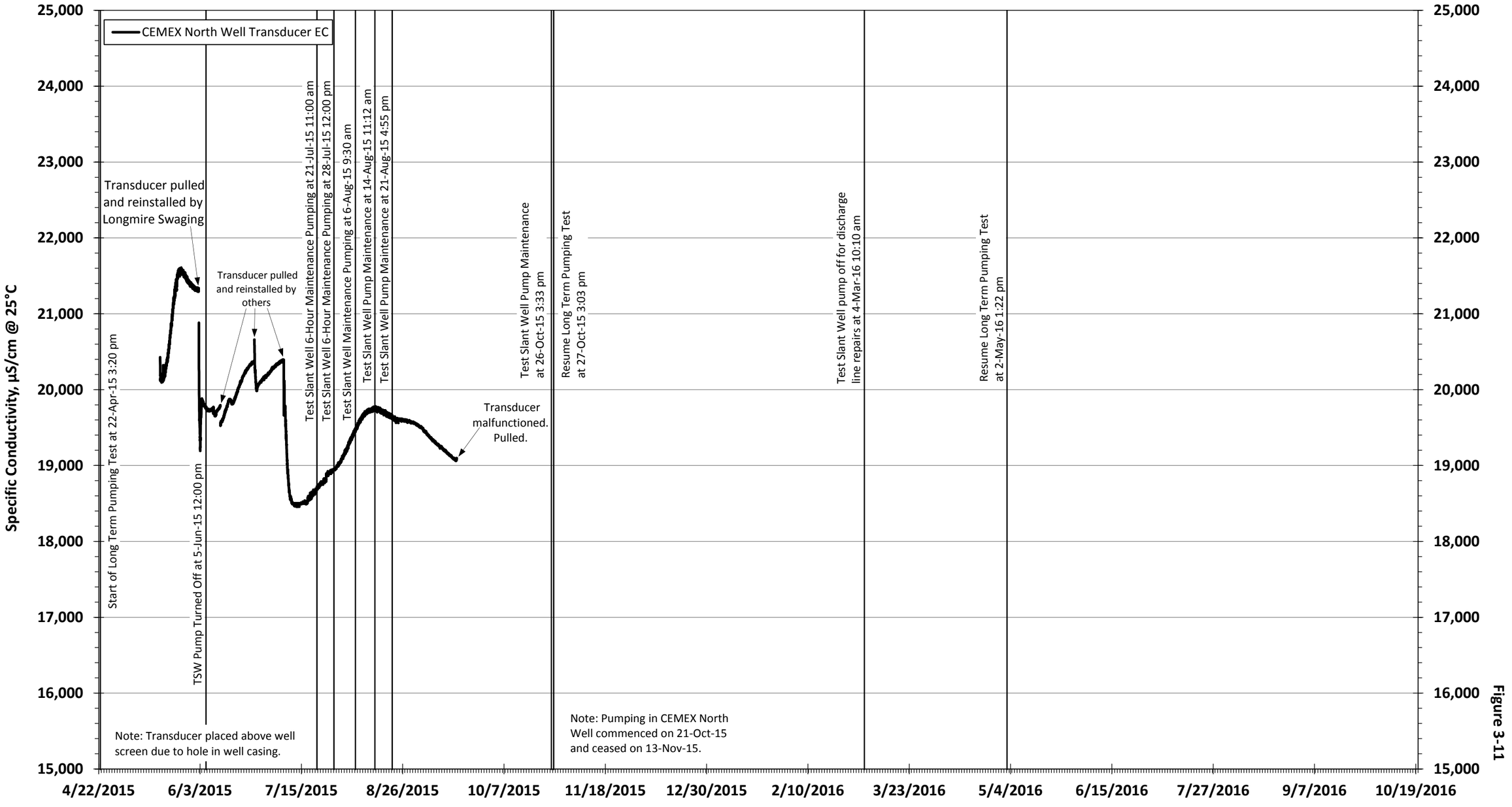


Figure 3-11

# Specific Conductivity in MPWSP Test Slant Well

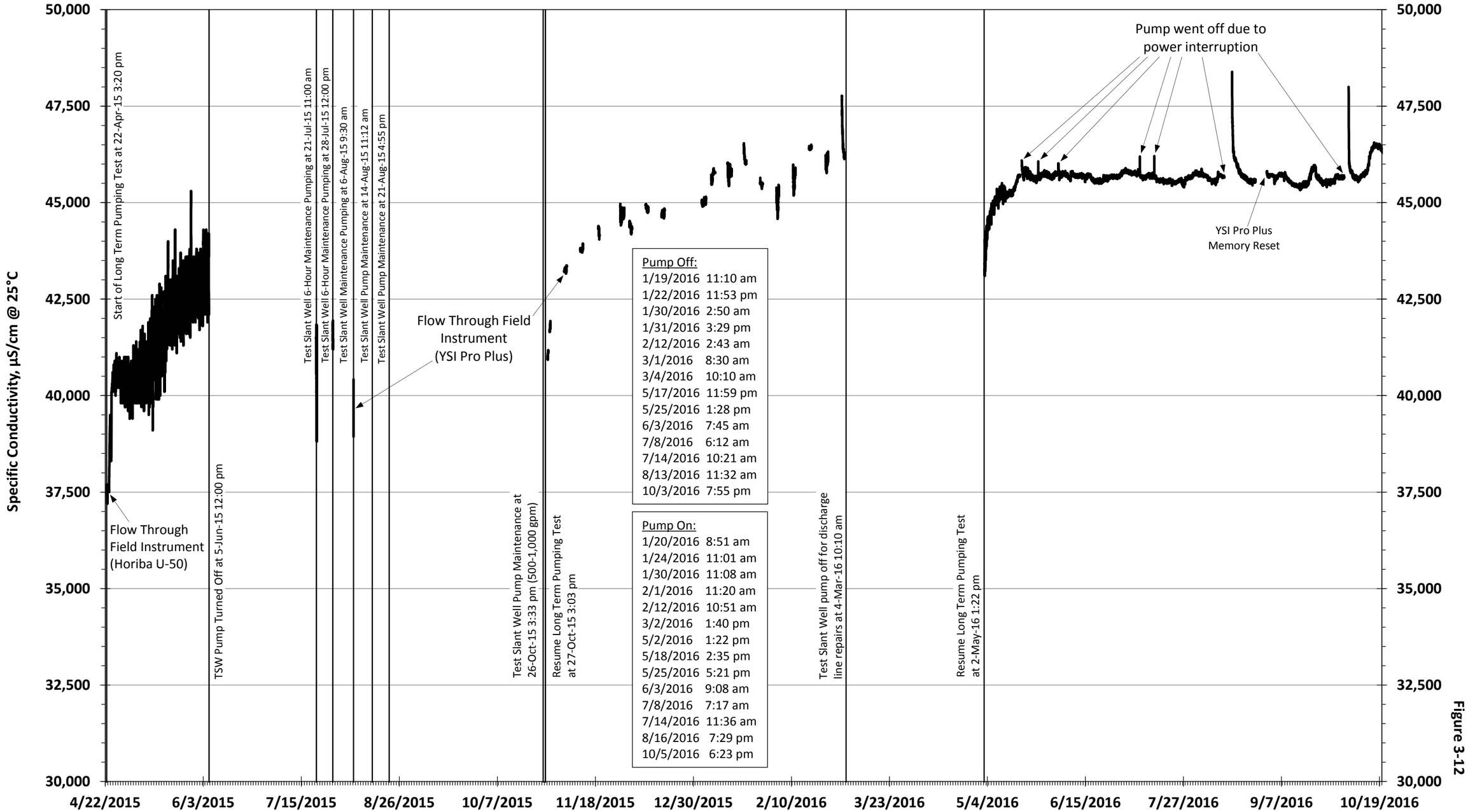


Figure 3-12

# TABLES

GEOSCIENCE

## Table 1: Well Information Table

| | | | State Plane Coordinates | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Name | Cluster | Reference Point (RP) | Northing | Easting | RP Elevation ft NAVD88 | RP Height (ft above GS) | Distance of RP from Slant Well Head (ft) | Top of Screen Interval (ft below GS) | Bottom of Screen Interval (ft below GS) | Transducer Installed Depth (ft below RP) | Survey Date | Data Logging Start Date | Data Collected |
| MW-1S | MW-1 | Top of ABS Transducer Mount | 2,154,745.35 | 5,739,355.82 | 30.51 [1] | 2.65 [1] | 211 | 55 | 95 | 76 | 26-Mar-15 | 19-Feb-15 | Level, Conductivity |
| MW-1M | MW-1 | Top of ABS Transducer Mount | 2,154,751.93 | 5,739,347.94 | 29.86 | 2.48 | 220 | 115 | 225 | 182 | 26-Mar-15 | 19-Feb-15 | Level, Conductivity |
| MW-1D | MW-1 | Top of ABS Transducer Mount | 2,154,753.60 | 5,739,337.98 | 29.68 [1] | 2.65 [1] | 230 | 277 | 327 | 309 | 26-Mar-15 | 19-Feb-15 | Level, Conductivity |
| MW-3S | MW-3 | Top of ABS Transducer Mount | 2,154,599.85 | 5,739,977.02 | 37.16 | 2.66 | 428 | 50 | 90 | 76 | 26-Mar-15 | 4-Mar-15 | Level, Conductivity |
| MW-3M | MW-3 | Top of ABS Transducer Mount | 2,154,592.96 | 5,739,988.54 | 37.35 | 2.73 | 441 | 105 | 215 | 182 | 26-Mar-15 | 4-Mar-15 | Level, Conductivity |
| MW-3D | MW-3 | Top of ABS Transducer Mount | 2,154,589.81 | 5,739,998.68 | 36.93 | 2.74 | 451 | 285 | 330 | 321 | 26-Mar-15 | 4-Mar-15 | Level, Conductivity |
| MW-4S | MW-4 | Top of ABS Transducer Mount | 2,154,170.90 | 5,741,427.62 | 41.96 | 2.26 | 1,940 | 60 | 100 | 66 | 26-Mar-15 | 9-Mar-15 | Level, Conductivity |
| MW-4M | MW-4 | Top of ABS Transducer Mount | 2,154,172.79 | 5,741,416.78 | 41.99 | 2.15 | 1,929 | 130 | 260 | 208 | 26-Mar-15 | 9-Mar-15 | Level, Conductivity |
| MW-4D | MW-4 | Top of ABS Transducer Mount | 2,154,174.30 | 5,741,406.08 | 41.95 | 2.15 | 1,918 | 290 | 330 | 317 | 26-Mar-15 | 20-Feb-15 | Level, Conductivity |
| MW-5S | MW-5 | Top of ABS Transducer Mount | 2,156,239.19 | 5,748,566.86 | 80.25 [1] | 2.20 [1] | 9,135 | 43 | 83 | 71 | 26-Mar-15 | 10-Mar-15 | Level, Conductivity |
| MW-5M | MW-5 | Top of ABS Transducer Mount | 2,156,230.38 | 5,748,564.26 | 80.48 [1] | 2.31 [1] | 9,131 | 100 | 310 | 171 | 26-Mar-15 | 10-Mar-15 | Level, Conductivity |
| MW-5D | MW-5 | Top of ABS Transducer Mount | 2,156,220.77 | 5,748,560.95 | 80.06 | 1.97 | 9,126 | 395 | 435 | 417 | 26-Mar-15 | 19-Feb-15 | Level, Conductivity |
| MW-6S | MW-6 | Top of ABS Transducer Mount | 2,141,142.87 | 5,756,164.01 | 35.89 | 2.45 [1] | 21,436 | 30 | 60 | 61 | 1-Oct-15 | 22-Apr-15 | Level, Conductivity |
| MW-6M | MW-6 | Top of ABS Transducer Mount | 2,141,138.40 | 5,756,154.35 | 35.68 | 2.44 [1] | 21,431 | 150 | 210 | 184 | 1-Oct-15 | 22-Apr-15 | Level, Conductivity |
| MW-6D | MW-6 | Top of ABS Transducer Mount | 2,141,133.06 | 5,756,144.94 | 35.82 | 2.42 [1] | 21,427 | 255 | 325 | 201 | 1-Oct-15 | 22-Apr-15 | Level, Conductivity |
| MW-7S | MW-7 | Top of ABS Transducer Mount | 2,152,099.25 | 5,744,148.10 | 50.64 | 2.06 | 5,274 | 60 | 80 | 72 | 1-Oct-15 | 13-Aug-15 | Level, Conductivity |
| MW-7M | MW-7 | Top of ABS Transducer Mount | 2,152,110.46 | 5,744,146.08 | 50.29 | 2.09 | 5,266 | 130 | 220 | 187 | 1-Oct-15 | 13-Aug-15 | Level, Conductivity |
| MW-7D | MW-7 | Top of ABS Transducer Mount | 2,152,120.50 | 5,744,144.38 | 50.24 | 2.24 | 5,260 | 295 | 345 | 322 | 1-Oct-15 | 13-Aug-15 | Level, Conductivity |
| MW-8S | MW-8 | Top of ABS Transducer Mount | 2,159,440.33 | 5,744,871.52 | 19.96 | 2.14 [3] | 7,116 | 40 | 80 | 61 | 1-Oct-15 | 30-May-15 | Level, Conductivity |
| MW-8M | MW-8 | Top of ABS Transducer Mount | 2,159,430.86 | 5,744,866.05 | 19.99 | 2.17 [2] | 7,106 | 125 | 215 | 181 | 1-Oct-15 | 30-May-15 | Level, Conductivity |
| MW-8D | MW-8 | Top of ABS Transducer Mount | 2,159,421.47 | 5,744,861.04 | 20.08 | 2.10 [3] | 7,096 | 300 | 350 | 326 | 1-Oct-15 | 30-May-15 | Level, Conductivity |
| MW-9S | MW-9 | Top of ABS Transducer Mount | 2,162,010.77 | 5,747,345.03 | 18.42 | 2.16 [3] | 10,677 | 30 | 110 | 71 | 1-Oct-15 | 1-Jul-15 | Level, Conductivity |
| MW-9M | MW-9 | Top of ABS Transducer Mount | 2,162,016.58 | 5,747,353.64 | 18.32 | 2.13 [2] | 10,687 | 145 | 225 | 182 | 1-Oct-15 | 29-Jun-15 | Level, Conductivity |
| MW-9D | MW-9 | Top of ABS Transducer Mount | 2,162,022.89 | 5,747,362.25 | 18.32 | 2.15 [3] | 10,697 | 353 | 393 | 377 | 1-Oct-15 | 26-Jun-15 | Level, Conductivity |
| Well No. 1 [4] | MRWPCA | Well Cover | 2,151,622.14 | 5,750,015.59 | 114 ft amsl (GS) | 1.60 | 10,898 | 260 | 340 | 299 | - | 19-Feb-15 | Level, Conductivity |
| Well No. 2 [4] | MRWPCA | Well Cover | 2,151,550.18 | 5,749,987.41 | 115 ft amsl (GS) | 1.65 | 10,892 | 260 | 340 | 319 | - | 19-Feb-15 | Level, Conductivity |
| CEMEX Dredge Pond | CEMEX | Top of ABS Transducer Mount | 2,155,912.41 | 5,739,497.26 | 14.14 | 8.92* | 1,212 | - | - | - | 26-Mar-15 | 8-Mar-15 | Level, Conductivity |
| Test Slant Well | CEMEX | Near Ground Surface | 2,154,702.56 | 5,739,561.92 | 30.86 | 0 | 0 | 46** | 231** | 305MD | 26-Mar-15 | 1-Apr-15 | Level, Conductivity |
| CEMEX North Well | CEMEX | Well Cover | 2,154,284.48 | 5,741,032.07 | 39.20 | 0.25 | 1,529 | 244 | 481 | 150 | 1-Oct-15 | 1-Apr-15 | Level, Conductivity |
| CEMEX South Well [4] | CEMEX | Ground Surface | 2,154,213.90 | 5,740,998.57 | 31 ft amsl (GS) | 0 | 1,518 | 400 | 506 | - | - | - | - |

Horizontal Datum: NAD83 State Plane Zone 4
Vertical Datum: NAVD88
* RP height above pond water level 5.22 ft NAVD88 (8-11 am 26-Mar-15)
** Top of 18 in. screen = 140 ft x Sin(19) = 46 ft TVD, Bottom of 14 in. screen = 710 x Sin(19) = 231 ft TVD

[1] RP/elevation change on May 17, 2015 - New caps
[2] RP/elevation change on July 17, 2015 - New caps
[3] RP/elevation change on September 24, 2015 - New caps
[4] Estimated - not surveyed.

MD: Measured Depth - lineal feet along the angle of the slant well
GS: Ground Surface - approximate ground surface elevation based on Google Earth

## Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| | | Sample Collection Date: | 8-Apr-15 | 29-Apr-15 | 6-May-15 | 13-May-15 | 20-May-15 | 27-May-15 | 3-Jun-15 | 28-Oct-15 | 12-Nov-15 | 19-Nov-15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Constituent** | **Method** | **Units** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** |
| Alkalinity, Total (as CaCO3) | SM2320B | mg/L | 117 | - | 121 | 120 | 121 | 118 | 124 | - | - | 117 |
| Aluminum, Total | EPA 200.8 | µg/L | ND | - | 70 | ND | ND | 321 | ND | - | - | ND |
| Ammonia-N, Dissolved | SM4500NH3 D | mg/L | ND | - | ND | ND | ND | ND | ND | ND | - | ND |
| Arsenic, Total [1] | EPA 200.8 | µg/L | 33 | - | 31 | 31 | 38 | 38 | 37 | - | - | 38 |
| Arsenic, Total | EPA 1640 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Barium, Dissolved | EPA 200.8 | µg/L | 95 | - | 106 | 106 | 100 | 110 | 87 | - | - | 88 |
| Bicarbonate (as HCO3-) | SM2320B | mg/L | 143 | - | 148 | 146 | 148 | 144 | 151 | - | - | 143 |
| Boron, Dissolved | EPA 200.7 | mg/L | 2.6 | - | 2.51 | 3.10 | 2.88 | 2.71 | 2.86 | - | - | 3.37 |
| Bromide, Dissolved | EPA 300.0 | mg/L | 37.0 | - | 45 | 45 | 48.7 | 48 | 47.4 | - | - | 53.6 |
| Calcium | EPA 200.7 | mg/L | 349 | - | 621 | 606 | 607 | 587 | 598 | - | - | 541 |
| Calcium, Dissolved | EPA 200.7 | mg/L | 371 | - | 581 | 660 | 595 | 584 | 583 | - | - | 551 |
| Carbamates by HPLC (EPA 531) | EPA 531 | µg/L | ND | - | - | - | - | - | - | - | - | - |
| Carbonate as CaCO3 | SM2320B | mg/L | ND | - | ND | ND | ND | ND | ND | - | - | ND |
| Chloride, Dissolved | EPA 300.0 | mg/L | 13,830 | - | 14,476 | 14,344 | 15,724 | 15,721 | 15,869 | - | - | 14,186 |
| Chlorinated Pesticides and PCB (EPA 5 | EPA 508 | µg/L | ND | - | - | - | - | - | - | - | - | - |
| Color, Apparent (Unfiltered) | SM2120B | Color Units | 4 | - | 4 | ND | ND | ND | ND | 6 | - | 4 |
| Copper | EPA 200.7 | µg/L | - | - | - | - | - | ND | ND | - | - | ND |
| Copper, Total | EPA 200.8 | µg/L | 44 | - | 75 | 74 | 40 | - | - | - | - | - |
| DBCP & EDB | EPA 504.1 | µg/L | ND | - | - | - | - | - | - | - | - | - |
| Dioxin | EPA 1613 | pg/L | ND | - | - | - | - | - | - | - | - | - |
| Diquat (EPA 549) | EPA 549 | µg/L | ND | - | - | - | - | - | - | - | - | - |
| Dissolved Anions | Calculation | Meq/L | 431.33 | - | 453.50 | 451.38 | 491.70 | 491.97 | 496.41 | - | - | 447.47 |
| Total Anions | Calculation | Meq/L | 431.33 | - | 453.50 | 451.38 | 491.70 | 491.97 | 496.41 | - | - | 447.47 |
| Dissolved Cations | Calculation | Meq/L | 455.09 | - | 435.45 | 479.03 | 508.91 | 458.32 | 460.38 | - | - | 494.88 |
| Total Cations | Calculation | Meq/L | 430.99 | - | 477.91 | 445.16 | 524.66 | 458.67 | 465.32 | - | - | 483.86 |
| Fluoride, Dissolved | EPA 300.0 | mg/L | 0.2 | - | 0.7 | ND | ND | 0.7 | ND | - | - | 0.8 |
| Hardness (as CaCO3) | SM2340B/Calc | mg/L | 4,751 | - | 5,879 | 5,796 | 6,066 | 5,748 | 5,924 | - | - | 5,798 |
| Hydroxide | SM2320B | mg/L | ND | - | ND | ND | ND | ND | ND | - | - | ND |
| Iodide | EPA 9056M | µg/L | ND | - | ND | ND | ND | ND | ND | - | - | ND |
| Iron | EPA 200.7 | µg/L | 69 | - | 99 | ND | ND | ND | ND | - | - | ND |
| Iron, Dissolved | EPA 200.7 | µg/L | 65 | - | ND | ND | ND | ND | ND | - | - | ND |
| Kjehldahl Nitrogen, Dissolved | SM4500-NH3 B,C.E | mg/L | ND | - | ND | ND | ND | ND | ND | - | - | ND |
| Lithium | EPA 200.8 | µg/L | 152 | - | 169 | 144 | 165 | 250 | 212 | - | - | 106 |
| Magnesium | EPA 200.7 | mg/L | 942 | - | 1,050 | 1,040 | 1,100 | 1,040 | 1,080 | - | - | 1,080 |
| Magnesium, Dissolved | EPA 200.7 | mg/L | 989 | - | 970 | 1,110 | 1,080 | 1,040 | 1,060 | - | - | 1,110 |
| Manganese, Dissolved | EPA 200.7 | µg/L | 26 | - | ND | ND | ND | ND | ND | - | - | ND |
| Manganese, Total | EPA 200.7 | µg/L | 26 | - | ND | ND | ND | ND | ND | - | - | ND |
| MBAS (Surfactants) | SM5540C | mg/L | ND | - | ND | ND | ND | ND | ND | - | - | ND |
| Nitrate as NO3 | EPA 300.0 | mg/L | 5 | - | 7 | 8 | ND | 6 | 8 | - | - | 6 |
| Nitrate+Nitrite as N | EPA 300.0 | mg/L | 1.0 | - | 1.9 | 1.8 | 1.8 | 1.8 | 1.7 | - | - | 1.4 |
| Nitrite as NO2-N, Dissolved | EPA 300.0 | mg/L | ND | - | 0.2 | ND | ND | 0.3 | ND | - | - | ND |
| Odor Threshold at 60 C | SM2150B | TON | 2 | - | 1 | 1 | 1 | 1 | 1 | - | - | 2 |
| o-Phosphate-P | Hach 8048 | mg/L | 0.10 | - | 0.12 | 0.13 | 0.12 | 0.11 | 0.13 | - | - | 0.14 |
| pH (Field Test) | SM4500-H+B | pH | 7.03 | 6.86 | 6.84 | 6.85 | 6.94 | 6.91 | 6.94 | 7.01 | 7.05 | 7.04 |
| pH (Laboratory) | SM4500-H+B | pH (H) | 7.2 | - | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.2 | - | 7.1 |
| Phenoxy Acid Herbicides (515.3) | EPA 515.3 | µg/L | ND | - | - | - | - | - | - | - | - | - |
| Phosphorus, Dissolved Total | HACH 8190 | mg/L | 0.09 | - | 0.10 | 0.13 | 0.13 | 0.07 | 0.14 | - | - | 0.10 |
| Potassium | EPA 200.7 | mg/L | 203 | - | 212 | 209 | 231 | 220 | 226 | - | - | 256 |
| Potassium, Dissolved | EPA 200.7 | mg/L | 213 | - | 185 | 230 | 227 | 219 | 220 | - | - | 263 |
| QC Ratio TDS/SEC | Calculation | - | 0.67 | 0.66 | 0.64 | 0.66 | 0.67 | 0.67 | 0.68 | 0.67 | 0.67 | 0.68 |
| Reg. Org. Compounds (EPA 525) | EPA 525 | µg/L | ND | - | - | - | - | - | - | - | - | - |
| Salinity | SM2520B | psu | - | - | - | - | - | - | - | - | - | - |
| Silica as SiO2, Dissolved | EPA 200.7 | mg/L | 20 | - | 16 | 22 | 19 | 17 | 20 | - | - | 19 |
| Sodium | EPA 200.7 | mg/L | 7,606 | - | 8,163 | 7,448 | 9,148 | 7,774 | 7,835 | - | - | 8,309 |
| Sodium, Dissolved | EPA 200.7 | mg/L | 8,040 | - | 7,400 | 8,020 | 8,840 | 7,770 | 7,780 | - | - | 8,490 |
| Specific Conductance (E.C) | SM2510B | µmhos/cm | 37,860 | 39,500 | 41,110 | 41,800 | 42,100 | 42,410 | 42,950 | 41,400 | 43,940 | 43,730 |
| Specific Conductance (E.C) (Field) | SM2510B | µmhos/cm | 38,097 | 40,100 | 40,600 | 42,400 | 41,900 | 42,400 | 43,300 | 40,915 | 43,940 | 44,222 |
| Strontium, Dissolved | EPA 200.8 | µg/L | 7,440 | - | 7,820 | 8,008 | 8,349 | 7,734 | 7,900 | - | - | 7,670 |
| Sulfate, Dissolved | EPA 300.0 | mg/L | 1,840 | - | 2,018 | 2,096 | 2,160 | 2,181 | 2,188 | - | - | 1,973 |
| Temperature (Field) | SM2550 | ° C | 17.20 | 16.79 | 16.71 | 16.86 | 16.63 | 16.35 | 16.68 | 18.4 | 17.1 | 17.1 |
| Total Diss. Solids | SM2540C | mg/L | 25,400 | 26,000 | 26,300 | 27,600 | 28,400 | 28,500 | 29,100 | 27,700 | 29,400 | 29,800 |
| Turbidity | EPA 180.1 | NTU | 0.40 | - | 0.30 | 0.30 | 0.25 | 0.25 | 0.15 | 0.5 | - | 0.30 |
| Turbidity (Field) | EPA 180.1 | NTU | 0.74 | 0.84 | 0.69 | 0.76 | 0.30 | 0.29 | 0.353 | 0.59 | 0.98 | 0.61 |
| Volatile Org. Compounds (524) | EPA 524 | µg/L | ND | - | - | - | - | - | - | - | - | - |
| Zinc | EPA 200.7 | µg/L | - | - | - | - | - | 142 | ND | - | - | ND |
| Zinc, Total | EPA 200.8 | µg/L | ND | - | 158 | ND | 209 | - | - | - | - | - |
| PCBs, Total | EPA 508 | µg/L | ND | - | - | - | - | - | - | - | - | - |
| Total PCB | EPA 1668C | pg/L | - | - | 7.68 | - | ND | 12.2 | 0.766 | - | - | - |

**Notes:**

°C = Degrees Celsius
CU = Color Units
Meq/L = Milliequivalents per Liter
mg/L = Milligrams per Liter
NTU = Nephelometric Turbidity Units
pg/L = Picograms per Liter
TON = Threshold Odor Number
µg/L = Micorgrams per Liter
µmhos/cm = Micromhos per Centimeter

ND = NOT DETECTED at or above the Reporting Limit (RL) or Practical Quantitation Limit (PQL). See laboratory water quality reports for RL and PQL values.

[1] Using EPA Method 200.8, Arsenic values are overstated due to matrix interference caused by high chloride levels. The overstated values are in laboratory reports through February 11, 2016. Going forward, EPA Method 1640 will be used for Arsenic analysis only.

## Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| | | Sample Collection Date: | 30-Nov-15 | 3-Dec-15 | 10-Dec-15 | 17-Dec-15 | 4-Jan-16 | 14-Jan-16 | 21-Jan-16 | 28-Jan-16 | 4-Feb-16 | 11-Feb-16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Constituent** | **Method** | **Units** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** |
| Alkalinity, Total (as CaCO3) | SM2320B | mg/L | 114 | 111 | 113 | 112 | 111 | 110 | 111 | 110 | 109 | 110 |
| Aluminum, Total | EPA 200.8 | µg/L | ND | ND | 53 | ND | ND | ND | ND | ND | ND | ND |
| Ammonia-N, Dissolved | SM4500NH3 D | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Arsenic, Total [1] | EPA 200.8 | µg/L | 45 | 42 | 42 | 40 | 47 | ND | 48 | 50 | 46 | 42 |
| Arsenic, Total | EPA 1640 | µg/L | - | - | - | - | - | - | - | - | - | 0.39 |
| Barium, Dissolved | EPA 200.8 | µg/L | 81 | 88 | 82 | 78 | 78 | 74 | 82 | 74 | 69 | ND |
| Bicarbonate (as HCO3-) | SM2320B | mg/L | 139 | 135 | 138 | 137 | 135 | 134 | 135 | 134 | 133 | 134 |
| Boron, Dissolved | EPA 200.7 | mg/L | 3.38 | 3.16 | 3.14 | 3.97 | 3.21 | 3.71 | 3.48 | 3.35 | 3.33 | 3.41 |
| Bromide, Dissolved | EPA 300.0 | mg/L | 53 | 52.6 | 50.2 | 50.2 | 50.0 | 52.4 | 48.2 | 51.3 | 50.1 | 51.8 |
| Calcium | EPA 200.7 | mg/L | 582 | 538 | 511 | 657 | 515 | 531 | 493 | 523 | 522 | 523 |
| Calcium, Dissolved | EPA 200.7 | mg/L | 577 | 532 | 518 | 686 | 511 | 537 | 532 | 523 | 526 | 533 |
| Carbamates by HPLC (EPA 531) | EPA 531 | µg/L | ND | - | - | - | - | - | - | ND | - | - |
| Carbonate as CaCO3 | SM2320B | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloride, Dissolved | EPA 300.0 | mg/L | 16,111 | 16,383 | 16,257 | 16,579 | 16,510 | 16,972 | 15,685 | 16,798 | 17,195 | 16,980 |
| Chlorinated Pesticides and PCB (EPA 5 | EPA 508 | µg/L | ND | - | - | - | - | - | - | ND | - | - |
| Color, Apparent (Unfiltered) | SM2120B | Color Units | 7 | 4 | ND | ND | 3 | 5 | ND | ND | ND | 5 |
| Copper | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Copper, Total | EPA 200.8 | µg/L | - | - | - | - | - | - | - | - | - | - |
| DBCP & EDB | EPA 504.1 | µg/L | ND | - | - | - | - | - | - | ND | - | - |
| Dioxin | EPA 1613 | pg/L | ND | - | - | - | - | - | - | ND | - | - |
| Diquat (EPA 549) | EPA 549 | µg/L | ND | - | - | - | - | - | - | ND | - | - |
| Dissolved Anions | Calculation | Meq/L | 503.06 | 503.06 | 507.53 | 516.55 | 514.28 | 529.53 | 493.46 | 524.48 | 535.83 | 529.87 |
| Total Anions | Calculation | Meq/L | 503.06 | 510.47 | 507.53 | 516.55 | 514.28 | 529.53 | 493.46 | 524.48 | 535.83 | 529.87 |
| Dissolved Cations | Calculation | Meq/L | 526.37 | 498.07 | 506.84 | 484.86 | 457.70 | 533.96 | 514.92 | 523.20 | 521.97 | 537.19 |
| Total Cations | Calculation | Meq/L | 544.39 | 500.67 | 500.01 | 510.72 | 466.00 | 526.46 | 484.44 | 516.68 | 524.71 | 526.05 |
| Fluoride, Dissolved | EPA 300.0 | mg/L | 0.8 | 0.8 | ND | ND | ND | ND | ND | ND | ND | ND |
| Hardness (as CaCO3) | SM2340B/Calc | mg/L | 6,383 | 5,890 | 5,756 | 6,710 | 5,651 | 5,938 | 5,909 | 5,918 | 5,940 | 5,972 |
| Hydroxide | SM2320B | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Iodide | EPA 9056M | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Iron | EPA 200.7 | µg/L | ND | ND | ND | 96 | ND | ND | ND | ND | ND | ND |
| Iron, Dissolved | EPA 200.7 | µg/L | ND | ND | ND | 126 | ND | ND | ND | ND | ND | ND |
| Kjehldahl Nitrogen, Dissolved | SM4500-NH3 B,C.E | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Lithium | EPA 200.8 | µg/L | 135 | 131 | 142 | 149 | 133 | 160 | 129 | 128 | 117 | 170 |
| Magnesium | EPA 200.7 | mg/L | 1,200 | 1,100 | 1,090 | 1,230 | 1,060 | 1,120 | 1,140 | 1,120 | 1,130 | 1,130 |
| Magnesium, Dissolved | EPA 200.7 | mg/L | 1,170 | 1,090 | 1,100 | 1,310 | 1,050 | 1,150 | 1,190 | 1,130 | 1,130 | 1,150 |
| Manganese, Dissolved | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Manganese, Total | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| MBAS (Surfactants) | SM5540C | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Nitrate as NO3 | EPA 300.0 | mg/L | 6 | 6 | 2 | 9 | 8 | 8 | 8 | 8 | 8 | 8 |
| Nitrate+Nitrite as N | EPA 300.0 | mg/L | 1.4 | 1.3 | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 | 1.8 | 1.8 | 1.8 |
| Nitrite as NO2-N, Dissolved | EPA 300.0 | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Odor Threshold at 60 C | SM2150B | TON | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 1 | 2 | 1 |
| o-Phosphate-P | Hach 8048 | mg/L | 0.15 | 0.15 | 0.14 | 0.13 | 0.13 | 0.12 | 0.11 | 0.12 | 0.12 | 0.13 |
| pH (Field Test) | SM4500-H+B | pH | 7.06 | 8.14 | 7.10 | 7.08 | 7.11 | 7.07 | 7.08 | 7.06 | 7.04 | 7.05 |
| pH (Laboratory) | SM4500-H+B | pH (H) | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.3 | 7.2 | 7.2 | 7.1 | 7.2 |
| Phenoxy Acid Herbicides (515.3) | EPA 515.3 | µg/L | ND | - | - | - | - | - | - | ND | - | - |
| Phosphorus, Dissolved Total | HACH 8190 | mg/L | 0.14 | 0.13 | 0.13 | 0.13 | 0.10 | 0.10 | 0.10 | 0.11 | 0.09 | 0.10 |
| Potassium | EPA 200.7 | mg/L | 284 | 268 | 266 | 293 | 256 | 275 | 271 | 267 | 270 | 268 |
| Potassium, Dissolved | EPA 200.7 | mg/L | 281 | 268.0 | 266 | 308 | 254 | 278 | 282 | 272 | 269 | 276 |
| QC Ratio TDS/SEC | Calculation | - | 0.68 | 0.69 | 0.68 | 0.67 | 0.66 | 0.69 | 0.67 | 0.67 | 0.67 | 0.69 |
| Reg. Org. Compounds (EPA 525) | EPA 525 | µg/L | ND | - | - | - | - | - | - | ND | - | - |
| Salinity | SM2520B | psu | - | - | - | - | - | - | - | - | - | - |
| Silica as SiO2, Dissolved | EPA 200.7 | mg/L | 18 | 16 | 16 | 20 | 16 | 20 | 17 | 15 | 14 | 14 |
| Sodium | EPA 200.7 | mg/L | 9,410 | 8,654 | 8,691 | 8,488 | 7,966 | 9,213 | 8,255 | 9,002 | 9,167 | 9,198 |
| Sodium, Dissolved | EPA 200.7 | mg/L | 9,060 | 8,620 | 8,820 | 7,700 | 7,800 | 9,320 | 8,810 | 9,130 | 9,100 | 9,400 |
| Specific Conductance (E.C) | SM2510B | µmhos/cm | 44,110 | 44,470 | 44,380 | 44,870 | 45,370 | 45,720 | 46,900 | 45,720 | 45,790 | 45,650 |
| Specific Conductance (E.C) (Field) | SM2510B | µmhos/cm | 44,835 | 44,246 | 44,834 | 44,649 | 45,090 | 45,937 | 46,026 | 45,487 | 45,392 | 45,697 |
| Strontium, Dissolved | EPA 200.8 | µg/L | 7,767 | 7,668 | 7,444 | 7,194 | 7,306 | 7,800 | 7,481 | 7,503 | 5,865 | 5,796 |
| Sulfate, Dissolved | EPA 300.0 | mg/L | 2,187 | 2,177 | 2,204 | 2,202 | 2,188 | 2,294 | 2,307 | 2,288 | 2,297 | 2,300 |
| Temperature (Field) | SM2550 | ° C | 16.3 | 16.9 | 16.9 | 16.7 | 15.6 | 15.2 | 15.5 | 15.3 | 15.5 | 15.9 |
| Total Diss. Solids | SM2540C | mg/L | 29,800 | 30,900 | 30,200 | 30,200 | 30,100 | 31,700 | 31,400 | 30,600 | 30,500 | 31,400 |
| Turbidity | EPA 180.1 | NTU | 0.30 | 0.15 | 0.40 | 0.25 | 0.30 | 0.35 | 0.30 | 0.10 | 0.15 | 0.25 |
| Turbidity (Field) | EPA 180.1 | NTU | 1.15 | 0.64 | 0.67 | 0.36 | 0.31 | 0.37 | 0.09 | 0.11 | 0.64 | 0.35 |
| Volatile Org. Compounds (524) | EPA 524 | µg/L | ND | - | - | - | - | - | - | ND | - | - |
| Zinc | EPA 200.7 | µg/L | ND | ND | 204 | ND | ND | ND | ND | ND | ND | ND |
| Zinc, Total | EPA 200.8 | µg/L | - | - | - | - | - | - | - | - | - | - |
| PCBs, Total | EPA 508 | µg/L | ND | - | - | - | - | - | - | ND | - | - |
| Total PCB | EPA 1668C | pg/L | 25.8 | - | - | - | - | - | - | 7.73 | - | - |

**Notes:**

°C = Degrees Celsius
CU = Color Units
Meq/L = Milliequivalents per Liter
mg/L = Milligrams per Liter
NTU = Nephelometric Turbidity Units
pg/L = Picograms per Liter
TON = Threshold Odor Number
µg/L = Micorgrams per Liter
µmhos/cm = Micromhos per Centimeter

ND = NOT DETECTED at or above the Reporting Limit (RL) or Practical Quantitation Limit (PQL). See laboratory water quality reports for RL and PQL values.

[1] Using EPA Method 200.8, Arsenic values are overstated due to matrix interference caused by high chloride levels. The overstated values are in laboratory reports through February 11, 2016. Going forward, EPA Method 1640 will be used for Arsenic analysis only.

## Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| | | Sample Collection Date: | 18-Feb-16 | 25-Feb-16 | 3-Mar-16 | 3-May-16 | 12-May-16 | 19-May-16 | 26-May-16 | 2-Jun-16 | 9-Jun-16 | 16-Jun-16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Constituent** | **Method** | **Units** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** |
| Alkalinity, Total (as CaCO3) | SM2320B | mg/L | 110 | 110 | 110 | 108 | 110 | 114 | 112 | 111 | 110 | 112 |
| Aluminum, Total | EPA 200.8 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Ammonia-N, Dissolved | SM4500NH3 D | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Arsenic, Total [1] | EPA 200.8 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Arsenic, Total | EPA 1640 | µg/L | 0.28 | 0.30 | 0.28 | 0.32 | 0.26 | 0.24 | 0.29 | 0.28 | 0.27 | 0.30 |
| Barium, Dissolved | EPA 200.8 | µg/L | ND | 71 | 75 | ND | ND | 74 | ND | ND | 62 | ND |
| Bicarbonate (as HCO3-) | SM2320B | mg/L | 134 | 134 | 134 | 132 | 134 | 139 | 137 | 135 | 134 | 137 |
| Boron, Dissolved | EPA 200.7 | mg/L | 3.19 | 3.31 | 3.43 | 3.62 | 3.30 | 3.54 | 3.11 | 3.18 | 3.47 | 3.38 |
| Bromide, Dissolved | EPA 300.0 | mg/L | 52.6 | 52.6 | 52.3 | 50.3 | 43.2 | 59.4 | 59.6 | 50.5 | 40.1 | 35.4 |
| Calcium | EPA 200.7 | mg/L | 497 | 510 | 493 | 458 | 489 | 542 | 430 | 469 | 506 | 498 |
| Calcium, Dissolved | EPA 200.7 | mg/L | 503 | 510 | 502 | 456 | 496 | 528 | 396 | 479 | 506 | 499 |
| Carbamates by HPLC (EPA 531) | EPA 531 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Carbonate as CaCO3 | SM2320B | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloride, Dissolved | EPA 300.0 | mg/L | 17,243 | 17,186 | 17,337 | 15,946 | 15,872 | 16,965 | 16,326 | 16,326 | 16,807 | 16,547 |
| Chlorinated Pesticides and PCB (EPA 5 | EPA 508 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Color, Apparent (Unfiltered) | SM2120B | Color Units | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Copper | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Copper, Total | EPA 200.8 | µg/L | - | - | - | - | - | - | - | - | - | - |
| DBCP & EDB | EPA 504.1 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Dioxin | EPA 1613 | pg/L | - | - | - | - | - | - | - | - | - | - |
| Diquat (EPA 549) | EPA 549 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Dissolved Anions | Calculation | Meq/L | 538.01 | 536.27 | 541.32 | 499.99 | 499.14 | 530.65 | 509.47 | 510.34 | 528.27 | 520.48 |
| Total Anions | Calculation | Meq/L | 538.01 | 536.27 | 541.32 | 499.99 | 499.14 | 530.65 | 509.47 | 510.34 | 528.27 | 520.48 |
| Dissolved Cations | Calculation | Meq/L | 522.84 | 541.86 | 557.28 | 520.85 | 514.63 | 529.51 | 491.98 | 515.26 | 496.63 | 479.25 |
| Total Cations | Calculation | Meq/L | 520.40 | 544.60 | 540.75 | 516.58 | 507.73 | 540.16 | 497.14 | 507.81 | 493.75 | 481.32 |
| Fluoride, Dissolved | EPA 300.0 | mg/L | ND | ND | 1.1 | 1.0 | ND | ND | ND | ND | ND | ND |
| Hardness (as CaCO3) | SM2340B/Calc | mg/L | 5,870 | 6,112 | 5,901 | 5,739 | 5,776 | 6,316 | 5,492 | 5,656 | 5,822 | 5,732 |
| Hydroxide | SM2320B | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Iodide | EPA 9056M | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Iron | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Iron, Dissolved | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Kjehldahl Nitrogen, Dissolved | SM4500-NH3 B,C.E | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Lithium | EPA 200.8 | µg/L | 154 | 164 | 166 | 153 | 149 | 145 | 164 | 159 | 177 | 132 |
| Magnesium | EPA 200.7 | mg/L | 1,120 | 1,180 | 1,130 | 1,120 | 1,110 | 1,200 | 1,070 | 1,090 | 1,110 | 1,090 |
| Magnesium, Dissolved | EPA 200.7 | mg/L | 1,120 | 1,170 | 1,180 | 1,120 | 1,120 | 1,180 | 1,040 | 1,100 | 1,110 | 1,090 |
| Manganese, Dissolved | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Manganese, Total | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| MBAS (Surfactants) | SM5540C | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Nitrate as NO3 | EPA 300.0 | mg/L | 8 | 8 | 8 | 6 | 6 | 3 | ND | ND | 1 | ND |
| Nitrate+Nitrite as N | EPA 300.0 | mg/L | 1.8 | 1.8 | 1.8 | 1.4 | 1.3 | 0.7 | ND | ND | 0.2 | ND |
| Nitrite as NO2-N, Dissolved | EPA 300.0 | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Odor Threshold at 60 C | SM2150B | TON | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| o-Phosphate-P | Hach 8048 | mg/L | 0.11 | 0.12 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 | 0.11 | 0.11 | 0.11 |
| pH (Field Test) | SM4500-H+B | pH | 7.11 | 7.12 | 7.14 | 7.25 | 7.10 | 7.07 | 7.16 | 7.04 | 7.17 | 7.07 |
| pH (Laboratory) | SM4500-H+B | pH (H) | 7.3 | 6.8 | 7.3 | 7.3 | 7.2 | 7.2 | 7.2 | 7.3 | 7.3 | 7.4 |
| Phenoxy Acid Herbicides (515.3) | EPA 515.3 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Phosphorus, Dissolved Total | HACH 8190 | mg/L | 0.11 | 0.10 | 0.10 | 0.13 | 0.11 | 0.10 | 0.12 | 0.11 | 0.09 | 0.09 |
| Potassium | EPA 200.7 | mg/L | 261 | 271 | 273 | 310 | 276 | 287 | 257 | 258 | 264 | 261 |
| Potassium, Dissolved | EPA 200.7 | mg/L | 261 | 271 | 280 | 309 | 277 | 280 | 252 | 263 | 266 | 260 |
| QC Ratio TDS/SEC | Calculation | - | 0.67 | 0.67 | 0.69 | 0.68 | 0.68 | 0.70 | 0.70 | 0.68 | 0.69 | 0.68 |
| Reg. Org. Compounds (EPA 525) | EPA 525 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Salinity | SM2520B | psu | - | - | - | 28.8 | 29.1 | 29.4 | 29.6 | 29.7 | 29.7 | 29.3 |
| Silica as SiO2, Dissolved | EPA 200.7 | mg/L | 12 | 12 | 14 | ND | 13 | 10 | 12 | 13 | 17 | 16 |
| Sodium | EPA 200.7 | mg/L | 9,121 | 9,543 | 9,401 | 9,049 | 8,849 | 9,357 | 8,760 | 8,922 | 8,515 | 8,278 |
| Sodium, Dissolved | EPA 200.7 | mg/L | 9,170 | 9,480 | 9,680 | 9,150 | 8,980 | 9,170 | 8,740 | 9,060 | 8,580 | 8,230 |
| Specific Conductance (E.C) | SM2510B | µmhos/cm | 45,560 | 46,190 | 46,380 | 44,530 | 45,030 | 45,430 | 45,730 | 45,880 | 45,800 | 45,340 |
| Specific Conductance (E.C) (Field) | SM2510B | µmhos/cm | 46,403 | 46,259 | 46,381 | 44,112 | 45,258 | 45,810 | 45,693 | 45,759 | 45,762 | 45,685 |
| Strontium, Dissolved | EPA 200.8 | µg/L | 7,671 | 7,823 | 7,910 | 7,601 | 7,910 | 7,976 | 7,515 | 7,735 | 7,600 | 7,377 |
| Sulfate, Dissolved | EPA 300.0 | mg/L | 2,334 | 2,328 | 2,366 | 2,270 | 2,332 | 2,353 | 2,206 | 2,254 | 2,470 | 2,450 |
| Temperature (Field) | SM2550 | ° C | 15.1 | 15.0 | 15.0 | 15.1 | 15.4 | 15.5 | 15.4 | 15.6 | 15.8 | 15.9 |
| Total Diss. Solids | SM2540C | mg/L | 30,700 | 30,800 | 31,800 | 30,200 | 30,800 | 31,900 | 32,200 | 31,300 | 31,600 | 30,900 |
| Turbidity | EPA 180.1 | NTU | 0.10 | 0.10 | 0.30 | 1.6 | 0.35 | 0.30 | 0.35 | 0.20 | 0.25 | 0.25 |
| Turbidity (Field) | EPA 180.1 | NTU | 0.33 | 0.15 | 0.08 | 0.29 | 0.37 | 0.10 | 0.30 | 0.12 | 0.19 | 0.31 |
| Volatile Org. Compounds (524) | EPA 524 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Zinc | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Zinc, Total | EPA 200.8 | µg/L | - | - | - | - | - | - | - | - | - | - |
| PCBs, Total | EPA 508 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Total PCB | EPA 1668C | pg/L | - | - | - | - | - | - | - | - | - | - |

**Notes:**

°C = Degrees Celsius
CU = Color Units
Meq/L = Milliequivalents per Liter
mg/L = Milligrams per Liter
NTU = Nephelometric Turbidity Units
pg/L = Picograms per Liter
TON = Threshold Odor Number
µg/L = Micorgrams per Liter
µmhos/cm = Micromhos per Centimeter

ND = NOT DETECTED at or above the Reporting Limit (RL) or Practical Quantitation Limit (PQL). See laboratory water quality reports for RL and PQL values.

[1] Using EPA Method 200.8, Arsenic values are overstated due to matrix interference caused by high chloride levels. The overstated values are in laboratory reports through February 11, 2016. Going forward, EPA Method 1640 will be used for Arsenic analysis only.

## Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| | | Sample Collection Date: | 23-Jun-16 | 30-Jun-16 | 7-Jul-16 | 15-Jul-16 | 21-Jul-16 | 28-Jul-16 | 4-Aug-16 | 10-Aug-16 | 18-Aug-16 | 25-Aug-16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Constituent** | **Method** | **Units** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** | **Result** |
| Alkalinity, Total (as CaCO3) | SM2320B | mg/L | 113 | 114 | 113 | 114 | 113 | 114 | 115 | 114 | 113 | 116 |
| Aluminum, Total | EPA 200.8 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Ammonia-N, Dissolved | SM4500NH3 D | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Arsenic, Total [1] | EPA 200.8 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Arsenic, Total | EPA 1640 | µg/L | 0.33 | 0.30 | 0.27 | 0.27 | 0.28 | 0.18 | 0.27 | 0.23 | 0.22 | 0.24 |
| Barium, Dissolved | EPA 200.8 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Bicarbonate (as HCO3-) | SM2320B | mg/L | 138 | 139 | 138 | 139 | 138 | 139 | 140 | 139 | 138 | 142 |
| Boron, Dissolved | EPA 200.7 | mg/L | 3.46 | 3.58 | 3.21 | 3.18 | 3.53 | 3.40 | 3.54 | 3.18 | 3.61 | 3.37 |
| Bromide, Dissolved | EPA 300.0 | mg/L | 37.3 | 40.2 | 50.8 | 39.8 | 44.6 | 52.9 | 31.2 | 27.8 | 31.3 | 48.9 |
| Calcium | EPA 200.7 | mg/L | 489 | 510 | 482 | 471 | 559 | 495 | 486 | 520 | 505 | 490 |
| Calcium, Dissolved | EPA 200.7 | mg/L | 494 | 515 | 467 | 481 | 531 | 493 | 506 | 504 | 510 | 470 |
| Carbamates by HPLC (EPA 531) | EPA 531 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Carbonate as CaCO3 | SM2320B | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Chloride, Dissolved | EPA 300.0 | mg/L | 17,230 | 17,425 | 17,982 | 16,795 | 17,100 | 18,028 | 18,231 | 18,374 | 17,490 | 17,636 |
| Chlorinated Pesticides and PCB (EPA 5 | EPA 508 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Color, Apparent (Unfiltered) | SM2120B | Color Units | ND | ND | ND | ND | 3 | ND | ND | ND | ND | ND |
| Copper | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Copper, Total | EPA 200.8 | µg/L | - | - | - | - | - | - | - | - | - | - |
| DBCP & EDB | EPA 504.1 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Dioxin | EPA 1613 | pg/L | - | - | - | - | - | - | - | - | - | - |
| Diquat (EPA 549) | EPA 549 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Dissolved Anions | Calculation | Meq/L | 536.91 | 541.24 | 558.08 | 524.21 | 532.46 | 563.12 | 564.83 | 568.56 | 545.43 | 546.73 |
| Total Anions | Calculation | Meq/L | 536.91 | 541.24 | 558.08 | 524.21 | 532.46 | 563.12 | 564.83 | 568.56 | 545.43 | 546.73 |
| Dissolved Cations | Calculation | Meq/L | 505.36 | 544.69 | 514.15 | 518.34 | 556.30 | 517.87 | 529.65 | 512.33 | 531.64 | 494.71 |
| Total Cations | Calculation | Meq/L | 495.32 | 523.17 | 511.63 | 499.31 | 583.22 | 514.08 | 509.12 | 523.03 | 528.35 | 527.38 |
| Fluoride, Dissolved | EPA 300.0 | mg/L | ND | 1.2 | ND | 1 | 1.1 | 0.5 | 1.2 | 1.1 | 1.3 | ND |
| Hardness (as CaCO3) | SM2340B/Calc | mg/L | 5,907 | 6,009 | 5,799 | 5,611 | 6,531 | 5,918 | 5,785 | 6,038 | 6,310 | 5,671 |
| Hydroxide | SM2320B | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Iodide | EPA 9056M | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Iron | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Iron, Dissolved | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Kjehldahl Nitrogen, Dissolved | SM4500-NH3 B,C.E | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Lithium | EPA 200.8 | µg/L | 145 | 162 | 128 | 142 | 150 | 135 | 145 | 142 | 152 | 162 |
| Magnesium | EPA 200.7 | mg/L | 1,140 | 1,150 | 1,120 | 1,080 | 1,250 | 1,140 | 1,110 | 1,150 | 1,230 | 1,080 |
| Magnesium, Dissolved | EPA 200.7 | mg/L | 1,150 | 1,160 | 1,100 | 1,090 | 1,200 | 1,140 | 1,160 | 1,150 | 1,200 | 1,010 |
| Manganese, Dissolved | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Manganese, Total | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| MBAS (Surfactants) | SM5540C | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Nitrate as NO3 | EPA 300.0 | mg/L | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 |
| Nitrate+Nitrite as N | EPA 300.0 | mg/L | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.6 | 0.6 | 0.6 | 0.4 |
| Nitrite as NO2-N, Dissolved | EPA 300.0 | mg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Odor Threshold at 60 C | SM2150B | TON | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| o-Phosphate-P | Hach 8048 | mg/L | 0.11 | 0.11 | 0.10 | 0.11 | 0.10 | 0.10 | 0.10 | 0.11 | 0.11 | 0.10 |
| pH (Field Test) | SM4500-H+B | pH | 7.17 | 7.11 | 7.14 | 7.65 | 7.10 | 7.10 | 7.15 | 7.15 | 7.08 | 7.05 |
| pH (Laboratory) | SM4500-H+B | pH (H) | 7.3 | 7.2 | 7.3 | 7.2 | 7.2 | 7.3 | 7.2 | 7.2 | 7.2 | 7.3 |
| Phenoxy Acid Herbicides (515.3) | EPA 515.3 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Phosphorus, Dissolved Total | HACH 8190 | mg/L | 0.10 | 0.09 | 0.09 | 0.09 | 0.05 | 0.14 | 0.09 | 0.11 | 0.10 | 0.10 |
| Potassium | EPA 200.7 | mg/L | 262 | 276 | 262 | 279 | 317 | 273 | 285 | 285 | 306 | 285 |
| Potassium, Dissolved | EPA 200.7 | mg/L | 264 | 282.9 | 260.2 | 276 | 305 | 277.1 | 291 | 279 | 300 | 277 |
| QC Ratio TDS/SEC | Calculation | - | 0.69 | 0.65 | 0.68 | 0.66 | 0.68 | 0.69 | 0.69 | 0.68 | 0.67 | 0.67 |
| Reg. Org. Compounds (EPA 525) | EPA 525 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Salinity | SM2520B | psu | 29.3 | 29.4 | 29.7 | 29.3 | 29.1 | 29.1 | 28.6 | 29.4 | 29.8 | 29.2 |
| Silica as SiO2, Dissolved | EPA 200.7 | mg/L | 10 | 16 | 14 | 12 | 14 | 9.0 | 12 | 14 | 12 | 11 |
| Sodium | EPA 200.7 | mg/L | 8,515 | 9,104 | 8,936 | 8,731 | 10,215 | 8,933 | 8,879 | 9,084 | 9,060 | 9,351 |
| Sodium, Dissolved | EPA 200.7 | mg/L | 8,720 | 9,570 | 9,050 | 9,140 | 9,730 | 9,020 | 9,230 | 8,860 | 9,190 | 8,760 |
| Specific Conductance (E.C) | SM2510B | µmhos/cm | 45,330 | 45,380 | 45,800 | 45,240 | 45,000 | 45,070 | 44,370 | 45,360 | 46,050 | 45,200 |
| Specific Conductance (E.C) (Field) | SM2510B | µmhos/cm | 45,663 | 45,769 | 45,763 | 45,620 | 45,544 | 45,613 | 45,770 | 45,632 | 46,081 | 45,509 |
| Strontium, Dissolved | EPA 200.8 | µg/L | 7,438 | 7,460 | 7,791 | 7,147 | 7,366 | 7,164 | 7,552 | 7,884 | 7,620 | 7,785 |
| Sulfate, Dissolved | EPA 300.0 | mg/L | 2,309 | 2,250 | 2,299 | 2,286 | 2,267 | 2,476 | 2,296 | 2,282 | 2,370 | 2,221 |
| Temperature (Field) | SM2550 | ° C | 15.9 | 15.8 | 15.9 | 15.9 | 16.2 | 16.1 | 15.9 | 16.0 | 15.9 | 15.9 |
| Total Diss. Solids | SM2540C | mg/L | 31,300 | 29,700 | 31,000 | 29,800 | 30,700 | 30,900 | 30,800 | 30,800 | 30,800 | 30,200 |
| Turbidity | EPA 180.1 | NTU | 0.15 | 0.30 | 0.20 | .10 | 0.30 | 0.25 | 0.40 | 0.10 | 0.30 | 0.05 |
| Turbidity (Field) | EPA 180.1 | NTU | 0.34 | 0.26 | 0.21 | 0.16 | 0.17 | 0.33 | 0.27 | 0.14 | 0.12 | 0.24 |
| Volatile Org. Compounds (524) | EPA 524 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Zinc | EPA 200.7 | µg/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Zinc, Total | EPA 200.8 | µg/L | - | - | - | - | - | - | - | - | - | - |
| PCBs, Total | EPA 508 | µg/L | - | - | - | - | - | - | - | - | - | - |
| Total PCB | EPA 1668C | pg/L | - | - | - | - | - | - | - | - | - | - |

**Notes:**

°C = Degrees Celsius
CU = Color Units
Meq/L = Milliequivalents per Liter
mg/L = Milligrams per Liter
NTU = Nephelometric Turbidity Units
pg/L = Picograms per Liter
TON = Threshold Odor Number
µg/L = Micorgrams per Liter
µmhos/cm = Micromhos per Centimeter

ND = NOT DETECTED at or above the Reporting Limit (RL) or Practical Quantitation Limit (PQL). See laboratory water quality reports for RL and PQL values.

[1] Using EPA Method 200.8, Arsenic values are overstated due to matrix interference caused by high chloride levels. The overstated values are in laboratory reports through February 11, 2016. Going forward, EPA Method 1640 will be used for Arsenic analysis only.

## Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| | | Sample Collection Date: | 1-Sep-16 | 8-Sep-16 | 15-Sep-16 | 22-Sep-16 | 30-Sep-16 |
|---|---|---|---|---|---|---|---|
| **Constituent** | **Method** | **Units** | **Result** | **Result** | **Result** | **Result** | **Result** |
| Alkalinity, Total (as CaCO3) | SM2320B | mg/L | 116 | 117 | 116 | 115 | 117 |
| Aluminum, Total | EPA 200.8 | µg/L | ND | ND | ND | ND | ND |
| Ammonia-N, Dissolved | SM4500NH3 D | mg/L | ND | ND | ND | ND | ND |
| Arsenic, Total [1] | EPA 200.8 | µg/L | - | - | - | - | - |
| Arsenic, Total | EPA 1640 | µg/L | 0.27 | 0.23 | 0.22 | 0.22 | 0.22 |
| Barium, Dissolved | EPA 200.8 | µg/L | ND | ND | ND | ND | ND |
| Bicarbonate (as HCO3-) | SM2320B | mg/L | 142 | 143 | 142 | 140 | 143 |
| Boron, Dissolved | EPA 200.7 | mg/L | 3.20 | 3.23 | 3.20 | 3.17 | 3.41 |
| Bromide, Dissolved | EPA 300.0 | mg/L | 56.4 | 51.8 | 47.2 | 54.0 | 50 |
| Calcium | EPA 200.7 | mg/L | 461 | 461 | 460 | 494 | 492 |
| Calcium, Dissolved | EPA 200.7 | mg/L | 467 | 457 | 454 | 488 | 495 |
| Carbamates by HPLC (EPA 531) | EPA 531 | µg/L | - | - | - | - | - |
| Carbonate as CaCO3 | SM2320B | mg/L | ND | ND | ND | ND | ND |
| Chloride, Dissolved | EPA 300.0 | mg/L | 16,683 | 16,820 | 15,643 | 16,179 | 16,705 |
| Chlorinated Pesticides and PCB (EPA 5 | EPA 508 | µg/L | - | - | - | - | - |
| Color, Apparent (Unfiltered) | SM2120B | Color Units | ND | ND | ND | ND | ND |
| Copper | EPA 200.7 | µg/L | ND | ND | ND | ND | ND |
| Copper, Total | EPA 200.8 | µg/L | - | - | - | - | - |
| DBCP & EDB | EPA 504.1 | µg/L | - | - | - | - | - |
| Dioxin | EPA 1613 | pg/L | - | - | - | - | - |
| Diquat (EPA 549) | EPA 549 | µg/L | - | - | - | - | - |
| Dissolved Anions | Calculation | Meq/L | 521.27 | 526.22 | 493.31 | 508.70 | 523.28 |
| Total Anions | Calculation | Meq/L | 521.27 | 526.22 | 493.31 | 508.70 | 523.28 |
| Dissolved Cations | Calculation | Meq/L | 501.83 | 487.61 | 466.60 | 537.27 | 528.58 |
| Total Cations | Calculation | Meq/L | 512.46 | 489.96 | 483.65 | 530.53 | 543.94 |
| Fluoride, Dissolved | EPA 300.0 | mg/L | 0.8 | 1.1 | 0.9 | 1.0 | 0.9 |
| Hardness (as CaCO3) | SM2340B/Calc | mg/L | 5,286 | 5,619 | 5,534 | 5,924 | 5,874 |
| Hydroxide | SM2320B | mg/L | ND | ND | ND | ND | ND |
| Iodide | EPA 9056M | µg/L | ND | ND | ND | ND | ND |
| Iron | EPA 200.7 | µg/L | ND | ND | ND | ND | ND |
| Iron, Dissolved | EPA 200.7 | µg/L | ND | ND | ND | ND | ND |
| Kjehldahl Nitrogen, Dissolved | SM4500-NH3 B,C.E | mg/L | ND | ND | ND | ND | ND |
| Lithium | EPA 200.8 | µg/L | 166 | 156 | 153 | 132 | 138 |
| Magnesium | EPA 200.7 | mg/L | 1,000 | 1,080 | 1,060 | 1,140 | 1,130 |
| Magnesium, Dissolved | EPA 200.7 | mg/L | 968 | 1,060 | 1,040 | 1,060 | 1,130 |
| Manganese, Dissolved | EPA 200.7 | µg/L | ND | ND | ND | ND | ND |
| Manganese, Total | EPA 200.7 | µg/L | ND | ND | ND | ND | ND |
| MBAS (Surfactants) | SM5540C | mg/L | ND | ND | ND | ND | ND |
| Nitrate as NO3 | EPA 300.0 | mg/L | 3 | 5 | 4 | 4 | 5 |
| Nitrate+Nitrite as N | EPA 300.0 | mg/L | 0.6 | 1.1 | 1.1 | 1.0 | 1.1 |
| Nitrite as NO2-N, Dissolved | EPA 300.0 | mg/L | ND | ND | ND | ND | ND |
| Odor Threshold at 60 C | SM2150B | TON | 1 | 1 | 1 | 1 | 1 |
| o-Phosphate-P | Hach 8048 | mg/L | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 |
| pH (Field Test) | SM4500-H+B | pH | 7.06 | 7.06 | 7.08 | 7.09 | 7.09 |
| pH (Laboratory) | SM4500-H+B | pH (H) | 7.2 | 7.2 | 7.1 | 7.2 | 7.0 |
| Phenoxy Acid Herbicides (515.3) | EPA 515.3 | µg/L | - | - | - | - | - |
| Phosphorus, Dissolved Total | HACH 8190 | mg/L | 0.10 | 0.07 | 0.11 | 0.08 | 0.07 |
| Potassium | EPA 200.7 | mg/L | 269 | 273 | 273 | 271 | 283 |
| Potassium, Dissolved | EPA 200.7 | mg/L | 271.0 | 272 | 269 | 278 | 282 |
| QC Ratio TDS/SEC | Calculation | - | 0.69 | 0.66 | 0.67 | 0.66 | 0.68 |
| Reg. Org. Compounds (EPA 525) | EPA 525 | µg/L | - | - | - | - | - |
| Salinity | SM2520B | psu | 29.4 | 29.3 | 29.3 | 29.6 | 29.4 |
| Silica as SiO2, Dissolved | EPA 200.7 | mg/L | 12 | 12 | 13 | 12 | 13 |
| Sodium | EPA 200.7 | mg/L | 9,202 | 8,531 | 8,425 | 9,567 | 9,636 |
| Sodium, Dissolved | EPA 200.7 | mg/L | 9,010 | 8,520 | 8,080 | 9,680 | 9,280 |
| Specific Conductance (E.C) | SM2510B | µmhos/cm | 45,450 | 45,260 | 45,250 | 45,680 | 45,380 |
| Specific Conductance (E.C) (Field) | SM2510B | µmhos/cm | 45,669 | 45,720 | 45,362 | 45,682 | 45,648 |
| Strontium, Dissolved | EPA 200.8 | µg/L | 7,458 | 7,875 | 7,415 | 7,158 | 7,293 |
| Sulfate, Dissolved | EPA 300.0 | mg/L | 2,285 | 2,337 | 2,355 | 2,365 | 2,353 |
| Temperature (Field) | SM2550 | ° C | 16.1 | 16.2 | 16.1 | 16.1 | 16.1 |
| Total Diss. Solids | SM2540C | mg/L | 31,200 | 30,000 | 30,200 | 30,300 | 30,800 |
| Turbidity | EPA 180.1 | NTU | 0.25 | 0.15 | 0.25 | 0.20 | 0.15 |
| Turbidity (Field) | EPA 180.1 | NTU | 0.34 | 0.21 | 0.11 | 0.13 | 0.09 |
| Volatile Org. Compounds (524) | EPA 524 | µg/L | - | - | - | - | - |
| Zinc | EPA 200.7 | µg/L | ND | ND | ND | ND | ND |
| Zinc, Total | EPA 200.8 | µg/L | - | - | - | - | - |
| PCBs, Total | EPA 508 | µg/L | - | - | - | - | - |
| Total PCB | EPA 1668C | pg/L | - | - | - | - | - |

**Notes:**

°C = Degrees Celsius
CU = Color Units
Meq/L = Milliequivalents per Liter
mg/L = Milligrams per Liter
NTU = Nephelometric Turbidity Units
pg/L = Picograms per Liter
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µg/L = Micorgrams per Liter
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ND = NOT DETECTED at or above the Reporting Limit (RL) or Practical Quantitation Limit (PQL). See laboratory water quality reports for RL and PQL values.

[1] Using EPA Method 200.8, Arsenic values are overstated due to matrix interference caused by high chloride levels. The overstated values are in laboratory reports through February 11, 2016. Going forward, EPA Method 1640 will be used for Arsenic analysis only.

# APPENDICES

GEOSCIENCE

# APPENDIX A-1

## Coastal Development Permit # A-3-MRA-14-0050

## 8-Dec-14

GEOSCIENCE

STATE OF CALIFORNIA—NATURAL RESOURCES AGENCY EDMUND G. BROWN, JR., *GOVERNOR*

**CALIFORNIA COASTAL COMMISSION**

45 FREMONT, SUITE 2000
SAN FRANCISCO, CA 94105-2219
VOICE (415) 904-5200
FAX (415) 904-5400
TDD (415) 597-5885

# COASTAL DEVELOPMENT PERMIT

On November 12, 2014, by a vote of 11-0, the California Coastal Commission granted to California American Water Company (Cal-Am) Coastal Development Permit #A-3-MRA-14-0050 subject to the attached standard and special conditions, for development consisting of:

> Construction, operation, and decommissioning of a test slant well at the CEMEX sand mining facility in the City of Marina and beneath Monterey Bay in the County of Monterey.

Issued on behalf of the Coastal Commission on December 8, 2014.

CHARLES LESTER
Executive Director

By: ALISON J. DETTMER
Deputy Director
Energy, Ocean Resources, and Federal Consistency Division

Acknowledgment:

The undersigned Permittee acknowledges receipt of this permit and agrees to abide by all terms and conditions thereof.

The undersigned Permittee acknowledges that Government Code Section 818.4, which states in pertinent part, that: "A public entity is not liable for injury caused by the issuance... of any permit..." applies to the issuance of this permit.

IMPORTANT: THIS PERMIT IS NOT VALID UNLESS AND UNTIL A COPY OF THE PERMIT WITH THE SIGNED ACKNOWLEDGMENT HAS BEEN RETURNED TO THE COMMISSION OFFICE (14 Cal. Admin. Code Section 13158(a).)

12/8/14
Date

Signature of Permittee or Representative

## STANDARD CONDITIONS

This permit is subject to the following standard conditions:

1. **Notice of Receipt and Acknowledgment**. The permit is not valid and development shall not commence until a copy of the permit, signed by the Permittee or authorized agent, acknowledging receipt of the permit and acceptance of the terms and conditions, is returned to the Commission office.

2. **Expiration**. If development has not commenced, the permit will expire two years from the date on which the Commission voted on the application. Development shall be pursued in a diligent manner and completed in a reasonable period of time. Application for extension of the permit must be made prior to the expiration date.

3. **Interpretation**. Any questions of intent of interpretation of any condition will be resolved by the Executive Director or the Commission.

4. **Assignment**. The permit may be assigned to any qualified person, provided assignee files with the Commission an affidavit accepting all terms and conditions of the permit.

5. **Terms and Conditions Run with the Land**. These terms and conditions shall be perpetual, and it is the intention of the Commission and the Permittee to bind all future owners and possessors of the subject property to the terms and conditions.

## SPECIAL CONDITIONS

This permit is subject to the following special conditions:

1. **Proof of Legal Interest and Other Approvals.** The Permittee shall provide to the Executive Director a copy of each of the following approvals or documentation from the relevant agency that such approval is not required:
   a. PRIOR TO PERMIT ISSUANCE, proof of legal interest in the project site.
   b. PRIOR TO CONNECTING TO THE OUTFALL, the negotiated agreement or memorandum of understanding between the applicant and the Monterey Regional Water Pollution Control Agency ("MRWPCA") regarding connection and use of the ocean outfall for discharge of water produced from the test well.
   c. PRIOR TO ISSUANCE OF CDP 9-14-1735, a lease from the State Lands Commission.

   The Permittee shall inform the Executive Director of any changes to the project required by, or resulting from, these permits or approvals. Such changes shall not be incorporated into the project until the Permittee obtains a Commission amendment to this permit, unless the Executive Director determines that no amendment is legally required.

2. **Liability for Costs and Attorneys Fees.** The Permittee shall reimburse the Coastal Commission in full for all Coastal Commission costs and attorneys fees – including (a) those charged by the Office of the Attorney General; and (b) any court costs and attorneys fees that the Coastal Commission may be required by a court to pay – that the Coastal Commission incurs in connection with the defense of any action brought by a party other than the Permittee against the Coastal Commission, its officers, employees, agents, successors, and assigns challenging the approval or issuance of this permit, the interpretation and/or enforcement of permit conditions, or any other matter related to this permit. The Coastal Commission retains complete authority to conduct and direct the defense of any such action against the Coastal Commission.

3. **Project Construction.** The Permittee shall conduct project construction as described and conditioned herein, including the following measures:
   a. Project-related construction shall occur only in areas as described in the permit application.
   b. Project-related construction, including site preparation, equipment staging, and installation or removal of equipment or wells, occurring between February 28 and October 1 of any year is subject to the timing and species protection requirements of Special Condition 14.
   c. Construction equipment and materials, including project-related debris, shall be placed or stored where it cannot enter a storm drain or coastal waters. The Permittee shall ensure that all construction personnel keep all food-related trash items in sealed containers and remove them daily to discourage the concentration of potential predators in snowy plover habitat. All trash and construction debris shall be removed from work areas and properly disposed of at the end of each work day at an approved upland location. All vegetation removed from the construction site shall be taken to a certified landfill to prevent the spread of invasive species.
   d. To reduce construction noise, noise attenuation devices (e.g., noise blankets, sound baffles, etc.) shall be installed around all stationary construction equipment, including drill rigs.
   e. All project vehicles shall maintain speeds of 10 miles per hour or less when at the project site. Prior to moving any vehicle, project personnel shall visually inspect for special-status species under and around the vehicle, and shall notify the on-site biologist should any be detected.
   f. To avoid predation of special-status species, wire excluders or similar anti-perching devices shall be installed and maintained on the top of all aboveground structures (e.g., electrical panel) to deter perching by avian predators.

   No changes to these requirements shall occur without a Commission amendment to this permit unless the Executive Director determines that no amendment is legally required.

4. **Protection of Water Quality.** PRIOR TO COMMENCEMENT OF CONSTRUCTION, the Permittee shall submit an erosion control plan for Executive Director review and approval. The Plan shall include a schedule for the completion of erosion- and sediment-control structures, which ensures that all such erosion-control structures are in place by mid-November of the year that construction begins and maintained thereafter. The plan

shall identify standard Best Management Practices to be implemented to address both temporary and permanent measures to control erosion and reduce sedimentation. Site monitoring by the applicant's erosion-control specialist shall be undertaken and a follow-up report shall be prepared that documents the progress and/or completion of required erosion-control measures both during and after construction and decommissioning activities. No synthetic plastic mesh products shall be used in any erosion control materials. All plans shall show that sedimentation and erosion control measures are installed prior to any other ground disturbing work.

5. **Hazardous Material Spill Prevention and Response.**
   (a) PRIOR TO COMMENCEMENT OF CONSTRUCTION, the Permittee shall submit for Executive Director review and approval a project-specific Hazardous Materials Spill Prevention and Response Plan that includes:
   - an estimate of a reasonable worst case release of fuel or other hazardous materials onto the project site or into adjacent sensitive habitat areas or coastal waters resulting from project operations;
   - all identified locations within the project footprint of known or suspected buried hazardous materials, including current or former underground storage tanks, septic systems, refuse disposal areas, and the like;
   - specific protocols for monitoring and minimizing the use of fuel and hazardous materials during project operations, including Best Management Practices that will be implemented to ensure minimal impacts to the environment;
   - a detailed response and clean-up plan in the event of a spill or accidental discharge or release of fuel or hazardous materials;
   - a list of all spill prevention and response equipment that will be maintained on-site;
   - the designation of the onsite person who will have responsibility for implementing the plan;
   - a telephone contact list of all regulatory and public trustee agencies, including Coastal Commission staff, having authority over the development and/or the project site and its resources to be notified in the event of a spill or material release; and,
   - a list of all fuels and hazardous materials that will be used or might be used during the proposed project, together with Material Safety Data Sheets for each of these materials.

   The Permittee shall implement the Plan as approved by the Executive Director. The Permittee shall also ensure that all onsite project personnel participate in a training program that describes the above-referenced Plan, identifies the Plan's requirements for implementing Best Management Practices to prevent spills or releases, specifies the location of all clean-up materials and equipment available on site, and specifies the measures that are to be taken should a spill or release occur.

(b) In the event that a spill or accidental discharge of fuel or hazardous materials occurs during project construction or operations, all non-essential project construction and/or operation shall cease and the Permittee shall implement spill response measures of the approved Plan, including notification of Commission staff. Project construction and/or operation shall not start again until authorized by Commission staff.

(c) If project construction or operations result in a spill or accidental discharge that causes adverse effects to coastal water quality, ESHA, or other coastal resources, the Permittee shall submit an application to amend this permit, unless the Executive Director determines no amendment is required. The application shall identify proposed measures to prevent future spills or releases and shall include a proposed restoration plan for any coastal resources adversely affected by the spill or release.

The Permittee shall implement the Plan as approved by the Executive Director.

6. **Monitoring and Removal of Temporary Structures, Well Head Burial & Well Closure/Destruction.** The Permittee shall monitor beach erosion at least once per week over the duration of the project to ensure the slant well and monitoring wells remain covered. If the wellheads, linings, casings, or other project components become exposed due to erosion, shifting sand or other factors, the Permittee shall immediately take action to reduce any danger to the public or to marine life and shall submit within one week of detecting the exposed components a complete application for a new or amended permit to remedy the exposure.

   Upon project completion, and no later than February 28, 2018, the Permittee shall cut off, cap, and bury the slant well head at least 40 feet below the ground surface, and shall completely remove all other temporary facilities approved by this coastal development permit. To ensure timely removal, the Permittee shall post the bond or other surety device as required by **Special Condition 17** to ensure future removal measures would be appropriately supported and timed to prevent any future resurfacing of the well casing or other project components.

7. **Assumption of Risk, Waiver of Liability and Indemnity.** By acceptance of this permit, the Permittee acknowledges and agrees:
   a. that the site may be subject to hazards from coastal erosion, storm conditions, wave uprush, and tsunami runup;
   b. to assume the risks to the Permittee and the property that is the subject of this permit of injury and damage from such hazards in connection with this permitted development;
   c. to unconditionally waive any claim of damage or liability against the Commission, its officers, agents, and employees for injury or damage from such hazards; and
   d. to indemnify and hold harmless the Commission, its officers, agents, and employees with respect to the Commission's approval of the project against any and all liability, claims, demands, damages, costs (including costs and fees incurred in defense of such claims), expenses, and amounts paid in settlement arising from any injury or damage due to such hazards.

8. **No Future Shoreline Protective Device.** By acceptance of this permit, the Permittee agrees, on behalf of itself and all other successors and assigns, that no shoreline protective device(s) shall ever be constructed to protect the development approved pursuant to this permit, including the wells, supporting infrastructure, and any future improvements, in the event that the development is threatened with damage or destruction from waves, erosion, storm conditions or other natural hazards in the future. By acceptance of this permit, the Permittee hereby waives, on behalf of itself and all successors and assigns, any rights to construct such devices that may exist under Public Resources Code Section 30235.

   By acceptance of this permit, the Permittee further agrees, on behalf of itself and all successors and assigns, that the Permittee shall remove the development authorized by this permit, including the wells, supporting infrastructure, and any future improvements, if any government agency with the requisite jurisdiction and authority has ordered, and the Executive Director has concurred, that the development is not to be used due to any of the hazards identified in **Special Condition 7**. In the event that portions of the development fall to the beach before they are removed, the Permittee shall remove all recoverable debris associated with the development from the beach and ocean and lawfully dispose of the material in an approved disposal site. Such removal shall require a coastal development permit.

9. **Geology/Hazards.** The project shall be designed to meet or exceed all applicable requirements of the California Building Code. Project design and construction shall meet or exceed all applicable feasible conclusions and recommendations in the *Geotechnical Investigation for the California American Water Temporary Slant Test Well Project, Marina, Monterey County*, California, dated April 3, 2014 (GeoSoils 2014). Project components shall be sited to avoid areas identified in the coastal erosion memorandum prepared by ESA-PWA (March 2014) as subject to coastal erosion during the duration of the project.

10. **Visual Resources.** PRIOR TO PERMIT ISSUANCE, the Permittee shall submit for Executive Director review and approval a Lighting Plan prepared by a qualified engineer that includes the following:
    a. Identifies all lighting and associated infrastructure proposed for use during the test well project, such as towers, poles, electrical lines, etc. The Lighting Plan shall identify the locations, heights, dimensions, and intensity of the lighting and associated lighting infrastructure.
    b. Evaluates the effects of project lighting and associated infrastructure on wildlife in the project area and describes proposed measures to avoid or minimize any adverse effects. These measures may include shielding project lighting from off-site locations, directing lighting downward, using the minimum amount of lighting necessary to ensure project safety, and other similar measures.
    c. Affirms that all lighting structures and fixtures installed for use during the project and visible from public areas, including shoreline areas of Monterey Bay, will be painted or finished in neutral tones that minimize their visibility from those public areas.

    The Permittee shall implement the Lighting Plan as approved by the Executive Director.

11. **Protection of Nearby Wells.** PRIOR TO STARTING PROJECT-RELATED PUMP TESTS, the Permittee shall install monitoring devices a minimum of four wells on the CEMEX site, within 2000 feet of the test well, and one or more offsite wells to record water and salinity levels within the wells and shall provide to the Executive Director the baseline water and Total Dissolved Solids ("TDS") levels in those wells prior to commencement of pumping from the test well. The Hydrogeology Working Group shall establish the baseline water and TDS levels for the monitoring wells. During the project pump tests, the Permittee shall, at least once per day, monitor water and TDS levels within those wells in person and/or with electronic logging devices. The Permittee shall post data collected from all monitoring wells on a publicly-available internet site at least once per week and shall provide all monitoring data to the Executive Director upon request. If water levels drop more than one-and-one-half foot, or if TDS levels increase more than two thousand parts per million from pre-pump test conditions, the Permittee shall immediately stop the pump test and inform the Executive Director. The Hydrogeology Working Group shall examine the data from Monitoring Well 4 if the test well is shut down due to either of these causes. The Hydrogeology Working Group shall determine whether the drop in water level or increase in TDS is from a cause or causes other than the test well, and it will submit its determination to the Executive Director. If the Executive Director agrees with the Hydrogeology Working Group that the cause of the drop in water level or increase in TDS was a source or sources other than the test well, then the Executive Director may allow testing to resume. If, however, the Executive Director determines that the drop in water level was caused at least in part by the test well, then the Permittee shall not re-start the pump test until receiving an amendment to this permit.

12. **Protection of Biological Resources – Biological Monitor(s).** PRIOR TO COMMENCEMENT OF CONSTRUCTION, the Permittee shall retain one or more qualified biologists approved by the Executive Director to ensure compliance with all relevant mitigation measures and Special Conditions. The approved biologist(s) shall conduct the required preconstruction surveys, implement ongoing monitoring and inspections, keep required records, and notify Commission staff and staff of other agencies as necessary regarding project conformity to these measures and Special Conditions.

    The approved biologist(s) shall be present during daylight hours for all project construction and decommissioning activities and on a periodic basis when the biologist determines operational activities may affect areas previously undisturbed by project activities. The biologist(s) shall monitor construction equipment access and shall have authority to halt work activities, if the potential for impacts to special-status species or habitat is identified, until the issue can be resolved. The qualified biologist(s) shall immediately report any observations of significant adverse effects on special-status species to the Executive Director.

13. **Protection of Biological Resources – Training of On-site Personnel.** Prior to starting construction and decommissioning activities, the approved biologist(s) shall conduct an environmental awareness training for all construction personnel that are on-site during activities. The training shall include, at a minimum, the following:
    - Descriptions of the special-status species with potential to occur in the project area;
    - Habitat requirements and life histories of those species as they relate to the project;
    - Avoidance, minimization, and mitigation measures that will be implemented to avoid impacts to the species and their habitats;
    - Identification of the regulatory agencies and regulations that manage their protection; and,
    - Consequences that may result from unauthorized impacts or take of special-status species and their habitats.

    The training shall include distribution of an environmental training brochure, and collection of signatures from all attendees acknowledging their participation in the training. Subsequent trainings shall be provided by the qualified biologist as needed for additional construction or operations workers through the life of the project.

14. **Protection of Biological Resources – Pre-Construction and Pre-Disturbance Surveys.** The approved biologist(s) shall conduct pre-construction surveys for special-status species as described below:
    a. No more than 14 days before the start of onsite activities or any activities planned for areas previously undisturbed by project activities, the biologist(s) shall conduct a field evaluation of the nature and extent of Western snowy plover activity in the project area and shall identify measures needed to ensure construction activities minimize potential effects to the species. Those measures shall, at a minimum, meet the standards and requirements of the mitigation measures included in Exhibit 5 as well as those included in subsection (d) of this special condition. Those measures shall also be submitted for Executive Director review and approval at least five days before the start of construction activities. The Permittee shall implement the measures as approved by the Executive Director.
    b. Prior to construction or activities planned for areas previously undisturbed by project activities, the approved biologist(s) shall coordinate with construction crews to identify and mark the boundaries of project disturbance, locations of special-status species and suitable habitat, avoidance areas, and access routes. GPS data collected during preconstruction surveys completed in 2012, 2013, and 2014 shall be used to flag the known locations of Monterey spineflower and buckwheat for avoidance during construction. Avoidance buffers shall be established and flagged or fenced as necessary to avoid surface disturbance or vegetation removal. The monitoring biologist shall fit the placement of flags and fencing to minimize impacts to any sensitive resources. At a minimum, the biologist shall direct the placement of highly visible exclusion fencing (snow fence or similar) at the following locations:
        - around sensitive snowy plover habitat areas that do not require regular access;
        - areas along the northern edge of the CEMEX accessway in the vicinity of the settling ponds; and
        - between the work area and any identified occurrence of Monterey spineflower or buckwheat within 10 feet of the existing accessway or work area.

All delineated areas of temporary fencing shall be shown on grading plans and shall remain in place and functional throughout the duration of construction and decommissioning activities.

c. The approved biologist(s) shall conduct surveys for Monterey spineflower and buckwheat (host plant for Smith's blue butterfly) within all project disturbance areas and within 20 feet of project boundaries during the blooming period for the spineflower (April-June) to identify and record the most current known locations of these species in the project vicinity. Surveys shall be conducted by a qualified botanist, and shall include collection of Global Positioning System (GPS) data points for use during flagging of sensitive plant species locations and avoidance buffers prior to construction.

d. Starting no later than February 1 of each year of project construction, operation, and decommissioning, the approved biologist(s) shall conduct breeding and nesting surveys of sensitive avian species within 500 feet of the project footprint. The approved biologist(s) shall continue those surveys at least once per week during periods of project construction, well re-packing, and decommissioning that occur between February 1 and October 1 each year.

In the event that any sensitive species are present in the project area but do not exhibit reproductive behavior and are not within the estimated breeding/reproductive cycle of the subject species, the qualified biologist shall either: (1) initiate a salvage and relocation program prior to any excavation/maintenance activities to move sensitive species by hand to safe locations elsewhere along the project reach or (2) as appropriate, implement a resource avoidance program with sufficient buffer areas to ensure adverse impacts to such resources are avoided. The Permittee shall also immediately notify the Executive Director of the presence of such species and which of the above actions are being taken. If the presence of any such sensitive species requires review by the United States Fish and Wildlife Service and/or the California Department of Fish and Game, then no development activities shall be allowed or continue until any such review and authorizations to proceed are received and also authorizes construction to proceed.

If an active nest of a federally or state-listed threatened or endangered species, species of special concern, or any species of raptor or heron is found, the Permittee shall notify the appropriate State and Federal wildlife agencies within 24 hours, and shall develop an appropriate action specific to each incident. The Permittee shall notify the California Coastal Commission in writing by facsimile or e-mail within 24 hours and consult with the Commission regarding determinations of State and Federal agencies.

If the biologist(s) identify an active nest of any federally- or state-listed threatened or endangered species, species of special concern, or any species of raptor or heron within 300 feet of construction activities (500 feet for raptors), the biologist(s) shall monitor bird behavior and construction noise levels. The biologist(s) shall be present at all relevant construction meetings and during all significant construction activities (those with potential noise impacts) to ensure that nesting birds are not disturbed by

construction-related noise. The biologist(s) shall monitor birds and noise every day at the beginning of the project and during all periods of significant construction activities. Construction activities may occur only if construction noise levels are at or below a peak of 65 dB at the nest(s) site. If construction noise exceeds a peak level of 65 dB at the nest(s) site, sound mitigation measures such as sound shields, blankets around smaller equipment, mixing concrete batches off-site, use of mufflers, and minimizing the use of back-up alarms shall be employed. If these sound mitigation measures do not reduce noise levels, construction within 300 ft. (500 ft. for raptors) of the nesting areas shall cease and shall not re-start until either new sound mitigation can be employed or nesting is complete.

If active plover nests are located within 300 feet of the project or access routes, avoidance buffers shall be established to minimize potential disturbance of nesting activity, and the biologist shall coordinate with and accompany the Permittee's operational staff as necessary during the nesting season to guide access and activities to avoid impacts to nesting plovers. The biologist shall contact the USFWS and CDFW immediately if a nest is found in areas near the wellhead that could be affected by project operations. Operations shall be immediately suspended until the Permittee submits to the Executive Director written authorization to proceed from the USFWS.

If, after starting project activities, the Permittee must stop construction due to the presence of sensitive species or due to the lack of necessary approvals or permits (e.g., a lease from the State Lands Commission), the Permittee shall remove and properly store all project-related equipment and vehicles away from the project site in a manner that does not adversely affect sensitive species.

15. **Project Area Restoration.** PRIOR TO COMMENCEMENT OF CONSTRUCTION, the Permittee shall prepare a Restoration Plan for review and approval by the Executive Director that is consistent with the City of Marina restoration requirements as codified in Municipal Code Section 17.41.100. The Plan shall include, at a minimum:
    a. a description of the habitat characteristics and extent of the area to be restored, which shall include, at a minimum, all areas of temporary disturbance in the project footprint other than those areas actively in use by CEMEX for mining purposes;
    b. performance standards and success criteria to be used;
    c. a minimum 3:1 ratio of native plants to be replaced within the affected area;
    d. an invasive species control program to be implemented for the duration of the project;
    e. the timing of proposed restoration activities;
    f. proposed methods to monitor restoration performance and success for at least five years following initiation of the Plan; and
    g. identification of all relevant conditions, requirements, and approvals by regulatory agencies needed to implement the Plan.

    The Permittee shall implement the Plan: (1) during and immediately following construction and prior to operation of the test well, and (2) during and immediately following decommissioning activities.

Success criteria will include plant cover and species composition/diversity, which shall meet or exceed adjacent undisturbed dune habitat on the CEMEX parcel as determined by the biological monitor. Success criteria shall, at a minimum, be consistent with the requirements of the existing Lapis Revegetation Plan prepared for the RMC Lonestar Lapis Sand Plant (25 percent average vegetative cover and species diversity of all species listed in Group A of the Plan present and providing at least 1 percent cover).

16. **Invasive Species Control.** The Permittee shall remove and properly dispose of at a certified landfill all invasive or exotic plants disturbed or removed during project activities. The Permittee shall use existing on-site soils for fill material to the extent feasible. If the use of imported fill material is necessary, the imported material must be obtained from a source that is known to be free of invasive plant species, or the material must consist of purchased clean material.

17. **Posting of Bond.** To ensure timely removal, PRIOR TO COMMENCEMENT OF CONSTRUCTION, the Permittee shall provide to the Commission a surety bond or similar security device acceptable to the Executive Director for $1,000,000 (one million dollars), and naming the Coastal Commission as the assured, to guarantee the Permittee's compliance with Special Conditions 6 and 15. The surety bond or other security device shall be maintained in full force and effect at all times until Special Conditions 6 and 15 have been met.

# APPENDIX A-2

## Coastal Development Permit Amendment # A-3-MRA-14-0050-A1

## 13-Oct-15

GEOSCIENCE

CALIFORNIA COASTAL COMMISSION
45 FREMONT, SUITE 2000
SAN FRANCISCO, CA 94105-2219
VOICE AND TDD (415) 904-5200
FAX (415) 904-5400


October 13, 2015
Permit No. **A-3-MRA-14-0050-A1**

# COASTAL DEVELOPMENT PERMIT AMENDMENT

On October 6, 2015, by a vote of 12-0, the California Coastal Commission granted to California American Water Company Coastal Development Permit Amendment No. A-3-MRA-14-0050-A1, subject to the attached standard and special conditions, for development consisting of:

> Construction, operation, and decommissioning of a test slant well and associated monitoring wells, equipment, and infrastructure at the CEMEX sand mining facility.

The development is located in the coastal zone in the City of Marina, County of Monterey, and in the Commission's retained jurisdiction.

Issued on behalf of the Coastal Commission on October 13, 2015.

CHARLES LESTER
Executive Director

for By: ALISON DETTMER
Deputy Director, Energy, Ocean Resources, and Federal Consistency Division

Acknowledgment:

The undersigned permittee(s) acknowledges receipt of this permit and agrees to abide by all terms and conditions thereof.

The undersigned permittee(s) acknowledges that Government Code Section 818.4, which states in pertinent part, that: "A public entity is not liable for injury caused by the issuance...of any permit..." applies to the issuance of this permit.

IMPORTANT: THE PERMIT IS NOT VALID UNLESS AND UNTIL A COPY OF THE PERMIT WITH THE SIGNED ACKNOWLEDGMENT HAS BEEN RETURNED TO THE COMMISSION OFFICE. (*14 Cal. Admin. Code Section 13158(a).*)

10/13/15
Date

Signature of Permittee or Representative

## SPECIAL CONDITIONS

This **Special Condition** modifies **Special Condition 11** as initially imposed by the Commission in Coastal Development Permit A-3-MRA-14-0050. Standard Conditions 1-5 and Special Conditions 1-10 and 12-17 of that permit shall remain in full force and effect. **Special Condition 11** now requires:

> "**Protection of Nearby Wells.** PRIOR TO STARTING PROJECT-RELATED PUMPING TESTS, the Permittee shall install monitoring devices at a minimum of four wells on the CEMEX site, within 2000 feet of the test well, and one or more offsite wells to record groundwater and salinity levels within the wells and shall provide to the Executive Director the baseline groundwater and Total Dissolved Solids ("TDS") levels in those wells prior to commencement of pumping from the test well.
>
> The Permittee, in coordination with the Hydrogeology Working Group, shall identify groundwater elevation trends and TDS level trends in the groundwater basin resulting from regional influences such as groundwater withdrawals, rainfall events, increases or decreases in streamflow contributions, and other influences. During the project pumping tests, the Permittee shall, at least once per day, monitor groundwater and TDS levels within the monitoring wells in person and/or with electronic logging devices. The Permittee shall post data collected from all monitoring wells on a publicly-available internet site at least once per week and shall provide all monitoring data to the Executive Director upon request.
>
> The Hydrogeology Working Group shall review data from the monitoring wells and prepare a monthly report that shall be submitted to the Executive Director that documents the groundwater elevation trends and TDS level trends resulting from regional influences. If during the pumping tests, data collected from Monitoring Well-4S ("MW4-S") or Monitoring Well-4M ("MW-4M") during any weekly monitoring period show either a decrease in groundwater levels that exceeds an identified decrease in regional groundwater level trends by 1.5 feet or more or show an increase in TDS levels that exceeds an identified increase in regional TDS level trends by two thousand parts per million or more, the Permittee shall immediately stop the pumping test and inform the Executive Director. The Hydrogeology Working Group shall examine the data from Monitoring Well 4 if the pumping test is stopped due to either of these causes.
>
> If, based on the above review of monitoring data, the Executive Director or the Hydrogeology Working Group determines that the pumping test caused, at MW-4S or MW4-M, either a decrease in groundwater level of 1.5 feet or more or caused an increase in TDS levels of two thousand parts per million or more in excess of identified regional trends, then the Permittee shall not re-start the pumping test until receiving an amendment to this permit; otherwise the Executive Director will allow the pumping test to resume."

# APPENDIX B

## Groundwater Level and Salinity Instrument Data

## 12-October-16 - 19-October-16

GEOSCIENCE

Report Date: 10/21/2016 8:24:47 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-1D LT Test_2016-10-20_12-10-14-599-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-1D
Device Name:
Serial Number: 438507
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 2

Log Configuration
Log Name: MPWSP MW-1D LT Test
Created By: ELinden
Computer Name: PROBOOK2
Application: WinSitu.exe
Application Version: 5.6.27.1
Create Date: 4/21/2016 4:56:53 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: 4/21/2016 6:00:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: 34.5229 (ft)
Head Pressure: 15.3258 (PSI)
Temperature: 21.9902 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

---

Log Notes:

| Date and Time | Note |
|---|---|
| 4/21/2016 4:57:02 PM | Used Battery: 2% Used Memory: 1% User Name: ELinden |
| 4/22/2016 10:32:18 AM | Log Download - Used Battery: 2% Used Memory: 1% User Name: SKuiper Interval - Start Time: 4/21/2016 6:00:00 PM Stop Time: 4/22/2016 11:30:00 AM |
| 4/28/2016 10:59:03 AM | Log Download - Used Battery: 2% Used Memory: 1% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 10:45:00 AM |
| 5/5/2016 12:29:13 PM | Log Download - Used Battery: 3% Used Memory: 3% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 12:30:00 PM |
| 5/12/2016 3:48:01 PM | Log Download - Used Battery: 3% Used Memory: 3% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 5:00:00 PM |
| 5/19/2016 4:19:06 PM | Log Download - Used Battery: 3% Used Memory: 4% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 5:00:00 PM |
| 5/26/2016 2:12:28 PM | Log Download - Used Battery: 4% Used Memory: 4% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 2:30:00 PM |
| 6/2/2016 2:17:55 PM | Log Download - Used Battery: 4% Used Memory: 6% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 2:15:00 PM |
| 6/9/2016 10:52:59 AM | Log Download - Used Battery: 4% Used Memory: 6% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 11:45:00 AM |
| 6/16/2016 5:31:57 PM | Log Download - Used Battery: 5% Used Memory: 7% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 6:15:00 PM |
| 6/23/2016 3:41:29 PM | Log Download - Used Battery: 5% Used Memory: 7% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 4:00:00 PM |
| 7/1/2016 9:13:42 AM | Log Download - Used Battery: 6% Used Memory: 9% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 9:45:00 AM |
| 7/8/2016 9:11:42 AM | Log Download - Used Battery: 6% Used Memory: 9% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 9:45:00 AM |
| 7/14/2016 12:33:36 PM | Log Download - Used Battery: 6% Used Memory: 10% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 1:45:00 PM |
| 7/21/2016 1:47:48 PM | Log Download - Used Battery: 7% Used Memory: 10% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 2:15:00 PM |
| 7/28/2016 2:39:17 PM | Log Download - Used Battery: 7% Used Memory: 12% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 3:15:00 PM |
| 8/4/2016 12:00:20 PM | Log Download - Used Battery: 7% Used Memory: 14% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 12:00:00 PM |
| 8/11/2016 1:48:32 PM | Log Download - Used Battery: 8% Used Memory: 14% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 2:45:00 PM |
| 8/18/2016 11:10:51 AM | Log Download - Used Battery: 8% Used Memory: 15% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 11:00:00 AM |
| 8/25/2016 4:46:04 PM | Log Download - Used Battery: 8% Used Memory: 15% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 5:45:00 PM |
| 9/1/2016 1:09:39 PM | Log Download - Used Battery: 9% Used Memory: 17% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 1:00:00 PM |
| 9/8/2016 11:26:51 AM | Log Download - Used Battery: 9% Used Memory: 17% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 11:15:00 AM |
| 9/15/2016 6:25:15 PM | Log Download - Used Battery: 10% Used Memory: 18% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 7:15:00 PM |
| 9/22/2016 3:53:02 PM | Log Download - Used Battery: 10% Used Memory: 18% User Name: ANorris Interval - |

Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 4:45:00 PM
10/2/2016 8:41:47 AM Log Download - Used Battery: 10% Used Memory: 20% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/2/2016 9:30:00 AM
10/7/2016 6:15:57 PM Log Download - Used Battery: 11% Used Memory: 20% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 7:00:00 PM
10/13/2016 1:17:34 PM Log Download - Used Battery: 11% Used Memory: 21% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 1:30:00 PM
10/20/2016 12:08:32 PM Log Download - Used Battery: 11% Used Memory: 21% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 12:45:00 PM
10/21/2016 8:23:58 AM User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl""

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Log Data:
Record Count: 729
Sensors: 2
1 - 438507: PCTD 300 PSIA (200.7m/658.7ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

| | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: Baro-Adj Calc |
|---|---|---|---|---|---|---|---|---|---|---|
| | SN#: 438507 | SN#: 438507 | SN#: 438507 | SN#: 438507 | SN#: 438507 | SN#: 438507 | SN#: 438507 | SN#: 438507 | SN#: 438507 | SN#: 000000 |
| Date and Time | Elapsed Time Seconds | Corrected Pressure (PSI) | Temperature (C) | Corrected Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppm) | Resistivity (ohm-cm) | Water Density (g/cm3) | Barometric Pressure (PSI) |
| 10/13/2016 12:00:00 AM | 7200.000 | 120.217 | 19.108 | 270.801 | 40932.371 | 46122.813 | 30.189 | 31363.516 | 24.431 | 1.021 | 14.771 |
| 10/13/2016 12:15:00 AM | 8100.000 | 120.180 | 19.107 | 270.718 | 40929.762 | 46120.828 | 30.187 | 31362.166 | 24.432 | 1.021 | 14.771 |
| 10/13/2016 12:30:00 AM | 9000.000 | 120.136 | 19.104 | 270.617 | 40920.941 | 46113.828 | 30.182 | 31357.406 | 24.437 | 1.021 | 14.773 |
| 10/13/2016 12:45:00 AM | 9900.000 | 120.098 | 19.107 | 270.532 | 40925.035 | 46115.500 | 30.184 | 31358.543 | 24.435 | 1.021 | 14.775 |
| 10/13/2016 1:00:00 AM | 10800.000 | 120.067 | 19.104 | 270.462 | 40908.516 | 46099.914 | 30.172 | 31347.941 | 24.445 | 1.021 | 14.777 |
| 10/13/2016 1:15:00 AM | 11700.000 | 120.006 | 19.104 | | | | | | | | |

| | | | |
|---|---|---|---|
| 270.326 | 40932.797 | 46127.102 | 30.192 |
| 31366.430 | 24.430 | 1.021 | 14.782 |
| 10/13/2016 1:30:00 AM | 12600.000 | 119.993 | 19.102 |
| 270.295 | 40935.516 | 46132.773 | 30.196 |
| 31370.289 | 24.429 | 1.021 | 14.772 |
| 10/13/2016 1:45:00 AM | 13500.000 | 119.955 | 19.105 |
| 270.210 | 40918.281 | 46109.707 | 30.179 |
| 31354.604 | 24.439 | 1.021 | 14.770 |
| 10/13/2016 2:00:00 AM | 14400.000 | 119.937 | 19.102 |
| 270.169 | 40957.023 | 46156.914 | 30.214 |
| 31386.703 | 24.416 | 1.021 | 14.774 |
| 10/13/2016 2:15:00 AM | 15300.000 | 119.897 | 19.099 |
| 270.079 | 40900.848 | 46096.035 | 30.169 |
| 31345.307 | 24.449 | 1.021 | 14.774 |
| 10/13/2016 2:30:00 AM | 16200.000 | 119.914 | 19.101 |
| 270.119 | 40907.801 | 46101.707 | 30.173 |
| 31349.162 | 24.445 | 1.021 | 14.772 |
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| 269.999 | 40901.719 | 46092.516 | 30.167 |
| 31342.910 | 24.449 | 1.021 | 14.773 |
| 10/13/2016 3:00:00 AM | 18000.000 | 119.884 | 19.109 |
| 270.051 | 40906.594 | 46093.254 | 30.167 |
| 31343.414 | 24.446 | 1.021 | 14.778 |
| 10/13/2016 3:15:00 AM | 18900.000 | 119.888 | 19.105 |
| 270.059 | 40950.449 | 46146.570 | 30.206 |
| 31379.670 | 24.420 | 1.021 | 14.769 |
| 10/13/2016 3:30:00 AM | 19800.000 | 119.912 | 19.103 |
| 270.114 | 40930.426 | 46126.168 | 30.191 |
| 31365.797 | 24.432 | 1.021 | 14.764 |
| 10/13/2016 3:45:00 AM | 20700.000 | 119.930 | 19.108 |
| 270.154 | 40905.625 | 46092.770 | 30.167 |
| 31343.086 | 24.447 | 1.021 | 14.763 |
| 10/13/2016 4:00:00 AM | 21600.000 | 119.909 | 19.111 |
| 270.106 | 40913.832 | 46099.410 | 30.172 |
| 31347.602 | 24.442 | 1.021 | 14.761 |
| 10/13/2016 4:15:00 AM | 22500.000 | 119.977 | 19.103 |
| 270.260 | 40916.898 | 46109.969 | 30.179 |
| 31354.779 | 24.440 | 1.021 | 14.763 |
| 10/13/2016 4:30:00 AM | 23400.000 | 120.000 | 19.099 |
| 270.311 | 40905.512 | 46101.465 | 30.173 |
| 31348.998 | 24.447 | 1.021 | 14.759 |
| 10/13/2016 4:45:00 AM | 24300.000 | 120.010 | 19.106 |
| 270.333 | 40906.406 | 46095.730 | 30.169 |
| 31345.098 | 24.446 | 1.021 | 14.757 |
| 10/13/2016 5:00:00 AM | 25200.000 | 120.075 | 19.101 |
| 270.480 | 40894.313 | 46086.672 | 30.162 |
| 31338.939 | 24.453 | 1.021 | 14.757 |
| 10/13/2016 5:15:00 AM | 26100.000 | 120.113 | 19.105 |
| 270.565 | 40910.238 | 46100.996 | 30.173 |
| 31348.678 | 24.444 | 1.021 | 14.761 |
| 10/13/2016 5:30:00 AM | 27000.000 | 120.164 | 19.107 |
| 270.681 | 40909.629 | 46098.141 | 30.171 |
| 31346.736 | 24.444 | 1.021 | 14.759 |
| 10/13/2016 5:45:00 AM | 27900.000 | 120.192 | 19.109 |

| | | | |
|---|---|---|---|
| 270.744 | 40940.125 | 46130.430 | 30.195 |
| 31368.693 | 24.426 | 1.021 | 14.755 |
| 10/13/2016 6:00:00 AM | 28800.000 | 120.253 | 19.110 |
| 270.882 | 40911.715 | 46097.895 | 30.171 |
| 31346.568 | 24.443 | 1.021 | 14.758 |
| 10/13/2016 6:15:00 AM | 29700.000 | 120.297 | 19.109 |
| 270.982 | 40907.934 | 46094.590 | 30.168 |
| 31344.324 | 24.445 | 1.021 | 14.758 |
| 10/13/2016 6:30:00 AM | 30600.000 | 120.338 | 19.109 |
| 271.072 | 40940.395 | 46130.641 | 30.195 |
| 31368.838 | 24.426 | 1.021 | 14.760 |
| 10/13/2016 6:45:00 AM | 31500.000 | 120.398 | 19.113 |
| 271.209 | 40924.633 | 46108.984 | 30.179 |
| 31354.111 | 24.435 | 1.021 | 14.755 |
| 10/13/2016 7:00:00 AM | 32400.000 | 120.441 | 19.111 |
| 271.304 | 40942.109 | 46130.758 | 30.195 |
| 31368.918 | 24.425 | 1.021 | 14.754 |
| 10/13/2016 7:15:00 AM | 33300.000 | 120.488 | 19.103 |
| 271.410 | 40898.969 | 46090.375 | 30.165 |
| 31341.457 | 24.450 | 1.021 | 14.752 |
| 10/13/2016 7:30:00 AM | 34200.000 | 120.521 | 19.110 |
| 271.486 | 40946.059 | 46136.594 | 30.199 |
| 31372.887 | 24.422 | 1.021 | 14.754 |
| 10/13/2016 7:45:00 AM | 35100.000 | 120.548 | 19.111 |
| 271.547 | 40898.160 | 46081.582 | 30.159 |
| 31335.479 | 24.451 | 1.021 | 14.754 |
| 10/13/2016 8:00:00 AM | 36000.000 | 120.608 | 19.114 |
| 271.681 | 40918.992 | 46101.848 | 30.174 |
| 31349.256 | 24.439 | 1.021 | 14.751 |
| 10/13/2016 8:15:00 AM | 36900.000 | 120.637 | 19.109 |
| 271.747 | 40936.047 | 46125.742 | 30.191 |
| 31365.508 | 24.428 | 1.021 | 14.754 |
| 10/13/2016 8:30:00 AM | 37800.000 | 120.641 | 19.113 |
| 271.756 | 40935.762 | 46121.348 | 30.188 |
| 31362.518 | 24.429 | 1.021 | 14.757 |
| 10/13/2016 8:45:00 AM | 38700.000 | 120.663 | 19.117 |
| 271.806 | 40933.844 | 46115.719 | 30.184 |
| 31358.689 | 24.430 | 1.021 | 14.759 |
| 10/13/2016 9:00:00 AM | 39600.000 | 120.693 | 19.114 |
| 271.872 | 40923.086 | 46106.199 | 30.177 |
| 31352.217 | 24.436 | 1.021 | 14.760 |
| 10/13/2016 9:15:00 AM | 40500.000 | 120.691 | 19.111 |
| 271.867 | 40915.215 | 46100.457 | 30.173 |
| 31348.313 | 24.441 | 1.021 | 14.761 |
| 10/13/2016 9:30:00 AM | 41400.000 | 120.684 | 19.108 |
| 271.852 | 40944.180 | 46136.551 | 30.199 |
| 31372.855 | 24.423 | 1.021 | 14.771 |
| 10/13/2016 9:45:00 AM | 42300.000 | 120.691 | 19.107 |
| 271.868 | 40914.074 | 46102.891 | 30.174 |
| 31349.969 | 24.441 | 1.021 | 14.763 |
| 10/13/2016 10:00:00 AM | 43200.000 | 120.658 | 19.111 |
| 271.793 | 40978.887 | 46172.363 | 30.225 |
| 31397.209 | 24.403 | 1.021 | 14.774 |
| 10/13/2016 10:15:00 AM | 44100.000 | 120.662 | 19.111 |

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|---|---|---|---|
| 271.803 | 40984.094 | 46178.664 | 30.230 |
| 31401.492 | 24.400 | 1.021 | 14.770 |
| 10/13/2016 10:30:00 AM | 45000.000 | 120.607 | 19.117 |
| 271.679 | 40969.297 | 46155.313 | 30.213 |
| 31385.615 | 24.409 | 1.021 | 14.770 |
| 10/13/2016 10:45:00 AM | 45900.000 | 120.603 | 19.113 |
| 271.669 | 40926.758 | 46111.469 | 30.181 |
| 31355.801 | 24.434 | 1.021 | 14.773 |
| 10/13/2016 11:00:00 AM | 46800.000 | 120.592 | 19.118 |
| 271.644 | 40928.547 | 46109.156 | 30.179 |
| 31354.229 | 24.433 | 1.021 | 14.773 |
| 10/13/2016 11:15:00 AM | 47700.000 | 120.546 | 19.120 |
| 271.542 | 40941.613 | 46121.621 | 30.189 |
| 31362.705 | 24.425 | 1.021 | 14.776 |
| 10/13/2016 11:30:00 AM | 48600.000 | 120.513 | 19.113 |
| 271.468 | 40940.418 | 46127.293 | 30.192 |
| 31366.561 | 24.426 | 1.021 | 14.775 |
| 10/13/2016 11:45:00 AM | 49500.000 | 120.488 | 19.111 |
| 271.412 | 40914.496 | 46099.469 | 30.172 |
| 31347.641 | 24.441 | 1.021 | 14.770 |
| 10/13/2016 12:00:00 PM | 50400.000 | 120.453 | 19.114 |
| 271.333 | 40914.641 | 46097.211 | 30.171 |
| 31346.105 | 24.441 | 1.021 | 14.770 |
| 10/13/2016 12:15:00 PM | 51300.000 | 120.414 | 19.119 |
| 271.243 | 40929.871 | 46109.520 | 30.180 |
| 31354.475 | 24.432 | 1.021 | 14.770 |
| 10/13/2016 12:30:00 PM | 52200.000 | 120.354 | 19.109 |
| 271.109 | 40924.883 | 46113.598 | 30.182 |
| 31357.248 | 24.435 | 1.021 | 14.770 |
| 10/13/2016 12:45:00 PM | 53100.000 | 120.346 | 19.109 |
| 271.092 | 40922.840 | 46111.039 | 30.180 |
| 31355.510 | 24.436 | 1.021 | 14.765 |
| 10/13/2016 1:00:00 PM | 54000.000 | 120.290 | 19.111 |
| 270.965 | 40936.219 | 46124.461 | 30.190 |
| 31364.633 | 24.428 | 1.021 | 14.766 |
| 10/13/2016 1:15:00 PM | 54900.000 | 120.258 | 19.110 |
| 270.892 | 40927.816 | 46115.957 | 30.184 |
| 31358.852 | 24.433 | 1.021 | 14.763 |
| 10/13/2016 1:30:00 PM | 55800.000 | 120.249 | 19.101 |
| 270.872 | 40950.078 | 46149.609 | 30.208 |
| 31381.736 | 24.420 | 1.021 | 14.753 |
| 10/13/2016 1:45:00 PM | 56700.000 | 120.203 | 19.104 |
| 270.769 | 40923.813 | 46117.414 | 30.185 |
| 31359.844 | 24.436 | 1.021 | 14.757 |
| 10/13/2016 2:00:00 PM | 57600.000 | 120.168 | 19.103 |
| 270.691 | 40928.605 | 46124.113 | 30.190 |
| 31364.396 | 24.433 | 1.021 | 14.756 |
| 10/13/2016 2:15:00 PM | 58500.000 | 120.144 | 19.100 |
| 270.635 | 40914.148 | 46110.164 | 30.179 |
| 31354.914 | 24.441 | 1.021 | 14.755 |
| 10/13/2016 2:30:00 PM | 59400.000 | 120.131 | 19.103 |
| 270.608 | 40901.918 | 46093.434 | 30.167 |
| 31343.537 | 24.449 | 1.021 | 14.752 |
| 10/13/2016 2:45:00 PM | 60300.000 | 120.114 | 19.107 |

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|---|---|---|---|
| 270.569 | 40937.879 | 46130.492 | 30.194 |
| 31368.736 | 24.427 | 1.021 | 14.750 |
| 10/13/2016 3:00:00 PM | 61200.000 | 120.096 | 19.106 |
| 270.528 | 40886.863 | 46073.352 | 30.153 |
| 31329.879 | 24.458 | 1.021 | 14.750 |
| 10/13/2016 3:15:00 PM | 62100.000 | 120.094 | 19.107 |
| 270.523 | 40888.473 | 46074.301 | 30.154 |
| 31330.525 | 24.457 | 1.021 | 14.747 |
| 10/13/2016 3:30:00 PM | 63000.000 | 120.074 | 19.101 |
| 270.478 | 40884.105 | 46075.609 | 30.154 |
| 31331.416 | 24.459 | 1.021 | 14.744 |
| 10/13/2016 3:45:00 PM | 63900.000 | 120.120 | 19.103 |
| 270.581 | 40939.957 | 46136.383 | 30.199 |
| 31372.742 | 24.426 | 1.021 | 14.739 |
| 10/13/2016 4:00:00 PM | 64800.000 | 120.091 | 19.099 |
| 270.516 | 40949.016 | 46150.762 | 30.209 |
| 31382.520 | 24.421 | 1.021 | 14.734 |
| 10/13/2016 4:15:00 PM | 65700.000 | 120.139 | 19.101 |
| 270.624 | 40912.945 | 46107.844 | 30.178 |
| 31353.336 | 24.442 | 1.021 | 14.739 |
| 10/13/2016 4:30:00 PM | 66600.000 | 120.160 | 19.104 |
| 270.671 | 40923.539 | 46116.754 | 30.184 |
| 31359.395 | 24.436 | 1.021 | 14.732 |
| 10/13/2016 4:45:00 PM | 67500.000 | 120.177 | 19.105 |
| 270.710 | 40928.617 | 46121.184 | 30.188 |
| 31362.406 | 24.433 | 1.021 | 14.734 |
| 10/13/2016 5:00:00 PM | 68400.000 | 120.214 | 19.106 |
| 270.794 | 40934.801 | 46127.984 | 30.193 |
| 31367.031 | 24.429 | 1.021 | 14.729 |
| 10/13/2016 5:15:00 PM | 69300.000 | 120.246 | 19.108 |
| 270.865 | 40932.324 | 46123.277 | 30.189 |
| 31363.830 | 24.431 | 1.021 | 14.732 |
| 10/13/2016 5:30:00 PM | 70200.000 | 120.283 | 19.104 |
| 270.948 | 40943.711 | 46139.574 | 30.201 |
| 31374.912 | 24.424 | 1.021 | 14.726 |
| 10/13/2016 5:45:00 PM | 71100.000 | 120.333 | 19.103 |
| 271.062 | 40938.496 | 46135.262 | 30.198 |
| 31371.980 | 24.427 | 1.021 | 14.722 |
| 10/13/2016 6:00:00 PM | 72000.000 | 120.352 | 19.108 |
| 271.104 | 40929.297 | 46119.867 | 30.187 |
| 31361.512 | 24.432 | 1.021 | 14.725 |
| 10/13/2016 6:15:00 PM | 72900.000 | 120.389 | 19.104 |
| 271.188 | 40944.539 | 46140.156 | 30.201 |
| 31375.309 | 24.423 | 1.021 | 14.729 |
| 10/13/2016 6:30:00 PM | 73800.000 | 120.449 | 19.109 |
| 271.323 | 40922.230 | 46110.871 | 30.180 |
| 31355.395 | 24.437 | 1.021 | 14.732 |
| 10/13/2016 6:45:00 PM | 74700.000 | 120.494 | 19.105 |
| 271.425 | 40903.395 | 46092.758 | 30.167 |
| 31343.078 | 24.448 | 1.021 | 14.731 |
| 10/13/2016 7:00:00 PM | 75600.000 | 120.543 | 19.103 |
| 271.534 | 40891.172 | 46081.500 | 30.159 |
| 31335.420 | 24.455 | 1.021 | 14.733 |
| 10/13/2016 7:15:00 PM | 76500.000 | 120.573 | 19.106 |

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|---|---|---|---|
| 271.603 | 40905.797 | 46095.043 | 30.169 |
| 31344.631 | 24.446 | 1.021 | 14.728 |
| 10/13/2016 7:30:00 PM | 77400.000 | 120.607 | 19.116 |
| 271.680 | 40945.551 | 46129.957 | 30.195 |
| 31368.371 | 24.423 | 1.021 | 14.733 |
| 10/13/2016 7:45:00 PM | 78300.000 | 120.640 | 19.113 |
| 271.753 | 40929.707 | 46115.223 | 30.184 |
| 31358.354 | 24.432 | 1.021 | 14.733 |
| 10/13/2016 8:00:00 PM | 79200.000 | 120.662 | 19.108 |
| 271.804 | 40920.688 | 46109.742 | 30.179 |
| 31354.625 | 24.438 | 1.021 | 14.739 |
| 10/13/2016 8:15:00 PM | 80100.000 | 120.693 | 19.110 |
| 271.872 | 40927.273 | 46115.344 | 30.184 |
| 31358.436 | 24.434 | 1.021 | 14.733 |
| 10/13/2016 8:30:00 PM | 81000.000 | 120.696 | 19.115 |
| 271.880 | 40915.922 | 46097.359 | 30.171 |
| 31346.207 | 24.440 | 1.021 | 14.738 |
| 10/13/2016 8:45:00 PM | 81900.000 | 120.719 | 19.113 |
| 271.930 | 40936.563 | 46122.598 | 30.189 |
| 31363.369 | 24.428 | 1.021 | 14.736 |
| 10/13/2016 9:00:00 PM | 82800.000 | 120.750 | 19.115 |
| 272.002 | 40940.695 | 46125.695 | 30.191 |
| 31365.475 | 24.426 | 1.021 | 14.735 |
| 10/13/2016 9:15:00 PM | 83700.000 | 120.702 | 19.113 |
| 271.894 | 40931.332 | 46116.441 | 30.185 |
| 31359.180 | 24.431 | 1.021 | 14.734 |
| 10/13/2016 9:30:00 PM | 84600.000 | 120.718 | 19.111 |
| 271.930 | 40948.762 | 46138.594 | 30.201 |
| 31374.244 | 24.421 | 1.021 | 14.743 |
| 10/13/2016 9:45:00 PM | 85500.000 | 120.735 | 19.108 |
| 271.968 | 40910.750 | 46098.625 | 30.171 |
| 31347.066 | 24.443 | 1.021 | 14.744 |
| 10/13/2016 10:00:00 PM | 86400.000 | 120.749 | 19.107 |
| 271.999 | 40928.414 | 46119.477 | 30.186 |
| 31361.246 | 24.433 | 1.021 | 14.744 |
| 10/13/2016 10:15:00 PM | 87300.000 | 120.694 | 19.106 |
| 271.875 | 40936.387 | 46129.332 | 30.194 |
| 31367.947 | 24.428 | 1.021 | 14.742 |
| 10/13/2016 10:30:00 PM | 88200.000 | 120.669 | 19.107 |
| 271.820 | 40933.711 | 46125.625 | 30.191 |
| 31365.428 | 24.430 | 1.021 | 14.741 |
| 10/13/2016 10:45:00 PM | 89100.000 | 120.632 | 19.114 |
| 271.736 | 40932.930 | 46117.891 | 30.186 |
| 31360.168 | 24.430 | 1.021 | 14.740 |
| 10/13/2016 11:00:00 PM | 90000.000 | 120.621 | 19.110 |
| 271.711 | 40903.676 | 46088.754 | 30.164 |
| 31340.355 | 24.448 | 1.021 | 14.743 |
| 10/13/2016 11:15:00 PM | 90900.000 | 120.570 | 19.111 |
| 271.595 | 40921.398 | 46107.938 | 30.178 |
| 31353.398 | 24.437 | 1.021 | 14.748 |
| 10/13/2016 11:30:00 PM | 91800.000 | 120.547 | 19.117 |
| 271.544 | 40902.844 | 46081.063 | 30.159 |
| 31335.125 | 24.448 | 1.021 | 14.741 |
| 10/13/2016 11:45:00 PM | 92700.000 | 120.506 | 19.104 |

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|---|---|---|---|
| 271.451 | 40929.738 | 46124.348 | 30.190 |
| 31364.557 | 24.432 | 1.021 | 14.741 |
| 10/14/2016 12:00:00 AM | 93600.000 | 120.455 | 19.101 |
| 271.336 | 40919.715 | 46115.656 | 30.183 |
| 31358.648 | 24.438 | 1.021 | 14.739 |
| 10/14/2016 12:15:00 AM | 94500.000 | 120.373 | 19.106 |
| 271.152 | 40956.898 | 46152.363 | 30.210 |
| 31383.609 | 24.416 | 1.021 | 14.734 |
| 10/14/2016 12:30:00 AM | 95400.000 | 120.365 | 19.107 |
| 271.135 | 40933.000 | 46124.645 | 30.190 |
| 31364.760 | 24.430 | 1.021 | 14.737 |
| 10/14/2016 12:45:00 AM | 96300.000 | 120.314 | 19.112 |
| 271.020 | 40954.301 | 46143.539 | 30.204 |
| 31377.609 | 24.417 | 1.021 | 14.731 |
| 10/14/2016 1:00:00 AM | 97200.000 | 120.265 | 19.122 |
| 270.908 | 40936.012 | 46113.324 | 30.183 |
| 31357.061 | 24.428 | 1.021 | 14.731 |
| 10/14/2016 1:15:00 AM | 98100.000 | 120.208 | 19.128 |
| 270.781 | 40932.754 | 46103.934 | 30.176 |
| 31350.678 | 24.430 | 1.021 | 14.729 |
| 10/14/2016 1:30:00 AM | 99000.000 | 120.173 | 19.120 |
| 270.701 | 40944.492 | 46124.863 | 30.191 |
| 31364.910 | 24.423 | 1.021 | 14.725 |
| 10/14/2016 1:45:00 AM | 99900.000 | 120.134 | 19.127 |
| 270.613 | 40918.379 | 46088.008 | 30.164 |
| 31339.848 | 24.439 | 1.021 | 14.732 |
| 10/14/2016 2:00:00 AM | 100800.000 | 120.085 | 19.123 |
| 270.503 | 40946.715 | 46124.422 | 30.191 |
| 31364.609 | 24.422 | 1.021 | 14.733 |
| 10/14/2016 2:15:00 AM | 101700.000 | 120.092 | 19.110 |
| 270.519 | 40928.344 | 46116.367 | 30.184 |
| 31359.133 | 24.433 | 1.021 | 14.730 |
| 10/14/2016 2:30:00 AM | 102600.000 | 120.045 | 19.103 |
| 270.412 | 40945.270 | 46142.555 | 30.203 |
| 31376.939 | 24.423 | 1.021 | 14.730 |
| 10/14/2016 2:45:00 AM | 103500.000 | 120.050 | 19.100 |
| 270.424 | 40902.633 | 46097.008 | 30.170 |
| 31345.967 | 24.448 | 1.021 | 14.732 |
| 10/14/2016 3:00:00 AM | 104400.000 | 120.005 | 19.099 |
| 270.323 | 40930.168 | 46129.602 | 30.193 |
| 31368.129 | 24.432 | 1.021 | 14.727 |
| 10/14/2016 3:15:00 AM | 105300.000 | 119.993 | 19.102 |
| 270.295 | 40905.563 | 46098.672 | 30.171 |
| 31347.100 | 24.447 | 1.021 | 14.732 |
| 10/14/2016 3:30:00 AM | 106200.000 | 119.971 | 19.099 |
| 270.247 | 40904.301 | 46099.926 | 30.172 |
| 31347.949 | 24.447 | 1.021 | 14.734 |
| 10/14/2016 3:45:00 AM | 107100.000 | 119.965 | 19.104 |
| 270.233 | 40906.078 | 46096.902 | 30.170 |
| 31345.896 | 24.446 | 1.021 | 14.733 |
| 10/14/2016 4:00:00 AM | 108000.000 | 119.996 | 19.103 |
| 270.303 | 40939.938 | 46136.711 | 30.199 |
| 31372.965 | 24.426 | 1.021 | 14.736 |
| 10/14/2016 4:15:00 AM | 108900.000 | 120.029 | 19.105 |

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|---|---|---|---|
| 270.376 | 40930.102 | 46122.938 | 30.189 |
| 31363.600 | 24.432 | 1.021 | 14.736 |
| 10/14/2016 4:30:00 AM | 109800.000 | 120.002 | 19.100 |
| 270.316 | 40901.531 | 46095.852 | 30.169 |
| 31345.180 | 24.449 | 1.021 | 14.735 |
| 10/14/2016 4:45:00 AM | 110700.000 | 120.050 | 19.096 |
| 270.424 | 40900.547 | 46098.477 | 30.171 |
| 31346.965 | 24.450 | 1.021 | 14.725 |
| 10/14/2016 5:00:00 AM | 111600.000 | 120.027 | 19.105 |
| 270.372 | 40919.969 | 46111.777 | 30.181 |
| 31356.010 | 24.438 | 1.021 | 14.731 |
| 10/14/2016 5:15:00 AM | 112500.000 | 120.151 | 19.103 |
| 270.652 | 40934.652 | 46130.148 | 30.194 |
| 31368.504 | 24.429 | 1.021 | 14.724 |
| 10/14/2016 5:30:00 AM | 113400.000 | 120.123 | 19.104 |
| 270.589 | 40919.859 | 46112.957 | 30.182 |
| 31356.813 | 24.438 | 1.021 | 14.726 |
| 10/14/2016 5:45:00 AM | 114300.000 | 120.226 | 19.104 |
| 270.820 | 40911.859 | 46104.117 | 30.175 |
| 31350.801 | 24.443 | 1.021 | 14.721 |
| 10/14/2016 6:00:00 AM | 115200.000 | 120.239 | 19.111 |
| 270.849 | 40916.664 | 46102.602 | 30.174 |
| 31349.771 | 24.440 | 1.021 | 14.726 |
| 10/14/2016 6:15:00 AM | 116100.000 | 120.279 | 19.109 |
| 270.940 | 40936.750 | 46127.148 | 30.192 |
| 31366.463 | 24.428 | 1.021 | 14.722 |
| 10/14/2016 6:30:00 AM | 117000.000 | 120.344 | 19.115 |
| 271.087 | 40947.719 | 46133.184 | 30.197 |
| 31370.564 | 24.421 | 1.021 | 14.728 |
| 10/14/2016 6:45:00 AM | 117900.000 | 120.358 | 19.112 |
| 271.118 | 40936.680 | 46123.949 | 30.190 |
| 31364.287 | 24.428 | 1.021 | 14.726 |
| 10/14/2016 7:00:00 AM | 118800.000 | 120.475 | 19.113 |
| 271.381 | 40906.574 | 46088.547 | 30.164 |
| 31340.213 | 24.446 | 1.021 | 14.723 |
| 10/14/2016 7:15:00 AM | 119700.000 | 120.480 | 19.114 |
| 271.393 | 40953.465 | 46141.211 | 30.203 |
| 31376.023 | 24.418 | 1.021 | 14.727 |
| 10/14/2016 7:30:00 AM | 120600.000 | 120.535 | 19.115 |
| 271.517 | 40932.023 | 46115.586 | 30.184 |
| 31358.602 | 24.431 | 1.021 | 14.725 |
| 10/14/2016 7:45:00 AM | 121500.000 | 120.581 | 19.114 |
| 271.621 | 40954.508 | 46141.688 | 30.203 |
| 31376.348 | 24.417 | 1.021 | 14.723 |
| 10/14/2016 8:00:00 AM | 122400.000 | 120.638 | 19.104 |
| 271.748 | 40946.613 | 46142.848 | 30.203 |
| 31377.139 | 24.422 | 1.021 | 14.726 |
| 10/14/2016 8:15:00 AM | 123300.000 | 120.656 | 19.101 |
| 271.790 | 40942.816 | 46141.336 | 30.202 |
| 31376.109 | 24.424 | 1.021 | 14.735 |
| 10/14/2016 8:30:00 AM | 124200.000 | 120.709 | 19.111 |
| 271.909 | 40936.371 | 46124.293 | 30.190 |
| 31364.521 | 24.428 | 1.021 | 14.729 |
| 10/14/2016 8:45:00 AM | 125100.000 | 120.736 | 19.113 |

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|---|---|---|---|
| 271.969 | 40938.254 | 46124.242 | 30.190 |
| 31364.486 | 24.427 | 1.021 | 14.733 |
| 10/14/2016 9:00:00 AM | 126000.000 | 120.774 | 19.114 |
| 272.054 | 40915.371 | 46097.770 | 30.171 |
| 31346.484 | 24.441 | 1.021 | 14.734 |
| 10/14/2016 9:15:00 AM | 126900.000 | 120.808 | 19.117 |
| 272.132 | 40935.535 | 46117.891 | 30.186 |
| 31360.168 | 24.429 | 1.021 | 14.741 |
| 10/14/2016 9:30:00 AM | 127800.000 | 120.814 | 19.116 |
| 272.146 | 40957.625 | 46143.816 | 30.205 |
| 31377.797 | 24.415 | 1.021 | 14.736 |
| 10/14/2016 9:45:00 AM | 128700.000 | 120.788 | 19.113 |
| 272.086 | 40937.824 | 46124.281 | 30.190 |
| 31364.514 | 24.427 | 1.021 | 14.743 |
| 10/14/2016 10:00:00 AM | 129600.000 | 120.858 | 19.112 |
| 272.245 | 40941.301 | 46129.492 | 30.194 |
| 31368.055 | 24.425 | 1.021 | 14.736 |
| 10/14/2016 10:15:00 AM | 130500.000 | 120.808 | 19.108 |
| 272.132 | 40908.309 | 46095.875 | 30.169 |
| 31345.197 | 24.445 | 1.021 | 14.734 |
| 10/14/2016 10:30:00 AM | 131400.000 | 120.798 | 19.112 |
| 272.109 | 40957.777 | 46147.453 | 30.207 |
| 31380.270 | 24.415 | 1.021 | 14.724 |
| 10/14/2016 10:45:00 AM | 132300.000 | 120.798 | 19.105 |
| 272.110 | 40934.766 | 46128.539 | 30.193 |
| 31367.406 | 24.429 | 1.021 | 14.734 |
| 10/14/2016 11:00:00 AM | 133200.000 | 120.751 | 19.106 |
| 272.004 | 40924.105 | 46116.016 | 30.184 |
| 31358.893 | 24.435 | 1.021 | 14.735 |
| 10/14/2016 11:15:00 AM | 134100.000 | 120.700 | 19.106 |
| 271.888 | 40925.422 | 46116.637 | 30.184 |
| 31359.314 | 24.435 | 1.021 | 14.733 |
| 10/14/2016 11:30:00 AM | 135000.000 | 120.689 | 19.110 |
| 271.863 | 40913.418 | 46099.891 | 30.172 |
| 31347.928 | 24.442 | 1.021 | 14.731 |
| 10/14/2016 11:45:00 AM | 135900.000 | 120.674 | 19.108 |
| 271.831 | 40949.398 | 46141.734 | 30.203 |
| 31376.381 | 24.420 | 1.021 | 14.730 |
| 10/14/2016 12:00:00 PM | 136800.000 | 120.632 | 19.122 |
| 271.734 | 40942.535 | 46120.848 | 30.188 |
| 31362.178 | 24.424 | 1.021 | 14.729 |
| 10/14/2016 12:15:00 PM | 137700.000 | 120.607 | 19.113 |
| 271.679 | 40924.047 | 46108.758 | 30.179 |
| 31353.957 | 24.436 | 1.021 | 14.728 |
| 10/14/2016 12:30:00 PM | 138600.000 | 120.556 | 19.105 |
| 271.564 | 40924.074 | 46116.063 | 30.184 |
| 31358.924 | 24.435 | 1.021 | 14.721 |
| 10/14/2016 12:45:00 PM | 139500.000 | 120.496 | 19.105 |
| 271.430 | 40918.703 | 46110.617 | 30.180 |
| 31355.223 | 24.439 | 1.021 | 14.727 |
| 10/14/2016 1:00:00 PM | 140400.000 | 120.459 | 19.107 |
| 271.346 | 40924.797 | 46114.977 | 30.183 |
| 31358.186 | 24.435 | 1.021 | 14.725 |
| 10/14/2016 1:15:00 PM | 141300.000 | 120.414 | 19.106 |

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|---|---|---|---|
| 271.244 | 40912.629 | 46103.082 | 30.174 |
| 31350.098 | 24.442 | 1.021 | 14.716 |
| 10/14/2016 1:30:00 PM | 142200.000 | 120.347 | 19.106 |
| 271.092 | 40904.719 | 46093.910 | 30.168 |
| 31343.861 | 24.447 | 1.021 | 14.716 |
| 10/14/2016 1:45:00 PM | 143100.000 | 120.331 | 19.109 |
| 271.057 | 40928.281 | 46117.258 | 30.185 |
| 31359.738 | 24.433 | 1.021 | 14.708 |
| 10/14/2016 2:00:00 PM | 144000.000 | 120.278 | 19.108 |
| 270.938 | 40930.055 | 46120.027 | 30.187 |
| 31361.619 | 24.432 | 1.021 | 14.709 |
| 10/14/2016 2:15:00 PM | 144900.000 | 120.226 | 19.106 |
| 270.820 | 40944.293 | 46138.680 | 30.200 |
| 31374.305 | 24.423 | 1.021 | 14.710 |
| 10/14/2016 2:30:00 PM | 145800.000 | 120.204 | 19.113 |
| 270.770 | 40918.387 | 46102.121 | 30.174 |
| 31349.445 | 24.439 | 1.021 | 14.708 |
| 10/14/2016 2:45:00 PM | 146700.000 | 120.155 | 19.118 |
| 270.661 | 40908.023 | 46085.594 | 30.162 |
| 31338.205 | 24.445 | 1.021 | 14.705 |
| 10/14/2016 3:00:00 PM | 147600.000 | 120.117 | 19.113 |
| 270.575 | 40963.707 | 46153.707 | 30.212 |
| 31384.523 | 24.412 | 1.021 | 14.703 |
| 10/14/2016 3:15:00 PM | 148500.000 | 120.148 | 19.112 |
| 270.646 | 40926.797 | 46112.641 | 30.182 |
| 31356.598 | 24.434 | 1.021 | 14.703 |
| 10/14/2016 3:30:00 PM | 149400.000 | 120.094 | 19.103 |
| 270.524 | 40914.031 | 46107.262 | 30.177 |
| 31352.939 | 24.441 | 1.021 | 14.697 |
| 10/14/2016 3:45:00 PM | 150300.000 | 120.105 | 19.100 |
| 270.549 | 40921.094 | 46117.898 | 30.185 |
| 31360.174 | 24.437 | 1.021 | 14.696 |
| 10/14/2016 4:00:00 PM | 151200.000 | 120.078 | 19.106 |
| 270.487 | 40938.035 | 46131.371 | 30.195 |
| 31369.334 | 24.427 | 1.021 | 14.704 |
| 10/14/2016 4:15:00 PM | 152100.000 | 120.088 | 19.109 |
| 270.510 | 40909.625 | 46096.320 | 30.170 |
| 31345.500 | 24.444 | 1.021 | 14.700 |
| 10/14/2016 4:30:00 PM | 153000.000 | 120.122 | 19.098 |
| 270.586 | 40911.180 | 46109.332 | 30.179 |
| 31354.348 | 24.443 | 1.021 | 14.697 |
| 10/14/2016 4:45:00 PM | 153900.000 | 120.091 | 19.104 |
| 270.517 | 40961.469 | 46159.680 | 30.216 |
| 31388.584 | 24.413 | 1.021 | 14.696 |
| 10/14/2016 5:00:00 PM | 154800.000 | 120.163 | 19.104 |
| 270.680 | 40912.336 | 46104.047 | 30.175 |
| 31350.754 | 24.443 | 1.021 | 14.694 |
| 10/14/2016 5:15:00 PM | 155700.000 | 120.128 | 19.113 |
| 270.599 | 40912.531 | 46095.441 | 30.169 |
| 31344.902 | 24.442 | 1.021 | 14.694 |
| 10/14/2016 5:30:00 PM | 156600.000 | 120.188 | 19.112 |
| 270.736 | 40927.031 | 46112.988 | 30.182 |
| 31356.834 | 24.434 | 1.021 | 14.694 |
| 10/14/2016 5:45:00 PM | 157500.000 | 120.214 | 19.105 |

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|---|---|---|---|
| 270.794 | 40908.480 | 46098.664 | 30.171 |
| 31347.094 | 24.445 | 1.021 | 14.696 |
| 10/14/2016 6:00:00 PM | 158400.000 | 120.240 | 19.099 |
| 270.853 | 40925.555 | 46124.137 | 30.190 |
| 31364.416 | 24.435 | 1.021 | 14.693 |
| 10/14/2016 6:15:00 PM | 159300.000 | 120.309 | 19.102 |
| 271.008 | 40948.148 | 46147.008 | 30.206 |
| 31379.967 | 24.421 | 1.021 | 14.699 |
| 10/14/2016 6:30:00 PM | 160200.000 | 120.349 | 19.102 |
| 271.099 | 40921.645 | 46116.883 | 30.184 |
| 31359.482 | 24.437 | 1.021 | 14.696 |
| 10/14/2016 6:45:00 PM | 161100.000 | 120.362 | 19.112 |
| 271.126 | 40926.035 | 46112.207 | 30.181 |
| 31356.303 | 24.434 | 1.021 | 14.695 |
| 10/14/2016 7:00:00 PM | 162000.000 | 120.430 | 19.107 |
| 271.280 | 40926.637 | 46117.738 | 30.185 |
| 31360.064 | 24.434 | 1.021 | 14.697 |
| 10/14/2016 7:15:00 PM | 162900.000 | 120.440 | 19.105 |
| 271.302 | 40909.141 | 46099.500 | 30.172 |
| 31347.662 | 24.444 | 1.021 | 14.699 |
| 10/14/2016 7:30:00 PM | 163800.000 | 120.498 | 19.107 |
| 271.434 | 40909.363 | 46097.750 | 30.171 |
| 31346.473 | 24.444 | 1.021 | 14.709 |
| 10/14/2016 7:45:00 PM | 164700.000 | 120.571 | 19.110 |
| 271.597 | 40919.414 | 46106.305 | 30.177 |
| 31352.289 | 24.438 | 1.021 | 14.702 |
| 10/14/2016 8:00:00 PM | 165600.000 | 120.645 | 19.110 |
| 271.765 | 40906.852 | 46092.242 | 30.167 |
| 31342.727 | 24.446 | 1.021 | 14.705 |
| 10/14/2016 8:15:00 PM | 166500.000 | 120.625 | 19.111 |
| 271.720 | 40939.957 | 46128.078 | 30.193 |
| 31367.096 | 24.426 | 1.021 | 14.705 |
| 10/14/2016 8:30:00 PM | 167400.000 | 120.660 | 19.106 |
| 271.798 | 40916.125 | 46106.840 | 30.177 |
| 31352.654 | 24.440 | 1.021 | 14.699 |
| 10/14/2016 8:45:00 PM | 168300.000 | 120.724 | 19.105 |
| 271.942 | 40917.902 | 46109.109 | 30.179 |
| 31354.197 | 24.439 | 1.021 | 14.705 |
| 10/14/2016 9:00:00 PM | 169200.000 | 120.776 | 19.109 |
| 272.059 | 40910.867 | 46098.066 | 30.171 |
| 31346.688 | 24.443 | 1.021 | 14.703 |
| 10/14/2016 9:15:00 PM | 170100.000 | 120.794 | 19.109 |
| 272.100 | 40918.281 | 46106.250 | 30.177 |
| 31352.252 | 24.439 | 1.021 | 14.707 |
| 10/14/2016 9:30:00 PM | 171000.000 | 120.796 | 19.112 |
| 272.104 | 40958.113 | 46148.352 | 30.208 |
| 31380.881 | 24.415 | 1.021 | 14.705 |
| 10/14/2016 9:45:00 PM | 171900.000 | 120.806 | 19.113 |
| 272.126 | 40941.227 | 46128.375 | 30.193 |
| 31367.297 | 24.425 | 1.021 | 14.709 |
| 10/14/2016 10:00:00 PM | 172800.000 | 120.828 | 19.108 |
| 272.177 | 40903.012 | 46090.164 | 30.165 |
| 31341.314 | 24.448 | 1.021 | 14.711 |
| 10/14/2016 10:15:00 PM | 173700.000 | 120.807 | 19.114 |

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|---|---|---|---|
| 272.129 | 40935.027 | 46119.652 | 30.187 |
| 31361.365 | 24.429 | 1.021 | 14.703 |
| 10/14/2016 10:30:00 PM | 174600.000 | 120.824 | 19.110 |
| 272.169 | 40946.031 | 46135.949 | 30.199 |
| 31372.445 | 24.422 | 1.021 | 14.708 |
| 10/14/2016 10:45:00 PM | 175500.000 | 120.781 | 19.113 |
| 272.070 | 40908.492 | 46090.973 | 30.166 |
| 31341.863 | 24.445 | 1.021 | 14.714 |
| 10/14/2016 11:00:00 PM | 176400.000 | 120.783 | 19.110 |
| 272.074 | 40930.559 | 46119.047 | 30.186 |
| 31360.955 | 24.432 | 1.021 | 14.709 |
| 10/14/2016 11:15:00 PM | 177300.000 | 120.762 | 19.115 |
| 272.029 | 40937.621 | 46121.977 | 30.189 |
| 31362.947 | 24.427 | 1.021 | 14.710 |
| 10/14/2016 11:30:00 PM | 178200.000 | 120.745 | 19.111 |
| 271.991 | 40917.836 | 46104.008 | 30.175 |
| 31350.729 | 24.439 | 1.021 | 14.713 |
| 10/14/2016 11:45:00 PM | 179100.000 | 120.701 | 19.103 |
| 271.891 | 40930.574 | 46125.727 | 30.191 |
| 31365.496 | 24.432 | 1.021 | 14.713 |
| 10/15/2016 12:00:00 AM | 180000.000 | 120.662 | 19.103 |
| 271.802 | 40909.637 | 46102.664 | 30.174 |
| 31349.813 | 24.444 | 1.021 | 14.715 |
| 10/15/2016 12:15:00 AM | 180900.000 | 120.642 | 19.104 |
| 271.758 | 40924.805 | 46118.445 | 30.186 |
| 31360.545 | 24.435 | 1.021 | 14.708 |
| 10/15/2016 12:30:00 AM | 181800.000 | 120.560 | 19.105 |
| 271.573 | 40901.734 | 46091.836 | 30.166 |
| 31342.451 | 24.449 | 1.021 | 14.705 |
| 10/15/2016 12:45:00 AM | 182700.000 | 120.554 | 19.101 |
| 271.560 | 40893.727 | 46086.012 | 30.162 |
| 31338.490 | 24.454 | 1.021 | 14.710 |
| 10/15/2016 1:00:00 AM | 183600.000 | 120.511 | 19.112 |
| 271.463 | 40920.305 | 46104.887 | 30.176 |
| 31351.326 | 24.438 | 1.021 | 14.702 |
| 10/15/2016 1:15:00 AM | 184500.000 | 120.443 | 19.103 |
| 271.310 | 40933.754 | 46128.961 | 30.193 |
| 31367.695 | 24.430 | 1.021 | 14.708 |
| 10/15/2016 1:30:00 AM | 185400.000 | 120.385 | 19.100 |
| 271.180 | 40936.520 | 46135.539 | 30.198 |
| 31372.168 | 24.428 | 1.021 | 14.709 |
| 10/15/2016 1:45:00 AM | 186300.000 | 120.363 | 19.106 |
| 271.129 | 40899.727 | 46088.363 | 30.164 |
| 31340.090 | 24.450 | 1.021 | 14.707 |
| 10/15/2016 2:00:00 AM | 187200.000 | 120.294 | 19.099 |
| 270.975 | 40919.102 | 46116.523 | 30.184 |
| 31359.238 | 24.438 | 1.021 | 14.706 |
| 10/15/2016 2:15:00 AM | 188100.000 | 120.283 | 19.102 |
| 270.950 | 40916.402 | 46111.234 | 30.180 |
| 31355.643 | 24.440 | 1.021 | 14.713 |
| 10/15/2016 2:30:00 AM | 189000.000 | 120.240 | 19.102 |
| 270.853 | 40888.523 | 46079.027 | 30.157 |
| 31333.740 | 24.457 | 1.021 | 14.711 |
| 10/15/2016 2:45:00 AM | 189900.000 | 120.221 | 19.099 |

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|---|---|---|---|
| 270.809 | 40900.656 | 46096.258 | 30.169 |
| 31345.457 | 24.449 | 1.021 | 14.702 |
| 10/15/2016 3:00:00 AM | 190800.000 | 120.204 | 19.099 |
| 270.772 | 40929.547 | 46128.379 | 30.193 |
| 31367.301 | 24.432 | 1.021 | 14.706 |
| 10/15/2016 3:15:00 AM | 191700.000 | 120.148 | 19.104 |
| 270.646 | 40922.152 | 46115.543 | 30.183 |
| 31358.572 | 24.437 | 1.021 | 14.704 |
| 10/15/2016 3:30:00 AM | 192600.000 | 120.149 | 19.103 |
| 270.647 | 40929.777 | 46124.480 | 30.190 |
| 31364.648 | 24.432 | 1.021 | 14.707 |
| 10/15/2016 3:45:00 AM | 193500.000 | 120.086 | 19.099 |
| 270.506 | 40938.344 | 46139.074 | 30.200 |
| 31374.572 | 24.427 | 1.021 | 14.706 |
| 10/15/2016 4:00:00 AM | 194400.000 | 120.092 | 19.100 |
| 270.520 | 40891.859 | 46085.133 | 30.161 |
| 31337.893 | 24.455 | 1.021 | 14.704 |
| 10/15/2016 4:15:00 AM | 195300.000 | 120.146 | 19.100 |
| 270.640 | 40907.676 | 46103.215 | 30.174 |
| 31350.188 | 24.445 | 1.021 | 14.700 |
| 10/15/2016 4:30:00 AM | 196200.000 | 120.102 | 19.099 |
| 270.541 | 40916.289 | 46113.531 | 30.182 |
| 31357.203 | 24.440 | 1.021 | 14.693 |
| 10/15/2016 4:45:00 AM | 197100.000 | 120.112 | 19.101 |
| 270.564 | 40921.266 | 46117.406 | 30.185 |
| 31359.836 | 24.437 | 1.021 | 14.693 |
| 10/15/2016 5:00:00 AM | 198000.000 | 120.139 | 19.103 |
| 270.625 | 40907.980 | 46100.441 | 30.172 |
| 31348.303 | 24.445 | 1.021 | 14.697 |
| 10/15/2016 5:15:00 AM | 198900.000 | 120.186 | 19.104 |
| 270.731 | 40875.289 | 46062.563 | 30.145 |
| 31322.545 | 24.465 | 1.021 | 14.697 |
| 10/15/2016 5:30:00 AM | 199800.000 | 120.147 | 19.105 |
| 270.643 | 40899.609 | 46089.363 | 30.164 |
| 31340.770 | 24.450 | 1.021 | 14.701 |
| 10/15/2016 5:45:00 AM | 200700.000 | 120.255 | 19.108 |
| 270.885 | 40902.789 | 46089.125 | 30.164 |
| 31340.607 | 24.448 | 1.021 | 14.695 |
| 10/15/2016 6:00:00 AM | 201600.000 | 120.274 | 19.103 |
| 270.928 | 40933.484 | 46129.090 | 30.193 |
| 31367.783 | 24.430 | 1.021 | 14.700 |
| 10/15/2016 6:15:00 AM | 202500.000 | 120.288 | 19.108 |
| 270.961 | 40944.898 | 46136.840 | 30.199 |
| 31373.053 | 24.423 | 1.021 | 14.708 |
| 10/15/2016 6:30:00 AM | 203400.000 | 120.321 | 19.106 |
| 271.034 | 40943.785 | 46138.191 | 30.200 |
| 31373.973 | 24.424 | 1.021 | 14.707 |
| 10/15/2016 6:45:00 AM | 204300.000 | 120.421 | 19.106 |
| 271.259 | 40916.586 | 46107.359 | 30.178 |
| 31353.004 | 24.440 | 1.021 | 14.701 |
| 10/15/2016 7:00:00 AM | 205200.000 | 120.491 | 19.107 |
| 271.418 | 40950.848 | 46144.414 | 30.205 |
| 31378.203 | 24.420 | 1.021 | 14.705 |
| 10/15/2016 7:15:00 AM | 206100.000 | 120.467 | 19.112 |

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|---|---|---|---|
| 271.364 | 40935.277 | 46122.195 | 30.189 |
| 31363.094 | 24.429 | 1.021 | 14.706 |
| 10/15/2016 7:30:00 AM | 207000.000 | 120.554 | 19.108 |
| 271.560 | 40961.258 | 46155.188 | 30.213 |
| 31385.529 | 24.413 | 1.021 | 14.700 |
| 10/15/2016 7:45:00 AM | 207900.000 | 120.632 | 19.111 |
| 271.736 | 40921.023 | 46107.164 | 30.178 |
| 31352.873 | 24.437 | 1.021 | 14.702 |
| 10/15/2016 8:00:00 AM | 208800.000 | 120.689 | 19.112 |
| 271.863 | 40908.434 | 46091.859 | 30.167 |
| 31342.467 | 24.445 | 1.021 | 14.703 |
| 10/15/2016 8:15:00 AM | 209700.000 | 120.726 | 19.104 |
| 271.948 | 40917.484 | 46110.113 | 30.180 |
| 31354.879 | 24.439 | 1.021 | 14.702 |
| 10/15/2016 8:30:00 AM | 210600.000 | 120.794 | 19.106 |
| 272.099 | 40893.730 | 46081.785 | 30.159 |
| 31335.615 | 24.454 | 1.021 | 14.698 |
| 10/15/2016 8:45:00 AM | 211500.000 | 120.828 | 19.111 |
| 272.177 | 40914.566 | 46100.238 | 30.173 |
| 31348.164 | 24.441 | 1.021 | 14.697 |
| 10/15/2016 9:00:00 AM | 212400.000 | 120.886 | 19.110 |
| 272.307 | 40915.758 | 46102.277 | 30.174 |
| 31349.551 | 24.440 | 1.021 | 14.704 |
| 10/15/2016 9:15:00 AM | 213300.000 | 120.879 | 19.112 |
| 272.293 | 40914.949 | 46099.801 | 30.172 |
| 31347.865 | 24.441 | 1.021 | 14.704 |
| 10/15/2016 9:30:00 AM | 214200.000 | 120.948 | 19.110 |
| 272.447 | 40924.313 | 46111.477 | 30.181 |
| 31355.807 | 24.435 | 1.021 | 14.705 |
| 10/15/2016 9:45:00 AM | 215100.000 | 120.923 | 19.106 |
| 272.392 | 40914.578 | 46105.098 | 30.176 |
| 31351.469 | 24.441 | 1.021 | 14.711 |
| 10/15/2016 10:00:00 AM | 216000.000 | 120.971 | 19.117 |
| 272.500 | 40949.258 | 46133.258 | 30.197 |
| 31370.617 | 24.420 | 1.021 | 14.711 |
| 10/15/2016 10:15:00 AM | 216900.000 | 120.968 | 19.110 |
| 272.493 | 40927.383 | 46115.723 | 30.184 |
| 31358.691 | 24.434 | 1.021 | 14.711 |
| 10/15/2016 10:30:00 AM | 217800.000 | 120.976 | 19.110 |
| 272.511 | 40920.094 | 46106.809 | 30.177 |
| 31352.633 | 24.438 | 1.021 | 14.712 |
| 10/15/2016 10:45:00 AM | 218700.000 | 120.985 | 19.113 |
| 272.530 | 40921.457 | 46105.406 | 30.176 |
| 31351.678 | 24.437 | 1.021 | 14.710 |
| 10/15/2016 11:00:00 AM | 219600.000 | 120.989 | 19.108 |
| 272.539 | 40897.574 | 46083.340 | 30.160 |
| 31336.674 | 24.451 | 1.021 | 14.709 |
| 10/15/2016 11:15:00 AM | 220500.000 | 120.944 | 19.104 |
| 272.439 | 40927.059 | 46120.547 | 30.187 |
| 31361.975 | 24.434 | 1.021 | 14.710 |
| 10/15/2016 11:30:00 AM | 221400.000 | 120.924 | 19.107 |
| 272.394 | 40909.168 | 46097.621 | 30.171 |
| 31346.385 | 24.444 | 1.021 | 14.703 |
| 10/15/2016 11:45:00 AM | 222300.000 | 120.906 | 19.110 |

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| 272.353 | 40915.445 | 46102.016 | 30.174 |
| 31349.373 | 24.441 | 1.021 | 14.699 |
| 10/15/2016 12:00:00 PM | 223200.000 | 120.907 | 19.106 |
| 272.355 | 40930.242 | 46122.500 | 30.189 |
| 31363.303 | 24.432 | 1.021 | 14.698 |
| 10/15/2016 12:15:00 PM | 224100.000 | 120.855 | 19.107 |
| 272.238 | 40925.738 | 46116.461 | 30.184 |
| 31359.195 | 24.435 | 1.021 | 14.694 |
| 10/15/2016 12:30:00 PM | 225000.000 | 120.817 | 19.102 |
| 272.152 | 40943.242 | 46140.957 | 30.202 |
| 31375.854 | 24.424 | 1.021 | 14.693 |
| 10/15/2016 12:45:00 PM | 225900.000 | 120.758 | 19.109 |
| 272.019 | 40920.270 | 46108.316 | 30.178 |
| 31353.658 | 24.438 | 1.021 | 14.693 |
| 10/15/2016 1:00:00 PM | 226800.000 | 120.688 | 19.107 |
| 271.861 | 40929.406 | 46120.426 | 30.187 |
| 31361.893 | 24.432 | 1.021 | 14.689 |
| 10/15/2016 1:15:00 PM | 227700.000 | 120.617 | 19.105 |
| 271.703 | 40924.379 | 46116.836 | 30.184 |
| 31359.451 | 24.435 | 1.021 | 14.677 |
| 10/15/2016 1:30:00 PM | 228600.000 | 120.577 | 19.109 |
| 271.612 | 40914.074 | 46101.250 | 30.173 |
| 31348.850 | 24.441 | 1.021 | 14.677 |
| 10/15/2016 1:45:00 PM | 229500.000 | 120.546 | 19.100 |
| 271.542 | 40899.449 | 46093.945 | 30.168 |
| 31343.883 | 24.450 | 1.021 | 14.672 |
| 10/15/2016 2:00:00 PM | 230400.000 | 120.510 | 19.106 |
| 271.461 | 40935.574 | 46128.508 | 30.193 |
| 31367.387 | 24.429 | 1.021 | 14.670 |
| 10/15/2016 2:15:00 PM | 231300.000 | 120.493 | 19.105 |
| 271.422 | 40892.930 | 46081.309 | 30.159 |
| 31335.293 | 24.454 | 1.021 | 14.667 |
| 10/15/2016 2:30:00 PM | 232200.000 | 120.354 | 19.101 |
| 271.110 | 40928.957 | 46126.336 | 30.191 |
| 31365.910 | 24.433 | 1.021 | 14.659 |
| 10/15/2016 2:45:00 PM | 233100.000 | 120.311 | 19.104 |
| 271.012 | 40908.051 | 46099.484 | 30.172 |
| 31347.652 | 24.445 | 1.021 | 14.651 |
| 10/15/2016 3:00:00 PM | 234000.000 | 120.313 | 19.107 |
| 271.016 | 40946.660 | 46139.695 | 30.201 |
| 31374.994 | 24.422 | 1.021 | 14.659 |
| 10/15/2016 3:15:00 PM | 234900.000 | 120.259 | 19.114 |
| 270.894 | 40920.598 | 46103.484 | 30.175 |
| 31350.371 | 24.438 | 1.021 | 14.664 |
| 10/15/2016 3:30:00 PM | 235800.000 | 120.218 | 19.121 |
| 270.804 | 40934.602 | 46112.258 | 30.182 |
| 31356.336 | 24.429 | 1.021 | 14.663 |
| 10/15/2016 3:45:00 PM | 236700.000 | 120.188 | 19.112 |
| 270.735 | 40907.395 | 46090.863 | 30.166 |
| 31341.789 | 24.445 | 1.021 | 14.660 |
| 10/15/2016 4:00:00 PM | 237600.000 | 120.205 | 19.106 |
| 270.774 | 40915.688 | 46106.270 | 30.177 |
| 31352.264 | 24.441 | 1.021 | 14.655 |
| 10/15/2016 4:15:00 PM | 238500.000 | 120.114 | 19.104 |

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| 270.568 | 40922.023 | 46115.047 | 30.183 |
| 31358.234 | 24.437 | 1.021 | 14.659 |
| 10/15/2016 4:30:00 PM | 239400.000 | 120.105 | 19.103 |
| 270.548 | 40919.492 | 46113.156 | 30.182 |
| 31356.949 | 24.438 | 1.021 | 14.669 |
| 10/15/2016 4:45:00 PM | 240300.000 | 120.082 | 19.102 |
| 270.496 | 40911.754 | 46105.816 | 30.176 |
| 31351.957 | 24.443 | 1.021 | 14.674 |
| 10/15/2016 5:00:00 PM | 241200.000 | 120.090 | 19.099 |
| 270.515 | 40919.520 | 46116.910 | 30.184 |
| 31359.500 | 24.438 | 1.021 | 14.667 |
| 10/15/2016 5:15:00 PM | 242100.000 | 120.134 | 19.105 |
| 270.613 | 40891.305 | 46079.566 | 30.157 |
| 31334.105 | 24.455 | 1.021 | 14.668 |
| 10/15/2016 5:30:00 PM | 243000.000 | 120.109 | 19.096 |
| 270.556 | 40914.230 | 46114.672 | 30.182 |
| 31357.979 | 24.441 | 1.021 | 14.670 |
| 10/15/2016 5:45:00 PM | 243900.000 | 120.097 | 19.099 |
| 270.530 | 40889.715 | 46083.926 | 30.160 |
| 31337.072 | 24.456 | 1.021 | 14.668 |
| 10/15/2016 6:00:00 PM | 244800.000 | 120.205 | 19.102 |
| 270.774 | 40939.129 | 46136.750 | 30.199 |
| 31372.992 | 24.427 | 1.021 | 14.664 |
| 10/15/2016 6:15:00 PM | 245700.000 | 120.189 | 19.104 |
| 270.736 | 40945.051 | 46141.086 | 30.202 |
| 31375.939 | 24.423 | 1.021 | 14.659 |
| 10/15/2016 6:30:00 PM | 246600.000 | 120.275 | 19.106 |
| 270.931 | 40931.316 | 46123.277 | 30.189 |
| 31363.830 | 24.431 | 1.021 | 14.660 |
| 10/15/2016 6:45:00 PM | 247500.000 | 120.272 | 19.104 |
| 270.924 | 40920.508 | 46113.945 | 30.182 |
| 31357.484 | 24.438 | 1.021 | 14.663 |
| 10/15/2016 7:00:00 PM | 248400.000 | 120.312 | 19.102 |
| 271.014 | 40912.844 | 46106.699 | 30.177 |
| 31352.559 | 24.442 | 1.021 | 14.662 |
| 10/15/2016 7:15:00 PM | 249300.000 | 120.396 | 19.107 |
| 271.203 | 40919.875 | 46109.688 | 30.179 |
| 31354.590 | 24.438 | 1.021 | 14.660 |
| 10/15/2016 7:30:00 PM | 250200.000 | 120.442 | 19.110 |
| 271.307 | 40935.773 | 46124.566 | 30.190 |
| 31364.705 | 24.429 | 1.021 | 14.655 |
| 10/15/2016 7:45:00 PM | 251100.000 | 120.471 | 19.106 |
| 271.373 | 40944.637 | 46138.809 | 30.201 |
| 31374.391 | 24.423 | 1.021 | 14.662 |
| 10/15/2016 8:00:00 PM | 252000.000 | 120.513 | 19.106 |
| 271.467 | 40932.551 | 46124.832 | 30.190 |
| 31364.889 | 24.430 | 1.021 | 14.667 |
| 10/15/2016 8:15:00 PM | 252900.000 | 120.596 | 19.112 |
| 271.654 | 40943.328 | 46130.828 | 30.195 |
| 31368.965 | 24.424 | 1.021 | 14.666 |
| 10/15/2016 8:30:00 PM | 253800.000 | 120.618 | 19.107 |
| 271.705 | 40899.773 | 46087.035 | 30.163 |
| 31339.186 | 24.450 | 1.021 | 14.670 |
| 10/15/2016 8:45:00 PM | 254700.000 | 120.701 | 19.108 |

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|---|---|---|---|
| 271.891 | 40935.590 | 46126.441 | 30.192 |
| 31365.982 | 24.429 | 1.021 | 14.663 |
| 10/15/2016 9:00:00 PM | 255600.000 | 120.711 | 19.109 |
| 271.913 | 40912.977 | 46099.840 | 30.172 |
| 31347.893 | 24.442 | 1.021 | 14.672 |
| 10/15/2016 9:15:00 PM | 256500.000 | 120.765 | 19.104 |
| 272.034 | 40916.301 | 46108.949 | 30.179 |
| 31354.088 | 24.440 | 1.021 | 14.670 |
| 10/15/2016 9:30:00 PM | 257400.000 | 120.817 | 19.106 |
| 272.152 | 40930.781 | 46123.355 | 30.189 |
| 31363.885 | 24.431 | 1.021 | 14.664 |
| 10/15/2016 9:45:00 PM | 258300.000 | 120.860 | 19.110 |
| 272.249 | 40960.277 | 46152.000 | 30.210 |
| 31383.361 | 24.414 | 1.021 | 14.669 |
| 10/15/2016 10:00:00 PM | 259200.000 | 120.881 | 19.108 |
| 272.297 | 40906.543 | 46094.051 | 30.168 |
| 31343.955 | 24.446 | 1.021 | 14.679 |
| 10/15/2016 10:15:00 PM | 260100.000 | 120.939 | 19.107 |
| 272.426 | 40927.094 | 46117.469 | 30.185 |
| 31359.881 | 24.434 | 1.021 | 14.672 |
| 10/15/2016 10:30:00 PM | 261000.000 | 120.902 | 19.110 |
| 272.343 | 40902.961 | 46087.859 | 30.164 |
| 31339.746 | 24.448 | 1.021 | 14.669 |
| 10/15/2016 10:45:00 PM | 261900.000 | 120.944 | 19.109 |
| 272.437 | 40918.574 | 46106.754 | 30.177 |
| 31352.594 | 24.439 | 1.021 | 14.672 |
| 10/15/2016 11:00:00 PM | 262800.000 | 120.927 | 19.112 |
| 272.399 | 40923.438 | 46108.418 | 30.179 |
| 31353.725 | 24.436 | 1.021 | 14.670 |
| 10/15/2016 11:15:00 PM | 263700.000 | 120.931 | 19.109 |
| 272.409 | 40935.766 | 46125.691 | 30.191 |
| 31365.473 | 24.429 | 1.021 | 14.671 |
| 10/15/2016 11:30:00 PM | 264600.000 | 120.921 | 19.113 |
| 272.385 | 40966.438 | 46156.699 | 30.214 |
| 31386.559 | 24.410 | 1.021 | 14.675 |
| 10/15/2016 11:45:00 PM | 265500.000 | 120.946 | 19.112 |
| 272.444 | 40929.387 | 46115.469 | 30.184 |
| 31358.520 | 24.432 | 1.021 | 14.677 |
| 10/16/2016 12:00:00 AM | 266400.000 | 120.898 | 19.109 |
| 272.335 | 40892.418 | 46077.363 | 30.156 |
| 31332.609 | 24.454 | 1.021 | 14.678 |
| 10/16/2016 12:15:00 AM | 267300.000 | 120.912 | 19.111 |
| 272.366 | 40956.887 | 46147.316 | 30.207 |
| 31380.176 | 24.416 | 1.021 | 14.677 |
| 10/16/2016 12:30:00 AM | 268200.000 | 120.815 | 19.104 |
| 272.147 | 40938.855 | 46133.840 | 30.197 |
| 31371.014 | 24.427 | 1.021 | 14.681 |
| 10/16/2016 12:45:00 AM | 269100.000 | 120.808 | 19.103 |
| 272.131 | 40937.457 | 46133.750 | 30.197 |
| 31370.953 | 24.428 | 1.021 | 14.684 |
| 10/16/2016 1:00:00 AM | 270000.000 | 120.765 | 19.105 |
| 272.035 | 40966.508 | 46164.402 | 30.219 |
| 31391.795 | 24.410 | 1.021 | 14.683 |
| 10/16/2016 1:15:00 AM | 270900.000 | 120.758 | 19.106 |

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|---|---|---|---|
| 272.019 | 40924.676 | 46116.137 | 30.184 |
| 31358.975 | 24.435 | 1.021 | 14.680 |
| 10/16/2016 1:30:00 AM | 271800.000 | 120.690 | 19.114 |
| 271.865 | 40918.207 | 46100.699 | 30.173 |
| 31348.479 | 24.439 | 1.021 | 14.682 |
| 10/16/2016 1:45:00 AM | 272700.000 | 120.629 | 19.118 |
| 271.729 | 40949.094 | 46131.699 | 30.196 |
| 31369.559 | 24.421 | 1.021 | 14.682 |
| 10/16/2016 2:00:00 AM | 273600.000 | 120.597 | 19.105 |
| 271.657 | 40922.168 | 46114.609 | 30.183 |
| 31357.938 | 24.437 | 1.021 | 14.686 |
| 10/16/2016 2:15:00 AM | 274500.000 | 120.583 | 19.103 |
| 271.625 | 40918.477 | 46112.441 | 30.181 |
| 31356.463 | 24.439 | 1.021 | 14.684 |
| 10/16/2016 2:30:00 AM | 275400.000 | 120.556 | 19.098 |
| 271.564 | 40907.660 | 46104.840 | 30.175 |
| 31351.291 | 24.445 | 1.021 | 14.682 |
| 10/16/2016 2:45:00 AM | 276300.000 | 120.452 | 19.107 |
| 271.330 | 40924.141 | 46114.320 | 30.183 |
| 31357.740 | 24.435 | 1.021 | 14.684 |
| 10/16/2016 3:00:00 AM | 277200.000 | 120.439 | 19.110 |
| 271.301 | 40932.387 | 46121.188 | 30.188 |
| 31362.410 | 24.431 | 1.021 | 14.678 |
| 10/16/2016 3:15:00 AM | 278100.000 | 120.381 | 19.109 |
| 271.171 | 40928.316 | 46117.813 | 30.185 |
| 31360.115 | 24.433 | 1.021 | 14.681 |
| 10/16/2016 3:30:00 AM | 279000.000 | 120.365 | 19.103 |
| 271.134 | 40933.457 | 46129.059 | 30.193 |
| 31367.762 | 24.430 | 1.021 | 14.673 |
| 10/16/2016 3:45:00 AM | 279900.000 | 120.330 | 19.106 |
| 271.056 | 40903.215 | 46092.391 | 30.167 |
| 31342.826 | 24.448 | 1.021 | 14.673 |
| 10/16/2016 4:00:00 AM | 280800.000 | 120.326 | 19.105 |
| 271.046 | 40919.563 | 46111.320 | 30.180 |
| 31355.699 | 24.438 | 1.021 | 14.674 |
| 10/16/2016 4:15:00 AM | 281700.000 | 120.282 | 19.098 |
| 270.946 | 40953.098 | 46156.313 | 30.213 |
| 31386.295 | 24.418 | 1.021 | 14.674 |
| 10/16/2016 4:30:00 AM | 282600.000 | 120.293 | 19.101 |
| 270.971 | 40938.563 | 46136.898 | 30.199 |
| 31373.092 | 24.427 | 1.021 | 14.668 |
| 10/16/2016 4:45:00 AM | 283500.000 | 120.286 | 19.103 |
| 270.955 | 40894.289 | 46084.578 | 30.161 |
| 31337.516 | 24.453 | 1.021 | 14.672 |
| 10/16/2016 5:00:00 AM | 284400.000 | 120.273 | 19.103 |
| 270.926 | 40896.574 | 46088.016 | 30.163 |
| 31339.854 | 24.452 | 1.021 | 14.672 |
| 10/16/2016 5:15:00 AM | 285300.000 | 120.271 | 19.102 |
| 270.922 | 40924.719 | 46120.168 | 30.187 |
| 31361.717 | 24.435 | 1.021 | 14.673 |
| 10/16/2016 5:30:00 AM | 286200.000 | 120.292 | 19.109 |
| 270.970 | 40916.184 | 46103.797 | 30.175 |
| 31350.584 | 24.440 | 1.021 | 14.669 |
| 10/16/2016 5:45:00 AM | 287100.000 | 120.314 | 19.102 |

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|---|---|---|---|
| 271.020 | 40925.191 | 46120.879 | 30.187 |
| 31362.197 | 24.435 | 1.021 | 14.677 |
| 10/16/2016 6:00:00 AM | 288000.000 | 120.362 | 19.108 |
| 271.128 | 40913.961 | 46102.410 | 30.174 |
| 31349.641 | 24.442 | 1.021 | 14.669 |
| 10/16/2016 6:15:00 AM | 288900.000 | 120.374 | 19.108 |
| 271.154 | 40931.215 | 46121.336 | 30.188 |
| 31362.508 | 24.431 | 1.021 | 14.668 |
| 10/16/2016 6:30:00 AM | 289800.000 | 120.407 | 19.104 |
| 271.228 | 40900.637 | 46091.387 | 30.166 |
| 31342.145 | 24.449 | 1.021 | 14.668 |
| 10/16/2016 6:45:00 AM | 290700.000 | 120.449 | 19.101 |
| 271.323 | 40951.027 | 46150.590 | 30.209 |
| 31382.404 | 24.419 | 1.021 | 14.675 |
| 10/16/2016 7:00:00 AM | 291600.000 | 120.494 | 19.106 |
| 271.425 | 40908.773 | 46098.215 | 30.171 |
| 31346.789 | 24.445 | 1.021 | 14.667 |
| 10/16/2016 7:15:00 AM | 292500.000 | 120.540 | 19.103 |
| 271.529 | 40888.539 | 46078.531 | 30.156 |
| 31333.404 | 24.457 | 1.021 | 14.671 |
| 10/16/2016 7:30:00 AM | 293400.000 | 120.618 | 19.106 |
| 271.705 | 40959.074 | 46155.418 | 30.213 |
| 31385.686 | 24.415 | 1.021 | 14.669 |
| 10/16/2016 7:45:00 AM | 294300.000 | 120.642 | 19.107 |
| 271.757 | 40920.000 | 46110.262 | 30.180 |
| 31354.980 | 24.438 | 1.021 | 14.666 |
| 10/16/2016 8:00:00 AM | 295200.000 | 120.686 | 19.107 |
| 271.857 | 40942.004 | 46134.973 | 30.198 |
| 31371.783 | 24.425 | 1.021 | 14.662 |
| 10/16/2016 8:15:00 AM | 296100.000 | 120.815 | 19.109 |
| 272.147 | 40930.598 | 46120.035 | 30.187 |
| 31361.625 | 24.432 | 1.021 | 14.661 |
| 10/16/2016 8:30:00 AM | 297000.000 | 120.849 | 19.109 |
| 272.224 | 40906.172 | 46092.176 | 30.167 |
| 31342.682 | 24.446 | 1.021 | 14.667 |
| 10/16/2016 8:45:00 AM | 297900.000 | 120.882 | 19.107 |
| 272.299 | 40917.410 | 46106.734 | 30.177 |
| 31352.580 | 24.439 | 1.021 | 14.668 |
| 10/16/2016 9:00:00 AM | 298800.000 | 120.969 | 19.104 |
| 272.494 | 40906.520 | 46097.758 | 30.170 |
| 31346.477 | 24.446 | 1.021 | 14.662 |
| 10/16/2016 9:15:00 AM | 299700.000 | 121.009 | 19.104 |
| 272.585 | 40945.473 | 46142.078 | 30.203 |
| 31376.615 | 24.423 | 1.021 | 14.661 |
| 10/16/2016 9:30:00 AM | 300600.000 | 121.010 | 19.107 |
| 272.587 | 40923.270 | 46113.945 | 30.182 |
| 31357.484 | 24.436 | 1.021 | 14.664 |
| 10/16/2016 9:45:00 AM | 301500.000 | 121.079 | 19.111 |
| 272.742 | 40934.043 | 46122.270 | 30.189 |
| 31363.146 | 24.430 | 1.021 | 14.663 |
| 10/16/2016 10:00:00 AM | 302400.000 | 121.126 | 19.113 |
| 272.847 | 40924.574 | 46109.012 | 30.179 |
| 31354.129 | 24.435 | 1.021 | 14.664 |
| 10/16/2016 10:15:00 AM | 303300.000 | 121.134 | 19.109 |

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|---|---|---|---|
| 272.866 | 40944.738 | 46135.445 | 30.198 |
| 31372.105 | 24.423 | 1.021 | 14.665 |
| 10/16/2016 10:30:00 AM | 304200.000 | 121.183 | 19.107 |
| 272.977 | 40916.395 | 46105.410 | 30.176 |
| 31351.682 | 24.440 | 1.021 | 14.660 |
| 10/16/2016 10:45:00 AM | 305100.000 | 121.184 | 19.111 |
| 272.979 | 40907.813 | 46092.281 | 30.167 |
| 31342.754 | 24.445 | 1.021 | 14.659 |
| 10/16/2016 11:00:00 AM | 306000.000 | 121.209 | 19.110 |
| 273.035 | 40969.887 | 46163.617 | 30.219 |
| 31391.262 | 24.408 | 1.021 | 14.660 |
| 10/16/2016 11:15:00 AM | 306900.000 | 121.165 | 19.110 |
| 272.935 | 40933.117 | 46121.746 | 30.188 |
| 31362.789 | 24.430 | 1.021 | 14.658 |
| 10/16/2016 11:30:00 AM | 307800.000 | 121.193 | 19.112 |
| 272.998 | 40913.203 | 46096.977 | 30.170 |
| 31345.947 | 24.442 | 1.021 | 14.658 |
| 10/16/2016 11:45:00 AM | 308700.000 | 121.192 | 19.108 |
| 272.996 | 40957.641 | 46151.805 | 30.210 |
| 31383.229 | 24.415 | 1.021 | 14.659 |
| 10/16/2016 12:00:00 PM | 309600.000 | 121.162 | 19.109 |
| 272.930 | 40915.457 | 46102.453 | 30.174 |
| 31349.670 | 24.441 | 1.021 | 14.652 |
| 10/16/2016 12:15:00 PM | 310500.000 | 121.145 | 19.118 |
| 272.890 | 40947.805 | 46130.410 | 30.195 |
| 31368.682 | 24.421 | 1.021 | 14.647 |
| 10/16/2016 12:30:00 PM | 311400.000 | 121.084 | 19.115 |
| 272.754 | 40938.477 | 46122.426 | 30.189 |
| 31363.250 | 24.427 | 1.021 | 14.652 |
| 10/16/2016 12:45:00 PM | 312300.000 | 121.039 | 19.105 |
| 272.653 | 40976.367 | 46175.598 | 30.227 |
| 31399.408 | 24.404 | 1.021 | 14.653 |
| 10/16/2016 1:00:00 PM | 313200.000 | 120.966 | 19.107 |
| 272.489 | 40919.164 | 46109.320 | 30.179 |
| 31354.340 | 24.438 | 1.021 | 14.652 |
| 10/16/2016 1:15:00 PM | 314100.000 | 120.954 | 19.109 |
| 272.460 | 40913.953 | 46100.941 | 30.173 |
| 31348.643 | 24.442 | 1.021 | 14.645 |
| 10/16/2016 1:30:00 PM | 315000.000 | 120.899 | 19.105 |
| 272.337 | 40908.293 | 46098.453 | 30.171 |
| 31346.951 | 24.445 | 1.021 | 14.654 |
| 10/16/2016 1:45:00 PM | 315900.000 | 120.867 | 19.110 |
| 272.265 | 40924.270 | 46111.867 | 30.181 |
| 31356.072 | 24.435 | 1.021 | 14.641 |
| 10/16/2016 2:00:00 PM | 316800.000 | 120.771 | 19.111 |
| 272.049 | 40931.957 | 46119.063 | 30.186 |
| 31360.963 | 24.431 | 1.021 | 14.636 |
| 10/16/2016 2:15:00 PM | 317700.000 | 120.703 | 19.107 |
| 271.895 | 40945.754 | 46138.848 | 30.201 |
| 31374.418 | 24.423 | 1.021 | 14.632 |
| 10/16/2016 2:30:00 PM | 318600.000 | 120.658 | 19.103 |
| 271.793 | 40893.641 | 46084.281 | 30.161 |
| 31337.314 | 24.454 | 1.021 | 14.630 |
| 10/16/2016 2:45:00 PM | 319500.000 | 120.637 | 19.105 |

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|---|---|---|---|
| 271.746 | 40927.930 | 46121.105 | 30.188 |
| 31362.352 | 24.433 | 1.021 | 14.636 |
| 10/16/2016 3:00:00 PM | 320400.000 | 120.562 | 19.107 |
| 271.577 | 40940.008 | 46132.199 | 30.196 |
| 31369.898 | 24.426 | 1.021 | 14.631 |
| 10/16/2016 3:15:00 PM | 321300.000 | 120.500 | 19.102 |
| 271.437 | 40899.434 | 46092.109 | 30.166 |
| 31342.637 | 24.450 | 1.021 | 14.638 |
| 10/16/2016 3:30:00 PM | 322200.000 | 120.444 | 19.100 |
| 271.313 | 40927.879 | 46125.801 | 30.191 |
| 31365.547 | 24.433 | 1.021 | 14.633 |
| 10/16/2016 3:45:00 PM | 323100.000 | 120.373 | 19.114 |
| 271.153 | 40942.160 | 46128.129 | 30.193 |
| 31367.131 | 24.425 | 1.021 | 14.635 |
| 10/16/2016 4:00:00 PM | 324000.000 | 120.336 | 19.109 |
| 271.068 | 40896.934 | 46082.020 | 30.159 |
| 31335.775 | 24.452 | 1.021 | 14.631 |
| 10/16/2016 4:15:00 PM | 324900.000 | 120.313 | 19.107 |
| 271.018 | 40912.496 | 46101.020 | 30.173 |
| 31348.695 | 24.442 | 1.021 | 14.635 |
| 10/16/2016 4:30:00 PM | 325800.000 | 120.246 | 19.099 |
| 270.866 | 40905.152 | 46101.484 | 30.173 |
| 31349.010 | 24.447 | 1.021 | 14.639 |
| 10/16/2016 4:45:00 PM | 326700.000 | 120.235 | 19.098 |
| 270.841 | 40896.508 | 46092.438 | 30.166 |
| 31342.859 | 24.452 | 1.021 | 14.639 |
| 10/16/2016 5:00:00 PM | 327600.000 | 120.238 | 19.102 |
| 270.848 | 40921.023 | 46116.004 | 30.184 |
| 31358.885 | 24.437 | 1.021 | 14.639 |
| 10/16/2016 5:15:00 PM | 328500.000 | 120.205 | 19.099 |
| 270.773 | 40921.457 | 46119.520 | 30.186 |
| 31361.275 | 24.437 | 1.021 | 14.644 |
| 10/16/2016 5:30:00 PM | 329400.000 | 120.129 | 19.104 |
| 270.603 | 40913.840 | 46106.430 | 30.177 |
| 31352.375 | 24.442 | 1.021 | 14.652 |
| 10/16/2016 5:45:00 PM | 330300.000 | 120.162 | 19.101 |
| 270.676 | 40915.172 | 46110.621 | 30.180 |
| 31355.225 | 24.441 | 1.021 | 14.652 |
| 10/16/2016 6:00:00 PM | 331200.000 | 120.167 | 19.106 |
| 270.687 | 40923.227 | 46115.023 | 30.183 |
| 31358.219 | 24.436 | 1.021 | 14.649 |
| 10/16/2016 6:15:00 PM | 332100.000 | 120.174 | 19.103 |
| 270.703 | 40926.883 | 46121.742 | 30.188 |
| 31362.787 | 24.434 | 1.021 | 14.653 |
| 10/16/2016 6:30:00 PM | 333000.000 | 120.174 | 19.102 |
| 270.705 | 40932.844 | 46129.664 | 30.194 |
| 31368.174 | 24.430 | 1.021 | 14.652 |
| 10/16/2016 6:45:00 PM | 333900.000 | 120.219 | 19.101 |
| 270.805 | 40924.930 | 46121.957 | 30.188 |
| 31362.932 | 24.435 | 1.021 | 14.654 |
| 10/16/2016 7:00:00 PM | 334800.000 | 120.239 | 19.101 |
| 270.850 | 40926.219 | 46122.465 | 30.188 |
| 31363.279 | 24.434 | 1.021 | 14.657 |
| 10/16/2016 7:15:00 PM | 335700.000 | 120.266 | 19.103 |

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|---|---|---|---|
| 270.911 | 40920.938 | 46114.609 | 30.183 |
| 31357.938 | 24.437 | 1.021 | 14.651 |
| 10/16/2016 7:30:00 PM | 336600.000 | 120.309 | 19.106 |
| 271.007 | 40935.059 | 46127.926 | 30.193 |
| 31366.990 | 24.429 | 1.021 | 14.656 |
| 10/16/2016 7:45:00 PM | 337500.000 | 120.334 | 19.103 |
| 271.063 | 40905.734 | 46097.734 | 30.170 |
| 31346.461 | 24.446 | 1.021 | 14.665 |
| 10/16/2016 8:00:00 PM | 338400.000 | 120.414 | 19.104 |
| 271.244 | 40923.668 | 46116.816 | 30.184 |
| 31359.438 | 24.436 | 1.021 | 14.652 |
| 10/16/2016 8:15:00 PM | 339300.000 | 120.460 | 19.107 |
| 271.347 | 40884.797 | 46069.805 | 30.150 |
| 31327.469 | 24.459 | 1.021 | 14.650 |
| 10/16/2016 8:30:00 PM | 340200.000 | 120.505 | 19.110 |
| 271.448 | 40928.605 | 46117.004 | 30.185 |
| 31359.564 | 24.433 | 1.021 | 14.661 |
| 10/16/2016 8:45:00 PM | 341100.000 | 120.512 | 19.110 |
| 271.465 | 40938.676 | 46128.449 | 30.193 |
| 31367.348 | 24.427 | 1.021 | 14.659 |
| 10/16/2016 9:00:00 PM | 342000.000 | 120.573 | 19.104 |
| 271.604 | 40937.633 | 46132.727 | 30.196 |
| 31370.254 | 24.427 | 1.021 | 14.661 |
| 10/16/2016 9:15:00 PM | 342900.000 | 120.646 | 19.109 |
| 271.767 | 40913.129 | 46100.441 | 30.173 |
| 31348.303 | 24.442 | 1.021 | 14.658 |
| 10/16/2016 9:30:00 PM | 343800.000 | 120.714 | 19.115 |
| 271.920 | 40945.781 | 46131.086 | 30.195 |
| 31369.141 | 24.423 | 1.021 | 14.662 |
| 10/16/2016 9:45:00 PM | 344700.000 | 120.753 | 19.107 |
| 272.008 | 40915.168 | 46104.293 | 30.175 |
| 31350.922 | 24.441 | 1.021 | 14.667 |
| 10/16/2016 10:00:00 PM | 345600.000 | 120.781 | 19.102 |
| 272.072 | 40906.152 | 46098.984 | 30.171 |
| 31347.313 | 24.446 | 1.021 | 14.672 |
| 10/16/2016 10:15:00 PM | 346500.000 | 120.864 | 19.106 |
| 272.257 | 40950.754 | 46145.523 | 30.205 |
| 31378.957 | 24.420 | 1.021 | 14.672 |
| 10/16/2016 10:30:00 PM | 347400.000 | 120.912 | 19.108 |
| 272.366 | 40940.730 | 46132.500 | 30.196 |
| 31370.102 | 24.426 | 1.021 | 14.664 |
| 10/16/2016 10:45:00 PM | 348300.000 | 120.916 | 19.113 |
| 272.376 | 40919.434 | 46103.301 | 30.175 |
| 31350.246 | 24.438 | 1.021 | 14.674 |
| 10/16/2016 11:00:00 PM | 349200.000 | 120.939 | 19.112 |
| 272.427 | 40921.121 | 46106.512 | 30.177 |
| 31352.428 | 24.437 | 1.021 | 14.677 |
| 10/16/2016 11:15:00 PM | 350100.000 | 120.986 | 19.110 |
| 272.533 | 40925.703 | 46113.313 | 30.182 |
| 31357.055 | 24.435 | 1.021 | 14.677 |
| 10/16/2016 11:30:00 PM | 351000.000 | 120.975 | 19.111 |
| 272.508 | 40973.105 | 46166.113 | 30.221 |
| 31392.957 | 24.406 | 1.021 | 14.682 |
| 10/16/2016 11:45:00 PM | 351900.000 | 121.007 | 19.113 |

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|---|---|---|---|
| 272.581 | 40949.141 | 46136.945 | 30.199 |
| 31373.125 | 24.421 | 1.021 | 14.678 |
| 10/17/2016 12:00:00 AM | 352800.000 | 121.049 | 19.117 |
| 272.675 | 40921.051 | 46100.793 | 30.173 |
| 31348.541 | 24.437 | 1.021 | 14.680 |
| 10/17/2016 12:15:00 AM | 353700.000 | 120.992 | 19.111 |
| 272.545 | 40948.387 | 46137.996 | 30.200 |
| 31373.840 | 24.421 | 1.021 | 14.676 |
| 10/17/2016 12:30:00 AM | 354600.000 | 120.970 | 19.113 |
| 272.497 | 40933.047 | 46118.465 | 30.186 |
| 31360.557 | 24.430 | 1.021 | 14.687 |
| 10/17/2016 12:45:00 AM | 355500.000 | 120.960 | 19.109 |
| 272.475 | 40948.523 | 46139.977 | 30.202 |
| 31375.186 | 24.421 | 1.021 | 14.689 |
| 10/17/2016 1:00:00 AM | 356400.000 | 120.981 | 19.107 |
| 272.523 | 40946.715 | 46139.758 | 30.201 |
| 31375.037 | 24.422 | 1.021 | 14.700 |
| 10/17/2016 1:15:00 AM | 357300.000 | 120.932 | 19.117 |
| 272.411 | 40918.605 | 46098.121 | 30.171 |
| 31346.723 | 24.439 | 1.021 | 14.699 |
| 10/17/2016 1:30:00 AM | 358200.000 | 120.919 | 19.115 |
| 272.383 | 40914.895 | 46096.453 | 30.170 |
| 31345.588 | 24.441 | 1.021 | 14.701 |
| 10/17/2016 1:45:00 AM | 359100.000 | 120.865 | 19.114 |
| 272.260 | 40934.254 | 46119.125 | 30.187 |
| 31361.008 | 24.429 | 1.021 | 14.700 |
| 10/17/2016 2:00:00 AM | 360000.000 | 120.835 | 19.108 |
| 272.193 | 40913.871 | 46101.703 | 30.174 |
| 31349.160 | 24.442 | 1.021 | 14.707 |
| 10/17/2016 2:15:00 AM | 360900.000 | 120.803 | 19.107 |
| 272.120 | 40934.410 | 46125.809 | 30.191 |
| 31365.553 | 24.429 | 1.021 | 14.703 |
| 10/17/2016 2:30:00 AM | 361800.000 | 120.746 | 19.107 |
| 271.991 | 40915.652 | 46104.930 | 30.176 |
| 31351.354 | 24.441 | 1.021 | 14.709 |
| 10/17/2016 2:45:00 AM | 362700.000 | 120.713 | 19.108 |
| 271.918 | 40917.266 | 46105.887 | 30.177 |
| 31352.006 | 24.440 | 1.021 | 14.707 |
| 10/17/2016 3:00:00 AM | 363600.000 | 120.671 | 19.109 |
| 271.822 | 40943.988 | 46135.215 | 30.198 |
| 31371.949 | 24.424 | 1.021 | 14.709 |
| 10/17/2016 3:15:00 AM | 364500.000 | 120.638 | 19.105 |
| 271.748 | 40906.379 | 46096.121 | 30.169 |
| 31345.365 | 24.446 | 1.021 | 14.705 |
| 10/17/2016 3:30:00 AM | 365400.000 | 120.589 | 19.102 |
| 271.638 | 40920.449 | 46115.098 | 30.183 |
| 31358.270 | 24.438 | 1.021 | 14.710 |
| 10/17/2016 3:45:00 AM | 366300.000 | 120.552 | 19.103 |
| 271.555 | 40944.426 | 46141.254 | 30.202 |
| 31376.055 | 24.423 | 1.021 | 14.709 |
| 10/17/2016 4:00:00 AM | 367200.000 | 120.536 | 19.099 |
| 271.519 | 40913.520 | 46110.840 | 30.180 |
| 31355.373 | 24.442 | 1.021 | 14.709 |
| 10/17/2016 4:15:00 AM | 368100.000 | 120.499 | 19.101 |

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|---|---|---|---|
| 271.436 | 40924.734 | 46120.875 | 30.187 |
| 31362.195 | 24.435 | 1.021 | 14.714 |
| 10/17/2016 4:30:00 AM | 369000.000 | 120.471 | 19.101 |
| 271.373 | 40907.930 | 46102.457 | 30.174 |
| 31349.674 | 24.445 | 1.021 | 14.713 |
| 10/17/2016 4:45:00 AM | 369900.000 | 120.443 | 19.100 |
| 271.311 | 40927.234 | 46125.074 | 30.190 |
| 31365.053 | 24.434 | 1.021 | 14.708 |
| 10/17/2016 5:00:00 AM | 370800.000 | 120.415 | 19.113 |
| 271.247 | 40959.152 | 46147.875 | 30.207 |
| 31380.557 | 24.415 | 1.021 | 14.721 |
| 10/17/2016 5:15:00 AM | 371700.000 | 120.428 | 19.111 |
| 271.275 | 40893.746 | 46076.090 | 30.155 |
| 31331.744 | 24.454 | 1.021 | 14.716 |
| 10/17/2016 5:30:00 AM | 372600.000 | 120.385 | 19.110 |
| 271.180 | 40904.598 | 46089.348 | 30.165 |
| 31340.758 | 24.447 | 1.021 | 14.724 |
| 10/17/2016 5:45:00 AM | 373500.000 | 120.375 | 19.106 |
| 271.157 | 40918.484 | 46109.160 | 30.179 |
| 31354.230 | 24.439 | 1.021 | 14.729 |
| 10/17/2016 6:00:00 AM | 374400.000 | 120.432 | 19.103 |
| 271.284 | 40943.516 | 46140.918 | 30.202 |
| 31375.826 | 24.424 | 1.021 | 14.726 |
| 10/17/2016 6:15:00 AM | 375300.000 | 120.425 | 19.107 |
| 271.270 | 40935.391 | 46127.336 | 30.192 |
| 31366.588 | 24.429 | 1.021 | 14.728 |
| 10/17/2016 6:30:00 AM | 376200.000 | 120.439 | 19.103 |
| 271.300 | 40948.992 | 46147.016 | 30.206 |
| 31379.973 | 24.421 | 1.021 | 14.729 |
| 10/17/2016 6:45:00 AM | 377100.000 | 120.483 | 19.098 |
| 271.399 | 40914.105 | 46112.105 | 30.181 |
| 31356.234 | 24.441 | 1.021 | 14.737 |
| 10/17/2016 7:00:00 AM | 378000.000 | 120.506 | 19.099 |
| 271.451 | 40915.328 | 46112.953 | 30.181 |
| 31356.811 | 24.441 | 1.021 | 14.731 |
| 10/17/2016 7:15:00 AM | 378900.000 | 120.521 | 19.107 |
| 271.485 | 40917.066 | 46106.688 | 30.177 |
| 31352.549 | 24.440 | 1.021 | 14.740 |
| 10/17/2016 7:30:00 AM | 379800.000 | 120.586 | 19.112 |
| 271.633 | 40922.086 | 46107.418 | 30.178 |
| 31353.047 | 24.437 | 1.021 | 14.736 |
| 10/17/2016 7:45:00 AM | 380700.000 | 120.631 | 19.113 |
| 271.733 | 40949.313 | 46137.223 | 30.200 |
| 31373.314 | 24.420 | 1.021 | 14.740 |
| 10/17/2016 8:00:00 AM | 381600.000 | 120.656 | 19.106 |
| 271.790 | 40888.664 | 46075.645 | 30.154 |
| 31331.441 | 24.457 | 1.021 | 14.745 |
| 10/17/2016 8:15:00 AM | 382500.000 | 120.722 | 19.110 |
| 271.939 | 40899.648 | 46084.215 | 30.161 |
| 31337.268 | 24.450 | 1.021 | 14.748 |
| 10/17/2016 8:30:00 AM | 383400.000 | 120.773 | 19.110 |
| 272.054 | 40905.320 | 46090.609 | 30.166 |
| 31341.617 | 24.447 | 1.021 | 14.750 |
| 10/17/2016 8:45:00 AM | 384300.000 | 120.812 | 19.111 |

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|---|---|---|---|
| 272.141 | 40921.055 | 46107.199 | 30.178 |
| 31352.898 | 24.437 | 1.021 | 14.755 |
| 10/17/2016 9:00:00 AM | 385200.000 | 120.884 | 19.106 |
| 272.303 | 40910.750 | 46100.359 | 30.172 |
| 31348.246 | 24.443 | 1.021 | 14.757 |
| 10/17/2016 9:15:00 AM | 386100.000 | 120.946 | 19.117 |
| 272.442 | 40907.207 | 46085.363 | 30.162 |
| 31338.049 | 24.446 | 1.021 | 14.759 |
| 10/17/2016 9:30:00 AM | 387000.000 | 120.995 | 19.113 |
| 272.553 | 40936.457 | 46122.215 | 30.189 |
| 31363.107 | 24.428 | 1.021 | 14.755 |
| 10/17/2016 9:45:00 AM | 387900.000 | 121.032 | 19.115 |
| 272.637 | 40950.820 | 46136.762 | 30.199 |
| 31373.000 | 24.420 | 1.021 | 14.759 |
| 10/17/2016 10:00:00 AM | 388800.000 | 121.081 | 19.108 |
| 272.746 | 40900.859 | 46087.398 | 30.163 |
| 31339.434 | 24.449 | 1.021 | 14.758 |
| 10/17/2016 10:15:00 AM | 389700.000 | 121.144 | 19.106 |
| 272.889 | 40930.938 | 46123.281 | 30.189 |
| 31363.834 | 24.431 | 1.021 | 14.760 |
| 10/17/2016 10:30:00 AM | 390600.000 | 121.163 | 19.109 |
| 272.932 | 40929.129 | 46117.949 | 30.185 |
| 31360.207 | 24.432 | 1.021 | 14.761 |
| 10/17/2016 10:45:00 AM | 391500.000 | 121.200 | 19.109 |
| 273.015 | 40885.617 | 46068.746 | 30.150 |
| 31326.750 | 24.458 | 1.021 | 14.766 |
| 10/17/2016 11:00:00 AM | 392400.000 | 121.271 | 19.110 |
| 273.175 | 40905.977 | 46091.348 | 30.166 |
| 31342.119 | 24.446 | 1.021 | 14.757 |
| 10/17/2016 11:15:00 AM | 393300.000 | 121.268 | 19.113 |
| 273.168 | 40922.000 | 46106.273 | 30.177 |
| 31352.266 | 24.437 | 1.021 | 14.766 |
| 10/17/2016 11:30:00 AM | 394200.000 | 121.282 | 19.114 |
| 273.200 | 40932.969 | 46117.680 | 30.185 |
| 31360.025 | 24.430 | 1.021 | 14.767 |
| 10/17/2016 11:45:00 AM | 395100.000 | 121.265 | 19.112 |
| 273.161 | 40937.426 | 46125.043 | 30.191 |
| 31365.031 | 24.428 | 1.021 | 14.757 |
| 10/17/2016 12:00:00 PM | 396000.000 | 121.256 | 19.111 |
| 273.141 | 40915.230 | 46100.297 | 30.173 |
| 31348.205 | 24.441 | 1.021 | 14.766 |
| 10/17/2016 12:15:00 PM | 396900.000 | 121.256 | 19.109 |
| 273.142 | 40937.930 | 46128.563 | 30.193 |
| 31367.424 | 24.427 | 1.021 | 14.760 |
| 10/17/2016 12:30:00 PM | 397800.000 | 121.262 | 19.108 |
| 273.155 | 40928.121 | 46117.672 | 30.185 |
| 31360.020 | 24.433 | 1.021 | 14.761 |
| 10/17/2016 12:45:00 PM | 398700.000 | 121.203 | 19.110 |
| 273.022 | 40927.621 | 46115.645 | 30.184 |
| 31358.641 | 24.433 | 1.021 | 14.765 |
| 10/17/2016 1:00:00 PM | 399600.000 | 121.178 | 19.109 |
| 272.966 | 40900.801 | 46086.379 | 30.162 |
| 31338.740 | 24.449 | 1.021 | 14.761 |
| 10/17/2016 1:15:00 PM | 400500.000 | 121.158 | 19.109 |

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|---|---|---|---|
| 272.921 | 40934.164 | 46123.797 | 30.190 |
| 31364.184 | 24.429 | 1.021 | 14.760 |
| 10/17/2016 1:30:00 PM | 401400.000 | 121.115 | 19.115 |
| 272.823 | 40932.914 | 46116.930 | 30.185 |
| 31359.512 | 24.430 | 1.021 | 14.755 |
| 10/17/2016 1:45:00 PM | 402300.000 | 121.033 | 19.116 |
| 272.638 | 40969.609 | 46156.977 | 30.214 |
| 31386.746 | 24.408 | 1.021 | 14.753 |
| 10/17/2016 2:00:00 PM | 403200.000 | 121.002 | 19.109 |
| 272.570 | 40961.543 | 46154.820 | 30.212 |
| 31385.279 | 24.413 | 1.021 | 14.751 |
| 10/17/2016 2:15:00 PM | 404100.000 | 120.948 | 19.104 |
| 272.447 | 40913.945 | 46106.551 | 30.177 |
| 31352.457 | 24.442 | 1.021 | 14.756 |
| 10/17/2016 2:30:00 PM | 405000.000 | 120.876 | 19.115 |
| 272.286 | 40974.043 | 46162.660 | 30.218 |
| 31390.611 | 24.406 | 1.021 | 14.755 |
| 10/17/2016 2:45:00 PM | 405900.000 | 120.760 | 19.119 |
| 272.023 | 40934.238 | 46113.914 | 30.183 |
| 31357.463 | 24.429 | 1.021 | 14.756 |
| 10/17/2016 3:00:00 PM | 406800.000 | 120.749 | 19.113 |
| 271.999 | 40920.211 | 46104.352 | 30.176 |
| 31350.959 | 24.438 | 1.021 | 14.748 |
| 10/17/2016 3:15:00 PM | 407700.000 | 120.707 | 19.103 |
| 271.905 | 40916.738 | 46110.566 | 30.180 |
| 31355.186 | 24.440 | 1.021 | 14.750 |
| 10/17/2016 3:30:00 PM | 408600.000 | 120.628 | 19.111 |
| 271.726 | 40959.418 | 46150.352 | 30.209 |
| 31382.242 | 24.414 | 1.021 | 14.744 |
| 10/17/2016 3:45:00 PM | 409500.000 | 120.580 | 19.106 |
| 271.618 | 40967.336 | 46164.473 | 30.219 |
| 31391.844 | 24.410 | 1.021 | 14.754 |
| 10/17/2016 4:00:00 PM | 410400.000 | 120.530 | 19.105 |
| 271.505 | 40916.430 | 46107.715 | 30.178 |
| 31353.246 | 24.440 | 1.021 | 14.747 |
| 10/17/2016 4:15:00 PM | 411300.000 | 120.413 | 19.107 |
| 271.243 | 40922.410 | 46112.543 | 30.181 |
| 31356.531 | 24.436 | 1.021 | 14.755 |
| 10/17/2016 4:30:00 PM | 412200.000 | 120.371 | 19.112 |
| 271.147 | 40915.047 | 46099.828 | 30.172 |
| 31347.885 | 24.441 | 1.021 | 14.747 |
| 10/17/2016 4:45:00 PM | 413100.000 | 120.338 | 19.102 |
| 271.074 | 40907.645 | 46101.105 | 30.173 |
| 31348.754 | 24.445 | 1.021 | 14.747 |
| 10/17/2016 5:00:00 PM | 414000.000 | 120.282 | 19.098 |
| 270.947 | 40922.031 | 46121.473 | 30.187 |
| 31362.602 | 24.437 | 1.021 | 14.746 |
| 10/17/2016 5:15:00 PM | 414900.000 | 120.257 | 19.110 |
| 270.890 | 40934.570 | 46122.961 | 30.189 |
| 31363.615 | 24.429 | 1.021 | 14.747 |
| 10/17/2016 5:30:00 PM | 415800.000 | 120.193 | 19.106 |
| 270.747 | 40924.840 | 46115.980 | 30.184 |
| 31358.869 | 24.435 | 1.021 | 14.742 |
| 10/17/2016 5:45:00 PM | 416700.000 | 120.200 | 19.101 |

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|---|---|---|---|
| 270.762 | 40945.910 | 46145.520 | 30.205 |
| 31378.953 | 24.422 | 1.021 | 14.744 |
| 10/17/2016 6:00:00 PM | 417600.000 | 120.149 | 19.109 |
| 270.647 | 40911.051 | 46097.672 | 30.171 |
| 31346.420 | 24.443 | 1.021 | 14.743 |
| 10/17/2016 6:15:00 PM | 418500.000 | 120.142 | 19.102 |
| 270.632 | 40893.527 | 46085.539 | 30.161 |
| 31338.168 | 24.454 | 1.021 | 14.746 |
| 10/17/2016 6:30:00 PM | 419400.000 | 120.148 | 19.114 |
| 270.644 | 40914.199 | 46096.973 | 30.170 |
| 31345.943 | 24.441 | 1.021 | 14.742 |
| 10/17/2016 6:45:00 PM | 420300.000 | 120.156 | 19.104 |
| 270.663 | 40945.961 | 46142.020 | 30.203 |
| 31376.576 | 24.422 | 1.021 | 14.744 |
| 10/17/2016 7:00:00 PM | 421200.000 | 120.126 | 19.094 |
| 270.596 | 40916.070 | 46118.039 | 30.185 |
| 31360.270 | 24.440 | 1.021 | 14.742 |
| 10/17/2016 7:15:00 PM | 422100.000 | 120.170 | 19.100 |
| 270.696 | 40899.574 | 46094.086 | 30.168 |
| 31343.980 | 24.450 | 1.021 | 14.747 |
| 10/17/2016 7:30:00 PM | 423000.000 | 120.167 | 19.103 |
| 270.689 | 40890.672 | 46081.293 | 30.158 |
| 31335.281 | 24.455 | 1.021 | 14.750 |
| 10/17/2016 7:45:00 PM | 423900.000 | 120.191 | 19.104 |
| 270.742 | 40904.219 | 46095.164 | 30.169 |
| 31344.713 | 24.447 | 1.021 | 14.753 |
| 10/17/2016 8:00:00 PM | 424800.000 | 120.220 | 19.104 |
| 270.807 | 40935.059 | 46129.918 | 30.194 |
| 31368.346 | 24.429 | 1.021 | 14.756 |
| 10/17/2016 8:15:00 PM | 425700.000 | 120.243 | 19.104 |
| 270.859 | 40939.520 | 46134.852 | 30.198 |
| 31371.701 | 24.426 | 1.021 | 14.755 |
| 10/17/2016 8:30:00 PM | 426600.000 | 120.293 | 19.110 |
| 270.971 | 40942.270 | 46132.398 | 30.196 |
| 31370.033 | 24.425 | 1.021 | 14.749 |
| 10/17/2016 8:45:00 PM | 427500.000 | 120.311 | 19.103 |
| 271.013 | 40915.750 | 46108.848 | 30.179 |
| 31354.020 | 24.440 | 1.021 | 14.762 |
| 10/17/2016 9:00:00 PM | 428400.000 | 120.391 | 19.106 |
| 271.193 | 40913.012 | 46102.727 | 30.174 |
| 31349.855 | 24.442 | 1.021 | 14.761 |
| 10/17/2016 9:15:00 PM | 429300.000 | 120.419 | 19.109 |
| 271.255 | 40974.520 | 46169.707 | 30.223 |
| 31395.400 | 24.405 | 1.021 | 14.761 |
| 10/17/2016 9:30:00 PM | 430200.000 | 120.488 | 19.099 |
| 271.412 | 40913.043 | 46110.305 | 30.179 |
| 31355.010 | 24.442 | 1.021 | 14.764 |
| 10/17/2016 9:45:00 PM | 431100.000 | 120.492 | 19.101 |
| 271.419 | 40923.484 | 46119.383 | 30.186 |
| 31361.182 | 24.436 | 1.021 | 14.758 |
| 10/17/2016 10:00:00 PM | 432000.000 | 120.590 | 19.104 |
| 271.640 | 40927.738 | 46121.926 | 30.188 |
| 31362.912 | 24.433 | 1.021 | 14.763 |
| 10/17/2016 10:15:00 PM | 432900.000 | 120.643 | 19.105 |

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|---|---|---|---|
| 271.761 | 40910.141 | 46100.969 | 30.173 |
| 31348.660 | 24.444 | 1.021 | 14.766 |
| 10/17/2016 10:30:00 PM | 433800.000 | 120.720 | 19.107 |
| 271.933 | 40920.809 | 46111.355 | 30.181 |
| 31355.725 | 24.437 | 1.021 | 14.766 |
| 10/17/2016 10:45:00 PM | 434700.000 | 120.734 | 19.102 |
| 271.965 | 40926.625 | 46122.574 | 30.188 |
| 31363.354 | 24.434 | 1.021 | 14.767 |
| 10/17/2016 11:00:00 PM | 435600.000 | 120.796 | 19.104 |
| 272.106 | 40927.699 | 46121.441 | 30.188 |
| 31362.582 | 24.433 | 1.021 | 14.769 |
| 10/17/2016 11:15:00 PM | 436500.000 | 120.833 | 19.104 |
| 272.188 | 40933.441 | 46128.438 | 30.193 |
| 31367.340 | 24.430 | 1.021 | 14.773 |
| 10/17/2016 11:30:00 PM | 437400.000 | 120.842 | 19.106 |
| 272.208 | 40902.996 | 46091.367 | 30.166 |
| 31342.133 | 24.448 | 1.021 | 14.775 |
| 10/17/2016 11:45:00 PM | 438300.000 | 120.901 | 19.108 |
| 272.341 | 40909.863 | 46097.543 | 30.171 |
| 31346.330 | 24.444 | 1.021 | 14.776 |
| 10/18/2016 12:00:00 AM | 439200.000 | 120.934 | 19.104 |
| 272.415 | 40908.695 | 46100.211 | 30.172 |
| 31348.146 | 24.445 | 1.021 | 14.778 |
| 10/18/2016 12:15:00 AM | 440100.000 | 120.957 | 19.110 |
| 272.468 | 40933.621 | 46122.652 | 30.189 |
| 31363.404 | 24.430 | 1.021 | 14.780 |
| 10/18/2016 12:30:00 AM | 441000.000 | 120.952 | 19.112 |
| 272.457 | 40913.496 | 46097.215 | 30.170 |
| 31346.107 | 24.442 | 1.021 | 14.782 |
| 10/18/2016 12:45:00 AM | 441900.000 | 120.994 | 19.112 |
| 272.550 | 40916.023 | 46100.586 | 30.173 |
| 31348.400 | 24.440 | 1.021 | 14.780 |
| 10/18/2016 1:00:00 AM | 442800.000 | 120.972 | 19.112 |
| 272.502 | 40927.582 | 46113.949 | 30.183 |
| 31357.488 | 24.433 | 1.021 | 14.784 |
| 10/18/2016 1:15:00 AM | 443700.000 | 120.952 | 19.113 |
| 272.457 | 40938.000 | 46123.871 | 30.190 |
| 31364.232 | 24.427 | 1.021 | 14.780 |
| 10/18/2016 1:30:00 AM | 444600.000 | 120.966 | 19.108 |
| 272.488 | 40904.164 | 46090.766 | 30.166 |
| 31341.723 | 24.447 | 1.021 | 14.786 |
| 10/18/2016 1:45:00 AM | 445500.000 | 120.958 | 19.112 |
| 272.469 | 40928.465 | 46114.789 | 30.183 |
| 31358.059 | 24.433 | 1.021 | 14.785 |
| 10/18/2016 2:00:00 AM | 446400.000 | 120.951 | 19.106 |
| 272.453 | 40899.953 | 46088.012 | 30.163 |
| 31339.850 | 24.450 | 1.021 | 14.784 |
| 10/18/2016 2:15:00 AM | 447300.000 | 120.902 | 19.109 |
| 272.344 | 40909.453 | 46096.391 | 30.170 |
| 31345.549 | 24.444 | 1.021 | 14.784 |
| 10/18/2016 2:30:00 AM | 448200.000 | 120.899 | 19.111 |
| 272.336 | 40918.035 | 46103.883 | 30.175 |
| 31350.641 | 24.439 | 1.021 | 14.787 |
| 10/18/2016 2:45:00 AM | 449100.000 | 120.856 | 19.110 |

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|---|---|---|---|
| 272.240 | 40928.996 | 46117.195 | 30.185 |
| 31359.695 | 24.433 | 1.021 | 14.788 |
| 10/18/2016 3:00:00 AM | 450000.000 | 120.850 | 19.114 |
| 272.226 | 40911.953 | 46093.578 | 30.168 |
| 31343.633 | 24.443 | 1.021 | 14.787 |
| 10/18/2016 3:15:00 AM | 450900.000 | 120.809 | 19.108 |
| 272.134 | 40915.406 | 46103.523 | 30.175 |
| 31350.396 | 24.441 | 1.021 | 14.781 |
| 10/18/2016 3:30:00 AM | 451800.000 | 120.781 | 19.107 |
| 272.072 | 40925.746 | 46116.652 | 30.184 |
| 31359.326 | 24.434 | 1.021 | 14.784 |
| 10/18/2016 3:45:00 AM | 452700.000 | 120.730 | 19.109 |
| 271.956 | 40919.156 | 46107.145 | 30.178 |
| 31352.861 | 24.438 | 1.021 | 14.785 |
| 10/18/2016 4:00:00 AM | 453600.000 | 120.677 | 19.105 |
| 271.837 | 40945.137 | 46139.879 | 30.201 |
| 31375.119 | 24.423 | 1.021 | 14.781 |
| 10/18/2016 4:15:00 AM | 454500.000 | 120.703 | 19.100 |
| 271.896 | 40932.852 | 46131.758 | 30.195 |
| 31369.596 | 24.430 | 1.021 | 14.785 |
| 10/18/2016 4:30:00 AM | 455400.000 | 120.629 | 19.104 |
| 271.729 | 40888.434 | 46077.801 | 30.156 |
| 31332.906 | 24.457 | 1.021 | 14.785 |
| 10/18/2016 4:45:00 AM | 456300.000 | 120.619 | 19.101 |
| 271.705 | 40897.723 | 46091.297 | 30.166 |
| 31342.082 | 24.451 | 1.021 | 14.786 |
| 10/18/2016 5:00:00 AM | 457200.000 | 120.564 | 19.101 |
| 271.582 | 40896.273 | 46089.324 | 30.164 |
| 31340.742 | 24.452 | 1.021 | 14.786 |
| 10/18/2016 5:15:00 AM | 458100.000 | 120.578 | 19.104 |
| 271.614 | 40896.988 | 46086.926 | 30.163 |
| 31339.111 | 24.452 | 1.021 | 14.790 |
| 10/18/2016 5:30:00 AM | 459000.000 | 120.583 | 19.106 |
| 271.626 | 40896.430 | 46084.648 | 30.161 |
| 31337.563 | 24.452 | 1.021 | 14.789 |
| 10/18/2016 5:45:00 AM | 459900.000 | 120.552 | 19.102 |
| 271.556 | 40898.570 | 46091.039 | 30.165 |
| 31341.908 | 24.451 | 1.021 | 14.790 |
| 10/18/2016 6:00:00 AM | 460800.000 | 120.537 | 19.106 |
| 271.521 | 40905.195 | 46094.363 | 30.168 |
| 31344.170 | 24.447 | 1.021 | 14.794 |
| 10/18/2016 6:15:00 AM | 461700.000 | 120.531 | 19.101 |
| 271.507 | 40881.270 | 46072.148 | 30.152 |
| 31329.061 | 24.461 | 1.021 | 14.795 |
| 10/18/2016 6:30:00 AM | 462600.000 | 120.521 | 19.105 |
| 271.486 | 40951.496 | 46147.910 | 30.207 |
| 31380.580 | 24.419 | 1.021 | 14.799 |
| 10/18/2016 6:45:00 AM | 463500.000 | 120.530 | 19.100 |
| 271.505 | 40902.066 | 46096.371 | 30.169 |
| 31345.535 | 24.449 | 1.021 | 14.800 |
| 10/18/2016 7:00:00 AM | 464400.000 | 120.536 | 19.101 |
| 271.519 | 40919.340 | 46114.879 | 30.183 |
| 31358.117 | 24.438 | 1.021 | 14.802 |
| 10/18/2016 7:15:00 AM | 465300.000 | 120.549 | 19.106 |

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| 271.548 | 40929.043 | 46121.578 | 30.188 |
| 31362.674 | 24.433 | 1.021 | 14.804 |
| 10/18/2016 7:30:00 AM | 466200.000 | 120.597 | 19.106 |
| 271.657 | 40891.617 | 46079.063 | 30.157 |
| 31333.766 | 24.455 | 1.021 | 14.801 |
| 10/18/2016 7:45:00 AM | 467100.000 | 120.596 | 19.105 |
| 271.655 | 40920.023 | 46112.020 | 30.181 |
| 31356.174 | 24.438 | 1.021 | 14.806 |
| 10/18/2016 8:00:00 AM | 468000.000 | 120.614 | 19.113 |
| 271.696 | 40893.910 | 46074.980 | 30.154 |
| 31330.988 | 24.454 | 1.021 | 14.806 |
| 10/18/2016 8:15:00 AM | 468900.000 | 120.667 | 19.105 |
| 271.813 | 40940.531 | 46135.305 | 30.198 |
| 31372.010 | 24.426 | 1.021 | 14.815 |
| 10/18/2016 8:30:00 AM | 469800.000 | 120.709 | 19.106 |
| 271.910 | 40926.281 | 46118.285 | 30.186 |
| 31360.436 | 24.434 | 1.021 | 14.820 |
| 10/18/2016 8:45:00 AM | 470700.000 | 120.795 | 19.099 |
| 272.103 | 40894.727 | 46089.574 | 30.164 |
| 31340.912 | 24.453 | 1.021 | 14.808 |
| 10/18/2016 9:00:00 AM | 471600.000 | 120.835 | 19.108 |
| 272.192 | 40897.570 | 46083.336 | 30.160 |
| 31336.670 | 24.451 | 1.021 | 14.809 |
| 10/18/2016 9:15:00 AM | 472500.000 | 120.817 | 19.102 |
| 272.153 | 40895.492 | 46087.750 | 30.163 |
| 31339.672 | 24.453 | 1.021 | 14.822 |
| 10/18/2016 9:30:00 AM | 473400.000 | 120.904 | 19.106 |
| 272.348 | 40914.773 | 46104.711 | 30.176 |
| 31351.203 | 24.441 | 1.021 | 14.820 |
| 10/18/2016 9:45:00 AM | 474300.000 | 120.961 | 19.111 |
| 272.477 | 40927.004 | 46113.738 | 30.182 |
| 31357.344 | 24.434 | 1.021 | 14.822 |
| 10/18/2016 10:00:00 AM | 475200.000 | 120.952 | 19.111 |
| 272.455 | 40912.336 | 46097.301 | 30.170 |
| 31346.164 | 24.443 | 1.021 | 14.819 |
| 10/18/2016 10:15:00 AM | 476100.000 | 121.048 | 19.111 |
| 272.671 | 40912.422 | 46097.906 | 30.171 |
| 31346.578 | 24.442 | 1.021 | 14.823 |
| 10/18/2016 10:30:00 AM | 477000.000 | 121.059 | 19.106 |
| 272.696 | 40917.855 | 46108.184 | 30.178 |
| 31353.564 | 24.439 | 1.021 | 14.821 |
| 10/18/2016 10:45:00 AM | 477900.000 | 121.111 | 19.107 |
| 272.814 | 40908.344 | 46096.777 | 30.170 |
| 31345.811 | 24.445 | 1.021 | 14.822 |
| 10/18/2016 11:00:00 AM | 478800.000 | 121.144 | 19.116 |
| 272.889 | 40945.293 | 46129.316 | 30.194 |
| 31367.938 | 24.423 | 1.021 | 14.826 |
| 10/18/2016 11:15:00 AM | 479700.000 | 121.218 | 19.112 |
| 273.055 | 40923.445 | 46109.289 | 30.179 |
| 31354.318 | 24.436 | 1.021 | 14.818 |
| 10/18/2016 11:30:00 AM | 480600.000 | 121.254 | 19.116 |
| 273.136 | 40899.805 | 46078.508 | 30.157 |
| 31333.385 | 24.450 | 1.021 | 14.817 |
| 10/18/2016 11:45:00 AM | 481500.000 | 121.282 | 19.110 |

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|---|---|---|---|
| 273.199 | 40934.121 | 46122.457 | 30.189 |
| 31363.273 | 24.429 | 1.021 | 14.817 |
| 10/18/2016 12:00:00 PM | 482400.000 | 121.292 | 19.110 |
| 273.223 | 40961.211 | 46153.492 | 30.211 |
| 31384.377 | 24.413 | 1.021 | 14.818 |
| 10/18/2016 12:15:00 PM | 483300.000 | 121.305 | 19.110 |
| 273.252 | 40914.824 | 46101.133 | 30.173 |
| 31348.771 | 24.441 | 1.021 | 14.816 |
| 10/18/2016 12:30:00 PM | 484200.000 | 121.319 | 19.108 |
| 273.282 | 40932.758 | 46122.984 | 30.189 |
| 31363.631 | 24.430 | 1.021 | 14.821 |
| 10/18/2016 12:45:00 PM | 485100.000 | 121.282 | 19.117 |
| 273.199 | 40924.449 | 46105.492 | 30.177 |
| 31351.736 | 24.435 | 1.021 | 14.813 |
| 10/18/2016 1:00:00 PM | 486000.000 | 121.300 | 19.117 |
| 273.240 | 40921.293 | 46101.488 | 30.174 |
| 31349.012 | 24.437 | 1.021 | 14.802 |
| 10/18/2016 1:15:00 PM | 486900.000 | 121.279 | 19.114 |
| 273.194 | 40893.707 | 46073.625 | 30.153 |
| 31330.066 | 24.454 | 1.021 | 14.804 |
| 10/18/2016 1:30:00 PM | 487800.000 | 121.242 | 19.111 |
| 273.108 | 40931.625 | 46119.461 | 30.187 |
| 31361.236 | 24.431 | 1.021 | 14.804 |
| 10/18/2016 1:45:00 PM | 488700.000 | 121.197 | 19.113 |
| 273.007 | 40889.078 | 46069.180 | 30.150 |
| 31327.043 | 24.456 | 1.021 | 14.799 |
| 10/18/2016 2:00:00 PM | 489600.000 | 121.169 | 19.112 |
| 272.946 | 40944.512 | 46133.027 | 30.197 |
| 31370.461 | 24.423 | 1.021 | 14.798 |
| 10/18/2016 2:15:00 PM | 490500.000 | 121.128 | 19.114 |
| 272.853 | 40937.914 | 46122.824 | 30.189 |
| 31363.523 | 24.427 | 1.021 | 14.789 |
| 10/18/2016 2:30:00 PM | 491400.000 | 121.135 | 19.113 |
| 272.867 | 40911.301 | 46093.789 | 30.168 |
| 31343.779 | 24.443 | 1.021 | 14.796 |
| 10/18/2016 2:45:00 PM | 492300.000 | 121.046 | 19.113 |
| 272.667 | 40879.914 | 46059.297 | 30.143 |
| 31320.324 | 24.462 | 1.021 | 14.786 |
| 10/18/2016 3:00:00 PM | 493200.000 | 121.004 | 19.102 |
| 272.574 | 40886.598 | 46077.547 | 30.156 |
| 31332.732 | 24.458 | 1.021 | 14.782 |
| 10/18/2016 3:15:00 PM | 494100.000 | 120.928 | 19.109 |
| 272.402 | 40912.809 | 46100.254 | 30.173 |
| 31348.176 | 24.442 | 1.021 | 14.781 |
| 10/18/2016 3:30:00 PM | 495000.000 | 120.879 | 19.108 |
| 272.291 | 40909.586 | 46097.230 | 30.170 |
| 31346.119 | 24.444 | 1.021 | 14.783 |
| 10/18/2016 3:45:00 PM | 495900.000 | 120.805 | 19.120 |
| 272.126 | 40921.504 | 46098.617 | 30.172 |
| 31347.061 | 24.437 | 1.021 | 14.780 |
| 10/18/2016 4:00:00 PM | 496800.000 | 120.750 | 19.112 |
| 272.001 | 40901.316 | 46083.750 | 30.161 |
| 31336.953 | 24.449 | 1.021 | 14.776 |
| 10/18/2016 4:15:00 PM | 497700.000 | 120.683 | 19.115 |

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|---|---|---|---|
| 271.850 | 40909.199 | 46089.871 | 30.165 |
| 31341.113 | 24.444 | 1.021 | 14.775 |
| 10/18/2016 4:30:00 PM | 498600.000 | 120.631 | 19.111 |
| 271.733 | 40885.414 | 46067.043 | 30.148 |
| 31325.592 | 24.459 | 1.021 | 14.772 |
| 10/18/2016 4:45:00 PM | 499500.000 | 120.543 | 19.110 |
| 271.534 | 40913.871 | 46100.398 | 30.173 |
| 31348.271 | 24.442 | 1.021 | 14.775 |
| 10/18/2016 5:00:00 PM | 500400.000 | 120.511 | 19.108 |
| 271.464 | 40947.211 | 46139.359 | 30.201 |
| 31374.768 | 24.422 | 1.021 | 14.772 |
| 10/18/2016 5:15:00 PM | 501300.000 | 120.477 | 19.112 |
| 271.387 | 40944.516 | 46132.512 | 30.196 |
| 31370.109 | 24.423 | 1.021 | 14.775 |
| 10/18/2016 5:30:00 PM | 502200.000 | 120.399 | 19.103 |
| 271.210 | 40911.000 | 46103.586 | 30.175 |
| 31350.441 | 24.443 | 1.021 | 14.778 |
| 10/18/2016 5:45:00 PM | 503100.000 | 120.339 | 19.099 |
| 271.075 | 40891.484 | 46085.574 | 30.161 |
| 31338.191 | 24.455 | 1.021 | 14.784 |
| 10/18/2016 6:00:00 PM | 504000.000 | 120.290 | 19.094 |
| 270.966 | 40904.832 | 46106.160 | 30.176 |
| 31352.189 | 24.447 | 1.021 | 14.783 |
| 10/18/2016 6:15:00 PM | 504900.000 | 120.264 | 19.094 |
| 270.906 | 40905.035 | 46106.465 | 30.176 |
| 31352.398 | 24.447 | 1.021 | 14.778 |
| 10/18/2016 6:30:00 PM | 505800.000 | 120.259 | 19.101 |
| 270.896 | 40939.402 | 46137.402 | 30.199 |
| 31373.436 | 24.426 | 1.021 | 14.777 |
| 10/18/2016 6:45:00 PM | 506700.000 | 120.223 | 19.103 |
| 270.814 | 40948.672 | 46146.387 | 30.206 |
| 31379.545 | 24.421 | 1.021 | 14.790 |
| 10/18/2016 7:00:00 PM | 507600.000 | 120.211 | 19.106 |
| 270.787 | 40894.879 | 46083.078 | 30.160 |
| 31336.496 | 24.453 | 1.021 | 14.782 |
| 10/18/2016 7:15:00 PM | 508500.000 | 120.187 | 19.107 |
| 270.732 | 40945.508 | 46138.832 | 30.201 |
| 31374.406 | 24.423 | 1.021 | 14.778 |
| 10/18/2016 7:30:00 PM | 509400.000 | 120.179 | 19.101 |
| 270.715 | 40893.602 | 46086.137 | 30.162 |
| 31338.576 | 24.454 | 1.021 | 14.793 |
| 10/18/2016 7:45:00 PM | 510300.000 | 120.171 | 19.104 |
| 270.698 | 40916.785 | 46109.234 | 30.179 |
| 31354.281 | 24.440 | 1.021 | 14.787 |
| 10/18/2016 8:00:00 PM | 511200.000 | 120.192 | 19.102 |
| 270.743 | 40920.109 | 46114.625 | 30.183 |
| 31357.947 | 24.438 | 1.021 | 14.796 |
| 10/18/2016 8:15:00 PM | 512100.000 | 120.201 | 19.097 |
| 270.765 | 40900.016 | 46097.438 | 30.170 |
| 31346.260 | 24.450 | 1.021 | 14.795 |
| 10/18/2016 8:30:00 PM | 513000.000 | 120.213 | 19.098 |
| 270.792 | 40900.637 | 46097.000 | 30.170 |
| 31345.963 | 24.449 | 1.021 | 14.799 |
| 10/18/2016 8:45:00 PM | 513900.000 | 120.240 | 19.099 |

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| 270.853 | 40935.684 | 46135.820 | 30.198 |
| 31372.357 | 24.429 | 1.021 | 14.797 |
| 10/18/2016 9:00:00 PM | 514800.000 | 120.244 | 19.097 |
| 270.860 | 40902.250 | 46100.215 | 30.172 |
| 31348.148 | 24.449 | 1.021 | 14.795 |
| 10/18/2016 9:15:00 PM | 515700.000 | 120.269 | 19.100 |
| 270.918 | 40908.250 | 46103.605 | 30.175 |
| 31350.453 | 24.445 | 1.021 | 14.801 |
| 10/18/2016 9:30:00 PM | 516600.000 | 120.334 | 19.102 |
| 271.064 | 40903.129 | 46095.750 | 30.169 |
| 31345.109 | 24.448 | 1.021 | 14.799 |
| 10/18/2016 9:45:00 PM | 517500.000 | 120.371 | 19.100 |
| 271.147 | 40910.777 | 46106.527 | 30.177 |
| 31352.441 | 24.443 | 1.021 | 14.807 |
| 10/18/2016 10:00:00 PM | 518400.000 | 120.416 | 19.109 |
| 271.248 | 40908.086 | 46095.020 | 30.169 |
| 31344.613 | 24.445 | 1.021 | 14.808 |
| 10/18/2016 10:15:00 PM | 519300.000 | 120.465 | 19.113 |
| 271.360 | 40925.043 | 46109.539 | 30.180 |
| 31354.488 | 24.435 | 1.021 | 14.806 |
| 10/18/2016 10:30:00 PM | 520200.000 | 120.516 | 19.107 |
| 271.473 | 40885.020 | 46070.320 | 30.151 |
| 31327.820 | 24.459 | 1.021 | 14.807 |
| 10/18/2016 10:45:00 PM | 521100.000 | 120.546 | 19.106 |
| 271.541 | 40943.086 | 46137.320 | 30.199 |
| 31373.381 | 24.424 | 1.021 | 14.805 |
| 10/18/2016 11:00:00 PM | 522000.000 | 120.606 | 19.106 |
| 271.677 | 40930.848 | 46122.750 | 30.189 |
| 31363.473 | 24.431 | 1.021 | 14.805 |
| 10/18/2016 11:15:00 PM | 522900.000 | 120.661 | 19.108 |
| 271.800 | 40903.426 | 46090.195 | 30.165 |
| 31341.336 | 24.448 | 1.021 | 14.807 |
| 10/18/2016 11:30:00 PM | 523800.000 | 120.705 | 19.103 |
| 271.899 | 40863.109 | 46050.305 | 30.136 |
| 31314.209 | 24.472 | 1.021 | 14.807 |
| 10/18/2016 11:45:00 PM | 524700.000 | 120.757 | 19.108 |
| 272.017 | 40914.125 | 46101.898 | 30.174 |
| 31349.293 | 24.441 | 1.021 | 14.807 |
| 10/19/2016 12:00:00 AM | 525600.000 | 120.780 | 19.113 |
| 272.068 | 40890.672 | 46070.895 | 30.151 |
| 31328.211 | 24.455 | 1.021 | 14.806 |
| 10/19/2016 12:15:00 AM | 526500.000 | 120.839 | 19.112 |
| 272.201 | 40916.785 | 46101.094 | 30.173 |
| 31348.746 | 24.440 | 1.021 | 14.802 |
| 10/19/2016 12:30:00 AM | 527400.000 | 120.860 | 19.114 |
| 272.249 | 40920.309 | 46103.332 | 30.175 |
| 31350.268 | 24.438 | 1.021 | 14.808 |
| 10/19/2016 12:45:00 AM | 528300.000 | 120.922 | 19.110 |
| 272.388 | 40916.430 | 46102.770 | 30.174 |
| 31349.885 | 24.440 | 1.021 | 14.799 |
| 10/19/2016 1:00:00 AM | 529200.000 | 120.925 | 19.112 |
| 272.396 | 40899.285 | 46081.910 | 30.159 |
| 31335.701 | 24.450 | 1.021 | 14.808 |
| 10/19/2016 1:15:00 AM | 530100.000 | 120.931 | 19.112 |

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| 272.409 | 40920.063 | 46105.137 | 30.176 |
| 31351.496 | 24.438 | 1.021 | 14.809 |
| 10/19/2016 1:30:00 AM | 531000.000 | 120.971 | 19.114 |
| 272.499 | 40927.438 | 46111.023 | 30.181 |
| 31355.498 | 24.433 | 1.021 | 14.805 |
| 10/19/2016 1:45:00 AM | 531900.000 | 120.962 | 19.110 |
| 272.478 | 40889.934 | 46072.668 | 30.152 |
| 31329.416 | 24.456 | 1.021 | 14.809 |
| 10/19/2016 2:00:00 AM | 532800.000 | 120.983 | 19.105 |
| 272.527 | 40908.188 | 46098.500 | 30.171 |
| 31346.980 | 24.445 | 1.021 | 14.808 |
| 10/19/2016 2:15:00 AM | 533700.000 | 120.982 | 19.105 |
| 272.524 | 40910.148 | 46101.066 | 30.173 |
| 31348.727 | 24.444 | 1.021 | 14.808 |
| 10/19/2016 2:30:00 AM | 534600.000 | 120.976 | 19.111 |
| 272.509 | 40924.602 | 46111.121 | 30.181 |
| 31355.564 | 24.435 | 1.021 | 14.812 |
| 10/19/2016 2:45:00 AM | 535500.000 | 120.975 | 19.107 |
| 272.509 | 40906.543 | 46094.406 | 30.168 |
| 31344.197 | 24.446 | 1.021 | 14.816 |
| 10/19/2016 3:00:00 AM | 536400.000 | 120.940 | 19.112 |
| 272.429 | 40904.980 | 46088.145 | 30.164 |
| 31339.941 | 24.447 | 1.021 | 14.813 |
| 10/19/2016 3:15:00 AM | 537300.000 | 120.945 | 19.107 |
| 272.441 | 40922.223 | 46112.766 | 30.182 |
| 31356.684 | 24.437 | 1.021 | 14.810 |
| 10/19/2016 3:30:00 AM | 538200.000 | 120.926 | 19.106 |
| 272.398 | 40882.609 | 46068.734 | 30.149 |
| 31326.742 | 24.460 | 1.021 | 14.806 |
| 10/19/2016 3:45:00 AM | 539100.000 | 120.887 | 19.108 |
| 272.309 | 40896.367 | 46082.070 | 30.159 |
| 31335.811 | 24.452 | 1.021 | 14.811 |
| 10/19/2016 4:00:00 AM | 540000.000 | 120.873 | 19.104 |
| 272.278 | 40913.734 | 46105.621 | 30.176 |
| 31351.824 | 24.442 | 1.021 | 14.809 |
| 10/19/2016 4:15:00 AM | 540900.000 | 120.875 | 19.113 |
| 272.282 | 40899.848 | 46081.582 | 30.159 |
| 31335.479 | 24.450 | 1.021 | 14.803 |
| 10/19/2016 4:30:00 AM | 541800.000 | 120.825 | 19.105 |
| 272.170 | 40891.230 | 46080.000 | 30.158 |
| 31334.402 | 24.455 | 1.021 | 14.799 |
| 10/19/2016 4:45:00 AM | 542700.000 | 120.780 | 19.107 |
| 272.068 | 40933.121 | 46124.699 | 30.190 |
| 31364.795 | 24.430 | 1.021 | 14.807 |
| 10/19/2016 5:00:00 AM | 543600.000 | 120.774 | 19.107 |
| 272.055 | 40923.840 | 46114.586 | 30.183 |
| 31357.920 | 24.436 | 1.021 | 14.800 |
| 10/19/2016 5:15:00 AM | 544500.000 | 120.744 | 19.109 |
| 271.988 | 40913.156 | 46100.648 | 30.173 |
| 31348.441 | 24.442 | 1.021 | 14.802 |
| 10/19/2016 5:30:00 AM | 545400.000 | 120.718 | 19.106 |
| 271.929 | 40901.176 | 46090.176 | 30.165 |
| 31341.322 | 24.449 | 1.021 | 14.804 |
| 10/19/2016 5:45:00 AM | 546300.000 | 120.672 | 19.113 |

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| 271.826 | 40913.359 | 46096.375 | 30.170 |
| 31345.537 | 24.442 | 1.021 | 14.807 |
| 10/19/2016 6:00:00 AM | 547200.000 | 120.669 | 19.108 |
| 271.818 | 40907.215 | 46094.559 | 30.168 |
| 31344.303 | 24.446 | 1.021 | 14.810 |
| 10/19/2016 6:15:00 AM | 548100.000 | 120.662 | 19.100 |
| 271.803 | 40905.406 | 46100.219 | 30.172 |
| 31348.150 | 24.447 | 1.021 | 14.811 |
| 10/19/2016 6:30:00 AM | 549000.000 | 120.646 | 19.102 |
| 271.767 | 40858.613 | 46045.672 | 30.132 |
| 31311.059 | 24.475 | 1.021 | 14.809 |
| 10/19/2016 6:45:00 AM | 549900.000 | 120.647 | 19.098 |
| 271.770 | 40876.172 | 46069.180 | 30.149 |
| 31327.043 | 24.464 | 1.021 | 14.804 |
| 10/19/2016 7:00:00 AM | 550800.000 | 120.610 | 19.099 |
| 271.685 | 40912.086 | 46109.223 | 30.179 |
| 31354.273 | 24.443 | 1.021 | 14.802 |
| 10/19/2016 7:15:00 AM | 551700.000 | 120.612 | 19.103 |
| 271.691 | 40944.984 | 46142.574 | 30.203 |
| 31376.953 | 24.423 | 1.021 | 14.813 |
| 10/19/2016 7:30:00 AM | 552600.000 | 120.660 | 19.107 |
| 271.797 | 40915.215 | 46104.695 | 30.176 |
| 31351.195 | 24.441 | 1.021 | 14.810 |
| 10/19/2016 7:45:00 AM | 553500.000 | 120.631 | 19.098 |
| 271.733 | 40881.164 | 46075.586 | 30.154 |
| 31331.400 | 24.461 | 1.021 | 14.809 |
| 10/19/2016 8:00:00 AM | 554400.000 | 120.673 | 19.099 |
| 271.829 | 40919.480 | 46117.816 | 30.185 |
| 31360.117 | 24.438 | 1.021 | 14.812 |
| 10/19/2016 8:15:00 AM | 555300.000 | 120.686 | 19.102 |
| 271.857 | 40923.352 | 46118.461 | 30.186 |
| 31360.555 | 24.436 | 1.021 | 14.815 |
| 10/19/2016 8:30:00 AM | 556200.000 | 120.725 | 19.105 |
| 271.945 | 40900.992 | 46090.137 | 30.165 |
| 31341.295 | 24.449 | 1.021 | 14.816 |
| 10/19/2016 8:45:00 AM | 557100.000 | 120.713 | 19.106 |
| 271.918 | 40915.516 | 46105.902 | 30.177 |
| 31352.014 | 24.441 | 1.021 | 14.816 |
| 10/19/2016 9:00:00 AM | 558000.000 | 120.741 | 19.106 |
| 271.980 | 40920.133 | 46111.359 | 30.180 |
| 31355.727 | 24.438 | 1.021 | 14.824 |
| 10/19/2016 9:15:00 AM | 558900.000 | 120.803 | 19.115 |
| 272.122 | 40913.410 | 46094.266 | 30.168 |
| 31344.104 | 24.442 | 1.021 | 14.821 |
| 10/19/2016 9:30:00 AM | 559800.000 | 120.833 | 19.111 |
| 272.189 | 40931.863 | 46118.957 | 30.186 |
| 31360.891 | 24.431 | 1.021 | 14.820 |
| 10/19/2016 9:45:00 AM | 560700.000 | 120.888 | 19.109 |
| 272.312 | 40892.035 | 46076.586 | 30.155 |
| 31332.078 | 24.455 | 1.021 | 14.825 |
| 10/19/2016 10:00:00 AM | 561600.000 | 120.939 | 19.106 |
| 272.427 | 40882.563 | 46068.598 | 30.149 |
| 31326.648 | 24.460 | 1.021 | 14.821 |
| 10/19/2016 10:15:00 AM | 562500.000 | 120.982 | 19.108 |

| | | | |
|---|---|---|---|
| 272.524 | 40901.484 | 46088.188 | 30.164 |
| 31339.969 | 24.449 | 1.021 | 14.815 |
| 10/19/2016 10:30:00 AM | 563400.000 | 120.991 | 19.106 |
| 272.544 | 40913.156 | 46103.156 | 30.175 |
| 31350.146 | 24.442 | 1.021 | 14.820 |
| 10/19/2016 10:45:00 AM | 564300.000 | 121.042 | 19.109 |
| 272.659 | 40961.789 | 46155.184 | 30.213 |
| 31385.527 | 24.413 | 1.021 | 14.816 |
| 10/19/2016 11:00:00 AM | 565200.000 | 121.076 | 19.109 |
| 272.736 | 40907.445 | 46093.691 | 30.168 |
| 31343.711 | 24.445 | 1.021 | 14.816 |
| 10/19/2016 11:15:00 AM | 566100.000 | 121.121 | 19.109 |
| 272.837 | 40913.973 | 46101.219 | 30.173 |
| 31348.830 | 24.442 | 1.021 | 14.815 |
| 10/19/2016 11:30:00 AM | 567000.000 | 121.190 | 19.113 |
| 272.992 | 40931.957 | 46117.234 | 30.185 |
| 31359.721 | 24.431 | 1.021 | 14.813 |
| 10/19/2016 11:45:00 AM | 567900.000 | 121.212 | 19.113 |
| 273.041 | 40937.688 | 46124.043 | 30.190 |
| 31364.352 | 24.427 | 1.021 | 14.812 |
| 10/19/2016 12:00:00 PM | 568800.000 | 121.243 | 19.115 |
| 273.112 | 40887.820 | 46065.355 | 30.147 |
| 31324.443 | 24.457 | 1.021 | 14.806 |
| 10/19/2016 12:15:00 PM | 569700.000 | 121.277 | 19.115 |
| 273.187 | 40906.910 | 46086.863 | 30.163 |
| 31339.068 | 24.446 | 1.021 | 14.800 |
| 10/19/2016 12:30:00 PM | 570600.000 | 121.293 | 19.111 |
| 273.225 | 40918.977 | 46105.035 | 30.176 |
| 31351.426 | 24.439 | 1.021 | 14.800 |
| 10/19/2016 12:45:00 PM | 571500.000 | 121.308 | 19.109 |
| 273.258 | 40889.152 | 46073.336 | 30.153 |
| 31329.871 | 24.456 | 1.021 | 14.801 |
| 10/19/2016 1:00:00 PM | 572400.000 | 121.331 | 19.114 |
| 273.309 | 40914.441 | 46096.723 | 30.170 |
| 31345.773 | 24.441 | 1.021 | 14.794 |
| 10/19/2016 1:15:00 PM | 573300.000 | 121.312 | 19.110 |
| 273.268 | 40905.566 | 46090.621 | 30.166 |
| 31341.625 | 24.447 | 1.021 | 14.796 |
| 10/19/2016 1:30:00 PM | 574200.000 | 121.334 | 19.110 |
| 273.316 | 40918.918 | 46106.012 | 30.177 |
| 31352.090 | 24.439 | 1.021 | 14.792 |
| 10/19/2016 1:45:00 PM | 575100.000 | 121.334 | 19.107 |
| 273.317 | 40875.258 | 46059.844 | 30.143 |
| 31320.693 | 24.465 | 1.021 | 14.796 |
| 10/19/2016 2:00:00 PM | 576000.000 | 121.288 | 19.106 |
| 273.212 | 40898.930 | 46086.785 | 30.163 |
| 31339.016 | 24.451 | 1.021 | 14.793 |
| 10/19/2016 2:15:00 PM | 576900.000 | 121.283 | 19.110 |
| 273.202 | 40955.340 | 46146.523 | 30.206 |
| 31379.639 | 24.417 | 1.021 | 14.794 |
| 10/19/2016 2:30:00 PM | 577800.000 | 121.259 | 19.116 |
| 273.148 | 40906.648 | 46086.219 | 30.163 |
| 31338.631 | 24.446 | 1.021 | 14.786 |
| 10/19/2016 2:45:00 PM | 578700.000 | 121.244 | 19.110 |

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|---|---|---|---|
| 273.114 | 40919.445 | 46106.434 | 30.177 |
| 31352.377 | 24.438 | 1.021 | 14.782 |
| 10/19/2016 3:00:00 PM | 579600.000 | 121.168 | 19.107 |
| 272.943 | 40912.297 | 46100.793 | 30.173 |
| 31348.541 | 24.443 | 1.021 | 14.786 |
| 10/19/2016 3:15:00 PM | 580500.000 | 121.131 | 19.104 |
| 272.859 | 40922.105 | 46115.578 | 30.183 |
| 31358.596 | 24.437 | 1.021 | 14.787 |
| 10/19/2016 3:30:00 PM | 581400.000 | 121.091 | 19.109 |
| 272.770 | 40882.277 | 46065.680 | 30.147 |
| 31324.664 | 24.460 | 1.021 | 14.783 |
| 10/19/2016 3:45:00 PM | 582300.000 | 121.050 | 19.107 |
| 272.677 | 40876.742 | 46061.344 | 30.144 |
| 31321.717 | 24.464 | 1.021 | 14.781 |
| 10/19/2016 4:00:00 PM | 583200.000 | 121.005 | 19.104 |
| 272.576 | 40931.605 | 46126.109 | 30.191 |
| 31365.756 | 24.431 | 1.021 | 14.778 |
| 10/19/2016 4:15:00 PM | 584100.000 | 120.960 | 19.108 |
| 272.475 | 40891.016 | 46075.859 | 30.155 |
| 31331.584 | 24.455 | 1.021 | 14.782 |
| 10/19/2016 4:30:00 PM | 585000.000 | 120.872 | 19.110 |
| 272.275 | 40916.730 | 46102.934 | 30.175 |
| 31349.998 | 24.440 | 1.021 | 14.783 |
| 10/19/2016 4:45:00 PM | 585900.000 | 120.811 | 19.100 |
| 272.138 | 40906.855 | 46101.945 | 30.173 |
| 31349.324 | 24.446 | 1.021 | 14.782 |
| 10/19/2016 5:00:00 PM | 586800.000 | 120.779 | 19.106 |
| 272.066 | 40917.441 | 46108.324 | 30.178 |
| 31353.662 | 24.439 | 1.021 | 14.780 |
| 10/19/2016 5:15:00 PM | 587700.000 | 120.720 | 19.109 |
| 271.934 | 40923.285 | 46111.715 | 30.181 |
| 31355.969 | 24.436 | 1.021 | 14.778 |
| 10/19/2016 5:30:00 PM | 588600.000 | 120.650 | 19.109 |
| 271.776 | 40913.434 | 46100.355 | 30.173 |
| 31348.244 | 24.442 | 1.021 | 14.777 |
| 10/19/2016 5:45:00 PM | 589500.000 | 120.594 | 19.107 |
| 271.650 | 40912.391 | 46101.254 | 30.173 |
| 31348.854 | 24.442 | 1.021 | 14.778 |
| 10/19/2016 6:00:00 PM | 590400.000 | 120.534 | 19.107 |
| 271.516 | 40910.664 | 46099.566 | 30.172 |
| 31347.705 | 24.444 | 1.021 | 14.779 |
| 10/19/2016 6:15:00 PM | 591300.000 | 120.459 | 19.100 |
| 271.346 | 40899.621 | 46093.699 | 30.167 |
| 31343.715 | 24.450 | 1.021 | 14.778 |
| 10/19/2016 6:30:00 PM | 592200.000 | 120.451 | 19.104 |
| 271.327 | 40881.609 | 46070.027 | 30.150 |
| 31327.621 | 24.461 | 1.021 | 14.774 |
| 10/19/2016 6:45:00 PM | 593100.000 | 120.384 | 19.105 |
| 271.177 | 40891.277 | 46079.711 | 30.157 |
| 31334.203 | 24.455 | 1.021 | 14.779 |
| 10/19/2016 7:00:00 PM | 594000.000 | 120.363 | 19.113 |
| 271.129 | 40909.371 | 46091.961 | 30.167 |
| 31342.535 | 24.444 | 1.021 | 14.776 |
| 10/19/2016 7:15:00 PM | 594900.000 | 120.324 | 19.109 |

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|---|---|---|---|
| 271.042 | 40911.266 | 46098.086 | 30.171 |
| 31346.701 | 24.443 | 1.021 | 14.775 |
| 10/19/2016 7:30:00 PM | 595800.000 | 120.294 | 19.097 |
| 270.975 | 40896.488 | 46093.641 | 30.167 |
| 31343.678 | 24.452 | 1.021 | 14.782 |
| 10/19/2016 7:45:00 PM | 596700.000 | 120.244 | 19.098 |
| 270.861 | 40898.035 | 46093.730 | 30.167 |
| 31343.738 | 24.451 | 1.021 | 14.782 |
| 10/19/2016 8:00:00 PM | 597600.000 | 120.268 | 19.098 |
| 270.915 | 40902.863 | 46099.512 | 30.171 |
| 31347.670 | 24.448 | 1.021 | 14.783 |
| 10/19/2016 8:15:00 PM | 598500.000 | 120.235 | 19.100 |
| 270.840 | 40892.402 | 46086.086 | 30.162 |
| 31338.541 | 24.454 | 1.021 | 14.787 |
| 10/19/2016 8:30:00 PM | 599400.000 | 120.231 | 19.106 |
| 270.832 | 40906.219 | 46095.160 | 30.169 |
| 31344.711 | 24.446 | 1.021 | 14.785 |
| 10/19/2016 8:45:00 PM | 600300.000 | 120.238 | 19.104 |
| 270.848 | 40866.738 | 46052.484 | 30.137 |
| 31315.691 | 24.470 | 1.021 | 14.781 |
| 10/19/2016 9:00:00 PM | 601200.000 | 120.233 | 19.107 |
| 270.836 | 40901.023 | 46088.961 | 30.164 |
| 31340.496 | 24.449 | 1.021 | 14.786 |
| 10/19/2016 9:15:00 PM | 602100.000 | 120.250 | 19.108 |
| 270.875 | 40906.359 | 46094.020 | 30.168 |
| 31343.936 | 24.446 | 1.021 | 14.787 |
| 10/19/2016 9:30:00 PM | 603000.000 | 120.258 | 19.108 |
| 270.893 | 40901.168 | 46088.086 | 30.164 |
| 31339.898 | 24.449 | 1.021 | 14.792 |
| 10/19/2016 9:45:00 PM | 603900.000 | 120.284 | 19.104 |
| 270.952 | 40904.668 | 46095.488 | 30.169 |
| 31344.932 | 24.447 | 1.021 | 14.792 |
| 10/19/2016 10:00:00 PM | 604800.000 | 120.281 | 19.102 |
| 270.946 | 40880.867 | 46070.750 | 30.151 |
| 31328.111 | 24.461 | 1.021 | 14.790 |
| 10/19/2016 10:15:00 PM | 605700.000 | 120.342 | 19.105 |
| 271.081 | 40932.121 | 46125.129 | 30.191 |
| 31365.090 | 24.431 | 1.021 | 14.794 |
| 10/19/2016 10:30:00 PM | 606600.000 | 120.369 | 19.104 |
| 271.143 | 40903.535 | 46094.820 | 30.168 |
| 31344.480 | 24.448 | 1.021 | 14.790 |
| 10/19/2016 10:45:00 PM | 607500.000 | 120.384 | 19.106 |
| 271.177 | 40893.934 | 46082.016 | 30.159 |
| 31335.773 | 24.454 | 1.021 | 14.786 |
| 10/19/2016 11:00:00 PM | 608400.000 | 120.451 | 19.106 |
| 271.327 | 40886.398 | 46073.094 | 30.153 |
| 31329.705 | 24.458 | 1.021 | 14.794 |
| 10/19/2016 11:15:00 PM | 609300.000 | 120.495 | 19.107 |
| 271.428 | 40905.480 | 46093.898 | 30.168 |
| 31343.854 | 24.447 | 1.021 | 14.793 |
| 10/19/2016 11:30:00 PM | 610200.000 | 120.534 | 19.113 |
| 271.516 | 40921.621 | 46106.113 | 30.177 |
| 31352.160 | 24.437 | 1.021 | 14.792 |
| 10/19/2016 11:45:00 PM | 611100.000 | 120.595 | 19.108 |

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|---|---|---|---|
| 271.653 | 40871.598 | 46053.980 | 30.139 |
| 31316.707 | 24.467 | 1.021 | 14.790 |

Report Date: 10/21/2016 8:24:52 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-1M Pre Test_2016-10-20_12-16-38-168.wsl
Create Date: 10/20/2016 12:15:47 PM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-1M
Device Name:
Serial Number: 395424
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 9
Used Battery(%): 2

Log Configuration
Log Name: MPWSP MW-1M Pre Test
Created By: nreynolds
Computer Name: PROBOOK1
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 3/13/2015 3:11:41 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 3/13/2015 3:15:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: 156.688 (ft)
Head Pressure: 69.5587 (PSI)
Temperature: 16.7733 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

Log Notes:

| Date and Time | Note |
|---|---|
| 3/13/2015 3:11:52 PM | Used Battery: 2% Used Memory: 12% User Name: nreynolds |
| 3/20/2015 5:51:57 PM | Log Download - Used Battery: 2% Used Memory: 12% User Name: GSSI |
| 3/27/2015 10:00:19 AM | Log Download - Used Battery: 2% Used Memory: 14% User Name: GSSI |
| 4/3/2015 12:22:31 PM | Log Download - Used Battery: 3% Used Memory: 14% User Name: ECrowWillard |
| 4/10/2015 8:22:39 AM | Log Download - Used Battery: 3% Used Memory: 15% User Name: ECrowWillard |
| 4/17/2015 2:08:04 PM | Log Download - Used Battery: 4% Used Memory: 15% User Name: AKieta |
| 4/24/2015 9:58:42 AM | Log Download - Used Battery: 4% Used Memory: 17% User Name: ECrowWillard |
| 4/30/2015 11:43:37 AM | Log Download - Used Battery: 4% Used Memory: 17% User Name: GSSI |
| 5/7/2015 11:24:52 AM | Log Download - Used Battery: 5% Used Memory: 18% User Name: ECrowWillard Interval - Start Time: 4/30/2015 11:30:00 AM |
| 5/14/2015 10:26:44 AM | Log Download - Used Battery: 5% Used Memory: 18% User Name: BDuarte |
| 5/21/2015 10:35:46 AM | Log Download - Used Battery: 5% Used Memory: 20% User Name: CShaw |
| 5/28/2015 9:52:29 AM | Log Download - Used Battery: 6% Used Memory: 20% User Name: ECrowWillard Interval - Start Time: 5/7/2015 11:15:00 AM |
| 6/4/2015 10:37:27 AM | Log Download - Used Battery: 6% Used Memory: 21% User Name: BDuarte |
| 6/11/2015 10:55:44 AM | Log Download - Used Battery: 7% Used Memory: 21% User Name: BDuarte Interval - Start Time: 6/4/2015 10:30:00 AM |
| 6/18/2015 8:13:22 AM | Log Download - Used Battery: 7% Used Memory: 23% User Name: CShaw |
| 6/25/2015 8:06:01 AM | Log Download - Used Battery: 7% Used Memory: 23% User Name: BDuarte Interval - Start Time: 6/11/2015 10:45:00 AM |
| 7/2/2015 8:41:38 AM | Log Download - Used Battery: 8% Used Memory: 25% User Name: CShaw |
| 7/9/2015 8:06:33 AM | Log Download - Used Battery: 8% Used Memory: 25% User Name: BDuarte |
| 7/16/2015 8:24:56 AM | Log Download - Used Battery: 8% Used Memory: 26% User Name: CShaw |
| 7/23/2015 3:41:50 PM | Log Download - Used Battery: 9% Used Memory: 26% User Name: KMakar |
| 7/30/2015 9:50:35 AM | Log Download - Used Battery: 9% Used Memory: 28% User Name: BDuarte Interval - Start Time: 7/9/2015 8:00:00 AM |
| 8/6/2015 2:33:15 PM | Log Download - Used Battery: 9% Used Memory: 28% User Name: CShaw Interval - Start Time: 7/14/2015 2:15:00 PM Stop Time: 8/6/2015 1:30:00 PM |
| 8/13/2015 12:48:17 PM | Log Download - Used Battery: 10% Used Memory: 29% User Name: KMakar Interval - Start Time: 7/23/2015 3:30:00 PM |
| 8/20/2015 10:00:30 AM | Log Download - Used Battery: 10% Used Memory: 29% User Name: BDuarte Interval - Start Time: 7/30/2015 9:45:00 AM |
| 8/27/2015 10:19:59 AM | Log Download - Used Battery: 11% Used Memory: 31% User Name: KMakar Interval - Start Time: 8/13/2015 5:15:00 PM Stop Time: 8/27/2015 10:15:00 AM |
| 9/3/2015 9:02:42 AM | Log Download - Used Battery: 11% Used Memory: 31% User Name: CShaw Interval - Start Time: 8/1/2015 6:10:00 PM Stop Time: 9/3/2015 5:30:00 PM |
| 9/3/2015 9:05:41 AM | Log Download - Used Battery: 11% Used Memory: 31% User Name: CShaw Interval - Start Time: 8/1/2015 6:10:00 PM Stop Time: 9/3/2015 5:30:00 PM |
| 9/10/2015 10:55:09 AM | Log Download - Used Battery: 11% Used Memory: 32% User Name: KMakar Interval - Start Time: 8/10/2015 8:30:00 AM Stop Time: 9/10/2015 11:00:00 AM |
| 9/17/2015 10:25:08 AM | Log Download - Used Battery: 12% Used Memory: 34% User Name: KMakar Interval - Start Time: 9/1/2015 5:30:00 AM Stop Time: 9/17/2015 10:30:00 AM |
| 9/24/2015 8:53:07 AM | Log Download - Used Battery: 12% Used Memory: 34% User Name: CShaw Interval - Start Time: 9/1/2015 5:30:00 PM Stop Time: 9/24/2015 7:40:00 PM |
| 10/1/2015 1:40:00 PM | Log Download - Used Battery: 12% Used Memory: 35% User Name: KMakar Interval - Start Time: 9/15/2015 7:30:00 AM Stop Time: 10/1/2015 1:45:00 PM |
| 10/8/2015 9:15:09 AM | Log Download - Used Battery: 13% Used Memory: 35% User Name: CShaw Interval - Start Time: 9/1/2015 5:30:00 PM Stop Time: 10/8/2015 8:45:00 PM |
| 10/15/2015 12:40:53 PM | Log Download - Used Battery: 13% Used Memory: 37% User Name: KMakar Interval - Start |

Time: 9/30/2015 7:30:00 AM Stop Time: 10/15/2015 12:45:00 PM
10/22/2015 11:42:28 AM Log Download - Used Battery: 13% Used Memory: 37% User Name: CShaw Interval - Start Time: 10/1/2015 3:05:00 AM Stop Time: 10/22/2015 12:30:00 PM
10/29/2015 2:38:58 PM Log Download - Used Battery: 14% Used Memory: 39% User Name: KMakar Interval - Start Time: 10/13/2015 6:15:00 AM Stop Time: 10/29/2015 2:45:00 PM
11/5/2015 1:36:34 PM Log Download - Used Battery: 14% Used Memory: 39% User Name: KMakar Interval - Start Time: 10/20/2015 6:15:00 AM Stop Time: 11/5/2015 1:45:00 PM
11/12/2015 9:28:41 AM Log Download - Used Battery: 15% Used Memory: 40% User Name: CShaw Interval - Start Time: 10/12/2015 3:05:00 PM Stop Time: 11/12/2015 6:00:00 PM
11/19/2015 2:48:35 PM Log Download - Used Battery: 15% Used Memory: 40% User Name: KMakar Interval - Start Time: 11/1/2015 7:00:00 AM Stop Time: 11/19/2015 2:45:00 PM
11/29/2015 9:07:43 AM Log Download - Used Battery: 15% Used Memory: 42% User Name: CShaw Interval - Start Time: 11/13/2015 1:00:00 AM Stop Time: 11/29/2015 9:00:00 AM
12/3/2015 10:38:28 AM Log Download - Used Battery: 16% Used Memory: 42% User Name: KMakar Interval - Start Time: 11/18/2015 7:00:00 AM Stop Time: 12/3/2015 10:30:00 AM
12/10/2015 8:46:06 AM Log Download - Used Battery: 16% Used Memory: 43% User Name: CShaw Interval - Start Time: 10/13/2015 1:00:00 AM Stop Time: 12/10/2015 8:45:00 AM
12/17/2015 11:05:36 AM Log Download - Used Battery: 16% Used Memory: 43% User Name: KMakar Interval - Start Time: 12/1/2015 12:00:00 PM Stop Time: 12/17/2015 11:00:00 AM
1/3/2016 9:53:52 AM Log Download - Used Battery: 17% Used Memory: 46% User Name: CShaw Interval - Start Time: 11/30/2015 1:00:00 AM Stop Time: 1/3/2016 10:45:00 AM
1/7/2016 10:08:55 AM Log Download - Used Battery: 17% Used Memory: 46% User Name: KMakar Interval - Start Time: 12/31/2015 10:00:00 AM Stop Time: 1/7/2016 10:00:00 AM
1/14/2016 8:22:00 AM Log Download - Used Battery: 18% Used Memory: 46% User Name: KMakar Interval - Start Time: 1/4/2016 10:00:00 AM Stop Time: 1/14/2016 8:15:00 AM
1/21/2016 11:35:20 AM Log Download - Used Battery: 18% Used Memory: 48% User Name: KMakar Interval - Start Time: 1/12/2016 11:00:00 AM Stop Time: 1/21/2016 11:30:00 AM
1/28/2016 1:41:34 PM Log Download - Used Battery: 18% Used Memory: 48% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 1:30:00 PM
2/4/2016 9:12:58 AM Log Download - Used Battery: 19% Used Memory: 50% User Name: CShaw Interval - Start Time: 12/31/2015 1:00:00 AM Stop Time: 2/4/2016 10:00:00 AM
2/11/2016 9:05:46 AM Log Download - Used Battery: 19% Used Memory: 51% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 9:00:00 AM
2/18/2016 8:55:44 AM Log Download - Used Battery: 20% Used Memory: 51% User Name: CShaw Interval - Start Time: 2/4/2016 5:30:00 PM Stop Time: 2/18/2016 9:45:00 AM
2/25/2016 11:52:16 AM Log Download - Used Battery: 20% Used Memory: 53% User Name: KMakar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 11:45:00 AM
3/3/2016 8:43:03 AM Log Download - Used Battery: 20% Used Memory: 53% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 8:45:00 AM
3/10/2016 8:30:57 AM Log Download - Used Battery: 21% Used Memory: 54% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 8:30:00 AM
3/17/2016 5:46:25 PM Log Download - Used Battery: 21% Used Memory: 54% User Name: SKuiper Interval - Start Time: 3/8/2016 9:00:00 AM Stop Time: 3/17/2016 6:45:00 PM
3/24/2016 12:15:30 PM Log Download - Used Battery: 21% Used Memory: 56% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 12:15:00 PM
3/31/2016 10:55:06 AM Log Download - Used Battery: 22% Used Memory: 56% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 10:45:00 AM
4/7/2016 11:56:20 AM Log Download - Used Battery: 22% Used Memory: 57% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 11:45:00 AM
4/14/2016 1:17:14 PM Log Download - Used Battery: 22% Used Memory: 57% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 2:00:00 PM
4/21/2016 10:27:16 AM Log Download - Used Battery: 23% Used Memory: 59% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 11:15:00 AM
4/28/2016 11:00:59 AM Log Download - Used Battery: 23% Used Memory: 59% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 11:00:00 AM
5/5/2016 12:34:04 PM Log Download - Used Battery: 24% Used Memory: 60% User Name: SKuiper Interval - Start

Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 12:30:00 PM
5/12/2016 3:55:59 PM Log Download - Used Battery: 24% Used Memory: 60% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 4:45:00 PM
5/19/2016 4:26:51 PM Log Download - Used Battery: 24% Used Memory: 62% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 5:15:00 PM
5/26/2016 2:15:18 PM Log Download - Used Battery: 25% Used Memory: 62% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 2:15:00 PM
6/2/2016 2:23:30 PM Log Download - Used Battery: 25% Used Memory: 64% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 3:15:00 PM

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Log Data:
Record Count: 729
Sensors: 1
1 - 395424: PCTD 100 PSIG (70m/231ft)
Time Zone: Pacific Daylight Time

| | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft |
|---|---|---|---|---|---|---|---|---|---|
| | Elapsed Time | SN#: 395424 | SN#: 395424 | SN#: 395424 | SN#: 395424 | SN#: 395424 | SN#: 395424 | SN#: 395424 | SN#: 395424 |
| Date and Time | Seconds | Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppt) | Resistivity (ohm-cm) | Water Density (g/cm3) |
| 10/13/2016 12:00:00 AM | 7200.000 | 67.258 | 15.638 | 151.505 | 41830.645 | 50939.199 | 33.506 | 34.639 | 23.906 | 1.025 |
| 10/13/2016 12:15:00 AM | 8100.000 | 67.251 | 15.638 | 151.489 | 41844.715 | 50956.648 | 33.519 | 34.651 | 23.898 | 1.025 |
| 10/13/2016 12:30:00 AM | 9000.000 | 67.241 | 15.638 | 151.467 | 41867.023 | 50983.203 | 33.538 | 34.669 | 23.885 | 1.025 |
| 10/13/2016 12:45:00 AM | 9900.000 | 67.248 | 15.638 | 151.484 | 41871.293 | 50989.016 | 33.542 | 34.673 | 23.883 | 1.025 |
| 10/13/2016 1:00:00 AM | 10800.000 | 67.244 | 15.639 | 151.474 | 41843.820 | 50954.629 | 33.517 | 34.649 | 23.898 | 1.025 |
| 10/13/2016 1:15:00 AM | 11700.000 | 67.218 | 15.639 | 151.414 | 41833.336 | 50941.449 | 33.508 | 34.640 | 23.904 | 1.025 |
| 10/13/2016 1:30:00 AM | 12600.000 | 67.205 | 15.639 | 151.386 | 41854.027 | 50966.844 | 33.526 | 34.657 | 23.893 | 1.025 |
| 10/13/2016 1:45:00 AM | 13500.000 | 67.196 | 15.639 | 151.365 | 41868.918 | 50984.777 | 33.539 | | | |

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|---|---|---|---|
| 34.670 | 23.884 | 1.025 | |
| 10/13/2016 2:00:00 AM | 14400.000 | 67.191 | 15.640 |
| 151.354 | 41848.391 | 50959.047 | 33.521 |
| 34.652 | 23.896 | 1.025 | |
| 10/13/2016 2:15:00 AM | 15300.000 | 67.183 | 15.639 |
| 151.337 | 41871.844 | 50987.813 | 33.542 |
| 34.672 | 23.882 | 1.025 | |
| 10/13/2016 2:30:00 AM | 16200.000 | 67.175 | 15.641 |
| 151.319 | 41849.020 | 50958.250 | 33.520 |
| 34.652 | 23.895 | 1.025 | |
| 10/13/2016 2:45:00 AM | 17100.000 | 67.170 | 15.640 |
| 151.307 | 41844.906 | 50954.074 | 33.517 |
| 34.649 | 23.898 | 1.025 | |
| 10/13/2016 3:00:00 AM | 18000.000 | 67.161 | 15.640 |
| 151.287 | 41869.043 | 50983.465 | 33.539 |
| 34.669 | 23.884 | 1.025 | |
| 10/13/2016 3:15:00 AM | 18900.000 | 67.175 | 15.642 |
| 151.318 | 41859.633 | 50970.445 | 33.529 |
| 34.660 | 23.889 | 1.025 | |
| 10/13/2016 3:30:00 AM | 19800.000 | 67.173 | 15.641 |
| 151.313 | 41909.086 | 51030.758 | 33.573 |
| 34.701 | 23.861 | 1.025 | |
| 10/13/2016 3:45:00 AM | 20700.000 | 67.156 | 15.642 |
| 151.274 | 41864.762 | 50976.473 | 33.534 |
| 34.664 | 23.886 | 1.025 | |
| 10/13/2016 4:00:00 AM | 21600.000 | 67.152 | 15.643 |
| 151.266 | 41866.785 | 50977.891 | 33.535 |
| 34.665 | 23.885 | 1.025 | |
| 10/13/2016 4:15:00 AM | 22500.000 | 67.154 | 15.643 |
| 151.272 | 41854.402 | 50962.602 | 33.523 |
| 34.655 | 23.892 | 1.025 | |
| 10/13/2016 4:30:00 AM | 23400.000 | 67.168 | 15.644 |
| 151.302 | 41872.180 | 50983.203 | 33.539 |
| 34.669 | 23.882 | 1.025 | |
| 10/13/2016 4:45:00 AM | 24300.000 | 67.159 | 15.644 |
| 151.281 | 41826.555 | 50927.336 | 33.498 |
| 34.631 | 23.908 | 1.025 | |
| 10/13/2016 5:00:00 AM | 25200.000 | 67.159 | 15.644 |
| 151.282 | 41884.340 | 50998.008 | 33.550 |
| 34.679 | 23.875 | 1.025 | |
| 10/13/2016 5:15:00 AM | 26100.000 | 67.168 | 15.644 |
| 151.303 | 41903.668 | 51020.809 | 33.566 |
| 34.694 | 23.864 | 1.025 | |
| 10/13/2016 5:30:00 AM | 27000.000 | 67.186 | 15.644 |
| 151.342 | 41869.223 | 50979.707 | 33.536 |
| 34.666 | 23.884 | 1.025 | |
| 10/13/2016 5:45:00 AM | 27900.000 | 67.188 | 15.644 |
| 151.348 | 41878.148 | 50989.953 | 33.544 |
| 34.673 | 23.879 | 1.025 | |
| 10/13/2016 6:00:00 AM | 28800.000 | 67.198 | 15.644 |
| 151.371 | 41863.676 | 50972.848 | 33.531 |
| 34.662 | 23.887 | 1.025 | |
| 10/13/2016 6:15:00 AM | 29700.000 | 67.203 | 15.644 |
| 151.382 | 41861.129 | 50968.914 | 33.528 |
| 34.659 | 23.889 | 1.025 | |
| 10/13/2016 6:30:00 AM | 30600.000 | 67.205 | 15.644 |

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|---|---|---|---|
| 151.386 | 41853.957 | 50960.598 | 33.522 |
| 34.653 | 23.893 | 1.025 | |
| 10/13/2016 6:45:00 AM | 31500.000 | 67.219 | 15.645 |
| 151.417 | 41861.160 | 50968.520 | 33.528 |
| 34.659 | 23.888 | 1.025 | |
| 10/13/2016 7:00:00 AM | 32400.000 | 67.245 | 15.644 |
| 151.475 | 41846.871 | 50951.652 | 33.516 |
| 34.647 | 23.897 | 1.025 | |
| 10/13/2016 7:15:00 AM | 33300.000 | 67.250 | 15.645 |
| 151.486 | 41837.383 | 50939.785 | 33.507 |
| 34.639 | 23.902 | 1.025 | |
| 10/13/2016 7:30:00 AM | 34200.000 | 67.249 | 15.644 |
| 151.485 | 41840.875 | 50944.879 | 33.510 |
| 34.643 | 23.900 | 1.025 | |
| 10/13/2016 7:45:00 AM | 35100.000 | 67.246 | 15.644 |
| 151.479 | 41866.293 | 50975.828 | 33.533 |
| 34.664 | 23.886 | 1.025 | |
| 10/13/2016 8:00:00 AM | 36000.000 | 67.254 | 15.643 |
| 151.497 | 41866.441 | 50976.848 | 33.534 |
| 34.664 | 23.885 | 1.025 | |
| 10/13/2016 8:15:00 AM | 36900.000 | 67.261 | 15.643 |
| 151.512 | 41823.816 | 50925.570 | 33.496 |
| 34.629 | 23.910 | 1.025 | |
| 10/13/2016 8:30:00 AM | 37800.000 | 67.282 | 15.643 |
| 151.560 | 41849.141 | 50956.406 | 33.519 |
| 34.650 | 23.895 | 1.025 | |
| 10/13/2016 8:45:00 AM | 38700.000 | 67.274 | 15.642 |
| 151.540 | 41833.047 | 50937.434 | 33.505 |
| 34.637 | 23.905 | 1.025 | |
| 10/13/2016 9:00:00 AM | 39600.000 | 67.285 | 15.642 |
| 151.565 | 41871.285 | 50983.996 | 33.539 |
| 34.669 | 23.883 | 1.025 | |
| 10/13/2016 9:15:00 AM | 40500.000 | 67.290 | 15.642 |
| 151.577 | 41820.996 | 50922.977 | 33.494 |
| 34.628 | 23.911 | 1.025 | |
| 10/13/2016 9:30:00 AM | 41400.000 | 67.285 | 15.642 |
| 151.566 | 41872.168 | 50985.285 | 33.540 |
| 34.670 | 23.882 | 1.025 | |
| 10/13/2016 9:45:00 AM | 42300.000 | 67.285 | 15.641 |
| 151.566 | 41825.441 | 50929.965 | 33.499 |
| 34.632 | 23.909 | 1.025 | |
| 10/13/2016 10:00:00 AM | 43200.000 | 67.288 | 15.641 |
| 151.574 | 41836.973 | 50943.895 | 33.510 |
| 34.642 | 23.902 | 1.025 | |
| 10/13/2016 10:15:00 AM | 44100.000 | 67.307 | 15.641 |
| 151.615 | 41843.695 | 50951.449 | 33.515 |
| 34.647 | 23.898 | 1.025 | |
| 10/13/2016 10:30:00 AM | 45000.000 | 67.284 | 15.640 |
| 151.564 | 41842.539 | 50951.297 | 33.515 |
| 34.647 | 23.899 | 1.025 | |
| 10/13/2016 10:45:00 AM | 45900.000 | 67.291 | 15.639 |
| 151.580 | 41819.039 | 50923.719 | 33.495 |
| 34.628 | 23.913 | 1.025 | |
| 10/13/2016 11:00:00 AM | 46800.000 | 67.294 | 15.640 |
| 151.587 | 41830.715 | 50937.523 | 33.505 |
| 34.638 | 23.906 | 1.025 | |

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|---|---|---|---|
| 10/13/2016 11:15:00 AM | 47700.000 | 67.291 | 15.639 |
| 151.580 | 41820.781 | 50926.473 | 33.497 |
| 34.630 | 23.912 | 1.025 | |
| 10/13/2016 11:30:00 AM | 48600.000 | 67.288 | 15.638 |
| 151.573 | 41845.281 | 50956.934 | 33.519 |
| 34.651 | 23.898 | 1.025 | |
| 10/13/2016 11:45:00 AM | 49500.000 | 67.283 | 15.638 |
| 151.561 | 41849.516 | 50961.781 | 33.522 |
| 34.654 | 23.895 | 1.025 | |
| 10/13/2016 12:00:00 PM | 50400.000 | 67.283 | 15.638 |
| 151.563 | 41809.660 | 50913.445 | 33.487 |
| 34.621 | 23.918 | 1.025 | |
| 10/13/2016 12:15:00 PM | 51300.000 | 67.280 | 15.638 |
| 151.555 | 41853.000 | 50966.539 | 33.526 |
| 34.657 | 23.893 | 1.025 | |
| 10/13/2016 12:30:00 PM | 52200.000 | 67.279 | 15.637 |
| 151.553 | 41871.793 | 50990.676 | 33.544 |
| 34.674 | 23.882 | 1.025 | |
| 10/13/2016 12:45:00 PM | 53100.000 | 67.301 | 15.638 |
| 151.603 | 41814.734 | 50919.734 | 33.492 |
| 34.625 | 23.915 | 1.025 | |
| 10/13/2016 1:00:00 PM | 54000.000 | 67.287 | 15.637 |
| 151.571 | 41847.402 | 50960.973 | 33.522 |
| 34.653 | 23.896 | 1.025 | |
| 10/13/2016 1:15:00 PM | 54900.000 | 67.288 | 15.637 |
| 151.573 | 41824.336 | 50932.574 | 33.501 |
| 34.634 | 23.910 | 1.025 | |
| 10/13/2016 1:30:00 PM | 55800.000 | 67.295 | 15.637 |
| 151.589 | 41811.730 | 50916.914 | 33.489 |
| 34.624 | 23.917 | 1.025 | |
| 10/13/2016 1:45:00 PM | 56700.000 | 67.282 | 15.636 |
| 151.558 | 41825.000 | 50934.332 | 33.502 |
| 34.635 | 23.909 | 1.025 | |
| 10/13/2016 2:00:00 PM | 57600.000 | 67.273 | 15.636 |
| 151.538 | 41818.887 | 50926.781 | 33.497 |
| 34.630 | 23.913 | 1.025 | |
| 10/13/2016 2:15:00 PM | 58500.000 | 67.269 | 15.637 |
| 151.530 | 41843.789 | 50956.688 | 33.519 |
| 34.651 | 23.898 | 1.025 | |
| 10/13/2016 2:30:00 PM | 59400.000 | 67.281 | 15.636 |
| 151.557 | 41863.563 | 50981.500 | 33.537 |
| 34.667 | 23.887 | 1.025 | |
| 10/13/2016 2:45:00 PM | 60300.000 | 67.258 | 15.637 |
| 151.505 | 41856.953 | 50973.020 | 33.531 |
| 34.662 | 23.891 | 1.025 | |
| 10/13/2016 3:00:00 PM | 61200.000 | 67.253 | 15.637 |
| 151.494 | 41818.215 | 50925.328 | 33.496 |
| 34.629 | 23.913 | 1.025 | |
| 10/13/2016 3:15:00 PM | 62100.000 | 67.249 | 15.638 |
| 151.485 | 41843.387 | 50955.250 | 33.518 |
| 34.650 | 23.899 | 1.025 | |
| 10/13/2016 3:30:00 PM | 63000.000 | 67.238 | 15.637 |
| 151.460 | 41813.516 | 50919.289 | 33.491 |
| 34.625 | 23.916 | 1.025 | |
| 10/13/2016 3:45:00 PM | 63900.000 | 67.237 | 15.637 |
| 151.457 | 41846.211 | 50959.105 | 33.520 |

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|---|---|---|---|
| 34.652 | 23.897 | 1.025 | |
| 10/13/2016 4:00:00 PM | 64800.000 | 67.231 | 15.637 |
| 151.445 | 41813.180 | 50918.988 | 33.491 |
| 34.625 | 23.916 | 1.025 | |
| 10/13/2016 4:15:00 PM | 65700.000 | 67.230 | 15.637 |
| 151.442 | 41863.672 | 50980.367 | 33.536 |
| 34.667 | 23.887 | 1.025 | |
| 10/13/2016 4:30:00 PM | 66600.000 | 67.229 | 15.638 |
| 151.439 | 41847.586 | 50959.738 | 33.521 |
| 34.653 | 23.896 | 1.025 | |
| 10/13/2016 4:45:00 PM | 67500.000 | 67.230 | 15.637 |
| 151.442 | 41851.984 | 50966.336 | 33.526 |
| 34.657 | 23.894 | 1.025 | |
| 10/13/2016 5:00:00 PM | 68400.000 | 67.231 | 15.638 |
| 151.445 | 41867.695 | 50984.852 | 33.539 |
| 34.670 | 23.885 | 1.025 | |
| 10/13/2016 5:15:00 PM | 69300.000 | 67.232 | 15.637 |
| 151.447 | 41817.219 | 50923.598 | 33.494 |
| 34.628 | 23.914 | 1.025 | |
| 10/13/2016 5:30:00 PM | 70200.000 | 67.237 | 15.638 |
| 151.458 | 41855.141 | 50969.246 | 33.528 |
| 34.659 | 23.892 | 1.025 | |
| 10/13/2016 5:45:00 PM | 71100.000 | 67.237 | 15.639 |
| 151.458 | 41871.754 | 50988.543 | 33.542 |
| 34.672 | 23.882 | 1.025 | |
| 10/13/2016 6:00:00 PM | 72000.000 | 67.233 | 15.639 |
| 151.449 | 41847.352 | 50959.027 | 33.520 |
| 34.652 | 23.896 | 1.025 | |
| 10/13/2016 6:15:00 PM | 72900.000 | 67.268 | 15.638 |
| 151.527 | 41823.441 | 50930.227 | 33.499 |
| 34.633 | 23.910 | 1.025 | |
| 10/13/2016 6:30:00 PM | 73800.000 | 67.248 | 15.638 |
| 151.483 | 41818.773 | 50924.543 | 33.495 |
| 34.629 | 23.913 | 1.025 | |
| 10/13/2016 6:45:00 PM | 74700.000 | 67.269 | 15.638 |
| 151.531 | 41802.250 | 50904.531 | 33.480 |
| 34.615 | 23.922 | 1.025 | |
| 10/13/2016 7:00:00 PM | 75600.000 | 67.269 | 15.639 |
| 151.530 | 41830.301 | 50938.164 | 33.505 |
| 34.638 | 23.906 | 1.025 | |
| 10/13/2016 7:15:00 PM | 76500.000 | 67.298 | 15.637 |
| 151.595 | 41832.938 | 50943.047 | 33.509 |
| 34.641 | 23.905 | 1.025 | |
| 10/13/2016 7:30:00 PM | 77400.000 | 67.283 | 15.636 |
| 151.562 | 41849.594 | 50964.281 | 33.524 |
| 34.656 | 23.895 | 1.025 | |
| 10/13/2016 7:45:00 PM | 78300.000 | 67.300 | 15.637 |
| 151.599 | 41860.898 | 50976.891 | 33.534 |
| 34.664 | 23.889 | 1.025 | |
| 10/13/2016 8:00:00 PM | 79200.000 | 67.308 | 15.636 |
| 151.618 | 41809.770 | 50916.090 | 33.489 |
| 34.623 | 23.918 | 1.025 | |
| 10/13/2016 8:15:00 PM | 80100.000 | 67.328 | 15.636 |
| 151.662 | 41841.281 | 50954.566 | 33.517 |
| 34.649 | 23.900 | 1.025 | |
| 10/13/2016 8:30:00 PM | 81000.000 | 67.345 | 15.636 |

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|---|---|---|---|
| 151.701 | 41813.840 | 50921.781 | 33.493 |
| 34.627 | 23.916 | 1.025 | |
| 10/13/2016 8:45:00 PM | 81900.000 | 67.363 | 15.634 |
| 151.742 | 41834.316 | 50948.293 | 33.512 |
| 34.645 | 23.904 | 1.025 | |
| 10/13/2016 9:00:00 PM | 82800.000 | 67.369 | 15.633 |
| 151.755 | 41816.887 | 50928.105 | 33.497 |
| 34.631 | 23.914 | 1.025 | |
| 10/13/2016 9:15:00 PM | 83700.000 | 67.382 | 15.633 |
| 151.784 | 41820.852 | 50933.445 | 33.501 |
| 34.635 | 23.912 | 1.025 | |
| 10/13/2016 9:30:00 PM | 84600.000 | 67.395 | 15.631 |
| 151.814 | 41818.105 | 50932.398 | 33.500 |
| 34.634 | 23.913 | 1.025 | |
| 10/13/2016 9:45:00 PM | 85500.000 | 67.413 | 15.629 |
| 151.854 | 41826.266 | 50944.434 | 33.509 |
| 34.642 | 23.908 | 1.025 | |
| 10/13/2016 10:00:00 PM | 86400.000 | 67.440 | 15.629 |
| 151.915 | 41834.762 | 50955.199 | 33.517 |
| 34.650 | 23.904 | 1.025 | |
| 10/13/2016 10:15:00 PM | 87300.000 | 67.449 | 15.627 |
| 151.936 | 41820.816 | 50940.938 | 33.506 |
| 34.640 | 23.912 | 1.025 | |
| 10/13/2016 10:30:00 PM | 88200.000 | 67.449 | 15.625 |
| 151.936 | 41820.852 | 50942.750 | 33.507 |
| 34.641 | 23.912 | 1.025 | |
| 10/13/2016 10:45:00 PM | 89100.000 | 67.469 | 15.624 |
| 151.980 | 41802.734 | 50922.145 | 33.492 |
| 34.627 | 23.922 | 1.025 | |
| 10/13/2016 11:00:00 PM | 90000.000 | 67.467 | 15.622 |
| 151.975 | 41812.699 | 50936.176 | 33.502 |
| 34.637 | 23.916 | 1.025 | |
| 10/13/2016 11:15:00 PM | 90900.000 | 67.473 | 15.621 |
| 151.989 | 41816.738 | 50943.074 | 33.507 |
| 34.641 | 23.914 | 1.025 | |
| 10/13/2016 11:30:00 PM | 91800.000 | 67.473 | 15.619 |
| 151.989 | 41835.688 | 50967.625 | 33.525 |
| 34.658 | 23.903 | 1.025 | |
| 10/13/2016 11:45:00 PM | 92700.000 | 67.469 | 15.618 |
| 151.981 | 41854.285 | 50991.531 | 33.543 |
| 34.674 | 23.892 | 1.025 | |
| 10/14/2016 12:00:00 AM | 93600.000 | 67.470 | 15.617 |
| 151.984 | 41814.555 | 50944.176 | 33.508 |
| 34.642 | 23.915 | 1.025 | |
| 10/14/2016 12:15:00 AM | 94500.000 | 67.464 | 15.616 |
| 151.970 | 41832.941 | 50967.934 | 33.525 |
| 34.658 | 23.905 | 1.025 | |
| 10/14/2016 12:30:00 AM | 95400.000 | 67.484 | 15.616 |
| 152.014 | 41800.434 | 50928.637 | 33.496 |
| 34.631 | 23.923 | 1.025 | |
| 10/14/2016 12:45:00 AM | 96300.000 | 67.467 | 15.616 |
| 151.975 | 41828.043 | 50962.492 | 33.521 |
| 34.654 | 23.907 | 1.025 | |
| 10/14/2016 1:00:00 AM | 97200.000 | 67.461 | 15.616 |
| 151.963 | 41808.406 | 50938.887 | 33.504 |
| 34.638 | 23.919 | 1.025 | |

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|---|---|---|---|
| 10/14/2016 1:15:00 AM | 98100.000 | 67.461 | 15.615 |
| 151.963 | 41829.082 | 50965.113 | 33.523 |
| 34.656 | 23.907 | 1.025 | |
| 10/14/2016 1:30:00 AM | 99000.000 | 67.457 | 15.614 |
| 151.953 | 41815.813 | 50949.898 | 33.512 |
| 34.646 | 23.914 | 1.025 | |
| 10/14/2016 1:45:00 AM | 99900.000 | 67.449 | 15.614 |
| 151.936 | 41835.805 | 50974.457 | 33.530 |
| 34.663 | 23.903 | 1.025 | |
| 10/14/2016 2:00:00 AM | 100800.000 | 67.449 | 15.613 |
| 151.934 | 41788.801 | 50917.617 | 33.488 |
| 34.624 | 23.930 | 1.025 | |
| 10/14/2016 2:15:00 AM | 101700.000 | 67.455 | 15.614 |
| 151.948 | 41811.844 | 50945.379 | 33.509 |
| 34.643 | 23.917 | 1.025 | |
| 10/14/2016 2:30:00 AM | 102600.000 | 67.449 | 15.613 |
| 151.934 | 41821.629 | 50957.816 | 33.518 |
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| 151.910 | 41829.125 | 50967.148 | 33.524 |
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| 151.907 | 41855.055 | 51000.109 | 33.549 |
| 34.680 | 23.892 | 1.025 | |
| 10/14/2016 3:30:00 AM | 106200.000 | 67.428 | 15.612 |
| 151.888 | 41845.730 | 50988.133 | 33.540 |
| 34.672 | 23.897 | 1.025 | |
| 10/14/2016 3:45:00 AM | 107100.000 | 67.434 | 15.613 |
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| 34.644 | 23.916 | 1.025 | |
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| 34.636 | 23.922 | 1.025 | |
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| 34.665 | 23.902 | 1.025 | |
| 10/14/2016 4:30:00 AM | 109800.000 | 67.448 | 15.613 |
| 151.933 | 41820.961 | 50957.727 | 33.518 |
| 34.651 | 23.911 | 1.025 | |
| 10/14/2016 4:45:00 AM | 110700.000 | 67.436 | 15.613 |
| 151.905 | 41834.277 | 50973.547 | 33.529 |
| 34.662 | 23.904 | 1.025 | |
| 10/14/2016 5:00:00 AM | 111600.000 | 67.442 | 15.612 |
| 151.919 | 41830.313 | 50969.547 | 33.526 |
| 34.659 | 23.906 | 1.025 | |
| 10/14/2016 5:15:00 AM | 112500.000 | 67.455 | 15.613 |
| 151.948 | 41812.289 | 50946.855 | 33.510 |
| 34.644 | 23.916 | 1.025 | |
| 10/14/2016 5:30:00 AM | 113400.000 | 67.452 | 15.613 |
| 151.942 | 41799.016 | 50929.949 | 33.497 |
| 34.632 | 23.924 | 1.025 | |
| 10/14/2016 5:45:00 AM | 114300.000 | 67.470 | 15.612 |
| 151.984 | 41817.773 | 50954.902 | 33.515 |

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| 10/14/2016 6:00:00 AM | 115200.000 | 67.467 | 15.612 |
| 151.975 | 41787.305 | 50917.035 | 33.488 |
| 34.624 | 23.931 | 1.025 | |
| 10/14/2016 6:15:00 AM | 116100.000 | 67.467 | 15.612 |
| 151.975 | 41840.508 | 50982.285 | 33.536 |
| 34.668 | 23.900 | 1.025 | |
| 10/14/2016 6:30:00 AM | 117000.000 | 67.492 | 15.612 |
| 152.033 | 41819.516 | 50956.906 | 33.517 |
| 34.651 | 23.912 | 1.025 | |
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| 152.017 | 41813.324 | 50949.262 | 33.511 |
| 34.646 | 23.916 | 1.025 | |
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| 152.061 | 41828.789 | 50968.938 | 33.526 |
| 34.659 | 23.907 | 1.025 | |
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| 152.076 | 41811.953 | 50948.742 | 33.511 |
| 34.645 | 23.917 | 1.025 | |
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| 152.100 | 41808.883 | 50944.363 | 33.508 |
| 34.642 | 23.918 | 1.025 | |
| 10/14/2016 7:45:00 AM | 121500.000 | 67.536 | 15.610 |
| 152.131 | 41822.520 | 50962.133 | 33.521 |
| 34.654 | 23.911 | 1.025 | |
| 10/14/2016 8:00:00 AM | 122400.000 | 67.569 | 15.610 |
| 152.206 | 41829.457 | 50971.539 | 33.527 |
| 34.661 | 23.907 | 1.025 | |
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| 34.646 | 23.917 | 1.025 | |
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| 34.654 | 23.912 | 1.025 | |
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| 152.455 | 41837.574 | 50986.355 | 33.538 |
| 34.671 | 23.902 | 1.025 | |
| 10/14/2016 9:00:00 AM | 126000.000 | 67.693 | 15.603 |
| 152.485 | 41795.156 | 50937.371 | 33.502 |
| 34.637 | 23.926 | 1.025 | |
| 10/14/2016 9:15:00 AM | 126900.000 | 67.744 | 15.601 |
| 152.599 | 41825.523 | 50976.688 | 33.531 |
| 34.664 | 23.909 | 1.025 | |
| 10/14/2016 9:30:00 AM | 127800.000 | 67.750 | 15.599 |
| 152.613 | 41788.059 | 50933.328 | 33.499 |
| 34.635 | 23.930 | 1.025 | |
| 10/14/2016 9:45:00 AM | 128700.000 | 67.774 | 15.597 |
| 152.667 | 41827.340 | 50983.605 | 33.535 |
| 34.669 | 23.908 | 1.025 | |
| 10/14/2016 10:00:00 AM | 129600.000 | 67.810 | 15.595 |
| 152.748 | 41799.680 | 50952.605 | 33.512 |
| 34.648 | 23.924 | 1.025 | |
| 10/14/2016 10:15:00 AM | 130500.000 | 67.827 | 15.592 |
| 152.786 | 41812.992 | 50971.992 | 33.526 |
| 34.661 | 23.916 | 1.025 | |
| 10/14/2016 10:30:00 AM | 131400.000 | 67.843 | 15.590 |

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| 34.656 | 23.921 | 1.025 | |
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| 152.875 | 41797.352 | 50959.824 | 33.517 |
| 34.653 | 23.925 | 1.025 | |
| 10/14/2016 11:15:00 AM | 134100.000 | 67.881 | 15.584 |
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| 34.673 | 23.912 | 1.025 | |
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| 34.659 | 23.923 | 1.025 | |
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| 152.926 | 41800.504 | 50970.160 | 33.524 |
| 34.660 | 23.923 | 1.025 | |
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| 152.931 | 41793.930 | 50965.594 | 33.521 |
| 34.657 | 23.927 | 1.025 | |
| 10/14/2016 12:15:00 PM | 137700.000 | 67.888 | 15.577 |
| 152.924 | 41796.902 | 50970.152 | 33.524 |
| 34.660 | 23.925 | 1.025 | |
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| 152.939 | 41810.172 | 50986.652 | 33.536 |
| 34.671 | 23.918 | 1.025 | |
| 10/14/2016 12:45:00 PM | 139500.000 | 67.895 | 15.575 |
| 152.940 | 41812.176 | 50991.402 | 33.539 |
| 34.674 | 23.916 | 1.025 | |
| 10/14/2016 1:00:00 PM | 140400.000 | 67.878 | 15.575 |
| 152.903 | 41798.500 | 50974.824 | 33.527 |
| 34.663 | 23.924 | 1.025 | |
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| 152.886 | 41811.512 | 50992.906 | 33.540 |
| 34.675 | 23.917 | 1.025 | |
| 10/14/2016 1:30:00 PM | 142200.000 | 67.859 | 15.573 |
| 152.860 | 41795.234 | 50972.855 | 33.526 |
| 34.662 | 23.926 | 1.025 | |
| 10/14/2016 1:45:00 PM | 143100.000 | 67.862 | 15.573 |
| 152.865 | 41763.637 | 50934.934 | 33.498 |
| 34.636 | 23.944 | 1.025 | |
| 10/14/2016 2:00:00 PM | 144000.000 | 67.850 | 15.572 |
| 152.838 | 41789.117 | 50966.945 | 33.521 |
| 34.658 | 23.930 | 1.025 | |
| 10/14/2016 2:15:00 PM | 144900.000 | 67.836 | 15.572 |
| 152.807 | 41801.645 | 50982.121 | 33.532 |
| 34.668 | 23.923 | 1.025 | |
| 10/14/2016 2:30:00 PM | 145800.000 | 67.828 | 15.572 |
| 152.790 | 41791.340 | 50969.773 | 33.523 |
| 34.659 | 23.928 | 1.025 | |
| 10/14/2016 2:45:00 PM | 146700.000 | 67.819 | 15.572 |
| 152.770 | 41803.160 | 50984.070 | 33.534 |
| 34.669 | 23.922 | 1.025 | |
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| 152.737 | 41810.438 | 50992.848 | 33.540 |
| 34.675 | 23.917 | 1.025 | |

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| 10/14/2016 3:45:00 PM | 150300.000 | 67.801 | 15.573 |
| 152.729 | 41810.539 | 50992.234 | 33.540 |
| 34.675 | 23.917 | 1.025 | |
| 10/14/2016 4:00:00 PM | 151200.000 | 67.770 | 15.573 |
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| 152.656 | 41786.672 | 50963.246 | 33.519 |
| 34.655 | 23.931 | 1.025 | |
| 10/14/2016 4:30:00 PM | 153000.000 | 67.775 | 15.574 |
| 152.670 | 41811.246 | 50991.230 | 33.539 |
| 34.674 | 23.917 | 1.025 | |
| 10/14/2016 4:45:00 PM | 153900.000 | 67.774 | 15.574 |
| 152.667 | 41766.520 | 50937.516 | 33.500 |
| 34.638 | 23.943 | 1.025 | |
| 10/14/2016 5:00:00 PM | 154800.000 | 67.768 | 15.574 |
| 152.653 | 41795.902 | 50972.930 | 33.526 |
| 34.662 | 23.926 | 1.025 | |
| 10/14/2016 5:15:00 PM | 155700.000 | 67.748 | 15.575 |
| 152.608 | 41823.527 | 51005.148 | 33.549 |
| 34.684 | 23.910 | 1.025 | |
| 10/14/2016 5:30:00 PM | 156600.000 | 67.766 | 15.575 |
| 152.649 | 41796.715 | 50973.281 | 33.526 |
| 34.662 | 23.925 | 1.025 | |
| 10/14/2016 5:45:00 PM | 157500.000 | 67.763 | 15.574 |
| 152.643 | 41810.359 | 50990.148 | 33.538 |
| 34.673 | 23.918 | 1.025 | |
| 10/14/2016 6:00:00 PM | 158400.000 | 67.754 | 15.575 |
| 152.623 | 41779.449 | 50952.227 | 33.511 |
| 34.648 | 23.935 | 1.025 | |
| 10/14/2016 6:15:00 PM | 159300.000 | 67.777 | 15.574 |
| 152.675 | 41804.051 | 50982.547 | 33.533 |
| 34.668 | 23.921 | 1.025 | |
| 10/14/2016 6:30:00 PM | 160200.000 | 67.781 | 15.574 |
| 152.684 | 41754.418 | 50921.809 | 33.488 |
| 34.627 | 23.950 | 1.025 | |
| 10/14/2016 6:45:00 PM | 161100.000 | 67.771 | 15.575 |
| 152.660 | 41774.672 | 50946.398 | 33.506 |
| 34.644 | 23.938 | 1.025 | |
| 10/14/2016 7:00:00 PM | 162000.000 | 67.779 | 15.574 |
| 152.680 | 41774.406 | 50946.301 | 33.506 |
| 34.643 | 23.938 | 1.025 | |
| 10/14/2016 7:15:00 PM | 162900.000 | 67.773 | 15.574 |
| 152.666 | 41828.430 | 51012.188 | 33.555 |
| 34.688 | 23.907 | 1.025 | |
| 10/14/2016 7:30:00 PM | 163800.000 | 67.789 | 15.574 |
| 152.701 | 41792.348 | 50968.484 | 33.522 |
| 34.659 | 23.928 | 1.025 | |
| 10/14/2016 7:45:00 PM | 164700.000 | 67.801 | 15.573 |
| 152.729 | 41762.363 | 50932.648 | 33.496 |

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| 152.770 | 41773.371 | 50946.598 | 33.506 |
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| 34.649 | 23.936 | 1.025 | |
| 10/14/2016 8:30:00 PM | 167400.000 | 67.848 | 15.572 |
| 152.834 | 41796.684 | 50976.289 | 33.528 |
| 34.664 | 23.925 | 1.025 | |
| 10/14/2016 8:45:00 PM | 168300.000 | 67.890 | 15.571 |
| 152.929 | 41772.785 | 50948.172 | 33.507 |
| 34.645 | 23.939 | 1.025 | |
| 10/14/2016 9:00:00 PM | 169200.000 | 67.913 | 15.570 |
| 152.982 | 41788.926 | 50968.711 | 33.522 |
| 34.659 | 23.930 | 1.025 | |
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| 153.034 | 41762.723 | 50938.742 | 33.500 |
| 34.638 | 23.945 | 1.025 | |
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| 153.028 | 41768.855 | 50946.426 | 33.506 |
| 34.644 | 23.941 | 1.025 | |
| 10/14/2016 9:45:00 PM | 171900.000 | 67.969 | 15.566 |
| 153.106 | 41780.707 | 50963.289 | 33.518 |
| 34.655 | 23.934 | 1.025 | |
| 10/14/2016 10:00:00 PM | 172800.000 | 67.976 | 15.564 |
| 153.123 | 41789.965 | 50977.000 | 33.528 |
| 34.664 | 23.929 | 1.025 | |
| 10/14/2016 10:15:00 PM | 173700.000 | 67.987 | 15.563 |
| 153.147 | 41827.570 | 51024.125 | 33.563 |
| 34.696 | 23.908 | 1.025 | |
| 10/14/2016 10:30:00 PM | 174600.000 | 67.996 | 15.562 |
| 153.169 | 41809.508 | 51003.766 | 33.547 |
| 34.683 | 23.918 | 1.025 | |
| 10/14/2016 10:45:00 PM | 175500.000 | 67.999 | 15.561 |
| 153.174 | 41777.508 | 50965.465 | 33.519 |
| 34.657 | 23.936 | 1.025 | |
| 10/14/2016 11:00:00 PM | 176400.000 | 68.025 | 15.558 |
| 153.234 | 41774.074 | 50964.734 | 33.519 |
| 34.656 | 23.938 | 1.025 | |
| 10/14/2016 11:15:00 PM | 177300.000 | 68.020 | 15.559 |
| 153.222 | 41771.855 | 50961.504 | 33.516 |
| 34.654 | 23.940 | 1.025 | |
| 10/14/2016 11:30:00 PM | 178200.000 | 68.034 | 15.558 |
| 153.254 | 41784.148 | 50977.652 | 33.528 |
| 34.665 | 23.933 | 1.025 | |
| 10/14/2016 11:45:00 PM | 179100.000 | 68.022 | 15.556 |
| 153.225 | 41762.395 | 50953.840 | 33.510 |
| 34.649 | 23.945 | 1.025 | |
| 10/15/2016 12:00:00 AM | 180000.000 | 68.010 | 15.555 |
| 153.199 | 41784.625 | 50981.598 | 33.531 |
| 34.667 | 23.932 | 1.025 | |
| 10/15/2016 12:15:00 AM | 180900.000 | 68.018 | 15.554 |
| 153.217 | 41782.410 | 50980.672 | 33.530 |
| 34.667 | 23.934 | 1.025 | |
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| 34.670 | 23.932 | 1.025 | |
| 10/15/2016 12:45:00 AM | 182700.000 | 68.006 | 15.553 |
| 153.191 | 41806.504 | 51011.016 | 33.552 |
| 34.687 | 23.920 | 1.025 | |
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| 153.157 | 41786.672 | 50987.855 | 33.535 |
| 34.672 | 23.931 | 1.025 | |
| 10/15/2016 1:15:00 AM | 184500.000 | 67.965 | 15.552 |
| 153.097 | 41762.508 | 50957.855 | 33.513 |
| 34.651 | 23.945 | 1.025 | |
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| 153.120 | 41751.637 | 50944.906 | 33.503 |
| 34.643 | 23.951 | 1.025 | |
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| 153.055 | 41748.949 | 50941.945 | 33.501 |
| 34.641 | 23.953 | 1.025 | |
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| 153.027 | 41756.625 | 50950.996 | 33.508 |
| 34.647 | 23.948 | 1.025 | |
| 10/15/2016 2:15:00 AM | 188100.000 | 67.939 | 15.552 |
| 153.040 | 41766.250 | 50962.633 | 33.516 |
| 34.655 | 23.943 | 1.025 | |
| 10/15/2016 2:30:00 AM | 189000.000 | 67.926 | 15.552 |
| 153.010 | 41793.082 | 50995.262 | 33.540 |
| 34.677 | 23.927 | 1.025 | |
| 10/15/2016 2:45:00 AM | 189900.000 | 67.927 | 15.553 |
| 153.012 | 41746.535 | 50937.840 | 33.498 |
| 34.638 | 23.954 | 1.025 | |
| 10/15/2016 3:00:00 AM | 190800.000 | 67.921 | 15.553 |
| 152.998 | 41796.559 | 50998.254 | 33.543 |
| 34.679 | 23.925 | 1.025 | |
| 10/15/2016 3:15:00 AM | 191700.000 | 67.900 | 15.554 |
| 152.951 | 41767.719 | 50962.637 | 33.517 |
| 34.655 | 23.942 | 1.025 | |
| 10/15/2016 3:30:00 AM | 192600.000 | 67.881 | 15.554 |
| 152.908 | 41802.199 | 51004.707 | 33.548 |
| 34.683 | 23.922 | 1.025 | |
| 10/15/2016 3:45:00 AM | 193500.000 | 67.879 | 15.554 |
| 152.904 | 41736.555 | 50924.613 | 33.489 |
| 34.629 | 23.960 | 1.025 | |
| 10/15/2016 4:00:00 AM | 194400.000 | 67.870 | 15.554 |
| 152.883 | 41750.895 | 50941.383 | 33.501 |
| 34.640 | 23.952 | 1.025 | |
| 10/15/2016 4:15:00 AM | 195300.000 | 67.889 | 15.555 |
| 152.926 | 41750.035 | 50939.801 | 33.500 |
| 34.639 | 23.952 | 1.025 | |
| 10/15/2016 4:30:00 AM | 196200.000 | 67.861 | 15.555 |
| 152.863 | 41753.633 | 50943.875 | 33.503 |
| 34.642 | 23.950 | 1.025 | |
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| 152.837 | 41775.574 | 50969.711 | 33.522 |
| 34.659 | 23.937 | 1.025 | |
| 10/15/2016 5:00:00 AM | 198000.000 | 67.856 | 15.555 |
| 152.852 | 41762.270 | 50954.211 | 33.511 |
| 34.649 | 23.945 | 1.025 | |

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| 10/15/2016 5:15:00 AM | 198900.000 | 67.858 | 15.556 |
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| 34.651 | 23.943 | 1.025 | |
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| 152.820 | 41770.270 | 50962.922 | 33.517 |
| 34.655 | 23.940 | 1.025 | |
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| 152.865 | 41793.996 | 50991.871 | 33.538 |
| 34.674 | 23.927 | 1.025 | |
| 10/15/2016 6:00:00 AM | 201600.000 | 67.857 | 15.557 |
| 152.853 | 41745.457 | 50931.809 | 33.494 |
| 34.634 | 23.955 | 1.025 | |
| 10/15/2016 6:15:00 AM | 202500.000 | 67.830 | 15.557 |
| 152.793 | 41777.539 | 50970.742 | 33.523 |
| 34.660 | 23.936 | 1.025 | |
| 10/15/2016 6:30:00 AM | 203400.000 | 67.858 | 15.556 |
| 152.856 | 41755.188 | 50944.418 | 33.503 |
| 34.642 | 23.949 | 1.025 | |
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| 152.878 | 41720.223 | 50901.227 | 33.472 |
| 34.613 | 23.969 | 1.025 | |
| 10/15/2016 7:00:00 AM | 205200.000 | 67.881 | 15.557 |
| 152.908 | 41773.066 | 50965.602 | 33.519 |
| 34.657 | 23.939 | 1.025 | |
| 10/15/2016 7:15:00 AM | 206100.000 | 67.874 | 15.557 |
| 152.892 | 41764.801 | 50955.715 | 33.512 |
| 34.650 | 23.944 | 1.025 | |
| 10/15/2016 7:30:00 AM | 207000.000 | 67.896 | 15.556 |
| 152.942 | 41714.145 | 50894.344 | 33.467 |
| 34.608 | 23.973 | 1.025 | |
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| 34.657 | 23.939 | 1.025 | |
| 10/15/2016 8:00:00 AM | 208800.000 | 67.917 | 15.556 |
| 152.989 | 41774.949 | 50968.730 | 33.521 |
| 34.659 | 23.938 | 1.025 | |
| 10/15/2016 8:15:00 AM | 209700.000 | 67.931 | 15.555 |
| 153.021 | 41747.836 | 50936.395 | 33.497 |
| 34.637 | 23.953 | 1.025 | |
| 10/15/2016 8:30:00 AM | 210600.000 | 67.933 | 15.555 |
| 153.025 | 41797.969 | 50998.285 | 33.543 |
| 34.679 | 23.925 | 1.025 | |
| 10/15/2016 8:45:00 AM | 211500.000 | 67.961 | 15.554 |
| 153.089 | 41771.766 | 50967.254 | 33.520 |
| 34.658 | 23.940 | 1.025 | |
| 10/15/2016 9:00:00 AM | 212400.000 | 67.985 | 15.553 |
| 153.143 | 41780.625 | 50978.602 | 33.528 |
| 34.665 | 23.935 | 1.025 | |
| 10/15/2016 9:15:00 AM | 213300.000 | 67.984 | 15.553 |
| 153.141 | 41761.797 | 50956.672 | 33.512 |
| 34.651 | 23.945 | 1.025 | |
| 10/15/2016 9:30:00 AM | 214200.000 | 68.011 | 15.551 |
| 153.201 | 41791.816 | 50994.660 | 33.540 |
| 34.676 | 23.928 | 1.025 | |
| 10/15/2016 9:45:00 AM | 215100.000 | 68.041 | 15.550 |
| 153.269 | 41762.855 | 50961.207 | 33.515 |

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| 34.654 | 23.945 | 1.025 | |
| 10/15/2016 10:00:00 AM | 216000.000 | 68.058 | 15.548 |
| 153.307 | 41748.707 | 50945.922 | 33.504 |
| 34.643 | 23.953 | 1.025 | |
| 10/15/2016 10:15:00 AM | 216900.000 | 68.080 | 15.547 |
| 153.358 | 41721.441 | 50914.027 | 33.480 |
| 34.622 | 23.968 | 1.025 | |
| 10/15/2016 10:30:00 AM | 217800.000 | 68.111 | 15.546 |
| 153.426 | 41762.461 | 50965.555 | 33.518 |
| 34.657 | 23.945 | 1.025 | |
| 10/15/2016 10:45:00 AM | 218700.000 | 68.124 | 15.545 |
| 153.456 | 41757.504 | 50961.074 | 33.515 |
| 34.654 | 23.948 | 1.025 | |
| 10/15/2016 11:00:00 AM | 219600.000 | 68.138 | 15.543 |
| 153.488 | 41760.645 | 50967.008 | 33.519 |
| 34.658 | 23.946 | 1.025 | |
| 10/15/2016 11:15:00 AM | 220500.000 | 68.136 | 15.541 |
| 153.484 | 41773.184 | 50984.727 | 33.532 |
| 34.670 | 23.939 | 1.025 | |
| 10/15/2016 11:30:00 AM | 221400.000 | 68.147 | 15.540 |
| 153.508 | 41738.477 | 50943.613 | 33.502 |
| 34.642 | 23.959 | 1.025 | |
| 10/15/2016 11:45:00 AM | 222300.000 | 68.167 | 15.538 |
| 153.554 | 41734.918 | 50941.039 | 33.500 |
| 34.640 | 23.961 | 1.025 | |
| 10/15/2016 12:00:00 PM | 223200.000 | 68.148 | 15.536 |
| 153.510 | 41788.547 | 51008.492 | 33.549 |
| 34.686 | 23.930 | 1.025 | |
| 10/15/2016 12:15:00 PM | 224100.000 | 68.167 | 15.536 |
| 153.552 | 41759.801 | 50974.566 | 33.524 |
| 34.663 | 23.946 | 1.025 | |
| 10/15/2016 12:30:00 PM | 225000.000 | 68.136 | 15.535 |
| 153.484 | 41764.484 | 50981.113 | 33.529 |
| 34.667 | 23.944 | 1.025 | |
| 10/15/2016 12:45:00 PM | 225900.000 | 68.155 | 15.534 |
| 153.525 | 41744.289 | 50957.316 | 33.511 |
| 34.651 | 23.955 | 1.025 | |
| 10/15/2016 1:00:00 PM | 226800.000 | 68.148 | 15.533 |
| 153.510 | 41740.777 | 50953.961 | 33.509 |
| 34.649 | 23.957 | 1.025 | |
| 10/15/2016 1:15:00 PM | 227700.000 | 68.129 | 15.533 |
| 153.468 | 41781.426 | 51003.902 | 33.545 |
| 34.683 | 23.934 | 1.025 | |
| 10/15/2016 1:30:00 PM | 228600.000 | 68.111 | 15.533 |
| 153.427 | 41749.961 | 50965.086 | 33.517 |
| 34.656 | 23.952 | 1.025 | |
| 10/15/2016 1:45:00 PM | 229500.000 | 68.126 | 15.532 |
| 153.460 | 41743.344 | 50958.156 | 33.512 |
| 34.652 | 23.956 | 1.025 | |
| 10/15/2016 2:00:00 PM | 230400.000 | 68.096 | 15.532 |
| 153.393 | 41758.422 | 50976.664 | 33.525 |
| 34.664 | 23.947 | 1.025 | |
| 10/15/2016 2:15:00 PM | 231300.000 | 68.103 | 15.531 |
| 153.409 | 41746.824 | 50964.074 | 33.516 |
| 34.656 | 23.954 | 1.025 | |
| 10/15/2016 2:30:00 PM | 232200.000 | 68.055 | 15.532 |

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| 153.301 | 41775.273 | 50997.133 | 33.540 |
| 34.678 | 23.938 | 1.025 | |
| 10/15/2016 2:45:00 PM | 233100.000 | 68.037 | 15.533 |
| 153.261 | 41740.172 | 50953.336 | 33.508 |
| 34.648 | 23.958 | 1.025 | |
| 10/15/2016 3:00:00 PM | 234000.000 | 68.044 | 15.533 |
| 153.275 | 41750.488 | 50965.727 | 33.517 |
| 34.657 | 23.952 | 1.025 | |
| 10/15/2016 3:15:00 PM | 234900.000 | 68.023 | 15.534 |
| 153.230 | 41737.121 | 50949.191 | 33.505 |
| 34.645 | 23.959 | 1.025 | |
| 10/15/2016 3:30:00 PM | 235800.000 | 68.006 | 15.534 |
| 153.191 | 41719.160 | 50926.531 | 33.489 |
| 34.630 | 23.970 | 1.025 | |
| 10/15/2016 3:45:00 PM | 236700.000 | 68.004 | 15.535 |
| 153.186 | 41733.969 | 50943.984 | 33.501 |
| 34.642 | 23.961 | 1.025 | |
| 10/15/2016 4:00:00 PM | 237600.000 | 67.989 | 15.534 |
| 153.151 | 41722.801 | 50930.770 | 33.492 |
| 34.633 | 23.968 | 1.025 | |
| 10/15/2016 4:15:00 PM | 238500.000 | 67.972 | 15.535 |
| 153.114 | 41686.410 | 50885.297 | 33.458 |
| 34.602 | 23.989 | 1.025 | |
| 10/15/2016 4:30:00 PM | 239400.000 | 67.950 | 15.537 |
| 153.063 | 41747.453 | 50957.809 | 33.512 |
| 34.651 | 23.954 | 1.025 | |
| 10/15/2016 4:45:00 PM | 240300.000 | 67.950 | 15.537 |
| 153.065 | 41778.789 | 50996.055 | 33.540 |
| 34.677 | 23.936 | 1.025 | |
| 10/15/2016 5:00:00 PM | 241200.000 | 67.940 | 15.537 |
| 153.042 | 41751.105 | 50962.582 | 33.515 |
| 34.655 | 23.951 | 1.025 | |
| 10/15/2016 5:15:00 PM | 242100.000 | 67.948 | 15.539 |
| 153.059 | 41758.914 | 50969.813 | 33.521 |
| 34.659 | 23.947 | 1.025 | |
| 10/15/2016 5:30:00 PM | 243000.000 | 67.924 | 15.539 |
| 153.005 | 41754.414 | 50964.320 | 33.517 |
| 34.656 | 23.950 | 1.025 | |
| 10/15/2016 5:45:00 PM | 243900.000 | 67.914 | 15.539 |
| 152.982 | 41683.555 | 50876.887 | 33.453 |
| 34.596 | 23.990 | 1.025 | |
| 10/15/2016 6:00:00 PM | 244800.000 | 67.933 | 15.539 |
| 153.026 | 41723.504 | 50926.594 | 33.489 |
| 34.630 | 23.967 | 1.025 | |
| 10/15/2016 6:15:00 PM | 245700.000 | 67.923 | 15.539 |
| 153.003 | 41728.199 | 50931.289 | 33.492 |
| 34.633 | 23.965 | 1.025 | |
| 10/15/2016 6:30:00 PM | 246600.000 | 67.928 | 15.540 |
| 153.015 | 41718.301 | 50918.781 | 33.483 |
| 34.625 | 23.970 | 1.025 | |
| 10/15/2016 6:45:00 PM | 247500.000 | 67.919 | 15.540 |
| 152.995 | 41732.961 | 50936.262 | 33.496 |
| 34.637 | 23.962 | 1.025 | |
| 10/15/2016 7:00:00 PM | 248400.000 | 67.898 | 15.540 |
| 152.947 | 41725.766 | 50927.477 | 33.490 |
| 34.631 | 23.966 | 1.025 | |

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| 10/15/2016 7:15:00 PM | 249300.000 | 67.933 | 15.542 |
| 153.026 | 41719.242 | 50917.410 | 33.482 |
| 34.624 | 23.970 | 1.025 | |
| 10/15/2016 7:30:00 PM | 250200.000 | 67.939 | 15.541 |
| 153.039 | 41753.363 | 50960.742 | 33.514 |
| 34.653 | 23.950 | 1.025 | |
| 10/15/2016 7:45:00 PM | 251100.000 | 67.931 | 15.542 |
| 153.021 | 41775.469 | 50986.453 | 33.533 |
| 34.671 | 23.937 | 1.025 | |
| 10/15/2016 8:00:00 PM | 252000.000 | 67.928 | 15.541 |
| 153.015 | 41743.164 | 50947.141 | 33.504 |
| 34.644 | 23.956 | 1.025 | |
| 10/15/2016 8:15:00 PM | 252900.000 | 67.949 | 15.541 |
| 153.062 | 41762.332 | 50970.938 | 33.522 |
| 34.660 | 23.945 | 1.025 | |
| 10/15/2016 8:30:00 PM | 253800.000 | 67.948 | 15.542 |
| 153.059 | 41749.531 | 50954.480 | 33.510 |
| 34.649 | 23.952 | 1.025 | |
| 10/15/2016 8:45:00 PM | 254700.000 | 67.942 | 15.541 |
| 153.046 | 41770.719 | 50980.773 | 33.529 |
| 34.667 | 23.940 | 1.025 | |
| 10/15/2016 9:00:00 PM | 255600.000 | 67.962 | 15.542 |
| 153.092 | 41742.086 | 50945.512 | 33.503 |
| 34.643 | 23.957 | 1.025 | |
| 10/15/2016 9:15:00 PM | 256500.000 | 67.969 | 15.541 |
| 153.106 | 41725.844 | 50926.203 | 33.489 |
| 34.630 | 23.966 | 1.025 | |
| 10/15/2016 9:30:00 PM | 257400.000 | 67.985 | 15.540 |
| 153.143 | 41753.641 | 50961.707 | 33.515 |
| 34.654 | 23.950 | 1.025 | |
| 10/15/2016 9:45:00 PM | 258300.000 | 68.002 | 15.541 |
| 153.182 | 41777.766 | 50990.406 | 33.536 |
| 34.673 | 23.936 | 1.025 | |
| 10/15/2016 10:00:00 PM | 259200.000 | 68.008 | 15.540 |
| 153.194 | 41765.371 | 50975.816 | 33.525 |
| 34.664 | 23.943 | 1.025 | |
| 10/15/2016 10:15:00 PM | 260100.000 | 68.023 | 15.539 |
| 153.229 | 41773.867 | 50987.117 | 33.533 |
| 34.671 | 23.938 | 1.025 | |
| 10/15/2016 10:30:00 PM | 261000.000 | 68.025 | 15.538 |
| 153.233 | 41718.301 | 50920.664 | 33.485 |
| 34.626 | 23.970 | 1.025 | |
| 10/15/2016 10:45:00 PM | 261900.000 | 68.055 | 15.537 |
| 153.299 | 41781.832 | 50999.156 | 33.542 |
| 34.679 | 23.934 | 1.025 | |
| 10/15/2016 11:00:00 PM | 262800.000 | 68.057 | 15.537 |
| 153.305 | 41734.711 | 50941.637 | 33.500 |
| 34.640 | 23.961 | 1.025 | |
| 10/15/2016 11:15:00 PM | 263700.000 | 68.068 | 15.536 |
| 153.330 | 41740.742 | 50950.457 | 33.506 |
| 34.646 | 23.957 | 1.025 | |
| 10/15/2016 11:30:00 PM | 264600.000 | 68.083 | 15.536 |
| 153.363 | 41742.895 | 50953.816 | 33.509 |
| 34.649 | 23.956 | 1.025 | |
| 10/15/2016 11:45:00 PM | 265500.000 | 68.106 | 15.535 |
| 153.416 | 41751.352 | 50964.668 | 33.517 |

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| 34.656 | 23.951 | 1.025 | |
| 10/16/2016 12:00:00 AM | 266400.000 | 68.110 | 15.533 |
| 153.425 | 41744.691 | 50958.531 | 33.512 |
| 34.652 | 23.955 | 1.025 | |
| 10/16/2016 12:15:00 AM | 267300.000 | 68.102 | 15.533 |
| 153.406 | 41744.613 | 50959.391 | 33.513 |
| 34.652 | 23.955 | 1.025 | |
| 10/16/2016 12:30:00 AM | 268200.000 | 68.088 | 15.531 |
| 153.374 | 41783.758 | 51008.844 | 33.549 |
| 34.686 | 23.933 | 1.025 | |
| 10/16/2016 12:45:00 AM | 269100.000 | 68.110 | 15.531 |
| 153.425 | 41692.570 | 50897.840 | 33.467 |
| 34.611 | 23.985 | 1.025 | |
| 10/16/2016 1:00:00 AM | 270000.000 | 68.094 | 15.530 |
| 153.388 | 41709.828 | 50919.852 | 33.483 |
| 34.626 | 23.975 | 1.025 | |
| 10/16/2016 1:15:00 AM | 270900.000 | 68.103 | 15.530 |
| 153.408 | 41748.230 | 50967.457 | 33.518 |
| 34.658 | 23.953 | 1.025 | |
| 10/16/2016 1:30:00 AM | 271800.000 | 68.101 | 15.529 |
| 153.404 | 41728.785 | 50944.668 | 33.501 |
| 34.642 | 23.964 | 1.025 | |
| 10/16/2016 1:45:00 AM | 272700.000 | 68.081 | 15.528 |
| 153.359 | 41727.305 | 50943.488 | 33.501 |
| 34.642 | 23.965 | 1.025 | |
| 10/16/2016 2:00:00 AM | 273600.000 | 68.060 | 15.528 |
| 153.313 | 41720.465 | 50935.988 | 33.495 |
| 34.636 | 23.969 | 1.025 | |
| 10/16/2016 2:15:00 AM | 274500.000 | 68.062 | 15.529 |
| 153.317 | 41757.949 | 50980.586 | 33.528 |
| 34.667 | 23.948 | 1.025 | |
| 10/16/2016 2:30:00 AM | 275400.000 | 68.060 | 15.528 |
| 153.312 | 41713.199 | 50926.379 | 33.488 |
| 34.630 | 23.973 | 1.025 | |
| 10/16/2016 2:45:00 AM | 276300.000 | 68.053 | 15.528 |
| 153.296 | 41711.922 | 50925.027 | 33.487 |
| 34.629 | 23.974 | 1.025 | |
| 10/16/2016 3:00:00 AM | 277200.000 | 68.043 | 15.528 |
| 153.275 | 41739.418 | 50958.594 | 33.512 |
| 34.652 | 23.958 | 1.025 | |
| 10/16/2016 3:15:00 AM | 278100.000 | 68.031 | 15.528 |
| 153.246 | 41757.289 | 50980.621 | 33.528 |
| 34.667 | 23.948 | 1.025 | |
| 10/16/2016 3:30:00 AM | 279000.000 | 68.008 | 15.530 |
| 153.195 | 41715.605 | 50927.738 | 33.489 |
| 34.631 | 23.972 | 1.025 | |
| 10/16/2016 3:45:00 AM | 279900.000 | 68.006 | 15.529 |
| 153.190 | 41708.652 | 50920.309 | 33.484 |
| 34.626 | 23.976 | 1.025 | |
| 10/16/2016 4:00:00 AM | 280800.000 | 67.983 | 15.529 |
| 153.138 | 41741.133 | 50959.328 | 33.512 |
| 34.652 | 23.957 | 1.025 | |
| 10/16/2016 4:15:00 AM | 281700.000 | 67.999 | 15.530 |
| 153.174 | 41731.344 | 50946.637 | 33.503 |
| 34.644 | 23.963 | 1.025 | |
| 10/16/2016 4:30:00 AM | 282600.000 | 67.967 | 15.531 |

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| 153.101 | 41713.324 | 50923.289 | 33.486 |
| 34.628 | 23.973 | 1.025 | |
| 10/16/2016 4:45:00 AM | 283500.000 | 67.971 | 15.530 |
| 153.110 | 41721.984 | 50934.789 | 33.494 |
| 34.636 | 23.968 | 1.025 | |
| 10/16/2016 5:00:00 AM | 284400.000 | 67.953 | 15.531 |
| 153.070 | 41712.586 | 50922.277 | 33.485 |
| 34.627 | 23.974 | 1.025 | |
| 10/16/2016 5:15:00 AM | 285300.000 | 67.953 | 15.531 |
| 153.071 | 41716.672 | 50927.465 | 33.489 |
| 34.631 | 23.971 | 1.025 | |
| 10/16/2016 5:30:00 AM | 286200.000 | 67.950 | 15.531 |
| 153.063 | 41775.980 | 50999.461 | 33.542 |
| 34.680 | 23.937 | 1.025 | |
| 10/16/2016 5:45:00 AM | 287100.000 | 67.947 | 15.532 |
| 153.057 | 41749.160 | 50965.773 | 33.517 |
| 34.657 | 23.953 | 1.025 | |
| 10/16/2016 6:00:00 AM | 288000.000 | 67.956 | 15.532 |
| 153.077 | 41734.117 | 50947.926 | 33.504 |
| 34.645 | 23.961 | 1.025 | |
| 10/16/2016 6:15:00 AM | 288900.000 | 67.938 | 15.533 |
| 153.036 | 41722.188 | 50931.590 | 33.492 |
| 34.633 | 23.968 | 1.025 | |
| 10/16/2016 6:30:00 AM | 289800.000 | 67.961 | 15.532 |
| 153.089 | 41717.715 | 50927.586 | 33.489 |
| 34.631 | 23.971 | 1.025 | |
| 10/16/2016 6:45:00 AM | 290700.000 | 67.951 | 15.533 |
| 153.067 | 41725.520 | 50935.449 | 33.495 |
| 34.636 | 23.966 | 1.025 | |
| 10/16/2016 7:00:00 AM | 291600.000 | 67.957 | 15.533 |
| 153.080 | 41700.844 | 50905.434 | 33.473 |
| 34.616 | 23.980 | 1.025 | |
| 10/16/2016 7:15:00 AM | 292500.000 | 67.946 | 15.533 |
| 153.055 | 41732.906 | 50944.574 | 33.502 |
| 34.642 | 23.962 | 1.025 | |
| 10/16/2016 7:30:00 AM | 293400.000 | 67.967 | 15.533 |
| 153.103 | 41739.402 | 50952.809 | 33.508 |
| 34.648 | 23.958 | 1.025 | |
| 10/16/2016 7:45:00 AM | 294300.000 | 67.976 | 15.533 |
| 153.122 | 41722.281 | 50932.129 | 33.493 |
| 34.634 | 23.968 | 1.025 | |
| 10/16/2016 8:00:00 AM | 295200.000 | 67.988 | 15.532 |
| 153.150 | 41720.184 | 50929.883 | 33.491 |
| 34.632 | 23.969 | 1.025 | |
| 10/16/2016 8:15:00 AM | 296100.000 | 67.980 | 15.532 |
| 153.132 | 41729.117 | 50941.309 | 33.499 |
| 34.640 | 23.964 | 1.025 | |
| 10/16/2016 8:30:00 AM | 297000.000 | 68.001 | 15.533 |
| 153.178 | 41723.207 | 50933.148 | 33.493 |
| 34.635 | 23.967 | 1.025 | |
| 10/16/2016 8:45:00 AM | 297900.000 | 68.022 | 15.531 |
| 153.225 | 41740.031 | 50955.461 | 33.510 |
| 34.650 | 23.958 | 1.025 | |
| 10/16/2016 9:00:00 AM | 298800.000 | 68.037 | 15.531 |
| 153.261 | 41732.883 | 50947.055 | 33.503 |
| 34.644 | 23.962 | 1.025 | |

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| 10/16/2016 9:15:00 AM | 299700.000 | 68.065 | 15.531 |
| 153.322 | 41743.469 | 50959.656 | 33.513 |
| 34.653 | 23.956 | 1.025 | |
| 10/16/2016 9:30:00 AM | 300600.000 | 68.064 | 15.530 |
| 153.321 | 41734.953 | 50951.160 | 33.506 |
| 34.647 | 23.961 | 1.025 | |
| 10/16/2016 9:45:00 AM | 301500.000 | 68.096 | 15.529 |
| 153.393 | 41760.563 | 50982.941 | 33.530 |
| 34.668 | 23.946 | 1.025 | |
| 10/16/2016 10:00:00 AM | 302400.000 | 68.104 | 15.528 |
| 153.410 | 41711.074 | 50924.297 | 33.486 |
| 34.629 | 23.974 | 1.025 | |
| 10/16/2016 10:15:00 AM | 303300.000 | 68.154 | 15.527 |
| 153.522 | 41706.695 | 50919.906 | 33.483 |
| 34.626 | 23.977 | 1.025 | |
| 10/16/2016 10:30:00 AM | 304200.000 | 68.163 | 15.526 |
| 153.543 | 41750.617 | 50975.105 | 33.524 |
| 34.663 | 23.952 | 1.025 | |
| 10/16/2016 10:45:00 AM | 305100.000 | 68.173 | 15.524 |
| 153.565 | 41706.137 | 50922.465 | 33.485 |
| 34.627 | 23.977 | 1.025 | |
| 10/16/2016 11:00:00 AM | 306000.000 | 68.210 | 15.523 |
| 153.649 | 41708.496 | 50926.805 | 33.488 |
| 34.630 | 23.976 | 1.025 | |
| 10/16/2016 11:15:00 AM | 306900.000 | 68.208 | 15.522 |
| 153.644 | 41732.066 | 50957.164 | 33.510 |
| 34.651 | 23.962 | 1.025 | |
| 10/16/2016 11:30:00 AM | 307800.000 | 68.224 | 15.521 |
| 153.681 | 41751.289 | 50981.695 | 33.528 |
| 34.668 | 23.951 | 1.025 | |
| 10/16/2016 11:45:00 AM | 308700.000 | 68.235 | 15.519 |
| 153.705 | 41709.578 | 50933.273 | 33.492 |
| 34.635 | 23.975 | 1.025 | |
| 10/16/2016 12:00:00 PM | 309600.000 | 68.250 | 15.518 |
| 153.741 | 41709.898 | 50935.031 | 33.494 |
| 34.636 | 23.975 | 1.025 | |
| 10/16/2016 12:15:00 PM | 310500.000 | 68.252 | 15.517 |
| 153.744 | 41765.762 | 51004.188 | 33.544 |
| 34.683 | 23.943 | 1.025 | |
| 10/16/2016 12:30:00 PM | 311400.000 | 68.245 | 15.514 |
| 153.729 | 41741.887 | 50978.289 | 33.525 |
| 34.665 | 23.957 | 1.025 | |
| 10/16/2016 12:45:00 PM | 312300.000 | 68.226 | 15.514 |
| 153.687 | 41720.941 | 50952.926 | 33.506 |
| 34.648 | 23.969 | 1.025 | |
| 10/16/2016 1:00:00 PM | 313200.000 | 68.217 | 15.513 |
| 153.666 | 41744.238 | 50982.223 | 33.528 |
| 34.668 | 23.955 | 1.025 | |
| 10/16/2016 1:15:00 PM | 314100.000 | 68.228 | 15.512 |
| 153.690 | 41686.914 | 50913.461 | 33.477 |
| 34.621 | 23.988 | 1.025 | |
| 10/16/2016 1:30:00 PM | 315000.000 | 68.237 | 15.512 |
| 153.711 | 41694.301 | 50922.688 | 33.484 |
| 34.627 | 23.984 | 1.025 | |
| 10/16/2016 1:45:00 PM | 315900.000 | 68.241 | 15.511 |
| 153.720 | 41701.922 | 50932.836 | 33.491 |

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| 34.634 | 23.980 | 1.025 | |
| 10/16/2016 2:00:00 PM | 316800.000 | 68.224 | 15.512 |
| 153.681 | 41689.141 | 50916.707 | 33.480 |
| 34.623 | 23.987 | 1.025 | |
| 10/16/2016 2:15:00 PM | 317700.000 | 68.213 | 15.511 |
| 153.656 | 41720.195 | 50955.152 | 33.508 |
| 34.650 | 23.969 | 1.025 | |
| 10/16/2016 2:30:00 PM | 318600.000 | 68.184 | 15.511 |
| 153.592 | 41685.582 | 50912.984 | 33.477 |
| 34.621 | 23.989 | 1.025 | |
| 10/16/2016 2:45:00 PM | 319500.000 | 68.182 | 15.511 |
| 153.586 | 41701.480 | 50933.031 | 33.492 |
| 34.634 | 23.980 | 1.025 | |
| 10/16/2016 3:00:00 PM | 320400.000 | 68.167 | 15.511 |
| 153.554 | 41696.902 | 50926.703 | 33.487 |
| 34.630 | 23.983 | 1.025 | |
| 10/16/2016 3:15:00 PM | 321300.000 | 68.148 | 15.511 |
| 153.510 | 41713.727 | 50947.566 | 33.502 |
| 34.644 | 23.973 | 1.025 | |
| 10/16/2016 3:30:00 PM | 322200.000 | 68.113 | 15.512 |
| 153.432 | 41666.707 | 50888.879 | 33.459 |
| 34.604 | 24.000 | 1.025 | |
| 10/16/2016 3:45:00 PM | 323100.000 | 68.095 | 15.512 |
| 153.392 | 41657.117 | 50876.855 | 33.450 |
| 34.596 | 24.006 | 1.025 | |
| 10/16/2016 4:00:00 PM | 324000.000 | 68.068 | 15.513 |
| 153.331 | 41721.602 | 50955.191 | 33.508 |
| 34.650 | 23.968 | 1.025 | |
| 10/16/2016 4:15:00 PM | 324900.000 | 68.069 | 15.514 |
| 153.333 | 41745.688 | 50983.457 | 33.529 |
| 34.669 | 23.955 | 1.025 | |
| 10/16/2016 4:30:00 PM | 325800.000 | 68.051 | 15.515 |
| 153.292 | 41698.438 | 50924.277 | 33.485 |
| 34.629 | 23.982 | 1.025 | |
| 10/16/2016 4:45:00 PM | 326700.000 | 68.013 | 15.515 |
| 153.205 | 41697.387 | 50922.262 | 33.484 |
| 34.627 | 23.982 | 1.025 | |
| 10/16/2016 5:00:00 PM | 327600.000 | 68.012 | 15.516 |
| 153.203 | 41723.793 | 50953.461 | 33.507 |
| 34.648 | 23.967 | 1.025 | |
| 10/16/2016 5:15:00 PM | 328500.000 | 67.987 | 15.517 |
| 153.148 | 41677.520 | 50896.523 | 33.465 |
| 34.610 | 23.994 | 1.025 | |
| 10/16/2016 5:30:00 PM | 329400.000 | 67.980 | 15.517 |
| 153.132 | 41720.289 | 50948.238 | 33.503 |
| 34.645 | 23.969 | 1.025 | |
| 10/16/2016 5:45:00 PM | 330300.000 | 67.950 | 15.518 |
| 153.065 | 41683.527 | 50902.613 | 33.470 |
| 34.614 | 23.990 | 1.025 | |
| 10/16/2016 6:00:00 PM | 331200.000 | 67.944 | 15.519 |
| 153.051 | 41743.352 | 50973.574 | 33.522 |
| 34.662 | 23.956 | 1.025 | |
| 10/16/2016 6:15:00 PM | 332100.000 | 67.927 | 15.520 |
| 153.013 | 41660.000 | 50871.375 | 33.447 |
| 34.593 | 24.004 | 1.025 | |
| 10/16/2016 6:30:00 PM | 333000.000 | 67.942 | 15.521 |

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|---|---|---|---|
| 153.046 | 41726.348 | 50951.340 | 33.506 |
| 34.647 | 23.966 | 1.025 | |
| 10/16/2016 6:45:00 PM | 333900.000 | 67.939 | 15.521 |
| 153.039 | 41683.453 | 50898.754 | 33.467 |
| 34.611 | 23.990 | 1.025 | |
| 10/16/2016 7:00:00 PM | 334800.000 | 67.919 | 15.522 |
| 152.994 | 41694.539 | 50911.141 | 33.476 |
| 34.620 | 23.984 | 1.025 | |
| 10/16/2016 7:15:00 PM | 335700.000 | 67.937 | 15.523 |
| 153.035 | 41740.004 | 50965.594 | 33.516 |
| 34.657 | 23.958 | 1.025 | |
| 10/16/2016 7:30:00 PM | 336600.000 | 67.931 | 15.523 |
| 153.021 | 41693.910 | 50908.598 | 33.475 |
| 34.618 | 23.984 | 1.025 | |
| 10/16/2016 7:45:00 PM | 337500.000 | 67.920 | 15.523 |
| 152.997 | 41699.969 | 50916.082 | 33.480 |
| 34.623 | 23.981 | 1.025 | |
| 10/16/2016 8:00:00 PM | 338400.000 | 67.949 | 15.524 |
| 153.062 | 41716.395 | 50935.418 | 33.494 |
| 34.636 | 23.971 | 1.025 | |
| 10/16/2016 8:15:00 PM | 339300.000 | 67.927 | 15.524 |
| 153.013 | 41705.563 | 50921.664 | 33.484 |
| 34.627 | 23.978 | 1.025 | |
| 10/16/2016 8:30:00 PM | 340200.000 | 67.931 | 15.525 |
| 153.021 | 41684.297 | 50895.164 | 33.465 |
| 34.609 | 23.990 | 1.025 | |
| 10/16/2016 8:45:00 PM | 341100.000 | 67.934 | 15.524 |
| 153.027 | 41702.406 | 50917.910 | 33.481 |
| 34.624 | 23.979 | 1.025 | |
| 10/16/2016 9:00:00 PM | 342000.000 | 67.931 | 15.524 |
| 153.020 | 41702.992 | 50918.625 | 33.482 |
| 34.625 | 23.979 | 1.025 | |
| 10/16/2016 9:15:00 PM | 342900.000 | 67.963 | 15.525 |
| 153.093 | 41686.777 | 50897.895 | 33.467 |
| 34.611 | 23.988 | 1.025 | |
| 10/16/2016 9:30:00 PM | 343800.000 | 67.951 | 15.525 |
| 153.066 | 41703.227 | 50918.277 | 33.482 |
| 34.624 | 23.979 | 1.025 | |
| 10/16/2016 9:45:00 PM | 344700.000 | 67.958 | 15.526 |
| 153.083 | 41694.473 | 50906.656 | 33.473 |
| 34.617 | 23.984 | 1.025 | |
| 10/16/2016 10:00:00 PM | 345600.000 | 67.958 | 15.525 |
| 153.082 | 41715.922 | 50934.004 | 33.493 |
| 34.635 | 23.972 | 1.025 | |
| 10/16/2016 10:15:00 PM | 346500.000 | 67.998 | 15.524 |
| 153.172 | 41712.734 | 50930.313 | 33.491 |
| 34.633 | 23.973 | 1.025 | |
| 10/16/2016 10:30:00 PM | 347400.000 | 67.979 | 15.524 |
| 153.130 | 41668.953 | 50877.688 | 33.452 |
| 34.597 | 23.999 | 1.025 | |
| 10/16/2016 10:45:00 PM | 348300.000 | 68.010 | 15.524 |
| 153.200 | 41675.156 | 50885.164 | 33.457 |
| 34.602 | 23.995 | 1.025 | |
| 10/16/2016 11:00:00 PM | 349200.000 | 67.994 | 15.523 |
| 153.164 | 41720.680 | 50941.281 | 33.499 |
| 34.640 | 23.969 | 1.025 | |

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|---|---|---|---|
| 10/16/2016 11:15:00 PM | 350100.000 | 68.017 | 15.524 |
| 153.215 | 41694.270 | 50908.598 | 33.475 |
| 34.618 | 23.984 | 1.025 | |
| 10/16/2016 11:30:00 PM | 351000.000 | 68.013 | 15.523 |
| 153.207 | 41697.730 | 50913.777 | 33.478 |
| 34.621 | 23.982 | 1.025 | |
| 10/16/2016 11:45:00 PM | 351900.000 | 68.043 | 15.522 |
| 153.275 | 41679.676 | 50893.090 | 33.463 |
| 34.607 | 23.993 | 1.025 | |
| 10/17/2016 12:00:00 AM | 352800.000 | 68.047 | 15.522 |
| 153.283 | 41678.824 | 50891.637 | 33.462 |
| 34.606 | 23.993 | 1.025 | |
| 10/17/2016 12:15:00 AM | 353700.000 | 68.026 | 15.521 |
| 153.235 | 41708.668 | 50928.906 | 33.489 |
| 34.632 | 23.976 | 1.025 | |
| 10/17/2016 12:30:00 AM | 354600.000 | 68.053 | 15.521 |
| 153.296 | 41683.383 | 50898.777 | 33.467 |
| 34.611 | 23.990 | 1.025 | |
| 10/17/2016 12:45:00 AM | 355500.000 | 68.028 | 15.521 |
| 153.240 | 41683.641 | 50898.984 | 33.467 |
| 34.611 | 23.990 | 1.025 | |
| 10/17/2016 1:00:00 AM | 356400.000 | 68.050 | 15.520 |
| 153.290 | 41692.926 | 50911.582 | 33.476 |
| 34.620 | 23.985 | 1.025 | |
| 10/17/2016 1:15:00 AM | 357300.000 | 68.041 | 15.520 |
| 153.269 | 41704.492 | 50925.602 | 33.487 |
| 34.629 | 23.978 | 1.025 | |
| 10/17/2016 1:30:00 AM | 358200.000 | 68.038 | 15.519 |
| 153.261 | 41695.945 | 50916.316 | 33.480 |
| 34.623 | 23.983 | 1.025 | |
| 10/17/2016 1:45:00 AM | 359100.000 | 68.016 | 15.519 |
| 153.212 | 41655.359 | 50866.340 | 33.443 |
| 34.589 | 24.007 | 1.025 | |
| 10/17/2016 2:00:00 AM | 360000.000 | 68.011 | 15.519 |
| 153.200 | 41690.496 | 50909.555 | 33.475 |
| 34.618 | 23.986 | 1.025 | |
| 10/17/2016 2:15:00 AM | 360900.000 | 68.006 | 15.518 |
| 153.189 | 41699.246 | 50921.391 | 33.484 |
| 34.627 | 23.981 | 1.025 | |
| 10/17/2016 2:30:00 AM | 361800.000 | 68.012 | 15.519 |
| 153.203 | 41662.750 | 50875.563 | 33.450 |
| 34.595 | 24.002 | 1.025 | |
| 10/17/2016 2:45:00 AM | 362700.000 | 67.987 | 15.519 |
| 153.148 | 41701.473 | 50923.484 | 33.485 |
| 34.628 | 23.980 | 1.025 | |
| 10/17/2016 3:00:00 AM | 363600.000 | 67.974 | 15.518 |
| 153.118 | 41706.563 | 50929.809 | 33.490 |
| 34.632 | 23.977 | 1.025 | |
| 10/17/2016 3:15:00 AM | 364500.000 | 67.986 | 15.518 |
| 153.145 | 41657.359 | 50870.039 | 33.446 |
| 34.592 | 24.005 | 1.025 | |
| 10/17/2016 3:30:00 AM | 365400.000 | 67.958 | 15.519 |
| 153.083 | 41654.012 | 50865.211 | 33.442 |
| 34.588 | 24.007 | 1.025 | |
| 10/17/2016 3:45:00 AM | 366300.000 | 67.956 | 15.520 |
| 153.077 | 41714.785 | 50938.273 | 33.496 |

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|---|---|---|---|
| 34.638 | 23.972 | 1.025 | |
| 10/17/2016 4:00:00 AM | 367200.000 | 67.945 | 15.520 |
| 153.053 | 41678.230 | 50893.746 | 33.463 |
| 34.608 | 23.993 | 1.025 | |
| 10/17/2016 4:15:00 AM | 368100.000 | 67.953 | 15.521 |
| 153.070 | 41697.258 | 50915.719 | 33.480 |
| 34.623 | 23.982 | 1.025 | |
| 10/17/2016 4:30:00 AM | 369000.000 | 67.924 | 15.520 |
| 153.005 | 41658.738 | 50869.316 | 33.445 |
| 34.591 | 24.005 | 1.025 | |
| 10/17/2016 4:45:00 AM | 369900.000 | 67.930 | 15.521 |
| 153.019 | 41687.297 | 50903.031 | 33.470 |
| 34.614 | 23.988 | 1.025 | |
| 10/17/2016 5:00:00 AM | 370800.000 | 67.920 | 15.521 |
| 152.997 | 41708.848 | 50929.555 | 33.490 |
| 34.632 | 23.976 | 1.025 | |
| 10/17/2016 5:15:00 AM | 371700.000 | 67.898 | 15.521 |
| 152.947 | 41701.777 | 50920.609 | 33.483 |
| 34.626 | 23.980 | 1.025 | |
| 10/17/2016 5:30:00 AM | 372600.000 | 67.891 | 15.522 |
| 152.931 | 41704.805 | 50922.941 | 33.485 |
| 34.628 | 23.978 | 1.025 | |
| 10/17/2016 5:45:00 AM | 373500.000 | 67.905 | 15.523 |
| 152.962 | 41669.316 | 50879.508 | 33.453 |
| 34.598 | 23.998 | 1.025 | |
| 10/17/2016 6:00:00 AM | 374400.000 | 67.899 | 15.523 |
| 152.949 | 41705.598 | 50923.699 | 33.486 |
| 34.628 | 23.978 | 1.025 | |
| 10/17/2016 6:15:00 AM | 375300.000 | 67.877 | 15.523 |
| 152.900 | 41693.172 | 50908.527 | 33.474 |
| 34.618 | 23.985 | 1.025 | |
| 10/17/2016 6:30:00 AM | 376200.000 | 67.889 | 15.523 |
| 152.926 | 41666.270 | 50874.938 | 33.450 |
| 34.595 | 24.000 | 1.025 | |
| 10/17/2016 6:45:00 AM | 377100.000 | 67.876 | 15.524 |
| 152.897 | 41699.188 | 50914.301 | 33.479 |
| 34.622 | 23.981 | 1.025 | |
| 10/17/2016 7:00:00 AM | 378000.000 | 67.892 | 15.524 |
| 152.933 | 41678.313 | 50888.813 | 33.460 |
| 34.604 | 23.993 | 1.025 | |
| 10/17/2016 7:15:00 AM | 378900.000 | 67.873 | 15.524 |
| 152.891 | 41648.867 | 50852.746 | 33.434 |
| 34.580 | 24.010 | 1.025 | |
| 10/17/2016 7:30:00 AM | 379800.000 | 67.898 | 15.525 |
| 152.948 | 41691.680 | 50903.664 | 33.471 |
| 34.614 | 23.986 | 1.025 | |
| 10/17/2016 7:45:00 AM | 380700.000 | 67.905 | 15.524 |
| 152.962 | 41662.176 | 50868.473 | 33.445 |
| 34.591 | 24.003 | 1.025 | |
| 10/17/2016 8:00:00 AM | 381600.000 | 67.887 | 15.525 |
| 152.922 | 41668.934 | 50876.109 | 33.451 |
| 34.596 | 23.999 | 1.025 | |
| 10/17/2016 8:15:00 AM | 382500.000 | 67.898 | 15.525 |
| 152.947 | 41677.332 | 50886.461 | 33.458 |
| 34.603 | 23.994 | 1.025 | |
| 10/17/2016 8:30:00 AM | 383400.000 | 67.912 | 15.525 |

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|---|---|---|---|
| 152.978 | 41670.273 | 50877.742 | 33.452 |
| 34.597 | 23.998 | 1.025 | |
| 10/17/2016 8:45:00 AM | 384300.000 | 67.918 | 15.525 |
| 152.992 | 41649.246 | 50852.070 | 33.433 |
| 34.579 | 24.010 | 1.025 | |
| 10/17/2016 9:00:00 AM | 385200.000 | 67.951 | 15.525 |
| 153.066 | 41674.496 | 50883.199 | 33.456 |
| 34.601 | 23.995 | 1.025 | |
| 10/17/2016 9:15:00 AM | 386100.000 | 67.966 | 15.526 |
| 153.101 | 41722.531 | 50940.598 | 33.498 |
| 34.640 | 23.968 | 1.025 | |
| 10/17/2016 9:30:00 AM | 387000.000 | 67.964 | 15.524 |
| 153.095 | 41683.566 | 50895.434 | 33.465 |
| 34.609 | 23.990 | 1.025 | |
| 10/17/2016 9:45:00 AM | 387900.000 | 67.976 | 15.524 |
| 153.124 | 41672.332 | 50882.023 | 33.455 |
| 34.600 | 23.997 | 1.025 | |
| 10/17/2016 10:00:00 AM | 388800.000 | 67.976 | 15.523 |
| 153.123 | 41652.262 | 50858.258 | 33.438 |
| 34.584 | 24.008 | 1.025 | |
| 10/17/2016 10:15:00 AM | 389700.000 | 68.026 | 15.523 |
| 153.235 | 41698.984 | 50915.508 | 33.480 |
| 34.623 | 23.981 | 1.025 | |
| 10/17/2016 10:30:00 AM | 390600.000 | 68.029 | 15.521 |
| 153.241 | 41654.852 | 50863.098 | 33.441 |
| 34.587 | 24.007 | 1.025 | |
| 10/17/2016 10:45:00 AM | 391500.000 | 68.019 | 15.521 |
| 153.220 | 41666.973 | 50878.629 | 33.452 |
| 34.597 | 24.000 | 1.025 | |
| 10/17/2016 11:00:00 AM | 392400.000 | 68.048 | 15.520 |
| 153.285 | 41684.805 | 50901.027 | 33.469 |
| 34.613 | 23.990 | 1.025 | |
| 10/17/2016 11:15:00 AM | 393300.000 | 68.081 | 15.519 |
| 153.359 | 41723.492 | 50949.535 | 33.504 |
| 34.646 | 23.967 | 1.025 | |
| 10/17/2016 11:30:00 AM | 394200.000 | 68.093 | 15.518 |
| 153.386 | 41674.051 | 50890.723 | 33.461 |
| 34.606 | 23.996 | 1.025 | |
| 10/17/2016 11:45:00 AM | 395100.000 | 68.093 | 15.518 |
| 153.386 | 41670.789 | 50886.738 | 33.458 |
| 34.603 | 23.998 | 1.025 | |
| 10/17/2016 12:00:00 PM | 396000.000 | 68.094 | 15.515 |
| 153.387 | 41687.363 | 50910.125 | 33.475 |
| 34.619 | 23.988 | 1.025 | |
| 10/17/2016 12:15:00 PM | 396900.000 | 68.104 | 15.515 |
| 153.411 | 41681.496 | 50903.480 | 33.470 |
| 34.614 | 23.991 | 1.025 | |
| 10/17/2016 12:30:00 PM | 397800.000 | 68.133 | 15.514 |
| 153.477 | 41674.477 | 50896.488 | 33.465 |
| 34.610 | 23.996 | 1.025 | |
| 10/17/2016 12:45:00 PM | 398700.000 | 68.131 | 15.513 |
| 153.473 | 41664.402 | 50885.020 | 33.456 |
| 34.602 | 24.001 | 1.025 | |
| 10/17/2016 1:00:00 PM | 399600.000 | 68.124 | 15.512 |
| 153.457 | 41665.617 | 50887.656 | 33.458 |
| 34.604 | 24.001 | 1.025 | |

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|---|---|---|---|
| 10/17/2016 1:15:00 PM | 400500.000 | 68.148 | 15.511 |
| 153.510 | 41678.414 | 50904.125 | 33.470 |
| 34.615 | 23.993 | 1.025 | |
| 10/17/2016 1:30:00 PM | 401400.000 | 68.157 | 15.509 |
| 153.531 | 41646.570 | 50867.527 | 33.443 |
| 34.590 | 24.012 | 1.025 | |
| 10/17/2016 1:45:00 PM | 402300.000 | 68.122 | 15.509 |
| 153.451 | 41652.301 | 50874.953 | 33.449 |
| 34.595 | 24.008 | 1.025 | |
| 10/17/2016 2:00:00 PM | 403200.000 | 68.136 | 15.508 |
| 153.483 | 41644.785 | 50866.406 | 33.442 |
| 34.589 | 24.013 | 1.025 | |
| 10/17/2016 2:15:00 PM | 404100.000 | 68.142 | 15.507 |
| 153.496 | 41672.125 | 50901.262 | 33.468 |
| 34.613 | 23.997 | 1.025 | |
| 10/17/2016 2:30:00 PM | 405000.000 | 68.115 | 15.508 |
| 153.435 | 41669.277 | 50897.039 | 33.465 |
| 34.610 | 23.998 | 1.025 | |
| 10/17/2016 2:45:00 PM | 405900.000 | 68.094 | 15.507 |
| 153.389 | 41674.008 | 50903.359 | 33.469 |
| 34.614 | 23.996 | 1.025 | |
| 10/17/2016 3:00:00 PM | 406800.000 | 68.094 | 15.506 |
| 153.389 | 41676.898 | 50907.926 | 33.473 |
| 34.617 | 23.994 | 1.025 | |
| 10/17/2016 3:15:00 PM | 407700.000 | 68.092 | 15.508 |
| 153.384 | 41662.520 | 50888.902 | 33.459 |
| 34.604 | 24.002 | 1.025 | |
| 10/17/2016 3:30:00 PM | 408600.000 | 68.069 | 15.506 |
| 153.332 | 41873.012 | 51147.477 | 33.649 |
| 34.780 | 23.882 | 1.025 | |
| 10/17/2016 3:45:00 PM | 409500.000 | 68.058 | 15.506 |
| 153.307 | 41712.316 | 50951.094 | 33.504 |
| 34.647 | 23.974 | 1.025 | |
| 10/17/2016 4:00:00 PM | 410400.000 | 68.065 | 15.507 |
| 153.324 | 41770.000 | 51020.492 | 33.556 |
| 34.694 | 23.941 | 1.025 | |
| 10/17/2016 4:15:00 PM | 411300.000 | 68.019 | 15.508 |
| 153.220 | 41702.301 | 50937.285 | 33.494 |
| 34.637 | 23.979 | 1.025 | |
| 10/17/2016 4:30:00 PM | 412200.000 | 68.019 | 15.509 |
| 153.220 | 41765.809 | 51013.695 | 33.551 |
| 34.689 | 23.943 | 1.025 | |
| 10/17/2016 4:45:00 PM | 413100.000 | 67.989 | 15.509 |
| 153.151 | 41698.617 | 50931.723 | 33.490 |
| 34.634 | 23.982 | 1.025 | |
| 10/17/2016 5:00:00 PM | 414000.000 | 67.999 | 15.509 |
| 153.174 | 41725.016 | 50964.188 | 33.514 |
| 34.656 | 23.966 | 1.025 | |
| 10/17/2016 5:15:00 PM | 414900.000 | 67.972 | 15.510 |
| 153.113 | 41682.293 | 50909.809 | 33.474 |
| 34.619 | 23.991 | 1.025 | |
| 10/17/2016 5:30:00 PM | 415800.000 | 67.956 | 15.511 |
| 153.077 | 41654.039 | 50875.086 | 33.449 |
| 34.595 | 24.007 | 1.025 | |
| 10/17/2016 5:45:00 PM | 416700.000 | 67.944 | 15.511 |
| 153.050 | 41669.031 | 50892.453 | 33.462 |

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|---|---|---|---|
| 34.607 | 23.999 | 1.025 | |
| 10/17/2016 6:00:00 PM | 417600.000 | 67.927 | 15.511 |
| 153.012 | 41640.598 | 50857.625 | 33.436 |
| 34.583 | 24.015 | 1.025 | |
| 10/17/2016 6:15:00 PM | 418500.000 | 67.925 | 15.512 |
| 153.008 | 41655.965 | 50875.867 | 33.450 |
| 34.596 | 24.006 | 1.025 | |
| 10/17/2016 6:30:00 PM | 419400.000 | 67.916 | 15.513 |
| 152.987 | 41653.707 | 50872.270 | 33.447 |
| 34.593 | 24.007 | 1.025 | |
| 10/17/2016 6:45:00 PM | 420300.000 | 67.906 | 15.513 |
| 152.964 | 41605.027 | 50811.977 | 33.403 |
| 34.552 | 24.036 | 1.025 | |
| 10/17/2016 7:00:00 PM | 421200.000 | 67.908 | 15.514 |
| 152.969 | 41675.605 | 50896.914 | 33.465 |
| 34.610 | 23.995 | 1.025 | |
| 10/17/2016 7:15:00 PM | 422100.000 | 67.889 | 15.515 |
| 152.928 | 41648.656 | 50863.594 | 33.441 |
| 34.587 | 24.010 | 1.025 | |
| 10/17/2016 7:30:00 PM | 423000.000 | 67.883 | 15.515 |
| 152.914 | 41665.051 | 50882.676 | 33.455 |
| 34.600 | 24.001 | 1.025 | |
| 10/17/2016 7:45:00 PM | 423900.000 | 67.898 | 15.515 |
| 152.948 | 41668.891 | 50887.367 | 33.458 |
| 34.603 | 23.999 | 1.025 | |
| 10/17/2016 8:00:00 PM | 424800.000 | 67.872 | 15.516 |
| 152.888 | 41649.539 | 50863.613 | 33.441 |
| 34.587 | 24.010 | 1.025 | |
| 10/17/2016 8:15:00 PM | 425700.000 | 67.885 | 15.516 |
| 152.917 | 41654.793 | 50869.195 | 33.445 |
| 34.591 | 24.007 | 1.025 | |
| 10/17/2016 8:30:00 PM | 426600.000 | 67.890 | 15.517 |
| 152.928 | 41677.363 | 50896.453 | 33.465 |
| 34.610 | 23.994 | 1.025 | |
| 10/17/2016 8:45:00 PM | 427500.000 | 67.876 | 15.517 |
| 152.896 | 41699.199 | 50922.898 | 33.485 |
| 34.628 | 23.981 | 1.025 | |
| 10/17/2016 9:00:00 PM | 428400.000 | 67.882 | 15.518 |
| 152.911 | 41677.250 | 50894.102 | 33.464 |
| 34.608 | 23.994 | 1.025 | |
| 10/17/2016 9:15:00 PM | 429300.000 | 67.878 | 15.518 |
| 152.901 | 41633.418 | 50840.578 | 33.424 |
| 34.572 | 24.019 | 1.025 | |
| 10/17/2016 9:30:00 PM | 430200.000 | 67.909 | 15.518 |
| 152.972 | 41634.852 | 50842.645 | 33.426 |
| 34.573 | 24.018 | 1.025 | |
| 10/17/2016 9:45:00 PM | 431100.000 | 67.891 | 15.517 |
| 152.930 | 41669.742 | 50886.313 | 33.458 |
| 34.603 | 23.998 | 1.025 | |
| 10/17/2016 10:00:00 PM | 432000.000 | 67.889 | 15.519 |
| 152.928 | 41652.652 | 50863.758 | 33.441 |
| 34.587 | 24.008 | 1.025 | |
| 10/17/2016 10:15:00 PM | 432900.000 | 67.904 | 15.519 |
| 152.960 | 41648.555 | 50858.656 | 33.438 |
| 34.584 | 24.010 | 1.025 | |
| 10/17/2016 10:30:00 PM | 433800.000 | 67.934 | 15.519 |

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| 153.027 | 41645.129 | 50854.266 | 33.434 |
| 34.581 | 24.012 | 1.025 | |
| 10/17/2016 10:45:00 PM | 434700.000 | 67.926 | 15.519 |
| 153.011 | 41729.625 | 50957.652 | 33.510 |
| 34.651 | 23.964 | 1.025 | |
| 10/17/2016 11:00:00 PM | 435600.000 | 67.954 | 15.519 |
| 153.073 | 41665.883 | 50879.813 | 33.453 |
| 34.598 | 24.000 | 1.025 | |
| 10/17/2016 11:15:00 PM | 436500.000 | 67.948 | 15.518 |
| 153.059 | 41790.832 | 51032.914 | 33.566 |
| 34.702 | 23.929 | 1.025 | |
| 10/17/2016 11:30:00 PM | 437400.000 | 67.938 | 15.519 |
| 153.037 | 41682.445 | 50900.250 | 33.468 |
| 34.612 | 23.991 | 1.025 | |
| 10/17/2016 11:45:00 PM | 438300.000 | 67.967 | 15.517 |
| 153.103 | 41923.148 | 51195.867 | 33.685 |
| 34.813 | 23.853 | 1.025 | |
| 10/18/2016 12:00:00 AM | 439200.000 | 67.981 | 15.517 |
| 153.133 | 41726.676 | 50955.938 | 33.509 |
| 34.650 | 23.965 | 1.025 | |
| 10/18/2016 12:15:00 AM | 440100.000 | 67.971 | 15.516 |
| 153.110 | 41843.066 | 51099.012 | 33.614 |
| 34.747 | 23.899 | 1.025 | |
| 10/18/2016 12:30:00 AM | 441000.000 | 67.980 | 15.517 |
| 153.132 | 41733.891 | 50965.484 | 33.516 |
| 34.657 | 23.961 | 1.025 | |
| 10/18/2016 12:45:00 AM | 441900.000 | 67.989 | 15.515 |
| 153.152 | 41805.137 | 51053.754 | 33.581 |
| 34.717 | 23.921 | 1.025 | |
| 10/18/2016 1:00:00 AM | 442800.000 | 67.978 | 15.516 |
| 153.127 | 41684.031 | 50905.535 | 33.472 |
| 34.616 | 23.990 | 1.025 | |
| 10/18/2016 1:15:00 AM | 443700.000 | 67.994 | 15.515 |
| 153.164 | 41804.762 | 51053.918 | 33.581 |
| 34.717 | 23.921 | 1.025 | |
| 10/18/2016 1:30:00 AM | 444600.000 | 67.989 | 15.515 |
| 153.152 | 41690.750 | 50914.367 | 33.478 |
| 34.622 | 23.986 | 1.025 | |
| 10/18/2016 1:45:00 AM | 445500.000 | 68.000 | 15.515 |
| 153.177 | 41788.730 | 51034.660 | 33.567 |
| 34.704 | 23.930 | 1.025 | |
| 10/18/2016 2:00:00 AM | 446400.000 | 68.012 | 15.514 |
| 153.205 | 41736.020 | 50970.695 | 33.519 |
| 34.660 | 23.960 | 1.025 | |
| 10/18/2016 2:15:00 AM | 447300.000 | 67.978 | 15.514 |
| 153.128 | 41759.000 | 50999.188 | 33.540 |
| 34.679 | 23.947 | 1.025 | |
| 10/18/2016 2:30:00 AM | 448200.000 | 68.004 | 15.514 |
| 153.186 | 41713.801 | 50944.301 | 33.500 |
| 34.642 | 23.973 | 1.025 | |
| 10/18/2016 2:45:00 AM | 449100.000 | 68.000 | 15.514 |
| 153.177 | 41828.758 | 51084.809 | 33.603 |
| 34.738 | 23.907 | 1.025 | |
| 10/18/2016 3:00:00 AM | 450000.000 | 67.986 | 15.513 |
| 153.146 | 41696.984 | 50924.809 | 33.486 |
| 34.629 | 23.983 | 1.025 | |

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| 10/18/2016 3:15:00 AM | 450900.000 | 67.987 | 15.513 |
| 153.148 | 41785.273 | 51032.746 | 33.565 |
| 34.702 | 23.932 | 1.025 | |
| 10/18/2016 3:30:00 AM | 451800.000 | 67.974 | 15.513 |
| 153.117 | 41731.051 | 50966.730 | 33.516 |
| 34.657 | 23.963 | 1.025 | |
| 10/18/2016 3:45:00 AM | 452700.000 | 67.965 | 15.513 |
| 153.097 | 41794.875 | 51044.063 | 33.573 |
| 34.710 | 23.926 | 1.025 | |
| 10/18/2016 4:00:00 AM | 453600.000 | 67.974 | 15.513 |
| 153.117 | 41694.324 | 50921.563 | 33.483 |
| 34.627 | 23.984 | 1.025 | |
| 10/18/2016 4:15:00 AM | 454500.000 | 67.974 | 15.513 |
| 153.118 | 41803.574 | 51054.688 | 33.581 |
| 34.717 | 23.921 | 1.025 | |
| 10/18/2016 4:30:00 AM | 455400.000 | 67.960 | 15.513 |
| 153.088 | 41690.547 | 50917.055 | 33.480 |
| 34.624 | 23.986 | 1.025 | |
| 10/18/2016 4:45:00 AM | 456300.000 | 67.953 | 15.513 |
| 153.072 | 41812.469 | 51065.230 | 33.589 |
| 34.724 | 23.916 | 1.025 | |
| 10/18/2016 5:00:00 AM | 457200.000 | 67.940 | 15.514 |
| 153.041 | 41677.445 | 50899.695 | 33.467 |
| 34.612 | 23.994 | 1.025 | |
| 10/18/2016 5:15:00 AM | 458100.000 | 67.957 | 15.514 |
| 153.080 | 41693.301 | 50919.477 | 33.482 |
| 34.625 | 23.985 | 1.025 | |
| 10/18/2016 5:30:00 AM | 459000.000 | 67.938 | 15.514 |
| 153.037 | 41681.340 | 50904.871 | 33.471 |
| 34.615 | 23.992 | 1.025 | |
| 10/18/2016 5:45:00 AM | 459900.000 | 67.924 | 15.514 |
| 153.004 | 41708.711 | 50937.570 | 33.495 |
| 34.638 | 23.976 | 1.025 | |
| 10/18/2016 6:00:00 AM | 460800.000 | 67.926 | 15.514 |
| 153.011 | 41673.520 | 50894.691 | 33.464 |
| 34.608 | 23.996 | 1.025 | |
| 10/18/2016 6:15:00 AM | 461700.000 | 67.926 | 15.516 |
| 153.010 | 41752.840 | 50989.770 | 33.534 |
| 34.673 | 23.950 | 1.025 | |
| 10/18/2016 6:30:00 AM | 462600.000 | 67.910 | 15.515 |
| 152.974 | 41680.242 | 50901.430 | 33.469 |
| 34.613 | 23.992 | 1.025 | |
| 10/18/2016 6:45:00 AM | 463500.000 | 67.904 | 15.515 |
| 152.960 | 41707.727 | 50935.309 | 33.494 |
| 34.636 | 23.976 | 1.025 | |
| 10/18/2016 7:00:00 AM | 464400.000 | 67.890 | 15.516 |
| 152.928 | 41679.395 | 50899.555 | 33.467 |
| 34.612 | 23.993 | 1.025 | |
| 10/18/2016 7:15:00 AM | 465300.000 | 67.893 | 15.516 |
| 152.936 | 41696.648 | 50920.520 | 33.483 |
| 34.626 | 23.983 | 1.025 | |
| 10/18/2016 7:30:00 AM | 466200.000 | 67.900 | 15.516 |
| 152.950 | 41654.680 | 50869.059 | 33.445 |
| 34.591 | 24.007 | 1.025 | |
| 10/18/2016 7:45:00 AM | 467100.000 | 67.906 | 15.517 |
| 152.965 | 41723.590 | 50952.906 | 33.507 |

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| 34.648 | 23.967 | 1.025 | |
| 10/18/2016 8:00:00 AM | 468000.000 | 67.906 | 15.518 |
| 152.965 | 41702.180 | 50925.605 | 33.487 |
| 34.629 | 23.980 | 1.025 | |
| 10/18/2016 8:15:00 AM | 468900.000 | 67.920 | 15.517 |
| 152.997 | 41713.184 | 50939.672 | 33.497 |
| 34.639 | 23.973 | 1.025 | |
| 10/18/2016 8:30:00 AM | 469800.000 | 67.904 | 15.517 |
| 152.960 | 41648.199 | 50860.004 | 33.438 |
| 34.585 | 24.011 | 1.025 | |
| 10/18/2016 8:45:00 AM | 470700.000 | 67.910 | 15.517 |
| 152.973 | 41683.684 | 50903.852 | 33.471 |
| 34.615 | 23.990 | 1.025 | |
| 10/18/2016 9:00:00 AM | 471600.000 | 67.935 | 15.517 |
| 153.030 | 41675.039 | 50893.613 | 33.463 |
| 34.608 | 23.995 | 1.025 | |
| 10/18/2016 9:15:00 AM | 472500.000 | 67.914 | 15.516 |
| 152.983 | 41660.270 | 50875.680 | 33.450 |
| 34.595 | 24.004 | 1.025 | |
| 10/18/2016 9:30:00 AM | 473400.000 | 67.934 | 15.516 |
| 153.027 | 41641.434 | 50852.883 | 33.433 |
| 34.580 | 24.015 | 1.025 | |
| 10/18/2016 9:45:00 AM | 474300.000 | 67.956 | 15.516 |
| 153.077 | 41659.879 | 50875.508 | 33.450 |
| 34.595 | 24.004 | 1.025 | |
| 10/18/2016 10:00:00 AM | 475200.000 | 67.976 | 15.516 |
| 153.122 | 41639.645 | 50850.906 | 33.432 |
| 34.579 | 24.016 | 1.025 | |
| 10/18/2016 10:15:00 AM | 476100.000 | 67.993 | 15.516 |
| 153.160 | 41657.934 | 50872.824 | 33.448 |
| 34.594 | 24.005 | 1.025 | |
| 10/18/2016 10:30:00 AM | 477000.000 | 68.019 | 15.516 |
| 153.219 | 41640.211 | 50851.809 | 33.432 |
| 34.579 | 24.015 | 1.025 | |
| 10/18/2016 10:45:00 AM | 477900.000 | 68.050 | 15.514 |
| 153.290 | 41661.328 | 50879.391 | 33.452 |
| 34.598 | 24.003 | 1.025 | |
| 10/18/2016 11:00:00 AM | 478800.000 | 68.060 | 15.513 |
| 153.312 | 41668.117 | 50888.828 | 33.459 |
| 34.604 | 23.999 | 1.025 | |
| 10/18/2016 11:15:00 AM | 479700.000 | 68.097 | 15.512 |
| 153.395 | 41621.656 | 50833.543 | 33.419 |
| 34.567 | 24.026 | 1.025 | |
| 10/18/2016 11:30:00 AM | 480600.000 | 68.100 | 15.511 |
| 153.401 | 41656.500 | 50877.359 | 33.451 |
| 34.597 | 24.006 | 1.025 | |
| 10/18/2016 11:45:00 AM | 481500.000 | 68.127 | 15.510 |
| 153.463 | 41618.031 | 50831.938 | 33.417 |
| 34.566 | 24.028 | 1.025 | |
| 10/18/2016 12:00:00 PM | 482400.000 | 68.133 | 15.509 |
| 153.477 | 41634.344 | 50852.910 | 33.433 |
| 34.580 | 24.019 | 1.025 | |
| 10/18/2016 12:15:00 PM | 483300.000 | 68.154 | 15.508 |
| 153.524 | 41638.043 | 50858.891 | 33.437 |
| 34.584 | 24.016 | 1.025 | |
| 10/18/2016 12:30:00 PM | 484200.000 | 68.129 | 15.508 |

153.467 41623.453 50841.184 33.424
34.572 24.025 1.025
10/18/2016 12:45:00 PM 485100.000 68.130 15.506
153.470 41631.000 50852.086 33.432
34.579 24.021 1.025
10/18/2016 1:00:00 PM 486000.000 68.136 15.505
153.483 41619.129 50839.141 33.422
34.571 24.027 1.025
10/18/2016 1:15:00 PM 486900.000 68.155 15.504
153.525 41627.113 50849.738 33.430
34.578 24.023 1.025
10/18/2016 1:30:00 PM 487800.000 68.131 15.504
153.473 41661.227 50891.301 33.460
34.606 24.003 1.025
10/18/2016 1:45:00 PM 488700.000 68.143 15.502
153.499 41613.180 50834.906 33.419
34.568 24.031 1.025
10/18/2016 2:00:00 PM 489600.000 68.170 15.501
153.559 41603.238 50823.820 33.411
34.560 24.037 1.025
10/18/2016 2:15:00 PM 490500.000 68.177 15.501
153.575 41613.348 50837.113 33.420
34.569 24.031 1.025
10/18/2016 2:30:00 PM 491400.000 68.186 15.501
153.596 41597.148 50817.320 33.406
34.556 24.040 1.025
10/18/2016 2:45:00 PM 492300.000 68.152 15.499
153.519 41614.211 50839.633 33.422
34.571 24.030 1.025
10/18/2016 3:00:00 PM 493200.000 68.165 15.499
153.548 41634.840 50865.035 33.441
34.588 24.018 1.025
10/18/2016 3:15:00 PM 494100.000 68.163 15.498
153.543 41594.473 50816.977 33.405
34.556 24.042 1.025
10/18/2016 3:30:00 PM 495000.000 68.167 15.498
153.552 41588.543 50810.363 33.400
34.551 24.045 1.025
10/18/2016 3:45:00 PM 495900.000 68.182 15.498
153.587 41587.977 50808.723 33.399
34.550 24.045 1.025
10/18/2016 4:00:00 PM 496800.000 68.170 15.497
153.559 41622.535 50852.410 33.431
34.580 24.025 1.025
10/18/2016 4:15:00 PM 497700.000 68.139 15.498
153.491 41599.539 50823.801 33.410
34.560 24.039 1.025
10/18/2016 4:30:00 PM 498600.000 68.127 15.498
153.462 41640.777 50873.547 33.447
34.594 24.015 1.025
10/18/2016 4:45:00 PM 499500.000 68.117 15.498
153.439 41599.918 50824.145 33.411
34.560 24.039 1.025
10/18/2016 5:00:00 PM 500400.000 68.100 15.498
153.403 41605.188 50830.184 33.415
34.565 24.035 1.025

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|---|---|---|---|
| 10/18/2016 5:15:00 PM | 501300.000 | 68.091 | 15.499 |
| 153.381 | 41622.680 | 50851.020 | 33.430 |
| 34.579 | 24.025 | 1.025 | |
| 10/18/2016 5:30:00 PM | 502200.000 | 68.057 | 15.499 |
| 153.306 | 41639.723 | 50870.906 | 33.445 |
| 34.592 | 24.016 | 1.025 | |
| 10/18/2016 5:45:00 PM | 503100.000 | 68.060 | 15.500 |
| 153.312 | 41599.117 | 50820.984 | 33.408 |
| 34.558 | 24.039 | 1.025 | |
| 10/18/2016 6:00:00 PM | 504000.000 | 68.027 | 15.500 |
| 153.236 | 41616.031 | 50841.441 | 33.423 |
| 34.572 | 24.029 | 1.025 | |
| 10/18/2016 6:15:00 PM | 504900.000 | 68.034 | 15.501 |
| 153.253 | 41608.434 | 50830.684 | 33.416 |
| 34.565 | 24.034 | 1.025 | |
| 10/18/2016 6:30:00 PM | 505800.000 | 68.004 | 15.501 |
| 153.186 | 41591.105 | 50809.000 | 33.400 |
| 34.550 | 24.044 | 1.025 | |
| 10/18/2016 6:45:00 PM | 506700.000 | 67.984 | 15.502 |
| 153.140 | 41617.953 | 50841.266 | 33.423 |
| 34.572 | 24.028 | 1.025 | |
| 10/18/2016 7:00:00 PM | 507600.000 | 67.969 | 15.502 |
| 153.106 | 41603.047 | 50822.953 | 33.410 |
| 34.560 | 24.037 | 1.025 | |
| 10/18/2016 7:15:00 PM | 508500.000 | 67.950 | 15.503 |
| 153.065 | 41607.301 | 50826.375 | 33.413 |
| 34.562 | 24.034 | 1.025 | |
| 10/18/2016 7:30:00 PM | 509400.000 | 67.941 | 15.504 |
| 153.044 | 41589.828 | 50803.973 | 33.396 |
| 34.547 | 24.044 | 1.025 | |
| 10/18/2016 7:45:00 PM | 510300.000 | 67.946 | 15.506 |
| 153.055 | 41554.816 | 50759.641 | 33.364 |
| 34.517 | 24.065 | 1.025 | |
| 10/18/2016 8:00:00 PM | 511200.000 | 67.924 | 15.506 |
| 153.006 | 41547.602 | 50750.730 | 33.357 |
| 34.510 | 24.069 | 1.025 | |
| 10/18/2016 8:15:00 PM | 512100.000 | 67.921 | 15.506 |
| 152.999 | 41601.434 | 50815.863 | 33.405 |
| 34.555 | 24.038 | 1.025 | |
| 10/18/2016 8:30:00 PM | 513000.000 | 67.901 | 15.507 |
| 152.953 | 41609.172 | 50824.484 | 33.412 |
| 34.561 | 24.033 | 1.025 | |
| 10/18/2016 8:45:00 PM | 513900.000 | 67.911 | 15.507 |
| 152.976 | 41625.004 | 50843.602 | 33.426 |
| 34.574 | 24.024 | 1.025 | |
| 10/18/2016 9:00:00 PM | 514800.000 | 67.886 | 15.509 |
| 152.920 | 41539.160 | 50736.859 | 33.347 |
| 34.501 | 24.074 | 1.025 | |
| 10/18/2016 9:15:00 PM | 515700.000 | 67.895 | 15.509 |
| 152.939 | 41585.855 | 50793.895 | 33.389 |
| 34.540 | 24.047 | 1.025 | |
| 10/18/2016 9:30:00 PM | 516600.000 | 67.872 | 15.509 |
| 152.888 | 41607.742 | 50819.902 | 33.408 |
| 34.558 | 24.034 | 1.025 | |
| 10/18/2016 9:45:00 PM | 517500.000 | 67.864 | 15.511 |
| 152.870 | 41611.184 | 50822.535 | 33.410 |

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| 34.559 | 24.032 | 1.025 | |
| 10/18/2016 10:00:00 PM | 518400.000 | 67.865 | 15.511 |
| 152.874 | 41580.734 | 50784.930 | 33.383 |
| 34.534 | 24.050 | 1.025 | |
| 10/18/2016 10:15:00 PM | 519300.000 | 67.859 | 15.511 |
| 152.858 | 41573.305 | 50775.438 | 33.376 |
| 34.527 | 24.054 | 1.025 | |
| 10/18/2016 10:30:00 PM | 520200.000 | 67.869 | 15.512 |
| 152.882 | 41576.457 | 50779.168 | 33.379 |
| 34.530 | 24.052 | 1.025 | |
| 10/18/2016 10:45:00 PM | 521100.000 | 67.861 | 15.512 |
| 152.863 | 41587.027 | 50791.250 | 33.388 |
| 34.538 | 24.046 | 1.025 | |
| 10/18/2016 11:00:00 PM | 522000.000 | 67.853 | 15.513 |
| 152.847 | 41589.637 | 50793.922 | 33.390 |
| 34.540 | 24.044 | 1.025 | |
| 10/18/2016 11:15:00 PM | 522900.000 | 67.857 | 15.513 |
| 152.854 | 41584.238 | 50786.902 | 33.384 |
| 34.535 | 24.048 | 1.025 | |
| 10/18/2016 11:30:00 PM | 523800.000 | 67.866 | 15.513 |
| 152.874 | 41608.883 | 50816.910 | 33.406 |
| 34.556 | 24.033 | 1.025 | |
| 10/18/2016 11:45:00 PM | 524700.000 | 67.868 | 15.513 |
| 152.879 | 41539.328 | 50731.648 | 33.344 |
| 34.498 | 24.074 | 1.025 | |
| 10/19/2016 12:00:00 AM | 525600.000 | 67.883 | 15.514 |
| 152.912 | 41607.219 | 50813.723 | 33.404 |
| 34.553 | 24.034 | 1.025 | |
| 10/19/2016 12:15:00 AM | 526500.000 | 67.890 | 15.514 |
| 152.928 | 41564.922 | 50762.383 | 33.366 |
| 34.518 | 24.059 | 1.025 | |
| 10/19/2016 12:30:00 AM | 527400.000 | 67.878 | 15.515 |
| 152.901 | 41564.695 | 50761.059 | 33.366 |
| 34.518 | 24.059 | 1.025 | |
| 10/19/2016 12:45:00 AM | 528300.000 | 67.905 | 15.514 |
| 152.964 | 41591.418 | 50794.523 | 33.390 |
| 34.540 | 24.043 | 1.025 | |
| 10/19/2016 1:00:00 AM | 529200.000 | 67.883 | 15.514 |
| 152.914 | 41603.625 | 50809.434 | 33.401 |
| 34.550 | 24.036 | 1.025 | |
| 10/19/2016 1:15:00 AM | 530100.000 | 67.897 | 15.513 |
| 152.945 | 41576.195 | 50776.871 | 33.377 |
| 34.528 | 24.052 | 1.025 | |
| 10/19/2016 1:30:00 AM | 531000.000 | 67.891 | 15.515 |
| 152.930 | 41528.289 | 50716.277 | 33.333 |
| 34.487 | 24.080 | 1.025 | |
| 10/19/2016 1:45:00 AM | 531900.000 | 67.903 | 15.515 |
| 152.958 | 41617.355 | 50825.570 | 33.413 |
| 34.561 | 24.028 | 1.025 | |
| 10/19/2016 2:00:00 AM | 532800.000 | 67.908 | 15.513 |
| 152.970 | 41570.992 | 50770.410 | 33.372 |
| 34.524 | 24.055 | 1.025 | |
| 10/19/2016 2:15:00 AM | 533700.000 | 67.894 | 15.514 |
| 152.937 | 41521.387 | 50709.105 | 33.327 |
| 34.482 | 24.084 | 1.025 | |
| 10/19/2016 2:30:00 AM | 534600.000 | 67.909 | 15.514 |

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| 152.972 | 41605.520 | 50811.965 | 33.403 |
| 34.552 | 24.035 | 1.025 | |
| 10/19/2016 2:45:00 AM | 535500.000 | 67.889 | 15.515 |
| 152.926 | 41584.520 | 50785.469 | 33.383 |
| 34.534 | 24.047 | 1.025 | |
| 10/19/2016 3:00:00 AM | 536400.000 | 67.905 | 15.514 |
| 152.962 | 41555.039 | 50749.672 | 33.357 |
| 34.510 | 24.064 | 1.025 | |
| 10/19/2016 3:15:00 AM | 537300.000 | 67.893 | 15.514 |
| 152.935 | 41575.738 | 50775.480 | 33.376 |
| 34.527 | 24.052 | 1.025 | |
| 10/19/2016 3:30:00 AM | 538200.000 | 67.887 | 15.514 |
| 152.921 | 41532.434 | 50722.063 | 33.337 |
| 34.491 | 24.078 | 1.025 | |
| 10/19/2016 3:45:00 AM | 539100.000 | 67.875 | 15.514 |
| 152.895 | 41527.008 | 50716.387 | 33.333 |
| 34.487 | 24.081 | 1.025 | |
| 10/19/2016 4:00:00 AM | 540000.000 | 67.878 | 15.513 |
| 152.901 | 41603.277 | 50809.641 | 33.401 |
| 34.551 | 24.037 | 1.025 | |
| 10/19/2016 4:15:00 AM | 540900.000 | 67.874 | 15.513 |
| 152.892 | 41585.301 | 50788.309 | 33.385 |
| 34.536 | 24.047 | 1.025 | |
| 10/19/2016 4:30:00 AM | 541800.000 | 67.880 | 15.513 |
| 152.905 | 41561.336 | 50758.418 | 33.364 |
| 34.516 | 24.061 | 1.025 | |
| 10/19/2016 4:45:00 AM | 542700.000 | 67.864 | 15.513 |
| 152.871 | 41532.785 | 50723.656 | 33.338 |
| 34.492 | 24.077 | 1.025 | |
| 10/19/2016 5:00:00 AM | 543600.000 | 67.872 | 15.515 |
| 152.888 | 41558.918 | 50753.578 | 33.360 |
| 34.512 | 24.062 | 1.025 | |
| 10/19/2016 5:15:00 AM | 544500.000 | 67.865 | 15.514 |
| 152.873 | 41585.152 | 50786.773 | 33.384 |
| 34.535 | 24.047 | 1.025 | |
| 10/19/2016 5:30:00 AM | 545400.000 | 67.846 | 15.515 |
| 152.829 | 41573.203 | 50771.648 | 33.373 |
| 34.525 | 24.054 | 1.025 | |
| 10/19/2016 5:45:00 AM | 546300.000 | 67.835 | 15.515 |
| 152.804 | 41581.430 | 50780.754 | 33.380 |
| 34.531 | 24.049 | 1.025 | |
| 10/19/2016 6:00:00 AM | 547200.000 | 67.840 | 15.515 |
| 152.816 | 41586.910 | 50787.871 | 33.385 |
| 34.536 | 24.046 | 1.025 | |
| 10/19/2016 6:15:00 AM | 548100.000 | 67.833 | 15.515 |
| 152.800 | 41567.719 | 50764.848 | 33.368 |
| 34.520 | 24.057 | 1.025 | |
| 10/19/2016 6:30:00 AM | 549000.000 | 67.819 | 15.515 |
| 152.769 | 41586.871 | 50787.297 | 33.385 |
| 34.535 | 24.046 | 1.025 | |
| 10/19/2016 6:45:00 AM | 549900.000 | 67.805 | 15.516 |
| 152.736 | 41580.328 | 50779.004 | 33.379 |
| 34.530 | 24.050 | 1.025 | |
| 10/19/2016 7:00:00 AM | 550800.000 | 67.817 | 15.516 |
| 152.765 | 41559.313 | 50753.340 | 33.360 |
| 34.512 | 24.062 | 1.025 | |

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|---|---|---|---|
| 10/19/2016 7:15:00 AM | 551700.000 | 67.829 | 15.516 |
| 152.791 | 41562.523 | 50757.148 | 33.363 |
| 34.515 | 24.060 | 1.025 | |
| 10/19/2016 7:30:00 AM | 552600.000 | 67.814 | 15.518 |
| 152.757 | 41577.859 | 50773.477 | 33.375 |
| 34.526 | 24.051 | 1.025 | |
| 10/19/2016 7:45:00 AM | 553500.000 | 67.807 | 15.517 |
| 152.742 | 41536.699 | 50724.238 | 33.339 |
| 34.492 | 24.075 | 1.025 | |
| 10/19/2016 8:00:00 AM | 554400.000 | 67.804 | 15.518 |
| 152.736 | 41587.211 | 50784.996 | 33.383 |
| 34.534 | 24.046 | 1.025 | |
| 10/19/2016 8:15:00 AM | 555300.000 | 67.829 | 15.518 |
| 152.791 | 41572.336 | 50766.512 | 33.370 |
| 34.521 | 24.054 | 1.025 | |
| 10/19/2016 8:30:00 AM | 556200.000 | 67.822 | 15.518 |
| 152.775 | 41565.520 | 50758.090 | 33.364 |
| 34.516 | 24.058 | 1.025 | |
| 10/19/2016 8:45:00 AM | 557100.000 | 67.820 | 15.518 |
| 152.770 | 41548.102 | 50737.023 | 33.348 |
| 34.501 | 24.068 | 1.025 | |
| 10/19/2016 9:00:00 AM | 558000.000 | 67.837 | 15.518 |
| 152.809 | 41574.762 | 50769.691 | 33.372 |
| 34.523 | 24.053 | 1.025 | |
| 10/19/2016 9:15:00 AM | 558900.000 | 67.846 | 15.518 |
| 152.829 | 41554.797 | 50744.887 | 33.354 |
| 34.507 | 24.065 | 1.025 | |
| 10/19/2016 9:30:00 AM | 559800.000 | 67.833 | 15.518 |
| 152.800 | 41573.773 | 50768.586 | 33.371 |
| 34.523 | 24.054 | 1.025 | |
| 10/19/2016 9:45:00 AM | 560700.000 | 67.838 | 15.519 |
| 152.811 | 41544.785 | 50732.035 | 33.345 |
| 34.498 | 24.070 | 1.025 | |
| 10/19/2016 10:00:00 AM | 561600.000 | 67.847 | 15.519 |
| 152.831 | 41532.434 | 50716.953 | 33.334 |
| 34.488 | 24.078 | 1.025 | |
| 10/19/2016 10:15:00 AM | 562500.000 | 67.870 | 15.518 |
| 152.883 | 41541.645 | 50728.934 | 33.342 |
| 34.496 | 24.072 | 1.025 | |
| 10/19/2016 10:30:00 AM | 563400.000 | 67.847 | 15.518 |
| 152.833 | 41581.215 | 50777.574 | 33.378 |
| 34.529 | 24.049 | 1.025 | |
| 10/19/2016 10:45:00 AM | 564300.000 | 67.853 | 15.518 |
| 152.847 | 41564.676 | 50757.266 | 33.363 |
| 34.515 | 24.059 | 1.025 | |
| 10/19/2016 11:00:00 AM | 565200.000 | 67.864 | 15.518 |
| 152.870 | 41528.035 | 50712.313 | 33.330 |
| 34.484 | 24.080 | 1.025 | |
| 10/19/2016 11:15:00 AM | 566100.000 | 67.868 | 15.518 |
| 152.879 | 41552.074 | 50742.188 | 33.352 |
| 34.505 | 24.066 | 1.025 | |
| 10/19/2016 11:30:00 AM | 567000.000 | 67.881 | 15.518 |
| 152.909 | 41541.820 | 50729.566 | 33.343 |
| 34.496 | 24.072 | 1.025 | |
| 10/19/2016 11:45:00 AM | 567900.000 | 67.898 | 15.517 |
| 152.947 | 41534.137 | 50720.594 | 33.336 |

| | | | |
|---|---|---|---|
| 34.490 | 24.077 | 1.025 | |
| 10/19/2016 12:00:00 PM | 568800.000 | 67.909 | 15.517 |
| 152.973 | 41565.027 | 50759.270 | 33.364 |
| 34.516 | 24.059 | 1.025 | |
| 10/19/2016 12:15:00 PM | 569700.000 | 67.918 | 15.516 |
| 152.992 | 41512.930 | 50695.953 | 33.318 |
| 34.473 | 24.089 | 1.025 | |
| 10/19/2016 12:30:00 PM | 570600.000 | 67.926 | 15.515 |
| 153.011 | 41569.309 | 50765.953 | 33.369 |
| 34.521 | 24.056 | 1.025 | |
| 10/19/2016 12:45:00 PM | 571500.000 | 67.941 | 15.515 |
| 153.043 | 41570.004 | 50767.738 | 33.370 |
| 34.522 | 24.056 | 1.025 | |
| 10/19/2016 1:00:00 PM | 572400.000 | 67.976 | 15.514 |
| 153.122 | 41541.082 | 50733.270 | 33.345 |
| 34.499 | 24.073 | 1.025 | |
| 10/19/2016 1:15:00 PM | 573300.000 | 67.960 | 15.512 |
| 153.088 | 41564.480 | 50763.516 | 33.367 |
| 34.519 | 24.059 | 1.025 | |
| 10/19/2016 1:30:00 PM | 574200.000 | 67.976 | 15.512 |
| 153.123 | 41539.742 | 50733.184 | 33.345 |
| 34.499 | 24.073 | 1.025 | |
| 10/19/2016 1:45:00 PM | 575100.000 | 67.985 | 15.512 |
| 153.143 | 41512.855 | 50701.176 | 33.321 |
| 34.477 | 24.089 | 1.025 | |
| 10/19/2016 2:00:00 PM | 576000.000 | 67.985 | 15.511 |
| 153.143 | 41514.250 | 50703.934 | 33.323 |
| 34.479 | 24.088 | 1.025 | |
| 10/19/2016 2:15:00 PM | 576900.000 | 67.995 | 15.511 |
| 153.165 | 41530.617 | 50723.816 | 33.338 |
| 34.492 | 24.079 | 1.025 | |
| 10/19/2016 2:30:00 PM | 577800.000 | 67.995 | 15.510 |
| 153.165 | 41557.000 | 50757.613 | 33.363 |
| 34.515 | 24.063 | 1.025 | |
| 10/19/2016 2:45:00 PM | 578700.000 | 68.012 | 15.509 |
| 153.205 | 41530.016 | 50725.168 | 33.339 |
| 34.493 | 24.079 | 1.025 | |
| 10/19/2016 3:00:00 PM | 579600.000 | 67.987 | 15.509 |
| 153.146 | 41570.535 | 50775.500 | 33.376 |
| 34.527 | 24.056 | 1.025 | |
| 10/19/2016 3:15:00 PM | 580500.000 | 67.986 | 15.507 |
| 153.145 | 41531.793 | 50729.434 | 33.342 |
| 34.496 | 24.078 | 1.025 | |
| 10/19/2016 3:30:00 PM | 581400.000 | 67.981 | 15.507 |
| 153.134 | 41515.863 | 50710.391 | 33.328 |
| 34.483 | 24.087 | 1.025 | |
| 10/19/2016 3:45:00 PM | 582300.000 | 67.974 | 15.508 |
| 153.117 | 41515.789 | 50709.262 | 33.327 |
| 34.482 | 24.087 | 1.025 | |
| 10/19/2016 4:00:00 PM | 583200.000 | 67.958 | 15.507 |
| 153.083 | 41564.906 | 50770.719 | 33.372 |
| 34.524 | 24.059 | 1.025 | |
| 10/19/2016 4:15:00 PM | 584100.000 | 67.953 | 15.507 |
| 153.071 | 41541.867 | 50742.152 | 33.351 |
| 34.505 | 24.072 | 1.025 | |
| 10/19/2016 4:30:00 PM | 585000.000 | 67.933 | 15.507 |

| | | | |
|---|---|---|---|
| 153.025 | 41552.445 | 50754.875 | 33.360 |
| 34.513 | 24.066 | 1.025 | |
| 10/19/2016 4:45:00 PM | 585900.000 | 67.922 | 15.507 |
| 153.001 | 41544.094 | 50744.461 | 33.353 |
| 34.506 | 24.071 | 1.025 | |
| 10/19/2016 5:00:00 PM | 586800.000 | 67.905 | 15.508 |
| 152.963 | 41540.457 | 50738.977 | 33.349 |
| 34.503 | 24.073 | 1.025 | |
| 10/19/2016 5:15:00 PM | 587700.000 | 67.893 | 15.508 |
| 152.935 | 41500.684 | 50690.496 | 33.313 |
| 34.470 | 24.096 | 1.025 | |
| 10/19/2016 5:30:00 PM | 588600.000 | 67.887 | 15.509 |
| 152.923 | 41529.832 | 50724.941 | 33.339 |
| 34.493 | 24.079 | 1.025 | |
| 10/19/2016 5:45:00 PM | 589500.000 | 67.876 | 15.509 |
| 152.898 | 41545.797 | 50744.129 | 33.353 |
| 34.506 | 24.070 | 1.025 | |
| 10/19/2016 6:00:00 PM | 590400.000 | 67.842 | 15.510 |
| 152.822 | 41540.215 | 50736.891 | 33.347 |
| 34.501 | 24.073 | 1.025 | |
| 10/19/2016 6:15:00 PM | 591300.000 | 67.846 | 15.511 |
| 152.830 | 41500.539 | 50687.605 | 33.311 |
| 34.468 | 24.096 | 1.025 | |
| 10/19/2016 6:30:00 PM | 592200.000 | 67.816 | 15.511 |
| 152.763 | 41520.047 | 50710.590 | 33.328 |
| 34.483 | 24.085 | 1.025 | |
| 10/19/2016 6:45:00 PM | 593100.000 | 67.819 | 15.511 |
| 152.769 | 41531.191 | 50724.313 | 33.338 |
| 34.493 | 24.078 | 1.025 | |
| 10/19/2016 7:00:00 PM | 594000.000 | 67.793 | 15.512 |
| 152.710 | 41489.395 | 50672.129 | 33.300 |
| 34.457 | 24.103 | 1.025 | |
| 10/19/2016 7:15:00 PM | 594900.000 | 67.771 | 15.513 |
| 152.661 | 41500.020 | 50684.469 | 33.309 |
| 34.465 | 24.096 | 1.025 | |
| 10/19/2016 7:30:00 PM | 595800.000 | 67.758 | 15.514 |
| 152.632 | 41548.539 | 50742.156 | 33.352 |
| 34.505 | 24.068 | 1.025 | |
| 10/19/2016 7:45:00 PM | 596700.000 | 67.737 | 15.514 |
| 152.584 | 41516.699 | 50703.586 | 33.323 |
| 34.478 | 24.087 | 1.025 | |
| 10/19/2016 8:00:00 PM | 597600.000 | 67.725 | 15.515 |
| 152.558 | 41506.719 | 50689.730 | 33.313 |
| 34.469 | 24.092 | 1.025 | |
| 10/19/2016 8:15:00 PM | 598500.000 | 67.719 | 15.515 |
| 152.544 | 41516.801 | 50701.629 | 33.322 |
| 34.477 | 24.087 | 1.025 | |
| 10/19/2016 8:30:00 PM | 599400.000 | 67.723 | 15.517 |
| 152.553 | 41503.695 | 50684.371 | 33.309 |
| 34.465 | 24.094 | 1.025 | |
| 10/19/2016 8:45:00 PM | 600300.000 | 67.696 | 15.518 |
| 152.491 | 41487.633 | 50663.605 | 33.294 |
| 34.451 | 24.104 | 1.025 | |
| 10/19/2016 9:00:00 PM | 601200.000 | 67.703 | 15.518 |
| 152.508 | 41522.207 | 50704.883 | 33.325 |
| 34.479 | 24.083 | 1.025 | |

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|---|---|---|---|
| 10/19/2016 9:15:00 PM | 602100.000 | 67.700 | 15.519 |
| 152.501 | 41508.102 | 50687.141 | 33.312 |
| 34.467 | 24.092 | 1.025 | |
| 10/19/2016 9:30:00 PM | 603000.000 | 67.694 | 15.519 |
| 152.488 | 41479.086 | 50651.086 | 33.285 |
| 34.443 | 24.109 | 1.025 | |
| 10/19/2016 9:45:00 PM | 603900.000 | 67.670 | 15.520 |
| 152.432 | 41470.523 | 50639.586 | 33.277 |
| 34.435 | 24.114 | 1.025 | |
| 10/19/2016 10:00:00 PM | 604800.000 | 67.676 | 15.521 |
| 152.446 | 41501.000 | 50676.277 | 33.304 |
| 34.460 | 24.096 | 1.025 | |
| 10/19/2016 10:15:00 PM | 605700.000 | 67.692 | 15.521 |
| 152.483 | 41500.703 | 50675.602 | 33.303 |
| 34.459 | 24.096 | 1.025 | |
| 10/19/2016 10:30:00 PM | 606600.000 | 67.677 | 15.522 |
| 152.449 | 41473.477 | 50640.582 | 33.278 |
| 34.436 | 24.112 | 1.025 | |
| 10/19/2016 10:45:00 PM | 607500.000 | 67.687 | 15.522 |
| 152.471 | 41490.035 | 50661.004 | 33.293 |
| 34.449 | 24.102 | 1.025 | |
| 10/19/2016 11:00:00 PM | 608400.000 | 67.687 | 15.523 |
| 152.471 | 41537.492 | 50718.438 | 33.335 |
| 34.489 | 24.075 | 1.025 | |
| 10/19/2016 11:15:00 PM | 609300.000 | 67.692 | 15.523 |
| 152.483 | 41523.938 | 50701.355 | 33.322 |
| 34.477 | 24.082 | 1.025 | |
| 10/19/2016 11:30:00 PM | 610200.000 | 67.690 | 15.523 |
| 152.479 | 41502.172 | 50674.570 | 33.303 |
| 34.459 | 24.095 | 1.025 | |
| 10/19/2016 11:45:00 PM | 611100.000 | 67.693 | 15.524 |
| 152.486 | 41515.102 | 50689.113 | 33.314 |
| 34.469 | 24.088 | 1.025 | |

Report Date: 10/21/2016 8:24:58 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-1S LT Test_2016-10-20_12-21-16-127.wsl
Create Date: 10/20/2016 12:19:13 PM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-1S
Device Name:
Serial Number: 421436
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 1

Log Configuration
Log Name: MPWSP MW-1S LT Test
Created By: nreynolds
Computer Name: PROBOOK1
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 10/27/2015 10:02:35 AM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 10/27/2015 10:45:00 AM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: -0.0405503 (ft)
Head Pressure: -0.0180016 (PSI)
Temperature: 22.3238 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

Log Notes:

| Date and Time | Note |
|---|---|
| 10/27/2015 10:02:43 AM | Used Battery: 1% Used Memory: 3% User Name: nreynolds |
| 10/27/2015 11:43:58 AM | Log Download - Used Battery: 1% Used Memory: 3% User Name: nreynolds |
| 10/29/2015 2:42:47 PM | Log Download - Used Battery: 2% Used Memory: 3% User Name: KMakar |
| 11/5/2015 1:40:01 PM | Log Download - Used Battery: 2% Used Memory: 3% User Name: KMakar Interval - Start Time: 10/27/2015 10:45:00 AM Stop Time: 11/5/2015 1:40:00 PM |
| 11/12/2015 9:38:27 AM | Log Download - Used Battery: 2% Used Memory: 4% User Name: CShaw |
| 11/19/2015 2:51:59 PM | Log Download - Used Battery: 3% Used Memory: 4% User Name: KMakar Interval - Start Time: 11/1/2015 7:00:00 AM Stop Time: 11/19/2015 2:50:00 PM |
| 11/29/2015 9:11:53 AM | Log Download - Used Battery: 3% Used Memory: 6% User Name: CShaw Interval - Start Time: 11/13/2015 1:00:00 AM Stop Time: 11/29/2015 10:00:00 AM |
| 12/3/2015 10:41:36 AM | Log Download - Used Battery: 3% Used Memory: 6% User Name: KMakar Interval - Start Time: 11/18/2015 7:00:00 AM Stop Time: 12/3/2015 10:30:00 AM |
| 12/10/2015 8:55:03 AM | Log Download - Used Battery: 4% Used Memory: 7% User Name: CShaw Interval - Start Time: 10/13/2015 1:45:00 AM Stop Time: 12/10/2015 8:45:00 AM |
| 12/17/2015 11:08:11 AM | Log Download - Used Battery: 4% Used Memory: 7% User Name: KMakar Interval - Start Time: 12/1/2015 12:00:00 PM Stop Time: 12/17/2015 11:00:00 AM |
| 1/3/2016 9:58:57 AM | Log Download - Used Battery: 5% Used Memory: 10% User Name: CShaw Interval - Start Time: 11/30/2015 1:00:00 AM Stop Time: 1/3/2016 10:45:00 AM |
| 1/7/2016 10:10:38 AM | Log Download - Used Battery: 5% Used Memory: 10% User Name: KMakar Interval - Start Time: 12/31/2015 10:00:00 AM Stop Time: 1/7/2016 10:00:00 AM |
| 1/14/2016 8:23:59 AM | Log Download - Used Battery: 5% Used Memory: 10% User Name: KMakar Interval - Start Time: 1/4/2016 10:00:00 AM Stop Time: 1/14/2016 8:15:00 AM |
| 1/21/2016 11:41:44 AM | Log Download - Used Battery: 6% Used Memory: 12% User Name: KMakar Interval - Start Time: 1/12/2016 11:00:00 AM Stop Time: 1/21/2016 11:30:00 AM |
| 1/28/2016 1:45:04 PM | Log Download - Used Battery: 6% Used Memory: 12% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 1:30:00 PM |
| 2/4/2016 9:17:52 AM | Log Download - Used Battery: 7% Used Memory: 14% User Name: CShaw Interval - Start Time: 12/31/2015 1:00:00 AM Stop Time: 2/4/2016 10:15:00 AM |
| 2/11/2016 9:09:41 AM | Log Download - Used Battery: 7% Used Memory: 14% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 10:00:00 AM |
| 2/18/2016 8:57:42 AM | Log Download - Used Battery: 7% Used Memory: 15% User Name: CShaw Interval - Start Time: 2/4/2016 5:30:00 PM Stop Time: 2/18/2016 9:45:00 AM |
| 2/25/2016 11:53:54 AM | Log Download - Used Battery: 8% Used Memory: 17% User Name: KMakar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 11:45:00 AM |
| 3/3/2016 8:50:41 AM | Log Download - Used Battery: 8% Used Memory: 17% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 9:00:00 AM |
| 3/10/2016 8:32:37 AM | Log Download - Used Battery: 8% Used Memory: 18% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 8:30:00 AM |
| 3/17/2016 5:50:14 PM | Log Download - Used Battery: 9% Used Memory: 18% User Name: SKuiper Interval - Start Time: 3/8/2016 9:00:00 AM Stop Time: 3/17/2016 6:45:00 PM |
| 3/24/2016 12:17:20 PM | Log Download - Used Battery: 9% Used Memory: 20% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 12:15:00 PM |
| 3/31/2016 10:58:28 AM | Log Download - Used Battery: 9% Used Memory: 20% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 11:45:00 AM |
| 4/7/2016 12:00:10 PM | Log Download - Used Battery: 10% Used Memory: 21% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 12:00:00 PM |
| 4/14/2016 1:21:07 PM | Log Download - Used Battery: 10% Used Memory: 21% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 2:15:00 PM |

4/21/2016 10:34:29 AM Log Download - Used Battery: 11% Used Memory: 23% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 11:30:00 AM
4/28/2016 11:02:06 AM Log Download - Used Battery: 11% Used Memory: 23% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 11:00:00 AM
5/5/2016 12:37:13 PM Log Download - Used Battery: 11% Used Memory: 25% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 12:30:00 PM
5/12/2016 4:00:09 PM Log Download - Used Battery: 12% Used Memory: 25% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 4:45:00 PM
5/19/2016 4:34:29 PM Log Download - Used Battery: 12% Used Memory: 26% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 5:30:00 PM
5/26/2016 2:16:52 PM Log Download - Used Battery: 12% Used Memory: 26% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 2:15:00 PM
6/2/2016 2:25:53 PM Log Download - Used Battery: 13% Used Memory: 28% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 2:15:00 PM
6/9/2016 10:57:13 AM Log Download - Used Battery: 13% Used Memory: 28% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 11:45:00 AM
6/16/2016 5:37:24 PM Log Download - Used Battery: 13% Used Memory: 29% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 6:30:00 PM
6/23/2016 5:37:01 PM Log Download - Used Battery: 14% Used Memory: 29% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 5:30:00 PM
6/30/2016 3:09:09 PM Log Download - Used Battery: 14% Used Memory: 31% User Name: SKuiper Interval - Start Time: 6/22/2016 12:00:00 PM Stop Time: 6/30/2016 5:45:00 PM
6/30/2016 3:47:57 PM Log Download - Used Battery: 14% Used Memory: 31% User Name: SKuiper Interval - Start Time: 6/29/2016 12:00:00 PM Stop Time: 6/30/2016 3:45:00 PM
7/1/2016 9:20:26 AM Log Download - Used Battery: 14% Used Memory: 31% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 9:15:00 AM
7/8/2016 9:19:17 AM Log Download - Used Battery: 15% Used Memory: 32% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 10:00:00 AM
7/14/2016 12:44:20 PM Log Download - Used Battery: 15% Used Memory: 32% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 1:30:00 PM
7/21/2016 1:52:40 PM Log Download - Used Battery: 15% Used Memory: 34% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 1:45:00 PM
7/28/2016 2:44:42 PM Log Download - Used Battery: 16% Used Memory: 34% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 3:30:00 PM
8/4/2016 12:08:13 PM Log Download - Used Battery: 16% Used Memory: 35% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 12:00:00 PM
8/11/2016 1:56:30 PM Log Download - Used Battery: 16% Used Memory: 35% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 2:45:00 PM
8/18/2016 11:17:02 AM Log Download - Used Battery: 17% Used Memory: 37% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 12:00:00 PM
8/25/2016 4:34:43 PM Log Download - Used Battery: 17% Used Memory: 37% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 5:30:00 PM
9/1/2016 1:17:51 PM Log Download - Used Battery: 17% Used Memory: 39% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 1:15:00 PM
9/8/2016 11:31:16 AM Log Download - Used Battery: 18% Used Memory: 39% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 12:15:00 PM
9/15/2016 6:31:56 PM Log Download - Used Battery: 18% Used Memory: 40% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 7:30:00 PM
9/22/2016 3:44:50 PM Log Download - Used Battery: 19% Used Memory: 40% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 4:30:00 PM
10/2/2016 8:30:18 AM Log Download - Used Battery: 19% Used Memory: 42% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/2/2016 9:15:00 AM
10/7/2016 6:21:22 PM Log Download - Used Battery: 19% Used Memory: 42% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 6:15:00 PM
10/13/2016 1:26:25 PM Log Download - Used Battery: 20% Used Memory: 43% User Name: SKuiper Interval - Start

Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 1:15:00 PM
10/20/2016 12:17:54 PM Log Download - Used Battery: 20% Used Memory: 43% User Name: SKuiper Interval -
Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 12:15:00 PM

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Log Data:
Record Count: 729
Sensors: 1
1 - 421436: PCTD 100 PSIG (70m/231ft)
Time Zone: Pacific Daylight Time

| | | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft |
|---|---|---|---|---|---|---|---|---|---|---|
| | Elapsed Time | SN#: 421436 | SN#: 421436 | SN#: 421436 | SN#: 421436 | SN#: 421436 | SN#: 421436 | SN#: 421436 | SN#: 421436 | SN#: 421436 |
| Date and Time | Seconds | Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppm) | Resistivity (ohm-cm) | Water Density (g/cm3) |
| 10/13/2016 12:00:00 AM | 7200.000 | 18.614 | 14.788 | 41.929 | 40983.074 | 50913.973 | 33.420 | 34621.500 | 24.400 | 1.025 |
| 10/13/2016 12:15:00 AM | 8100.000 | 18.613 | 14.787 | 41.928 | 41012.273 | 50950.770 | 33.447 | 34646.527 | 24.383 | 1.025 |
| 10/13/2016 12:30:00 AM | 9000.000 | 18.612 | 14.787 | 41.926 | 41026.602 | 50969.348 | 33.460 | 34659.156 | 24.374 | 1.025 |
| 10/13/2016 12:45:00 AM | 9900.000 | 18.611 | 14.787 | 41.923 | 41038.234 | 50983.801 | 33.471 | 34668.988 | 24.368 | 1.025 |
| 10/13/2016 1:00:00 AM | 10800.000 | 18.615 | 14.787 | 41.932 | 41000.387 | 50936.348 | 33.436 | 34636.715 | 24.390 | 1.025 |
| 10/13/2016 1:15:00 AM | 11700.000 | 18.613 | 14.787 | 41.928 | 41009.363 | 50948.133 | 33.445 | 34644.734 | 24.385 | 1.025 |
| 10/13/2016 1:30:00 AM | 12600.000 | 18.605 | 14.787 | 41.910 | 41007.375 | 50945.344 | 33.443 | 34642.836 | 24.386 | 1.025 |
| 10/13/2016 1:45:00 AM | 13500.000 | 18.601 | 14.787 | 41.901 | 40982.980 | 50914.723 | 33.420 | 34622.012 | 24.400 | 1.025 |
| 10/13/2016 2:00:00 AM | 14400.000 | 18.597 | 14.786 | 41.892 | 40997.262 | 50933.957 | 33.434 | 34635.090 | 24.392 | 1.025 |
| 10/13/2016 2:15:00 AM | 15300.000 | 18.600 | 14.787 | | | | | | | |

41.899 41017.309 50957.258 33.451
34650.941 24.380 1.025
10/13/2016 2:30:00 AM 16200.000 18.590 14.786
41.875 41006.461 50944.750 33.442
34642.434 24.386 1.025
10/13/2016 2:45:00 AM 17100.000 18.597 14.787
41.892 41014.984 50954.918 33.450
34649.344 24.381 1.025
10/13/2016 3:00:00 AM 18000.000 18.595 14.786
41.886 41002.824 50940.766 33.439
34639.727 24.389 1.025
10/13/2016 3:15:00 AM 18900.000 18.585 14.787
41.865 40997.168 50932.551 33.433
34634.141 24.392 1.025
10/13/2016 3:30:00 AM 19800.000 18.589 14.787
41.873 41012.184 50951.004 33.447
34646.688 24.383 1.025
10/13/2016 3:45:00 AM 20700.000 18.579 14.787
41.850 41002.008 50938.359 33.437
34638.090 24.389 1.025
10/13/2016 4:00:00 AM 21600.000 18.581 14.786
41.856 41025.074 50967.875 33.459
34658.156 24.375 1.025
10/13/2016 4:15:00 AM 22500.000 18.578 14.787
41.849 40991.508 50925.750 33.428
34629.512 24.395 1.025
10/13/2016 4:30:00 AM 23400.000 18.574 14.786
41.840 41004.871 50943.086 33.441
34641.301 24.387 1.025
10/13/2016 4:45:00 AM 24300.000 18.571 14.787
41.833 40968.836 50897.465 33.407
34610.277 24.409 1.025
10/13/2016 5:00:00 AM 25200.000 18.574 14.787
41.841 40986.492 50919.086 33.423
34624.980 24.398 1.025
10/13/2016 5:15:00 AM 26100.000 18.567 14.786
41.823 40990.051 50924.363 33.427
34628.566 24.396 1.025
10/13/2016 5:30:00 AM 27000.000 18.567 14.786
41.824 40969.996 50900.195 33.409
34612.133 24.408 1.025
10/13/2016 5:45:00 AM 27900.000 18.578 14.786
41.848 40968.527 50897.723 33.408
34610.453 24.409 1.025
10/13/2016 6:00:00 AM 28800.000 18.581 14.785
41.856 40974.066 50906.531 33.414
34616.445 24.406 1.025
10/13/2016 6:15:00 AM 29700.000 18.573 14.786
41.837 41001.168 50938.922 33.438
34638.469 24.390 1.025
10/13/2016 6:30:00 AM 30600.000 18.569 14.787
41.828 40988.355 50921.285 33.425
34626.473 24.397 1.025
10/13/2016 6:45:00 AM 31500.000 18.574 14.787
41.840 40976.445 50906.809 33.414

34616.629 24.404 1.025
10/13/2016 7:00:00 AM 32400.000 18.569 14.787
41.828 40993.516 50928.445 33.430
34631.344 24.394 1.025
10/13/2016 7:15:00 AM 33300.000 18.573 14.786
41.838 41010.641 50950.254 33.446
34646.176 24.384 1.025
10/13/2016 7:30:00 AM 34200.000 18.572 14.787
41.836 40996.984 50932.223 33.433
34633.910 24.392 1.025
10/13/2016 7:45:00 AM 35100.000 18.570 14.788
41.830 41008.484 50945.863 33.443
34643.188 24.385 1.025
10/13/2016 8:00:00 AM 36000.000 18.567 14.788
41.823 40977.082 50905.883 33.414
34616.000 24.404 1.025
10/13/2016 8:15:00 AM 36900.000 18.572 14.787
41.836 40995.484 50930.035 33.431
34632.426 24.393 1.025
10/13/2016 8:30:00 AM 37800.000 18.563 14.788
41.815 40994.328 50927.953 33.430
34631.008 24.394 1.025
10/13/2016 8:45:00 AM 38700.000 18.563 14.788
41.815 41014.367 50953.172 33.448
34648.160 24.382 1.025
10/13/2016 9:00:00 AM 39600.000 18.560 14.788
41.809 40985.488 50917.184 33.422
34623.684 24.399 1.025
10/13/2016 9:15:00 AM 40500.000 18.564 14.788
41.818 41012.402 50949.992 33.446
34645.996 24.383 1.025
10/13/2016 9:30:00 AM 41400.000 18.570 14.788
41.831 41034.961 50978.758 33.467
34665.559 24.369 1.025
10/13/2016 9:45:00 AM 42300.000 18.566 14.789
41.822 41003.625 50938.652 33.438
34638.285 24.388 1.025
10/13/2016 10:00:00 AM 43200.000 18.574 14.787
41.840 40994.516 50929.258 33.431
34631.898 24.394 1.025
10/13/2016 10:15:00 AM 44100.000 18.573 14.788
41.838 41021.867 50961.750 33.455
34653.996 24.377 1.025
10/13/2016 10:30:00 AM 45000.000 18.575 14.788
41.842 40994.180 50927.559 33.430
34630.742 24.394 1.025
10/13/2016 10:45:00 AM 45900.000 18.581 14.788
41.856 40978.246 50907.438 33.415
34617.063 24.403 1.025
10/13/2016 11:00:00 AM 46800.000 18.579 14.788
41.851 41033.738 50976.375 33.465
34663.938 24.370 1.025
10/13/2016 11:15:00 AM 47700.000 18.589 14.787
41.873 40968.832 50897.145 33.407
34610.063 24.409 1.025

10/13/2016 11:30:00 AM 48600.000 18.590 14.786
41.875 41007.980 50946.949 33.444
34643.930 24.385 1.025
10/13/2016 11:45:00 AM 49500.000 18.590 14.788
41.875 40960.430 50886.051 33.399
34602.516 24.414 1.025
10/13/2016 12:00:00 PM 50400.000 18.592 14.787
41.880 40975.000 50904.465 33.413
34615.035 24.405 1.025
10/13/2016 12:15:00 PM 51300.000 18.598 14.787
41.893 41004.438 50941.035 33.439
34639.902 24.388 1.025
10/13/2016 12:30:00 PM 52200.000 18.610 14.787
41.922 40992.914 50927.496 33.429
34630.699 24.394 1.025
10/13/2016 12:45:00 PM 53100.000 18.619 14.786
41.940 41033.914 50979.809 33.468
34666.270 24.370 1.025
10/13/2016 1:00:00 PM 54000.000 18.621 14.785
41.946 41014.703 50956.262 33.450
34650.262 24.382 1.025
10/13/2016 1:15:00 PM 54900.000 18.623 14.787
41.951 41003.379 50940.379 33.439
34639.457 24.388 1.025
10/13/2016 1:30:00 PM 55800.000 18.630 14.785
41.966 41016.762 50959.246 33.453
34652.289 24.380 1.025
10/13/2016 1:45:00 PM 56700.000 18.632 14.785
41.970 40993.879 50930.293 33.431
34632.598 24.394 1.025
10/13/2016 2:00:00 PM 57600.000 18.634 14.785
41.974 41027.637 50972.980 33.463
34661.629 24.374 1.025
10/13/2016 2:15:00 PM 58500.000 18.633 14.784
41.973 41024.938 50970.695 33.461
34660.074 24.375 1.025
10/13/2016 2:30:00 PM 59400.000 18.637 14.784
41.982 41006.410 50947.777 33.444
34644.488 24.386 1.025
10/13/2016 2:45:00 PM 60300.000 18.632 14.784
41.971 40982.672 50918.402 33.423
34624.516 24.401 1.025
10/13/2016 3:00:00 PM 61200.000 18.628 14.784
41.961 40978.316 50912.133 33.418
34620.250 24.403 1.025
10/13/2016 3:15:00 PM 62100.000 18.629 14.783
41.964 41013.633 50957.293 33.451
34650.961 24.382 1.025
10/13/2016 3:30:00 PM 63000.000 18.623 14.783
41.951 40987.688 50924.949 33.427
34628.969 24.398 1.025
10/13/2016 3:45:00 PM 63900.000 18.617 14.784
41.937 41000.379 50939.543 33.438
34638.895 24.390 1.025
10/13/2016 4:00:00 PM 64800.000 18.618 14.785

41.938 41029.430 50975.520 33.464
34663.355 24.373 1.025
10/13/2016 4:15:00 PM 65700.000 18.611 14.783
41.923 41001.453 50942.160 33.440
34640.672 24.389 1.025
10/13/2016 4:30:00 PM 66600.000 18.613 14.784
41.928 41018.418 50961.957 33.455
34654.133 24.379 1.025
10/13/2016 4:45:00 PM 67500.000 18.603 14.785
41.906 41015.742 50958.414 33.452
34651.727 24.381 1.025
10/13/2016 5:00:00 PM 68400.000 18.604 14.783
41.908 40996.984 50936.723 33.436
34636.973 24.392 1.025
10/13/2016 5:15:00 PM 69300.000 18.603 14.784
41.905 41013.395 50956.352 33.450
34650.320 24.382 1.025
10/13/2016 5:30:00 PM 70200.000 18.602 14.784
41.904 41040.242 50989.707 33.475
34673.000 24.366 1.025
10/13/2016 5:45:00 PM 71100.000 18.597 14.785
41.891 40990.137 50926.277 33.428
34629.867 24.396 1.025
10/13/2016 6:00:00 PM 72000.000 18.590 14.784
41.875 41002.734 50942.469 33.440
34640.879 24.389 1.025
10/13/2016 6:15:00 PM 72900.000 18.590 14.784
41.875 40987.203 50923.391 33.426
34627.906 24.398 1.025
10/13/2016 6:30:00 PM 73800.000 18.589 14.784
41.875 41015.742 50959.168 33.452
34652.238 24.381 1.025
10/13/2016 6:45:00 PM 74700.000 18.589 14.785
41.875 41002.527 50941.891 33.440
34640.488 24.389 1.025
10/13/2016 7:00:00 PM 75600.000 18.587 14.785
41.868 40976.027 50908.637 33.416
34617.879 24.405 1.025
10/13/2016 7:15:00 PM 76500.000 18.593 14.785
41.883 41001.168 50939.980 33.438
34639.191 24.390 1.025
10/13/2016 7:30:00 PM 77400.000 18.591 14.785
41.878 40971.980 50903.406 33.412
34614.320 24.407 1.025
10/13/2016 7:45:00 PM 78300.000 18.600 14.785
41.898 41007.273 50947.891 33.444
34644.570 24.386 1.025
10/13/2016 8:00:00 PM 79200.000 18.606 14.785
41.912 40998.727 50937.172 33.436
34637.281 24.391 1.025
10/13/2016 8:15:00 PM 80100.000 18.608 14.785
41.917 41005.340 50945.387 33.442
34642.863 24.387 1.025
10/13/2016 8:30:00 PM 81000.000 18.620 14.784
41.944 40977.727 50911.934 33.418

34620.113 24.404 1.025
10/13/2016 8:45:00 PM 81900.000 18.622 14.785
41.948 41019.539 50962.805 33.455
34654.707 24.379 1.025
10/13/2016 9:00:00 PM 82800.000 18.625 14.785
41.955 40999.426 50938.242 33.437
34638.004 24.391 1.025
10/13/2016 9:15:00 PM 83700.000 18.628 14.785
41.962 41001.609 50940.855 33.439
34639.781 24.389 1.025
10/13/2016 9:30:00 PM 84600.000 18.640 14.784
41.988 41041.797 50991.863 33.476
34674.469 24.365 1.025
10/13/2016 9:45:00 PM 85500.000 18.653 14.784
42.018 41017.035 50960.773 33.454
34653.328 24.380 1.025
10/13/2016 10:00:00 PM 86400.000 18.662 14.784
42.037 40977.711 50912.020 33.418
34620.176 24.404 1.025
10/13/2016 10:15:00 PM 87300.000 18.674 14.783
42.065 41021.473 50967.469 33.458
34657.879 24.377 1.025
10/13/2016 10:30:00 PM 88200.000 18.683 14.782
42.086 41046.895 51000.652 33.483
34680.445 24.362 1.025
10/13/2016 10:45:00 PM 89100.000 18.693 14.782
42.108 41009.809 50954.793 33.449
34649.258 24.384 1.025
10/13/2016 11:00:00 PM 90000.000 18.703 14.781
42.130 40980.574 50919.441 33.423
34625.223 24.402 1.025
10/13/2016 11:15:00 PM 90900.000 18.711 14.780
42.148 40997.387 50940.652 33.439
34639.645 24.392 1.025
10/13/2016 11:30:00 PM 91800.000 18.723 14.780
42.175 41025.727 50976.289 33.465
34663.875 24.375 1.025
10/13/2016 11:45:00 PM 92700.000 18.731 14.780
42.193 40974.227 50912.199 33.418
34620.301 24.406 1.025
10/14/2016 12:00:00 AM 93600.000 18.739 14.779
42.210 41025.316 50976.953 33.465
34664.328 24.375 1.025
10/14/2016 12:15:00 AM 94500.000 18.752 14.778
42.242 41004.992 50953.000 33.447
34648.039 24.387 1.025
10/14/2016 12:30:00 AM 95400.000 18.761 14.776
42.260 40981.367 50925.563 33.427
34629.383 24.401 1.025
10/14/2016 12:45:00 AM 96300.000 18.768 14.777
42.277 41004.605 50953.375 33.448
34648.301 24.388 1.025
10/14/2016 1:00:00 AM 97200.000 18.776 14.775
42.296 40995.605 50944.535 33.441
34642.289 24.393 1.025

| | | | |
|---|---|---|---|
| 10/14/2016 1:15:00 AM | 98100.000 | 18.791 | 14.774 |
| 42.329 | 40999.770 | 50950.883 | 33.446 |
| 34646.602 | 24.390 | 1.025 | |
| 10/14/2016 1:30:00 AM | 99000.000 | 18.797 | 14.774 |
| 42.343 | 40983.750 | 50932.055 | 33.432 |
| 34633.797 | 24.400 | 1.025 | |
| 10/14/2016 1:45:00 AM | 99900.000 | 18.807 | 14.772 |
| 42.365 | 41001.230 | 50955.504 | 33.449 |
| 34649.742 | 24.390 | 1.025 | |
| 10/14/2016 2:00:00 AM | 100800.000 | 18.817 | 14.772 |
| 42.386 | 40985.316 | 50935.293 | 33.434 |
| 34636.000 | 24.399 | 1.025 | |
| 10/14/2016 2:15:00 AM | 101700.000 | 18.819 | 14.772 |
| 42.392 | 40997.211 | 50950.934 | 33.445 |
| 34646.637 | 24.392 | 1.025 | |
| 10/14/2016 2:30:00 AM | 102600.000 | 18.824 | 14.770 |
| 42.403 | 41004.781 | 50962.383 | 33.454 |
| 34654.422 | 24.387 | 1.025 | |
| 10/14/2016 2:45:00 AM | 103500.000 | 18.829 | 14.771 |
| 42.415 | 40994.223 | 50948.277 | 33.443 |
| 34644.828 | 24.394 | 1.025 | |
| 10/14/2016 3:00:00 AM | 104400.000 | 18.834 | 14.769 |
| 42.426 | 41030.199 | 50995.367 | 33.478 |
| 34676.852 | 24.372 | 1.025 | |
| 10/14/2016 3:15:00 AM | 105300.000 | 18.843 | 14.769 |
| 42.445 | 41015.582 | 50977.199 | 33.464 |
| 34664.496 | 24.381 | 1.025 | |
| 10/14/2016 3:30:00 AM | 106200.000 | 18.851 | 14.768 |
| 42.464 | 40991.777 | 50949.105 | 33.444 |
| 34645.395 | 24.395 | 1.025 | |
| 10/14/2016 3:45:00 AM | 107100.000 | 18.850 | 14.767 |
| 42.462 | 40981.941 | 50937.949 | 33.435 |
| 34637.805 | 24.401 | 1.025 | |
| 10/14/2016 4:00:00 AM | 108000.000 | 18.855 | 14.766 |
| 42.473 | 40986.398 | 50944.453 | 33.440 |
| 34642.227 | 24.398 | 1.025 | |
| 10/14/2016 4:15:00 AM | 108900.000 | 18.853 | 14.766 |
| 42.469 | 40996.465 | 50956.758 | 33.449 |
| 34650.598 | 24.392 | 1.025 | |
| 10/14/2016 4:30:00 AM | 109800.000 | 18.855 | 14.765 |
| 42.473 | 41025.883 | 50994.176 | 33.477 |
| 34676.039 | 24.375 | 1.025 | |
| 10/14/2016 4:45:00 AM | 110700.000 | 18.860 | 14.766 |
| 42.484 | 40979.461 | 50936.371 | 33.434 |
| 34636.738 | 24.402 | 1.025 | |
| 10/14/2016 5:00:00 AM | 111600.000 | 18.857 | 14.766 |
| 42.478 | 40987.074 | 50945.836 | 33.441 |
| 34643.168 | 24.398 | 1.025 | |
| 10/14/2016 5:15:00 AM | 112500.000 | 18.862 | 14.764 |
| 42.488 | 41011.492 | 50977.785 | 33.464 |
| 34664.898 | 24.383 | 1.025 | |
| 10/14/2016 5:30:00 AM | 113400.000 | 18.867 | 14.764 |
| 42.500 | 41016.559 | 50984.516 | 33.469 |
| 34669.477 | 24.380 | 1.025 | |
| 10/14/2016 5:45:00 AM | 114300.000 | 18.869 | 14.763 |

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| 42.505 | 40972.539 | 50930.973 | 33.430 |
| 34633.063 | 24.407 | 1.025 | |
| 10/14/2016 6:00:00 AM | 115200.000 | 18.870 | 14.762 |
| 42.507 | 40972.750 | 50931.887 | 33.431 |
| 34633.688 | 24.406 | 1.025 | |
| 10/14/2016 6:15:00 AM | 116100.000 | 18.873 | 14.762 |
| 42.514 | 40994.309 | 50958.574 | 33.450 |
| 34651.832 | 24.394 | 1.025 | |
| 10/14/2016 6:30:00 AM | 117000.000 | 18.867 | 14.762 |
| 42.501 | 40998.688 | 50964.129 | 33.454 |
| 34655.609 | 24.391 | 1.025 | |
| 10/14/2016 6:45:00 AM | 117900.000 | 18.873 | 14.762 |
| 42.514 | 40998.133 | 50964.297 | 33.454 |
| 34655.723 | 24.391 | 1.025 | |
| 10/14/2016 7:00:00 AM | 118800.000 | 18.873 | 14.762 |
| 42.514 | 40982.574 | 50945.160 | 33.440 |
| 34642.711 | 24.401 | 1.025 | |
| 10/14/2016 7:15:00 AM | 119700.000 | 18.876 | 14.762 |
| 42.519 | 41000.586 | 50967.348 | 33.457 |
| 34657.797 | 24.390 | 1.025 | |
| 10/14/2016 7:30:00 AM | 120600.000 | 18.879 | 14.761 |
| 42.528 | 40985.625 | 50949.813 | 33.444 |
| 34645.875 | 24.399 | 1.025 | |
| 10/14/2016 7:45:00 AM | 121500.000 | 18.879 | 14.760 |
| 42.528 | 40991.797 | 50958.246 | 33.450 |
| 34651.609 | 24.395 | 1.025 | |
| 10/14/2016 8:00:00 AM | 122400.000 | 18.889 | 14.761 |
| 42.550 | 40994.898 | 50961.660 | 33.452 |
| 34653.930 | 24.393 | 1.025 | |
| 10/14/2016 8:15:00 AM | 123300.000 | 18.907 | 14.759 |
| 42.589 | 41036.250 | 51014.887 | 33.491 |
| 34690.129 | 24.369 | 1.025 | |
| 10/14/2016 8:30:00 AM | 124200.000 | 18.929 | 14.758 |
| 42.641 | 40999.859 | 50970.840 | 33.459 |
| 34660.176 | 24.390 | 1.025 | |
| 10/14/2016 8:45:00 AM | 125100.000 | 18.944 | 14.757 |
| 42.672 | 40993.008 | 50963.816 | 33.454 |
| 34655.395 | 24.394 | 1.025 | |
| 10/14/2016 9:00:00 AM | 126000.000 | 18.956 | 14.756 |
| 42.700 | 41022.965 | 51001.809 | 33.481 |
| 34681.234 | 24.377 | 1.025 | |
| 10/14/2016 9:15:00 AM | 126900.000 | 18.970 | 14.756 |
| 42.732 | 41017.906 | 50995.195 | 33.477 |
| 34676.734 | 24.380 | 1.025 | |
| 10/14/2016 9:30:00 AM | 127800.000 | 18.994 | 14.755 |
| 42.786 | 40992.504 | 50965.555 | 33.455 |
| 34656.578 | 24.395 | 1.025 | |
| 10/14/2016 9:45:00 AM | 128700.000 | 19.006 | 14.754 |
| 42.813 | 40971.563 | 50940.164 | 33.436 |
| 34639.313 | 24.407 | 1.025 | |
| 10/14/2016 10:00:00 AM | 129600.000 | 19.022 | 14.753 |
| 42.849 | 40976.840 | 50948.328 | 33.442 |
| 34644.863 | 24.404 | 1.025 | |
| 10/14/2016 10:15:00 AM | 130500.000 | 19.039 | 14.753 |
| 42.886 | 41055.512 | 51046.359 | 33.514 |

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| 34711.523 | 24.357 | 1.025 | |
| 10/14/2016 10:30:00 AM | 131400.000 | 19.053 | 14.751 |
| 42.918 | 40972.074 | 50945.406 | 33.440 |
| 34642.875 | 24.407 | 1.025 | |
| 10/14/2016 10:45:00 AM | 132300.000 | 19.074 | 14.749 |
| 42.967 | 40977.816 | 50953.828 | 33.446 |
| 34648.602 | 24.403 | 1.025 | |
| 10/14/2016 11:00:00 AM | 133200.000 | 19.085 | 14.748 |
| 42.990 | 40989.426 | 50969.559 | 33.457 |
| 34659.301 | 24.397 | 1.025 | |
| 10/14/2016 11:15:00 AM | 134100.000 | 19.100 | 14.748 |
| 43.024 | 40963.398 | 50937.301 | 33.433 |
| 34637.363 | 24.412 | 1.025 | |
| 10/14/2016 11:30:00 AM | 135000.000 | 19.112 | 14.747 |
| 43.052 | 40997.305 | 50980.531 | 33.465 |
| 34666.762 | 24.392 | 1.025 | |
| 10/14/2016 11:45:00 AM | 135900.000 | 19.123 | 14.746 |
| 43.077 | 40954.734 | 50929.625 | 33.428 |
| 34632.145 | 24.417 | 1.025 | |
| 10/14/2016 12:00:00 PM | 136800.000 | 19.135 | 14.744 |
| 43.104 | 40972.227 | 50953.090 | 33.445 |
| 34648.102 | 24.407 | 1.025 | |
| 10/14/2016 12:15:00 PM | 137700.000 | 19.145 | 14.744 |
| 43.126 | 40976.766 | 50959.707 | 33.450 |
| 34652.602 | 24.404 | 1.025 | |
| 10/14/2016 12:30:00 PM | 138600.000 | 19.151 | 14.742 |
| 43.140 | 41024.734 | 51021.508 | 33.495 |
| 34694.625 | 24.376 | 1.025 | |
| 10/14/2016 12:45:00 PM | 139500.000 | 19.167 | 14.741 |
| 43.176 | 40972.023 | 50957.355 | 33.448 |
| 34651.004 | 24.407 | 1.025 | |
| 10/14/2016 1:00:00 PM | 140400.000 | 19.173 | 14.740 |
| 43.189 | 40973.980 | 50960.332 | 33.450 |
| 34653.031 | 24.406 | 1.025 | |
| 10/14/2016 1:15:00 PM | 141300.000 | 19.186 | 14.737 |
| 43.218 | 41003.262 | 51001.133 | 33.479 |
| 34680.770 | 24.388 | 1.025 | |
| 10/14/2016 1:30:00 PM | 142200.000 | 19.193 | 14.737 |
| 43.234 | 40963.891 | 50952.164 | 33.443 |
| 34647.477 | 24.412 | 1.025 | |
| 10/14/2016 1:45:00 PM | 143100.000 | 19.195 | 14.735 |
| 43.239 | 40973.434 | 50965.547 | 33.453 |
| 34656.570 | 24.406 | 1.025 | |
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| 34643.250 | 24.416 | 1.025 | |
| 10/14/2016 2:15:00 PM | 144900.000 | 19.201 | 14.734 |
| 43.252 | 40980.664 | 50976.684 | 33.461 |
| 34664.145 | 24.402 | 1.025 | |
| 10/14/2016 2:30:00 PM | 145800.000 | 19.206 | 14.733 |
| 43.264 | 41024.805 | 51032.027 | 33.502 |
| 34701.777 | 24.375 | 1.025 | |
| 10/14/2016 2:45:00 PM | 146700.000 | 19.214 | 14.731 |
| 43.281 | 40975.109 | 50973.313 | 33.458 |
| 34661.855 | 24.405 | 1.025 | |

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| 10/14/2016 3:00:00 PM | 147600.000 | 19.219 | 14.730 |
| 43.292 | 40975.129 | 50973.762 | 33.459 |
| 34662.164 | 24.405 | 1.025 | |
| 10/14/2016 3:15:00 PM | 148500.000 | 19.212 | 14.729 |
| 43.278 | 40982.668 | 50984.973 | 33.467 |
| 34669.785 | 24.401 | 1.025 | |
| 10/14/2016 3:30:00 PM | 149400.000 | 19.216 | 14.729 |
| 43.286 | 40978.906 | 50980.512 | 33.463 |
| 34666.750 | 24.403 | 1.025 | |
| 10/14/2016 3:45:00 PM | 150300.000 | 19.219 | 14.727 |
| 43.292 | 41003.129 | 51012.250 | 33.487 |
| 34688.336 | 24.388 | 1.025 | |
| 10/14/2016 4:00:00 PM | 151200.000 | 19.213 | 14.727 |
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| 34659.258 | 24.409 | 1.025 | |
| 10/14/2016 4:15:00 PM | 152100.000 | 19.213 | 14.727 |
| 43.278 | 40962.410 | 50962.348 | 33.450 |
| 34654.398 | 24.413 | 1.025 | |
| 10/14/2016 4:30:00 PM | 153000.000 | 19.214 | 14.726 |
| 43.281 | 40969.855 | 50972.367 | 33.457 |
| 34661.215 | 24.408 | 1.025 | |
| 10/14/2016 4:45:00 PM | 153900.000 | 19.205 | 14.725 |
| 43.260 | 40968.691 | 50972.527 | 33.457 |
| 34661.324 | 24.409 | 1.025 | |
| 10/14/2016 5:00:00 PM | 154800.000 | 19.209 | 14.725 |
| 43.270 | 40999.387 | 51010.070 | 33.485 |
| 34686.848 | 24.391 | 1.025 | |
| 10/14/2016 5:15:00 PM | 155700.000 | 19.210 | 14.724 |
| 43.273 | 40966.453 | 50970.270 | 33.456 |
| 34659.785 | 24.410 | 1.025 | |
| 10/14/2016 5:30:00 PM | 156600.000 | 19.208 | 14.724 |
| 43.269 | 40992.449 | 51002.945 | 33.480 |
| 34682.008 | 24.395 | 1.025 | |
| 10/14/2016 5:45:00 PM | 157500.000 | 19.208 | 14.723 |
| 43.268 | 40977.012 | 50985.023 | 33.466 |
| 34669.820 | 24.404 | 1.025 | |
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| 43.251 | 41001.617 | 51016.703 | 33.489 |
| 34691.359 | 24.389 | 1.025 | |
| 10/14/2016 6:15:00 PM | 159300.000 | 19.206 | 14.721 |
| 43.262 | 40964.449 | 50971.426 | 33.456 |
| 34660.570 | 24.411 | 1.025 | |
| 10/14/2016 6:30:00 PM | 160200.000 | 19.202 | 14.721 |
| 43.254 | 40987.172 | 50999.809 | 33.477 |
| 34679.875 | 24.398 | 1.025 | |
| 10/14/2016 6:45:00 PM | 161100.000 | 19.202 | 14.721 |
| 43.255 | 40963.625 | 50970.625 | 33.456 |
| 34660.027 | 24.412 | 1.025 | |
| 10/14/2016 7:00:00 PM | 162000.000 | 19.204 | 14.720 |
| 43.258 | 40967.480 | 50976.402 | 33.460 |
| 34663.957 | 24.410 | 1.025 | |
| 10/14/2016 7:15:00 PM | 162900.000 | 19.201 | 14.720 |
| 43.251 | 40999.422 | 51016.883 | 33.489 |
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| 10/14/2016 7:30:00 PM | 163800.000 | 19.199 | 14.720 |

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| 43.247 | 40960.078 | 50967.926 | 33.454 |
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| 10/14/2016 7:45:00 PM | 164700.000 | 19.205 | 14.719 |
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| 34687.129 | 24.394 | 1.025 | |
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| 43.261 | 40994.969 | 51013.063 | 33.486 |
| 34688.883 | 24.393 | 1.025 | |
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| 43.309 | 40962.441 | 50974.621 | 33.458 |
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| 43.350 | 40956.082 | 50965.531 | 33.452 |
| 34656.563 | 24.416 | 1.025 | |
| 10/14/2016 9:00:00 PM | 169200.000 | 19.256 | 14.715 |
| 43.377 | 40984.211 | 51003.434 | 33.479 |
| 34682.340 | 24.400 | 1.025 | |
| 10/14/2016 9:15:00 PM | 170100.000 | 19.263 | 14.716 |
| 43.391 | 40979.809 | 50996.777 | 33.474 |
| 34677.813 | 24.402 | 1.025 | |
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| 43.415 | 40994.516 | 51018.090 | 33.490 |
| 34692.301 | 24.394 | 1.025 | |
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| 43.417 | 40958.488 | 50971.746 | 33.456 |
| 34660.789 | 24.415 | 1.025 | |
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| 43.440 | 40948.156 | 50959.320 | 33.447 |
| 34652.340 | 24.421 | 1.025 | |
| 10/14/2016 10:15:00 PM | 173700.000 | 19.303 | 14.713 |
| 43.481 | 40960.832 | 50977.344 | 33.460 |
| 34664.598 | 24.414 | 1.025 | |
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| 43.481 | 40965.836 | 50983.359 | 33.464 |
| 34668.688 | 24.411 | 1.025 | |
| 10/14/2016 10:45:00 PM | 175500.000 | 19.308 | 14.712 |
| 43.494 | 40981.125 | 51003.254 | 33.479 |
| 34682.215 | 24.401 | 1.025 | |
| 10/14/2016 11:00:00 PM | 176400.000 | 19.321 | 14.710 |
| 43.522 | 40980.957 | 51005.082 | 33.480 |
| 34683.461 | 24.402 | 1.025 | |
| 10/14/2016 11:15:00 PM | 177300.000 | 19.328 | 14.709 |
| 43.539 | 40964.949 | 50986.230 | 33.466 |
| 34670.641 | 24.411 | 1.025 | |
| 10/14/2016 11:30:00 PM | 178200.000 | 19.338 | 14.709 |
| 43.562 | 40960.805 | 50981.941 | 33.463 |
| 34667.723 | 24.414 | 1.025 | |
| 10/14/2016 11:45:00 PM | 179100.000 | 19.340 | 14.708 |
| 43.564 | 41000.777 | 51032.859 | 33.500 |
| 34702.348 | 24.390 | 1.025 | |
| 10/15/2016 12:00:00 AM | 180000.000 | 19.338 | 14.707 |
| 43.561 | 40964.129 | 50988.215 | 33.467 |

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| 34671.988 | 24.412 | 1.025 | |
| 10/15/2016 12:15:00 AM | 180900.000 | 19.329 | 14.707 |
| 43.540 | 40940.070 | 50958.813 | 33.446 |
| 34651.992 | 24.426 | 1.025 | |
| 10/15/2016 12:30:00 AM | 181800.000 | 19.344 | 14.706 |
| 43.574 | 40953.391 | 50976.258 | 33.458 |
| 34663.855 | 24.418 | 1.025 | |
| 10/15/2016 12:45:00 AM | 182700.000 | 19.355 | 14.705 |
| 43.600 | 40970.324 | 50998.832 | 33.475 |
| 34679.207 | 24.408 | 1.025 | |
| 10/15/2016 1:00:00 AM | 183600.000 | 19.345 | 14.704 |
| 43.577 | 40971.383 | 51000.352 | 33.476 |
| 34680.242 | 24.407 | 1.025 | |
| 10/15/2016 1:15:00 AM | 184500.000 | 19.355 | 14.703 |
| 43.600 | 40969.934 | 51000.609 | 33.476 |
| 34680.418 | 24.408 | 1.025 | |
| 10/15/2016 1:30:00 AM | 185400.000 | 19.349 | 14.703 |
| 43.586 | 40979.398 | 51011.531 | 33.484 |
| 34687.844 | 24.403 | 1.025 | |
| 10/15/2016 1:45:00 AM | 186300.000 | 19.350 | 14.702 |
| 43.587 | 40981.527 | 51016.430 | 33.488 |
| 34691.172 | 24.401 | 1.025 | |
| 10/15/2016 2:00:00 AM | 187200.000 | 19.355 | 14.701 |
| 43.599 | 40963.590 | 50994.527 | 33.471 |
| 34676.277 | 24.412 | 1.025 | |
| 10/15/2016 2:15:00 AM | 188100.000 | 19.357 | 14.700 |
| 43.604 | 40946.047 | 50974.195 | 33.456 |
| 34662.457 | 24.422 | 1.025 | |
| 10/15/2016 2:30:00 AM | 189000.000 | 19.357 | 14.700 |
| 43.603 | 40953.023 | 50983.426 | 33.463 |
| 34668.730 | 24.418 | 1.025 | |
| 10/15/2016 2:45:00 AM | 189900.000 | 19.353 | 14.699 |
| 43.594 | 40983.734 | 51022.613 | 33.492 |
| 34695.383 | 24.400 | 1.025 | |
| 10/15/2016 3:00:00 AM | 190800.000 | 19.354 | 14.699 |
| 43.598 | 40987.211 | 51026.941 | 33.495 |
| 34698.324 | 24.398 | 1.025 | |
| 10/15/2016 3:15:00 AM | 191700.000 | 19.352 | 14.698 |
| 43.592 | 40978.141 | 51016.094 | 33.487 |
| 34690.949 | 24.403 | 1.025 | |
| 10/15/2016 3:30:00 AM | 192600.000 | 19.348 | 14.696 |
| 43.583 | 40949.793 | 50983.262 | 33.463 |
| 34668.617 | 24.420 | 1.025 | |
| 10/15/2016 3:45:00 AM | 193500.000 | 19.346 | 14.696 |
| 43.579 | 40968.141 | 51006.539 | 33.480 |
| 34684.449 | 24.409 | 1.025 | |
| 10/15/2016 4:00:00 AM | 194400.000 | 19.351 | 14.697 |
| 43.590 | 40992.313 | 51035.773 | 33.501 |
| 34704.332 | 24.395 | 1.025 | |
| 10/15/2016 4:15:00 AM | 195300.000 | 19.336 | 14.696 |
| 43.556 | 40964.141 | 51001.328 | 33.476 |
| 34680.906 | 24.412 | 1.025 | |
| 10/15/2016 4:30:00 AM | 196200.000 | 19.331 | 14.696 |
| 43.546 | 40967.355 | 51005.332 | 33.479 |
| 34683.629 | 24.410 | 1.025 | |

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| 43.543 | 40991.484 | 51036.887 | 33.502 |
| 34705.082 | 24.395 | 1.025 | |
| 10/15/2016 5:00:00 AM | 198000.000 | 19.329 | 14.695 |
| 43.541 | 40962.000 | 50999.645 | 33.475 |
| 34679.762 | 24.413 | 1.025 | |
| 10/15/2016 5:15:00 AM | 198900.000 | 19.323 | 14.694 |
| 43.527 | 40947.730 | 50983.273 | 33.463 |
| 34668.625 | 24.421 | 1.025 | |
| 10/15/2016 5:30:00 AM | 199800.000 | 19.323 | 14.693 |
| 43.526 | 40981.375 | 51026.574 | 33.494 |
| 34698.070 | 24.401 | 1.025 | |
| 10/15/2016 5:45:00 AM | 200700.000 | 19.320 | 14.694 |
| 43.519 | 41000.371 | 51049.566 | 33.511 |
| 34713.707 | 24.390 | 1.025 | |
| 10/15/2016 6:00:00 AM | 201600.000 | 19.315 | 14.693 |
| 43.508 | 40987.273 | 51034.016 | 33.500 |
| 34703.133 | 24.398 | 1.025 | |
| 10/15/2016 6:15:00 AM | 202500.000 | 19.309 | 14.693 |
| 43.496 | 40986.793 | 51033.199 | 33.499 |
| 34702.574 | 24.398 | 1.025 | |
| 10/15/2016 6:30:00 AM | 203400.000 | 19.309 | 14.692 |
| 43.497 | 40986.973 | 51034.391 | 33.500 |
| 34703.387 | 24.398 | 1.025 | |
| 10/15/2016 6:45:00 AM | 204300.000 | 19.306 | 14.692 |
| 43.488 | 40962.695 | 51004.598 | 33.478 |
| 34683.129 | 24.412 | 1.025 | |
| 10/15/2016 7:00:00 AM | 205200.000 | 19.305 | 14.692 |
| 43.487 | 40991.203 | 51040.422 | 33.504 |
| 34707.488 | 24.395 | 1.025 | |
| 10/15/2016 7:15:00 AM | 206100.000 | 19.308 | 14.691 |
| 43.494 | 40964.578 | 51007.684 | 33.480 |
| 34685.227 | 24.411 | 1.025 | |
| 10/15/2016 7:30:00 AM | 207000.000 | 19.301 | 14.691 |
| 43.477 | 40962.184 | 51005.563 | 33.479 |
| 34683.785 | 24.413 | 1.025 | |
| 10/15/2016 7:45:00 AM | 207900.000 | 19.305 | 14.692 |
| 43.486 | 40971.086 | 51015.582 | 33.486 |
| 34690.598 | 24.407 | 1.025 | |
| 10/15/2016 8:00:00 AM | 208800.000 | 19.303 | 14.691 |
| 43.481 | 40962.703 | 51005.473 | 33.479 |
| 34683.723 | 24.412 | 1.025 | |
| 10/15/2016 8:15:00 AM | 209700.000 | 19.312 | 14.690 |
| 43.503 | 40969.250 | 51015.559 | 33.486 |
| 34690.582 | 24.409 | 1.025 | |
| 10/15/2016 8:30:00 AM | 210600.000 | 19.314 | 14.690 |
| 43.507 | 40951.285 | 50992.855 | 33.469 |
| 34675.141 | 24.419 | 1.025 | |
| 10/15/2016 8:45:00 AM | 211500.000 | 19.311 | 14.691 |
| 43.499 | 40970.195 | 51015.430 | 33.486 |
| 34690.496 | 24.408 | 1.025 | |
| 10/15/2016 9:00:00 AM | 212400.000 | 19.321 | 14.689 |
| 43.523 | 40975.797 | 51024.461 | 33.492 |
| 34696.637 | 24.405 | 1.025 | |
| 10/15/2016 9:15:00 AM | 213300.000 | 19.333 | 14.689 |

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| 43.548 | 40950.945 | 50993.301 | 33.470 |
| 34675.445 | 24.419 | 1.025 | |
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| 43.577 | 40964.262 | 51009.012 | 33.481 |
| 34686.129 | 24.412 | 1.025 | |
| 10/15/2016 9:45:00 AM | 215100.000 | 19.356 | 14.689 |
| 43.601 | 40948.344 | 50990.273 | 33.467 |
| 34673.391 | 24.421 | 1.025 | |
| 10/15/2016 10:00:00 AM | 216000.000 | 19.367 | 14.688 |
| 43.627 | 40953.867 | 50998.559 | 33.473 |
| 34679.020 | 24.418 | 1.025 | |
| 10/15/2016 10:15:00 AM | 216900.000 | 19.384 | 14.688 |
| 43.665 | 40937.449 | 50978.629 | 33.459 |
| 34665.469 | 24.428 | 1.025 | |
| 10/15/2016 10:30:00 AM | 217800.000 | 19.396 | 14.687 |
| 43.690 | 40952.859 | 50999.023 | 33.474 |
| 34679.336 | 24.418 | 1.025 | |
| 10/15/2016 10:45:00 AM | 218700.000 | 19.407 | 14.686 |
| 43.716 | 40965.828 | 51016.137 | 33.486 |
| 34690.977 | 24.411 | 1.025 | |
| 10/15/2016 11:00:00 AM | 219600.000 | 19.422 | 14.685 |
| 43.750 | 40952.426 | 51000.297 | 33.474 |
| 34680.207 | 24.419 | 1.025 | |
| 10/15/2016 11:15:00 AM | 220500.000 | 19.432 | 14.685 |
| 43.772 | 40983.738 | 51039.293 | 33.503 |
| 34706.723 | 24.400 | 1.025 | |
| 10/15/2016 11:30:00 AM | 221400.000 | 19.437 | 14.684 |
| 43.784 | 40943.910 | 50991.313 | 33.468 |
| 34674.094 | 24.424 | 1.025 | |
| 10/15/2016 11:45:00 AM | 222300.000 | 19.447 | 14.681 |
| 43.807 | 40969.453 | 51025.922 | 33.493 |
| 34697.633 | 24.408 | 1.025 | |
| 10/15/2016 12:00:00 PM | 223200.000 | 19.456 | 14.683 |
| 43.826 | 40970.855 | 51026.277 | 33.493 |
| 34697.867 | 24.408 | 1.025 | |
| 10/15/2016 12:15:00 PM | 224100.000 | 19.465 | 14.682 |
| 43.848 | 40985.004 | 51044.852 | 33.507 |
| 34710.504 | 24.399 | 1.025 | |
| 10/15/2016 12:30:00 PM | 225000.000 | 19.469 | 14.680 |
| 43.856 | 40963.313 | 51019.781 | 33.488 |
| 34693.453 | 24.412 | 1.025 | |
| 10/15/2016 12:45:00 PM | 225900.000 | 19.479 | 14.679 |
| 43.879 | 40941.066 | 50993.242 | 33.469 |
| 34675.406 | 24.425 | 1.025 | |
| 10/15/2016 1:00:00 PM | 226800.000 | 19.486 | 14.679 |
| 43.895 | 40972.031 | 51032.250 | 33.497 |
| 34701.930 | 24.407 | 1.025 | |
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| 34711.668 | 24.401 | 1.025 | |
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| 43.906 | 40972.836 | 51035.953 | 33.500 |
| 34704.453 | 24.406 | 1.025 | |
| 10/15/2016 1:45:00 PM | 229500.000 | 19.495 | 14.677 |
| 43.914 | 40963.055 | 51023.871 | 33.491 |

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43.897 40947.605 51006.570 33.478
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43.881 40955.965 51016.871 33.486
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43.888 40945.262 51004.828 33.477
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34700.152 24.411 1.025
10/15/2016 3:00:00 PM 234000.000 19.478 14.673
43.877 40964.770 51029.867 33.495
34700.309 24.411 1.025
10/15/2016 3:15:00 PM 234900.000 19.477 14.672
43.873 40971.809 51040.270 33.503
34707.387 24.407 1.025
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43.873 40975.105 51045.340 33.506
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34685.445 24.424 1.025
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43.810 40954.797 51021.871 33.489
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43.803 40942.820 51008.887 33.479
34686.043 24.424 1.025
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34695.617 24.417 1.025
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34706.074 24.411 1.025
10/15/2016 6:15:00 PM 245700.000 19.426 14.666
43.759 40970.199 51044.941 33.506
34710.559 24.408 1.025

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| 43.742 | 40917.328 | 50978.961 | 33.457 |
| 34665.695 | 24.440 | 1.025 | |
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| 43.730 | 40965.426 | 51039.199 | 33.501 |
| 34706.656 | 24.411 | 1.025 | |
| 10/15/2016 7:00:00 PM | 248400.000 | 19.406 | 14.666 |
| 43.713 | 40978.816 | 51056.102 | 33.514 |
| 34718.152 | 24.403 | 1.025 | |
| 10/15/2016 7:15:00 PM | 249300.000 | 19.403 | 14.666 |
| 43.708 | 40947.430 | 51017.535 | 33.485 |
| 34691.930 | 24.422 | 1.025 | |
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| 43.692 | 40961.770 | 51034.754 | 33.498 |
| 34703.637 | 24.413 | 1.025 | |
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| 43.681 | 40947.395 | 51015.984 | 33.484 |
| 34690.871 | 24.422 | 1.025 | |
| 10/15/2016 8:00:00 PM | 252000.000 | 19.389 | 14.665 |
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| 34700.395 | 24.416 | 1.025 | |
| 10/15/2016 8:15:00 PM | 252900.000 | 19.383 | 14.666 |
| 43.663 | 40935.879 | 51003.355 | 33.475 |
| 34682.281 | 24.428 | 1.025 | |
| 10/15/2016 8:30:00 PM | 253800.000 | 19.380 | 14.666 |
| 43.656 | 40916.973 | 50979.488 | 33.457 |
| 34666.055 | 24.440 | 1.025 | |
| 10/15/2016 8:45:00 PM | 254700.000 | 19.380 | 14.666 |
| 43.656 | 40943.813 | 51012.492 | 33.482 |
| 34688.500 | 24.424 | 1.025 | |
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| 43.649 | 40947.219 | 51017.063 | 33.485 |
| 34691.605 | 24.422 | 1.025 | |
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| 34708.742 | 24.410 | 1.025 | |
| 10/15/2016 9:30:00 PM | 257400.000 | 19.369 | 14.666 |
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| 34696.648 | 24.418 | 1.025 | |
| 10/15/2016 9:45:00 PM | 258300.000 | 19.369 | 14.666 |
| 43.631 | 40969.809 | 51044.879 | 33.505 |
| 34710.523 | 24.408 | 1.025 | |
| 10/15/2016 10:00:00 PM | 259200.000 | 19.369 | 14.665 |
| 43.630 | 40951.371 | 51023.086 | 33.489 |
| 34695.703 | 24.419 | 1.025 | |
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| 34697.898 | 24.418 | 1.025 | |
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| 34742.656 | 24.386 | 1.025 | |
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| 34686.934 | 24.426 | 1.025 | |
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| 34722.090 | 24.401 | 1.025 | |
| 10/15/2016 11:15:00 PM | 263700.000 | 19.426 | 14.664 |
| 43.759 | 40967.785 | 51045.262 | 33.506 |
| 34710.777 | 24.409 | 1.025 | |
| 10/15/2016 11:30:00 PM | 264600.000 | 19.431 | 14.663 |
| 43.771 | 40914.949 | 50980.086 | 33.458 |
| 34666.457 | 24.441 | 1.025 | |
| 10/15/2016 11:45:00 PM | 265500.000 | 19.434 | 14.662 |
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| 34696.094 | 24.421 | 1.025 | |
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| 43.825 | 40966.707 | 51044.891 | 33.505 |
| 34710.531 | 24.410 | 1.025 | |
| 10/16/2016 12:30:00 AM | 268200.000 | 19.453 | 14.662 |
| 43.819 | 40954.344 | 51030.887 | 33.495 |
| 34701.004 | 24.417 | 1.025 | |
| 10/16/2016 12:45:00 AM | 269100.000 | 19.460 | 14.662 |
| 43.835 | 40956.199 | 51032.762 | 33.496 |
| 34702.277 | 24.416 | 1.025 | |
| 10/16/2016 1:00:00 AM | 270000.000 | 19.473 | 14.661 |
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| 34669.641 | 24.440 | 1.025 | |
| 10/16/2016 1:15:00 AM | 270900.000 | 19.468 | 14.660 |
| 43.853 | 40950.121 | 51027.461 | 33.492 |
| 34698.672 | 24.420 | 1.025 | |
| 10/16/2016 1:30:00 AM | 271800.000 | 19.476 | 14.660 |
| 43.871 | 40942.621 | 51018.000 | 33.485 |
| 34692.246 | 24.424 | 1.025 | |
| 10/16/2016 1:45:00 AM | 272700.000 | 19.466 | 14.660 |
| 43.850 | 40927.996 | 50999.891 | 33.472 |
| 34679.930 | 24.433 | 1.025 | |
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| 43.852 | 40899.105 | 50964.426 | 33.446 |
| 34655.813 | 24.450 | 1.025 | |
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| 43.855 | 40958.492 | 51038.527 | 33.500 |
| 34706.199 | 24.415 | 1.025 | |
| 10/16/2016 2:30:00 AM | 275400.000 | 19.469 | 14.659 |
| 43.857 | 40938.840 | 51014.891 | 33.483 |
| 34690.129 | 24.427 | 1.025 | |
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| 43.850 | 40980.906 | 51068.285 | 33.522 |
| 34726.438 | 24.402 | 1.025 | |
| 10/16/2016 3:00:00 AM | 277200.000 | 19.470 | 14.657 |
| 43.858 | 40951.125 | 51033.008 | 33.496 |
| 34702.445 | 24.419 | 1.025 | |
| 10/16/2016 3:15:00 AM | 278100.000 | 19.466 | 14.657 |
| 43.850 | 40990.977 | 51082.246 | 33.532 |
| 34735.926 | 24.396 | 1.025 | |
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43.763 40927.836 51006.902 33.477
34684.695 24.433 1.025
10/16/2016 6:00:00 AM 288000.000 19.415 14.653
43.735 40948.813 51034.539 33.497
34703.492 24.421 1.025
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43.734 40964.324 51053.242 33.511
34716.207 24.411 1.025
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43.734 40940.891 51024.242 33.489
34696.488 24.425 1.025
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34703.152 24.421 1.025
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43.699 40974.363 51066.383 33.520
34725.145 24.406 1.025
10/16/2016 7:30:00 AM 293400.000 19.393 14.653
43.685 40958.652 51046.805 33.506
34711.832 24.415 1.025
10/16/2016 7:45:00 AM 294300.000 19.396 14.653
43.692 40974.793 51067.152 33.521
34725.668 24.405 1.025
10/16/2016 8:00:00 AM 295200.000 19.393 14.653
43.685 40947.434 51033.156 33.496
34702.551 24.422 1.025

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| 10/16/2016 8:15:00 AM | 296100.000 | 19.390 | 14.652 |
| 43.679 | 40928.801 | 51010.691 | 33.479 |
| 34687.270 | 24.433 | 1.025 | |
| 10/16/2016 8:30:00 AM | 297000.000 | 19.393 | 14.653 |
| 43.685 | 40945.672 | 51030.512 | 33.494 |
| 34700.754 | 24.423 | 1.025 | |
| 10/16/2016 8:45:00 AM | 297900.000 | 19.392 | 14.653 |
| 43.682 | 40979.598 | 51072.484 | 33.525 |
| 34729.289 | 24.402 | 1.025 | |
| 10/16/2016 9:00:00 AM | 298800.000 | 19.397 | 14.652 |
| 43.694 | 40952.176 | 51039.703 | 33.500 |
| 34707.000 | 24.419 | 1.025 | |
| 10/16/2016 9:15:00 AM | 299700.000 | 19.399 | 14.653 |
| 43.699 | 40921.746 | 51001.039 | 33.472 |
| 34680.711 | 24.437 | 1.025 | |
| 10/16/2016 9:30:00 AM | 300600.000 | 19.415 | 14.651 |
| 43.734 | 40940.094 | 51026.367 | 33.491 |
| 34697.934 | 24.426 | 1.025 | |
| 10/16/2016 9:45:00 AM | 301500.000 | 19.430 | 14.652 |
| 43.767 | 40959.691 | 51049.508 | 33.508 |
| 34713.664 | 24.414 | 1.025 | |
| 10/16/2016 10:00:00 AM | 302400.000 | 19.443 | 14.652 |
| 43.797 | 40962.328 | 51052.246 | 33.510 |
| 34715.531 | 24.413 | 1.025 | |
| 10/16/2016 10:15:00 AM | 303300.000 | 19.463 | 14.651 |
| 43.842 | 40943.301 | 51029.719 | 33.493 |
| 34700.215 | 24.424 | 1.025 | |
| 10/16/2016 10:30:00 AM | 304200.000 | 19.466 | 14.650 |
| 43.849 | 40928.473 | 51012.637 | 33.480 |
| 34688.594 | 24.433 | 1.025 | |
| 10/16/2016 10:45:00 AM | 305100.000 | 19.479 | 14.649 |
| 43.878 | 40963.234 | 51056.938 | 33.513 |
| 34718.719 | 24.412 | 1.025 | |
| 10/16/2016 11:00:00 AM | 306000.000 | 19.495 | 14.650 |
| 43.915 | 40946.973 | 51036.461 | 33.498 |
| 34704.797 | 24.422 | 1.025 | |
| 10/16/2016 11:15:00 AM | 306900.000 | 19.499 | 14.649 |
| 43.924 | 40922.332 | 51006.066 | 33.476 |
| 34684.129 | 24.437 | 1.025 | |
| 10/16/2016 11:30:00 AM | 307800.000 | 19.507 | 14.648 |
| 43.940 | 40938.336 | 51027.730 | 33.491 |
| 34698.855 | 24.427 | 1.025 | |
| 10/16/2016 11:45:00 AM | 308700.000 | 19.520 | 14.648 |
| 43.970 | 40947.613 | 51039.191 | 33.500 |
| 34706.652 | 24.421 | 1.025 | |
| 10/16/2016 12:00:00 PM | 309600.000 | 19.525 | 14.647 |
| 43.982 | 40965.020 | 51061.750 | 33.516 |
| 34721.992 | 24.411 | 1.025 | |
| 10/16/2016 12:15:00 PM | 310500.000 | 19.535 | 14.648 |
| 44.005 | 40963.605 | 51059.551 | 33.515 |
| 34720.496 | 24.412 | 1.025 | |
| 10/16/2016 12:30:00 PM | 311400.000 | 19.541 | 14.647 |
| 44.019 | 40935.453 | 51024.996 | 33.489 |
| 34697.000 | 24.429 | 1.025 | |
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| 44.036 | 40955.523 | 51051.422 | 33.509 |
| 34714.969 | 24.417 | 1.025 | |
| 10/16/2016 1:00:00 PM | 313200.000 | 19.552 | 14.645 |
| 44.042 | 40938.684 | 51031.406 | 33.494 |
| 34701.359 | 24.427 | 1.025 | |
| 10/16/2016 1:15:00 PM | 314100.000 | 19.555 | 14.645 |
| 44.050 | 40978.754 | 51082.098 | 33.531 |
| 34735.828 | 24.403 | 1.025 | |
| 10/16/2016 1:30:00 PM | 315000.000 | 19.569 | 14.644 |
| 44.082 | 40955.090 | 51052.934 | 33.510 |
| 34716.000 | 24.417 | 1.025 | |
| 10/16/2016 1:45:00 PM | 315900.000 | 19.576 | 14.643 |
| 44.097 | 40959.273 | 51060.078 | 33.515 |
| 34720.852 | 24.414 | 1.025 | |
| 10/16/2016 2:00:00 PM | 316800.000 | 19.582 | 14.643 |
| 44.111 | 40953.211 | 51052.316 | 33.509 |
| 34715.578 | 24.418 | 1.025 | |
| 10/16/2016 2:15:00 PM | 317700.000 | 19.579 | 14.642 |
| 44.103 | 40947.574 | 51046.465 | 33.505 |
| 34711.598 | 24.421 | 1.025 | |
| 10/16/2016 2:30:00 PM | 318600.000 | 19.583 | 14.640 |
| 44.112 | 40917.297 | 51011.102 | 33.478 |
| 34687.555 | 24.440 | 1.025 | |
| 10/16/2016 2:45:00 PM | 319500.000 | 19.572 | 14.641 |
| 44.089 | 40974.414 | 51081.125 | 33.530 |
| 34735.164 | 24.405 | 1.025 | |
| 10/16/2016 3:00:00 PM | 320400.000 | 19.573 | 14.639 |
| 44.089 | 40965.152 | 51071.629 | 33.523 |
| 34728.711 | 24.411 | 1.025 | |
| 10/16/2016 3:15:00 PM | 321300.000 | 19.567 | 14.639 |
| 44.077 | 40947.195 | 51049.344 | 33.506 |
| 34713.559 | 24.422 | 1.025 | |
| 10/16/2016 3:30:00 PM | 322200.000 | 19.559 | 14.639 |
| 44.059 | 40943.262 | 51044.965 | 33.503 |
| 34710.578 | 24.424 | 1.025 | |
| 10/16/2016 3:45:00 PM | 323100.000 | 19.548 | 14.639 |
| 44.034 | 40988.879 | 51101.734 | 33.545 |
| 34749.180 | 24.397 | 1.025 | |
| 10/16/2016 4:00:00 PM | 324000.000 | 19.545 | 14.638 |
| 44.027 | 40922.625 | 51020.438 | 33.485 |
| 34693.902 | 24.436 | 1.025 | |
| 10/16/2016 4:15:00 PM | 324900.000 | 19.528 | 14.638 |
| 43.988 | 40933.078 | 51032.809 | 33.494 |
| 34702.309 | 24.430 | 1.025 | |
| 10/16/2016 4:30:00 PM | 325800.000 | 19.522 | 14.639 |
| 43.976 | 40941.566 | 51042.750 | 33.502 |
| 34709.070 | 24.425 | 1.025 | |
| 10/16/2016 4:45:00 PM | 326700.000 | 19.514 | 14.638 |
| 43.958 | 40925.094 | 51023.398 | 33.487 |
| 34695.910 | 24.435 | 1.025 | |
| 10/16/2016 5:00:00 PM | 327600.000 | 19.503 | 14.638 |
| 43.932 | 40931.570 | 51031.590 | 33.493 |
| 34701.480 | 24.431 | 1.025 | |
| 10/16/2016 5:15:00 PM | 328500.000 | 19.494 | 14.637 |
| 43.912 | 40944.949 | 51049.555 | 33.506 |

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| 34713.699 | 24.423 | 1.025 | |
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| 43.901 | 40928.230 | 51029.145 | 33.491 |
| 34699.820 | 24.433 | 1.025 | |
| 10/16/2016 5:45:00 PM | 330300.000 | 19.478 | 14.637 |
| 43.877 | 40912.441 | 51008.813 | 33.477 |
| 34685.992 | 24.442 | 1.025 | |
| 10/16/2016 6:00:00 PM | 331200.000 | 19.472 | 14.638 |
| 43.863 | 40935.820 | 51036.457 | 33.497 |
| 34704.797 | 24.428 | 1.025 | |
| 10/16/2016 6:15:00 PM | 332100.000 | 19.469 | 14.638 |
| 43.856 | 40912.156 | 51007.695 | 33.476 |
| 34685.238 | 24.443 | 1.025 | |
| 10/16/2016 6:30:00 PM | 333000.000 | 19.465 | 14.637 |
| 43.848 | 40926.852 | 51026.777 | 33.490 |
| 34698.207 | 24.434 | 1.025 | |
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| 43.834 | 40938.121 | 51040.828 | 33.500 |
| 34707.766 | 24.427 | 1.025 | |
| 10/16/2016 7:00:00 PM | 334800.000 | 19.452 | 14.636 |
| 43.818 | 40924.844 | 51025.238 | 33.489 |
| 34697.168 | 24.435 | 1.025 | |
| 10/16/2016 7:15:00 PM | 335700.000 | 19.448 | 14.637 |
| 43.809 | 40929.027 | 51029.703 | 33.492 |
| 34700.199 | 24.433 | 1.025 | |
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| 34691.520 | 24.439 | 1.025 | |
| 10/16/2016 7:45:00 PM | 337500.000 | 19.439 | 14.636 |
| 43.789 | 40977.914 | 51091.195 | 33.537 |
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| 43.764 | 40959.566 | 51069.082 | 33.521 |
| 34726.977 | 24.414 | 1.025 | |
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| 43.758 | 40955.383 | 51062.563 | 33.516 |
| 34722.547 | 24.417 | 1.025 | |
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| 34712.246 | 24.425 | 1.025 | |
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| 34681.813 | 24.446 | 1.025 | |
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| 34711.324 | 24.426 | 1.025 | |

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| 34721.512 | 24.419 | 1.025 | |
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| 43.627 | 40915.316 | 51016.281 | 33.482 |
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| 34684.887 | 24.445 | 1.025 | |
| 10/17/2016 8:45:00 AM | 384300.000 | 19.345 | 14.632 |
| 43.576 | 40952.195 | 51063.867 | 33.517 |
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| 43.611 | 40912.301 | 51013.262 | 33.479 |
| 34689.023 | 24.443 | 1.025 | |
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| 34696.969 | 24.437 | 1.025 | |

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43.842 40943.723 51059.027 33.513
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43.850 40925.309 51036.066 33.496
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34701.375 24.438 1.025
10/17/2016 4:15:00 PM 411300.000 19.464 14.626

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| 34713.102 | 24.430 | 1.025 | |
| 10/17/2016 4:30:00 PM | 412200.000 | 19.459 | 14.626 |
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| 34719.832 | 24.426 | 1.025 | |
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| 34709.883 | 24.433 | 1.025 | |
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| 43.810 | 40949.281 | 51069.410 | 33.520 |
| 34727.199 | 24.420 | 1.025 | |
| 10/17/2016 6:00:00 PM | 417600.000 | 19.442 | 14.624 |
| 43.794 | 40943.918 | 51064.129 | 33.516 |
| 34723.609 | 24.424 | 1.025 | |
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| 43.794 | 40951.242 | 51073.148 | 33.523 |
| 34729.742 | 24.419 | 1.025 | |
| 10/17/2016 6:30:00 PM | 419400.000 | 19.440 | 14.623 |
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| 34731.910 | 24.418 | 1.025 | |
| 10/17/2016 6:45:00 PM | 420300.000 | 19.435 | 14.623 |
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| 34717.773 | 24.428 | 1.025 | |
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| 43.763 | 40948.195 | 51070.008 | 33.520 |
| 34727.609 | 24.421 | 1.025 | |
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| 34709.387 | 24.434 | 1.025 | |
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| 34696.406 | 24.443 | 1.025 | |
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| 34718.773 | 24.428 | 1.025 | |
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| 43.705 | 40943.480 | 51065.195 | 33.517 |
| 34724.336 | 24.424 | 1.025 | |
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| 34713.699 | 24.431 | 1.025 | |
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| 34709.746 | 24.434 | 1.025 | |
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| 43.638 | 40937.371 | 51057.371 | 33.511 |
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| 34705.012 | 24.437 | 1.025 | |
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| 43.613 | 40912.871 | 51026.379 | 33.488 |
| 34697.941 | 24.442 | 1.025 | |
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| 34718.258 | 24.429 | 1.025 | |
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| 10/18/2016 1:00:00 AM | 442800.000 | 19.356 | 14.623 |
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| 34738.727 | 24.414 | 1.025 | |

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| 43.656 | 40954.508 | 51079.488 | 33.527 |
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| 10/18/2016 3:00:00 AM | 450000.000 | 19.380 | 14.623 |
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| 34735.172 | 24.416 | 1.025 | |
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| 34724.484 | 24.424 | 1.025 | |
| 10/18/2016 3:30:00 AM | 451800.000 | 19.380 | 14.622 |
| 43.655 | 40927.664 | 51045.801 | 33.502 |
| 34711.148 | 24.433 | 1.025 | |
| 10/18/2016 3:45:00 AM | 452700.000 | 19.386 | 14.621 |
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| 34734.270 | 24.418 | 1.025 | |
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| 43.671 | 40951.961 | 51077.711 | 33.526 |
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| 34724.332 | 24.426 | 1.025 | |
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| 34707.508 | 24.437 | 1.025 | |
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| 34723.539 | 24.426 | 1.025 | |
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| 43.320 | 40929.992 | 51055.914 | 33.509 |
| 34718.023 | 24.432 | 1.025 | |
| 10/19/2016 11:45:00 AM | 567900.000 | 19.236 | 14.616 |
| 43.330 | 40944.281 | 51074.289 | 33.523 |
| 34730.520 | 24.423 | 1.025 | |
| 10/19/2016 12:00:00 PM | 568800.000 | 19.233 | 14.616 |
| 43.324 | 40930.688 | 51057.004 | 33.510 |
| 34718.766 | 24.432 | 1.025 | |
| 10/19/2016 12:15:00 PM | 569700.000 | 19.240 | 14.617 |
| 43.340 | 40923.664 | 51047.172 | 33.503 |
| 34712.078 | 24.436 | 1.025 | |
| 10/19/2016 12:30:00 PM | 570600.000 | 19.245 | 14.616 |
| 43.351 | 40910.539 | 51032.098 | 33.492 |
| 34701.828 | 24.444 | 1.025 | |
| 10/19/2016 12:45:00 PM | 571500.000 | 19.253 | 14.617 |
| 43.369 | 40914.672 | 51036.277 | 33.495 |
| 34704.672 | 24.441 | 1.025 | |
| 10/19/2016 1:00:00 PM | 572400.000 | 19.259 | 14.616 |
| 43.382 | 40942.344 | 51071.008 | 33.520 |
| 34728.285 | 24.425 | 1.025 | |
| 10/19/2016 1:15:00 PM | 573300.000 | 19.261 | 14.618 |
| 43.388 | 40927.945 | 51050.996 | 33.506 |
| 34714.676 | 24.433 | 1.025 | |
| 10/19/2016 1:30:00 PM | 574200.000 | 19.273 | 14.616 |
| 43.415 | 40923.945 | 51048.820 | 33.504 |
| 34713.199 | 24.436 | 1.025 | |
| 10/19/2016 1:45:00 PM | 575100.000 | 19.278 | 14.615 |
| 43.425 | 40908.703 | 51030.668 | 33.491 |
| 34700.855 | 24.445 | 1.025 | |
| 10/19/2016 2:00:00 PM | 576000.000 | 19.283 | 14.617 |
| 43.437 | 40939.828 | 51067.547 | 33.518 |

34725.938 24.426 1.025
10/19/2016 2:15:00 PM 576900.000 19.289 14.616
43.451 40951.770 51082.867 33.529
34736.355 24.419 1.025
10/19/2016 2:30:00 PM 577800.000 19.293 14.616
43.459 40928.727 51054.887 33.509
34717.328 24.433 1.025
10/19/2016 2:45:00 PM 578700.000 19.307 14.615
43.491 40931.070 51058.785 33.511
34719.973 24.431 1.025
10/19/2016 3:00:00 PM 579600.000 19.303 14.615
43.481 40929.953 51056.840 33.510
34718.656 24.432 1.025
10/19/2016 3:15:00 PM 580500.000 19.310 14.615
43.498 40940.508 51070.340 33.520
34727.832 24.426 1.025
10/19/2016 3:30:00 PM 581400.000 19.308 14.615
43.494 40921.008 51045.906 33.502
34711.215 24.437 1.025
10/19/2016 3:45:00 PM 582300.000 19.311 14.615
43.499 40889.227 51006.039 33.473
34684.109 24.456 1.025
10/19/2016 4:00:00 PM 583200.000 19.309 14.615
43.496 40924.527 51050.621 33.505
34714.426 24.435 1.025
10/19/2016 4:15:00 PM 584100.000 19.308 14.614
43.494 40931.543 51060.879 33.513
34721.402 24.431 1.025
10/19/2016 4:30:00 PM 585000.000 19.305 14.615
43.487 40916.828 51041.340 33.499
34708.113 24.440 1.025
10/19/2016 4:45:00 PM 585900.000 19.306 14.615
43.488 40943.074 51073.973 33.522
34730.301 24.424 1.025
10/19/2016 5:00:00 PM 586800.000 19.304 14.614
43.484 40905.000 51026.910 33.488
34698.305 24.447 1.025
10/19/2016 5:15:00 PM 587700.000 19.303 14.614
43.481 40896.918 51017.801 33.481
34692.109 24.452 1.025
10/19/2016 5:30:00 PM 588600.000 19.301 14.615
43.477 40913.777 51037.742 33.496
34705.664 24.442 1.025
10/19/2016 5:45:00 PM 589500.000 19.294 14.614
43.461 40905.543 51028.328 33.489
34699.266 24.447 1.025
10/19/2016 6:00:00 PM 590400.000 19.289 14.614
43.451 40950.941 51084.441 33.530
34737.422 24.419 1.025
10/19/2016 6:15:00 PM 591300.000 19.296 14.614
43.467 40895.078 51014.645 33.479
34689.961 24.453 1.025
10/19/2016 6:30:00 PM 592200.000 19.284 14.614
43.438 40928.738 51057.164 33.510
34718.871 24.433 1.025

| | | | |
|---|---|---|---|
| 10/19/2016 6:45:00 PM | 593100.000 | 19.279 | 14.613 |
| 43.429 | 40934.641 | 51065.816 | 33.516 |
| 34724.754 | 24.429 | 1.025 | |
| 10/19/2016 7:00:00 PM | 594000.000 | 19.273 | 14.613 |
| 43.415 | 40909.676 | 51035.008 | 33.494 |
| 34703.809 | 24.444 | 1.025 | |
| 10/19/2016 7:15:00 PM | 594900.000 | 19.264 | 14.614 |
| 43.395 | 40923.988 | 51051.023 | 33.506 |
| 34714.699 | 24.436 | 1.025 | |
| 10/19/2016 7:30:00 PM | 595800.000 | 19.254 | 14.613 |
| 43.371 | 40960.938 | 51097.859 | 33.540 |
| 34746.543 | 24.414 | 1.025 | |
| 10/19/2016 7:45:00 PM | 596700.000 | 19.241 | 14.615 |
| 43.342 | 40931.617 | 51059.996 | 33.512 |
| 34720.797 | 24.431 | 1.025 | |
| 10/19/2016 8:00:00 PM | 597600.000 | 19.235 | 14.615 |
| 43.329 | 40914.641 | 51038.504 | 33.496 |
| 34706.184 | 24.441 | 1.025 | |
| 10/19/2016 8:15:00 PM | 598500.000 | 19.232 | 14.614 |
| 43.321 | 40932.262 | 51060.918 | 33.513 |
| 34721.430 | 24.431 | 1.025 | |
| 10/19/2016 8:30:00 PM | 599400.000 | 19.222 | 14.613 |
| 43.300 | 40940.805 | 51072.742 | 33.521 |
| 34729.465 | 24.426 | 1.025 | |
| 10/19/2016 8:45:00 PM | 600300.000 | 19.220 | 14.615 |
| 43.296 | 40910.859 | 51033.996 | 33.493 |
| 34703.117 | 24.443 | 1.025 | |
| 10/19/2016 9:00:00 PM | 601200.000 | 19.211 | 14.615 |
| 43.275 | 40916.652 | 51041.121 | 33.498 |
| 34707.961 | 24.440 | 1.025 | |
| 10/19/2016 9:15:00 PM | 602100.000 | 19.207 | 14.615 |
| 43.265 | 40914.102 | 51037.828 | 33.496 |
| 34705.723 | 24.441 | 1.025 | |
| 10/19/2016 9:30:00 PM | 603000.000 | 19.201 | 14.616 |
| 43.253 | 40915.145 | 51038.266 | 33.496 |
| 34706.020 | 24.441 | 1.025 | |
| 10/19/2016 9:45:00 PM | 603900.000 | 19.198 | 14.613 |
| 43.245 | 40945.172 | 51078.313 | 33.525 |
| 34733.258 | 24.423 | 1.025 | |
| 10/19/2016 10:00:00 PM | 604800.000 | 19.195 | 14.615 |
| 43.238 | 40915.574 | 51039.777 | 33.497 |
| 34707.055 | 24.441 | 1.025 | |
| 10/19/2016 10:15:00 PM | 605700.000 | 19.192 | 14.616 |
| 43.231 | 40954.320 | 51086.363 | 33.532 |
| 34738.727 | 24.417 | 1.025 | |
| 10/19/2016 10:30:00 PM | 606600.000 | 19.187 | 14.614 |
| 43.220 | 40946.160 | 51078.477 | 33.526 |
| 34733.363 | 24.422 | 1.025 | |
| 10/19/2016 10:45:00 PM | 607500.000 | 19.183 | 14.616 |
| 43.212 | 40920.539 | 51044.031 | 33.501 |
| 34709.941 | 24.438 | 1.025 | |
| 10/19/2016 11:00:00 PM | 608400.000 | 19.180 | 14.616 |
| 43.206 | 40929.465 | 51055.480 | 33.509 |
| 34717.727 | 24.432 | 1.025 | |
| 10/19/2016 11:15:00 PM | 609300.000 | 19.177 | 14.617 |

| | | | |
|---|---|---|---|
| 43.198 | 40939.957 | 51067.594 | 33.518 |
| 34725.969 | 24.426 | 1.025 | |
| 10/19/2016 11:30:00 PM | 610200.000 | 19.172 | 14.617 |
| 43.187 | 40917.617 | 51039.727 | 33.498 |
| 34707.016 | 24.439 | 1.025 | |
| 10/19/2016 11:45:00 PM | 611100.000 | 19.168 | 14.616 |
| 43.178 | 40921.723 | 51045.598 | 33.502 |
| 34711.012 | 24.437 | 1.025 | |

Report Date: 10/21/2016 8:25:03 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-3D LT Test_2016-10-20_08-53-24-572-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-3D (446752)
Device Name:
Serial Number: 446752
Firmware Version: 2.01
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 0

Log Configuration
Log Name: MPWSP MW-3D LT Test
Created By: KMakar
Computer Name: PROBOOK10
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 3/9/2016 6:36:33 PM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 3/10/2016 9:00:00 AM Pacific Standard Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: 34.0141 (ft)
Head Pressure: 15.0999 (PSI)
Temperature: 22.8666 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

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Log Notes:

| Date and Time | Note |
|---|---|
| 3/9/2016 6:36:41 PM | Used Battery: 0% Used Memory: 3% User Name: KMakar |
| 3/9/2016 6:37:49 PM | Sensor SN: 446752 Cache Timeout: 1000 User Name: KMakar |
| 3/9/2016 6:37:54 PM | Device Taken Offline |
| 3/9/2016 6:39:03 PM | Device Put Online |
| 3/9/2016 6:39:04 PM | Sensor SN: 446752 Cache Timeout: 1750 User Name: KMakar |
| 3/17/2016 5:02:59 PM | Log Download - Used Battery: 0% Used Memory: 3% User Name: SKuiper Interval - Start Time: 3/10/2016 9:00:00 AM Stop Time: 3/17/2016 5:00:00 PM |
| 3/24/2016 1:04:11 PM | Log Download - Used Battery: 1% Used Memory: 4% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 1:15:00 PM |
| 3/31/2016 8:47:15 AM | Log Download - Used Battery: 1% Used Memory: 4% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 9:30:00 AM |
| 4/7/2016 1:07:21 PM | Log Download - Used Battery: 1% Used Memory: 6% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 1:15:00 PM |
| 4/14/2016 12:53:34 PM | Log Download - Used Battery: 2% Used Memory: 6% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 1:45:00 PM |
| 4/21/2016 11:16:11 AM | Log Download - Used Battery: 2% Used Memory: 7% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 12:15:00 PM |
| 4/28/2016 3:06:41 PM | Log Download - Used Battery: 2% Used Memory: 7% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 3:00:00 PM |
| 5/5/2016 10:41:59 AM | Log Download - Used Battery: 3% Used Memory: 9% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 10:30:00 AM |
| 5/12/2016 12:05:39 PM | Log Download - Used Battery: 3% Used Memory: 9% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 12:00:00 PM |
| 5/19/2016 2:33:06 PM | Log Download - Used Battery: 4% Used Memory: 10% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 3:30:00 PM |
| 5/26/2016 1:29:34 PM | Log Download - Used Battery: 4% Used Memory: 10% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 2:00:00 PM |
| 6/2/2016 2:01:35 PM | Log Download - Used Battery: 4% Used Memory: 12% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 2:44:45 PM |
| 6/9/2016 10:11:07 AM | Log Download - Used Battery: 5% Used Memory: 12% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 11:00:00 AM |
| 6/16/2016 4:19:34 PM | Log Download - Used Battery: 5% Used Memory: 14% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 5:15:00 PM |
| 6/23/2016 11:55:38 AM | Log Download - Used Battery: 5% Used Memory: 14% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 12:00:00 PM |
| 7/1/2016 7:41:47 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 7:15:00 PM |
| 7/8/2016 6:42:39 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 4:15:00 PM |
| 7/14/2016 7:36:39 PM | Log Download - Used Battery: 6% Used Memory: 17% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 8:30:00 PM |
| 7/21/2016 12:16:46 PM | Log Download - Used Battery: 7% Used Memory: 17% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 12:15:00 PM |
| 7/28/2016 9:23:14 AM | Log Download - Used Battery: 7% Used Memory: 18% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 10:00:00 AM |
| 8/4/2016 9:12:35 AM | Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - |

Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 9:45:00 AM
8/11/2016 1:11:02 PM Log Download - Used Battery: 8% Used Memory: 20% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 1:59:45 PM
8/18/2016 9:16:49 AM Log Download - Used Battery: 8% Used Memory: 21% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 8:35:00 PM
8/25/2016 4:13:43 PM Log Download - Used Battery: 9% Used Memory: 21% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 5:00:00 PM
9/1/2016 12:53:24 PM Log Download - Used Battery: 9% Used Memory: 23% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 1:45:00 PM
9/8/2016 11:08:26 AM Log Download - Used Battery: 9% Used Memory: 23% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 6:15:00 PM
9/8/2016 11:10:49 AM Log Download - Used Battery: 9% Used Memory: 23% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 11:00:00 AM
9/15/2016 7:00:38 PM Log Download - Used Battery: 10% Used Memory: 25% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 8:00:00 PM
9/22/2016 3:10:51 PM Log Download - Used Battery: 10% Used Memory: 25% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 4:00:00 PM
10/2/2016 7:50:06 AM Log Download - Used Battery: 11% Used Memory: 26% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/2/2016 8:49:58 AM
10/7/2016 6:02:01 PM Log Download - Used Battery: 11% Used Memory: 26% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 6:00:00 PM
10/13/2016 9:39:45 AM Log Download - Used Battery: 11% Used Memory: 28% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 8:00:00 PM
10/20/2016 8:49:33 AM Log Download - Used Battery: 12% Used Memory: 28% User Name: SKuiper Interval - Start Time: 10/12/2016 12:00:00 AM Stop Time: 10/20/2016 7:45:00 PM
10/20/2016 8:52:35 AM Log Download - Used Battery: 12% Used Memory: 28% User Name: SKuiper Interval - Start Time: 10/12/2016 12:00:00 AM Stop Time: 10/20/2016 8:45:00 AM
10/21/2016 8:23:58 AM User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl""

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Log Data:
Record Count: 803
Sensors: 2
1 - 446752: PCTD 100 PSIA (60.1m/197.3ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

| | Sensor: PCTD(A) 197.3ft SN#: 446752 | Sensor: PCTD(A) 197.3ft SN#: 446752 | Sensor: PCTD(A) 197.3ft SN#: 446752 | Sensor: PCTD(A) 197.3ft SN#: 446752 | Sensor: PCTD(A) 197.3ft SN#: 446752 | Sensor: PCTD(A) 197.3ft SN#: 446752 | Sensor: PCTD(A) 197.3ft SN#: 446752 | Sensor: PCTD(A) 197.3ft SN#: 446752 | Sensor: Baro-Adj Calc SN#: 000000 |
|---|---|---|---|---|---|---|---|---|---|
| Date and Time | Elapsed Time Seconds | Corrected Pressure (PSI) | Temperature (C) | Corrected Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppt) | Resistivity (ohm-cm) | Water Density (g/cm3) | Barometric Pressure (PSI) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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|---|---|---|---|---|---|---|---|---|---|
| 10/13/2016 12:00:00 AM | 86400.000 | 122.427 | 19.686 | 275.780 | 41728.711 | 46442.754 | 30.449 | 31.581 | 23.964 | 1.021 | 14.771 |
| 10/13/2016 12:15:00 AM | 87300.000 | 122.394 | 19.686 | 275.704 | 41696.844 | 46406.777 | 30.422 | 31.557 | 23.983 | 1.021 | 14.771 |
| 10/13/2016 12:30:00 AM | 88200.000 | 122.350 | 19.685 | 275.606 | 41697.785 | 46409.023 | 30.424 | 31.558 | 23.982 | 1.021 | 14.773 |
| 10/13/2016 12:45:00 AM | 89100.000 | 122.322 | 19.683 | 275.541 | 41713.539 | 46428.281 | 30.438 | 31.571 | 23.973 | 1.021 | 14.775 |
| 10/13/2016 1:00:00 AM | 90000.000 | 122.280 | 19.686 | 275.447 | 41712.656 | 46424.641 | 30.436 | 31.569 | 23.974 | 1.021 | 14.777 |
| 10/13/2016 1:15:00 AM | 90900.000 | 122.239 | 19.684 | 275.355 | 41696.273 | 46408.633 | 30.424 | 31.558 | 23.983 | 1.021 | 14.782 |
| 10/13/2016 1:30:00 AM | 91800.000 | 122.220 | 19.685 | 275.314 | 41766.676 | 46485.957 | 30.480 | 31.610 | 23.943 | 1.021 | 14.772 |
| 10/13/2016 1:45:00 AM | 92700.000 | 122.195 | 19.688 | 275.256 | 41682.215 | 46389.203 | 30.410 | 31.545 | 23.991 | 1.021 | 14.770 |
| 10/13/2016 2:00:00 AM | 93600.000 | 122.195 | 19.684 | 275.256 | 41688.168 | 46399.777 | 30.417 | 31.552 | 23.988 | 1.021 | 14.774 |
| 10/13/2016 2:15:00 AM | 94500.000 | 122.144 | 19.684 | 275.142 | 41686.953 | 46398.004 | 30.416 | 31.551 | 23.988 | 1.021 | 14.774 |
| 10/13/2016 2:30:00 AM | 95400.000 | 122.130 | 19.684 | 275.110 | 41671.945 | 46381.203 | 30.404 | 31.539 | 23.997 | 1.021 | 14.772 |
| 10/13/2016 2:45:00 AM | 96300.000 | 122.120 | 19.684 | 275.088 | 41686.438 | 46397.258 | 30.415 | 31.550 | 23.989 | 1.021 | 14.773 |
| 10/13/2016 3:00:00 AM | 97200.000 | 122.109 | 19.686 | 275.062 | 41704.496 | 46415.465 | 30.429 | 31.563 | 23.978 | 1.021 | 14.778 |
| 10/13/2016 3:15:00 AM | 98100.000 | 122.101 | 19.684 | 275.045 | 41717.504 | 46432.172 | 30.441 | 31.574 | 23.971 | 1.021 | 14.769 |
| 10/13/2016 3:30:00 AM | 99000.000 | 122.115 | 19.683 | 275.075 | 41688.523 | 46400.602 | 30.418 | 31.552 | 23.987 | 1.021 | 14.764 |
| 10/13/2016 3:45:00 AM | 99900.000 | 122.119 | 19.686 | 275.086 | 41703.090 | 46414.414 | 30.428 | 31.562 | 23.979 | 1.021 | 14.763 |
| 10/13/2016 4:00:00 AM | 100800.000 | 122.131 | 19.684 | 275.112 | 41723.840 | 46439.141 | 30.446 | 31.579 | 23.967 | 1.021 | 14.761 |
| 10/13/2016 4:15:00 AM | 101700.000 | 122.148 | 19.682 | | | | | | | | |

| | | | |
|---|---|---|---|
| 275.150 | 41718.164 | 46434.625 | 30.443 |
| 31.576 | 23.970 | 1.021 | 14.763 |
| 10/13/2016 4:30:00 AM | 102600.000 | 122.165 | 19.686 |
| 275.189 | 41723.586 | 46436.711 | 30.444 |
| 31.577 | 23.967 | 1.021 | 14.759 |
| 10/13/2016 4:45:00 AM | 103500.000 | 122.195 | 19.687 |
| 275.256 | 41703.879 | 46414.352 | 30.428 |
| 31.562 | 23.979 | 1.021 | 14.757 |
| 10/13/2016 5:00:00 AM | 104400.000 | 122.220 | 19.684 |
| 275.312 | 41684.301 | 46395.305 | 30.414 |
| 31.549 | 23.990 | 1.021 | 14.757 |
| 10/13/2016 5:15:00 AM | 105300.000 | 122.251 | 19.682 |
| 275.381 | 41717.391 | 46433.508 | 30.442 |
| 31.575 | 23.971 | 1.021 | 14.761 |
| 10/13/2016 5:30:00 AM | 106200.000 | 122.289 | 19.682 |
| 275.469 | 41736.680 | 46455.070 | 30.458 |
| 31.589 | 23.960 | 1.021 | 14.759 |
| 10/13/2016 5:45:00 AM | 107100.000 | 122.328 | 19.685 |
| 275.555 | 41714.234 | 46426.914 | 30.437 |
| 31.570 | 23.973 | 1.021 | 14.755 |
| 10/13/2016 6:00:00 AM | 108000.000 | 122.395 | 19.682 |
| 275.707 | 41687.164 | 46400.117 | 30.417 |
| 31.552 | 23.988 | 1.021 | 14.758 |
| 10/13/2016 6:15:00 AM | 108900.000 | 122.405 | 19.681 |
| 275.730 | 41722.645 | 46440.652 | 30.447 |
| 31.580 | 23.968 | 1.021 | 14.758 |
| 10/13/2016 6:30:00 AM | 109800.000 | 122.442 | 19.685 |
| 275.812 | 41712.859 | 46425.461 | 30.436 |
| 31.569 | 23.973 | 1.021 | 14.760 |
| 10/13/2016 6:45:00 AM | 110700.000 | 122.487 | 19.681 |
| 275.914 | 41711.781 | 46428.305 | 30.438 |
| 31.571 | 23.974 | 1.021 | 14.755 |
| 10/13/2016 7:00:00 AM | 111600.000 | 122.522 | 19.684 |
| 275.994 | 41690.457 | 46402.324 | 30.419 |
| 31.554 | 23.986 | 1.021 | 14.754 |
| 10/13/2016 7:15:00 AM | 112500.000 | 122.564 | 19.683 |
| 276.088 | 41687.945 | 46399.875 | 30.417 |
| 31.552 | 23.988 | 1.021 | 14.752 |
| 10/13/2016 7:30:00 AM | 113400.000 | 122.597 | 19.684 |
| 276.163 | 41703.738 | 46416.340 | 30.429 |
| 31.563 | 23.979 | 1.021 | 14.754 |
| 10/13/2016 7:45:00 AM | 114300.000 | 122.629 | 19.683 |
| 276.234 | 41714.461 | 46429.133 | 30.439 |
| 31.572 | 23.973 | 1.021 | 14.754 |
| 10/13/2016 8:00:00 AM | 115200.000 | 122.670 | 19.684 |
| 276.326 | 41703.711 | 46416.738 | 30.430 |
| 31.563 | 23.979 | 1.021 | 14.751 |
| 10/13/2016 8:15:00 AM | 116100.000 | 122.698 | 19.683 |
| 276.390 | 41691.832 | 46404.547 | 30.421 |
| 31.555 | 23.986 | 1.021 | 14.754 |
| 10/13/2016 8:30:00 AM | 117000.000 | 122.717 | 19.684 |
| 276.431 | 41698.426 | 46411.195 | 30.426 |
| 31.560 | 23.982 | 1.021 | 14.757 |
| 10/13/2016 8:45:00 AM | 117900.000 | 122.739 | 19.681 |

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|---|---|---|---|
| 276.481 | 41722.996 | 46440.949 | 30.447 |
| 31.580 | 23.968 | 1.021 | 14.759 |
| 10/13/2016 9:00:00 AM | 118800.000 | 122.758 | 19.682 |
| 276.525 | 41706.762 | 46422.453 | 30.434 |
| 31.567 | 23.977 | 1.021 | 14.760 |
| 10/13/2016 9:15:00 AM | 119700.000 | 122.771 | 19.679 |
| 276.554 | 41695.750 | 46412.863 | 30.427 |
| 31.561 | 23.983 | 1.021 | 14.761 |
| 10/13/2016 9:30:00 AM | 120600.000 | 122.764 | 19.682 |
| 276.538 | 41706.324 | 46421.711 | 30.433 |
| 31.567 | 23.977 | 1.021 | 14.771 |
| 10/13/2016 9:45:00 AM | 121500.000 | 122.780 | 19.679 |
| 276.574 | 41669.152 | 46383.000 | 30.405 |
| 31.540 | 23.999 | 1.021 | 14.763 |
| 10/13/2016 10:00:00 AM | 122400.000 | 122.765 | 19.682 |
| 276.540 | 41698.000 | 46412.520 | 30.426 |
| 31.561 | 23.982 | 1.021 | 14.774 |
| 10/13/2016 10:15:00 AM | 123300.000 | 122.762 | 19.685 |
| 276.534 | 41713.723 | 46426.504 | 30.437 |
| 31.570 | 23.973 | 1.021 | 14.770 |
| 10/13/2016 10:30:00 AM | 124200.000 | 122.745 | 19.684 |
| 276.496 | 41717.988 | 46432.449 | 30.441 |
| 31.574 | 23.970 | 1.021 | 14.770 |
| 10/13/2016 10:45:00 AM | 125100.000 | 122.731 | 19.684 |
| 276.464 | 41718.785 | 46433.434 | 30.442 |
| 31.575 | 23.970 | 1.021 | 14.773 |
| 10/13/2016 11:00:00 AM | 126000.000 | 122.710 | 19.686 |
| 276.417 | 41710.227 | 46421.938 | 30.434 |
| 31.567 | 23.975 | 1.021 | 14.773 |
| 10/13/2016 11:15:00 AM | 126900.000 | 122.692 | 19.685 |
| 276.375 | 41692.016 | 46402.602 | 30.419 |
| 31.554 | 23.985 | 1.021 | 14.776 |
| 10/13/2016 11:30:00 AM | 127800.000 | 122.670 | 19.683 |
| 276.325 | 41719.340 | 46434.563 | 30.443 |
| 31.576 | 23.970 | 1.021 | 14.775 |
| 10/13/2016 11:45:00 AM | 128700.000 | 122.641 | 19.685 |
| 276.260 | 41705.629 | 46418.270 | 30.431 |
| 31.564 | 23.978 | 1.021 | 14.770 |
| 10/13/2016 12:00:00 PM | 129600.000 | 122.614 | 19.683 |
| 276.201 | 41709.582 | 46424.559 | 30.435 |
| 31.569 | 23.975 | 1.021 | 14.770 |
| 10/13/2016 12:15:00 PM | 130500.000 | 122.585 | 19.683 |
| 276.136 | 41709.184 | 46423.777 | 30.435 |
| 31.568 | 23.976 | 1.021 | 14.770 |
| 10/13/2016 12:30:00 PM | 131400.000 | 122.549 | 19.684 |
| 276.054 | 41708.684 | 46422.273 | 30.434 |
| 31.567 | 23.976 | 1.021 | 14.770 |
| 10/13/2016 12:45:00 PM | 132300.000 | 122.525 | 19.682 |
| 275.999 | 41691.262 | 46404.340 | 30.421 |
| 31.555 | 23.986 | 1.021 | 14.765 |
| 10/13/2016 1:00:00 PM | 133200.000 | 122.490 | 19.681 |
| 275.920 | 41709.832 | 46426.297 | 30.437 |
| 31.570 | 23.975 | 1.021 | 14.766 |
| 10/13/2016 1:15:00 PM | 134100.000 | 122.457 | 19.683 |

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|---|---|---|---|
| 275.845 | 41693.980 | 46406.340 | 30.422 |
| 31.556 | 23.984 | 1.021 | 14.763 |
| 10/13/2016 1:30:00 PM | 135000.000 | 122.440 | 19.686 |
| 275.807 | 41725.352 | 46438.504 | 30.446 |
| 31.578 | 23.966 | 1.021 | 14.753 |
| 10/13/2016 1:45:00 PM | 135900.000 | 122.403 | 19.684 |
| 275.724 | 41723.531 | 46438.969 | 30.446 |
| 31.579 | 23.967 | 1.021 | 14.757 |
| 10/13/2016 2:00:00 PM | 136800.000 | 122.379 | 19.685 |
| 275.670 | 41688.586 | 46398.781 | 30.417 |
| 31.551 | 23.987 | 1.021 | 14.756 |
| 10/13/2016 2:15:00 PM | 137700.000 | 122.351 | 19.685 |
| 275.607 | 41699.207 | 46410.949 | 30.425 |
| 31.559 | 23.981 | 1.021 | 14.755 |
| 10/13/2016 2:30:00 PM | 138600.000 | 122.333 | 19.683 |
| 275.567 | 41725.141 | 46441.621 | 30.448 |
| 31.580 | 23.966 | 1.021 | 14.752 |
| 10/13/2016 2:45:00 PM | 139500.000 | 122.322 | 19.683 |
| 275.541 | 41710.406 | 46425.313 | 30.436 |
| 31.569 | 23.975 | 1.021 | 14.750 |
| 10/13/2016 3:00:00 PM | 140400.000 | 122.304 | 19.682 |
| 275.501 | 41718.555 | 46434.801 | 30.443 |
| 31.576 | 23.970 | 1.021 | 14.750 |
| 10/13/2016 3:15:00 PM | 141300.000 | 122.300 | 19.681 |
| 275.492 | 41704.684 | 46421.082 | 30.433 |
| 31.566 | 23.978 | 1.021 | 14.747 |
| 10/13/2016 3:30:00 PM | 142200.000 | 122.294 | 19.686 |
| 275.479 | 41679.691 | 46388.109 | 30.409 |
| 31.544 | 23.993 | 1.021 | 14.744 |
| 10/13/2016 3:45:00 PM | 143100.000 | 122.303 | 19.683 |
| 275.499 | 41710.770 | 46425.363 | 30.436 |
| 31.569 | 23.975 | 1.021 | 14.739 |
| 10/13/2016 4:00:00 PM | 144000.000 | 122.307 | 19.686 |
| 275.508 | 41706.766 | 46417.719 | 30.430 |
| 31.564 | 23.977 | 1.021 | 14.734 |
| 10/13/2016 4:15:00 PM | 144900.000 | 122.311 | 19.686 |
| 275.518 | 41680.512 | 46388.500 | 30.409 |
| 31.544 | 23.992 | 1.021 | 14.739 |
| 10/13/2016 4:30:00 PM | 145800.000 | 122.329 | 19.685 |
| 275.558 | 41689.512 | 46400.250 | 30.418 |
| 31.552 | 23.987 | 1.021 | 14.732 |
| 10/13/2016 4:45:00 PM | 146700.000 | 122.341 | 19.686 |
| 275.584 | 41725.863 | 46439.586 | 30.446 |
| 31.579 | 23.966 | 1.021 | 14.734 |
| 10/13/2016 5:00:00 PM | 147600.000 | 122.371 | 19.684 |
| 275.653 | 41742.074 | 46459.008 | 30.461 |
| 31.592 | 23.957 | 1.021 | 14.729 |
| 10/13/2016 5:15:00 PM | 148500.000 | 122.387 | 19.684 |
| 275.689 | 41684.082 | 46394.711 | 30.414 |
| 31.548 | 23.990 | 1.021 | 14.732 |
| 10/13/2016 5:30:00 PM | 149400.000 | 122.419 | 19.684 |
| 275.761 | 41705.457 | 46419.020 | 30.431 |
| 31.565 | 23.978 | 1.021 | 14.726 |
| 10/13/2016 5:45:00 PM | 150300.000 | 122.457 | 19.683 |

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|---|---|---|---|
| 275.846 | 41682.410 | 46393.551 | 30.413 |
| 31.548 | 23.991 | 1.021 | 14.722 |
| 10/13/2016 6:00:00 PM | 151200.000 | 122.483 | 19.683 |
| 275.905 | 41715.020 | 46429.754 | 30.439 |
| 31.572 | 23.972 | 1.021 | 14.725 |
| 10/13/2016 6:15:00 PM | 152100.000 | 122.509 | 19.683 |
| 275.964 | 41710.195 | 46424.477 | 30.435 |
| 31.569 | 23.975 | 1.021 | 14.729 |
| 10/13/2016 6:30:00 PM | 153000.000 | 122.547 | 19.681 |
| 276.050 | 41699.438 | 46414.391 | 30.428 |
| 31.562 | 23.981 | 1.021 | 14.732 |
| 10/13/2016 6:45:00 PM | 153900.000 | 122.586 | 19.682 |
| 276.137 | 41700.246 | 46415.020 | 30.428 |
| 31.562 | 23.981 | 1.021 | 14.731 |
| 10/13/2016 7:00:00 PM | 154800.000 | 122.619 | 19.682 |
| 276.211 | 41735.625 | 46453.895 | 30.457 |
| 31.589 | 23.960 | 1.021 | 14.733 |
| 10/13/2016 7:15:00 PM | 155700.000 | 122.658 | 19.685 |
| 276.300 | 41691.672 | 46402.391 | 30.419 |
| 31.554 | 23.986 | 1.021 | 14.728 |
| 10/13/2016 7:30:00 PM | 156600.000 | 122.686 | 19.683 |
| 276.362 | 41711.855 | 46426.488 | 30.437 |
| 31.570 | 23.974 | 1.021 | 14.733 |
| 10/13/2016 7:45:00 PM | 157500.000 | 122.720 | 19.681 |
| 276.438 | 41701.949 | 46417.617 | 30.430 |
| 31.564 | 23.980 | 1.021 | 14.733 |
| 10/13/2016 8:00:00 PM | 158400.000 | 122.736 | 19.683 |
| 276.474 | 41724.461 | 46440.352 | 30.447 |
| 31.579 | 23.967 | 1.021 | 14.739 |
| 10/13/2016 8:15:00 PM | 159300.000 | 122.773 | 19.686 |
| 276.557 | 41724.559 | 46438.133 | 30.445 |
| 31.578 | 23.967 | 1.021 | 14.733 |
| 10/13/2016 8:30:00 PM | 160200.000 | 122.783 | 19.685 |
| 276.582 | 41710.961 | 46423.859 | 30.435 |
| 31.568 | 23.975 | 1.021 | 14.738 |
| 10/13/2016 8:45:00 PM | 161100.000 | 122.805 | 19.684 |
| 276.630 | 41697.254 | 46409.371 | 30.424 |
| 31.558 | 23.982 | 1.021 | 14.736 |
| 10/13/2016 9:00:00 PM | 162000.000 | 122.819 | 19.684 |
| 276.662 | 41691.461 | 46403.020 | 30.420 |
| 31.554 | 23.986 | 1.021 | 14.735 |
| 10/13/2016 9:15:00 PM | 162900.000 | 122.834 | 19.684 |
| 276.695 | 41682.711 | 46393.703 | 30.413 |
| 31.548 | 23.991 | 1.021 | 14.734 |
| 10/13/2016 9:30:00 PM | 163800.000 | 122.827 | 19.683 |
| 276.680 | 41697.645 | 46411.273 | 30.426 |
| 31.560 | 23.982 | 1.021 | 14.743 |
| 10/13/2016 9:45:00 PM | 164700.000 | 122.825 | 19.683 |
| 276.676 | 41734.973 | 46451.965 | 30.455 |
| 31.587 | 23.961 | 1.021 | 14.744 |
| 10/13/2016 10:00:00 PM | 165600.000 | 122.827 | 19.685 |
| 276.680 | 41659.410 | 46365.973 | 30.393 |
| 31.529 | 24.004 | 1.021 | 14.744 |
| 10/13/2016 10:15:00 PM | 166500.000 | 122.816 | 19.686 |

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|---|---|---|---|
| 276.656 | 41727.551 | 46441.465 | 30.448 |
| 31.580 | 23.965 | 1.021 | 14.742 |
| 10/13/2016 10:30:00 PM | 167400.000 | 122.802 | 19.685 |
| 276.623 | 41713.418 | 46426.164 | 30.437 |
| 31.570 | 23.973 | 1.021 | 14.741 |
| 10/13/2016 10:45:00 PM | 168300.000 | 122.787 | 19.684 |
| 276.590 | 41688.020 | 46399.020 | 30.417 |
| 31.551 | 23.988 | 1.021 | 14.740 |
| 10/13/2016 11:00:00 PM | 169200.000 | 122.762 | 19.685 |
| 276.534 | 41696.855 | 46408.070 | 30.423 |
| 31.557 | 23.983 | 1.021 | 14.743 |
| 10/13/2016 11:15:00 PM | 170100.000 | 122.729 | 19.683 |
| 276.459 | 41684.012 | 46395.762 | 30.414 |
| 31.549 | 23.990 | 1.021 | 14.748 |
| 10/13/2016 11:30:00 PM | 171000.000 | 122.707 | 19.684 |
| 276.411 | 41753.824 | 46472.086 | 30.470 |
| 31.601 | 23.950 | 1.021 | 14.741 |
| 10/13/2016 11:45:00 PM | 171900.000 | 122.671 | 19.682 |
| 276.328 | 41701.594 | 46415.926 | 30.429 |
| 31.563 | 23.980 | 1.021 | 14.741 |
| 10/14/2016 12:00:00 AM | 172800.000 | 122.641 | 19.683 |
| 276.261 | 41693.117 | 46406.234 | 30.422 |
| 31.556 | 23.985 | 1.021 | 14.739 |
| 10/14/2016 12:15:00 AM | 173700.000 | 122.605 | 19.683 |
| 276.179 | 41718.934 | 46434.203 | 30.442 |
| 31.575 | 23.970 | 1.021 | 14.734 |
| 10/14/2016 12:30:00 AM | 174600.000 | 122.566 | 19.683 |
| 276.091 | 41720.168 | 46436.086 | 30.444 |
| 31.577 | 23.969 | 1.021 | 14.737 |
| 10/14/2016 12:45:00 AM | 175500.000 | 122.536 | 19.682 |
| 276.024 | 41700.816 | 46414.977 | 30.428 |
| 31.562 | 23.980 | 1.021 | 14.731 |
| 10/14/2016 1:00:00 AM | 176400.000 | 122.490 | 19.683 |
| 275.921 | 41716.234 | 46431.797 | 30.441 |
| 31.574 | 23.971 | 1.021 | 14.731 |
| 10/14/2016 1:15:00 AM | 177300.000 | 122.451 | 19.685 |
| 275.832 | 41724.840 | 46439.570 | 30.446 |
| 31.579 | 23.967 | 1.021 | 14.729 |
| 10/14/2016 1:30:00 AM | 178200.000 | 122.411 | 19.687 |
| 275.742 | 41718.242 | 46430.336 | 30.440 |
| 31.573 | 23.970 | 1.021 | 14.725 |
| 10/14/2016 1:45:00 AM | 179100.000 | 122.371 | 19.685 |
| 275.652 | 41710.500 | 46422.758 | 30.434 |
| 31.567 | 23.975 | 1.021 | 14.732 |
| 10/14/2016 2:00:00 AM | 180000.000 | 122.336 | 19.685 |
| 275.574 | 41706.824 | 46419.598 | 30.432 |
| 31.565 | 23.977 | 1.021 | 14.733 |
| 10/14/2016 2:15:00 AM | 180900.000 | 122.314 | 19.686 |
| 275.524 | 41699.289 | 46409.316 | 30.424 |
| 31.558 | 23.981 | 1.021 | 14.730 |
| 10/14/2016 2:30:00 AM | 181800.000 | 122.292 | 19.683 |
| 275.474 | 41706.480 | 46420.426 | 30.432 |
| 31.566 | 23.977 | 1.021 | 14.730 |
| 10/14/2016 2:45:00 AM | 182700.000 | 122.267 | 19.687 |

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| 275.419 | 41706.688 | 46417.293 | 30.430 |
| 31.564 | 23.977 | 1.021 | 14.732 |
| 10/14/2016 3:00:00 AM | 183600.000 | 122.244 | 19.684 |
| 275.366 | 41694.066 | 46405.824 | 30.422 |
| 31.556 | 23.984 | 1.021 | 14.727 |
| 10/14/2016 3:15:00 AM | 184500.000 | 122.228 | 19.686 |
| 275.330 | 41713.563 | 46425.895 | 30.436 |
| 31.570 | 23.973 | 1.021 | 14.732 |
| 10/14/2016 3:30:00 AM | 185400.000 | 122.240 | 19.682 |
| 275.357 | 41691.051 | 46404.625 | 30.421 |
| 31.555 | 23.986 | 1.021 | 14.734 |
| 10/14/2016 3:45:00 AM | 186300.000 | 122.201 | 19.685 |
| 275.271 | 41696.031 | 46407.332 | 30.423 |
| 31.557 | 23.983 | 1.021 | 14.733 |
| 10/14/2016 4:00:00 AM | 187200.000 | 122.201 | 19.683 |
| 275.270 | 41716.281 | 46431.160 | 30.440 |
| 31.573 | 23.971 | 1.021 | 14.736 |
| 10/14/2016 4:15:00 AM | 188100.000 | 122.209 | 19.684 |
| 275.289 | 41692.527 | 46404.207 | 30.421 |
| 31.555 | 23.985 | 1.021 | 14.736 |
| 10/14/2016 4:30:00 AM | 189000.000 | 122.216 | 19.686 |
| 275.302 | 41710.281 | 46422.418 | 30.434 |
| 31.567 | 23.975 | 1.021 | 14.735 |
| 10/14/2016 4:45:00 AM | 189900.000 | 122.234 | 19.685 |
| 275.344 | 41726.688 | 46441.016 | 30.447 |
| 31.580 | 23.965 | 1.021 | 14.725 |
| 10/14/2016 5:00:00 AM | 190800.000 | 122.246 | 19.682 |
| 275.372 | 41726.648 | 46444.406 | 30.450 |
| 31.582 | 23.965 | 1.021 | 14.731 |
| 10/14/2016 5:15:00 AM | 191700.000 | 122.284 | 19.682 |
| 275.456 | 41712.961 | 46429.270 | 30.439 |
| 31.572 | 23.973 | 1.021 | 14.724 |
| 10/14/2016 5:30:00 AM | 192600.000 | 122.298 | 19.682 |
| 275.489 | 41717.703 | 46433.855 | 30.442 |
| 31.575 | 23.971 | 1.021 | 14.726 |
| 10/14/2016 5:45:00 AM | 193500.000 | 122.336 | 19.683 |
| 275.574 | 41688.160 | 46400.629 | 30.418 |
| 31.552 | 23.988 | 1.021 | 14.721 |
| 10/14/2016 6:00:00 AM | 194400.000 | 122.369 | 19.686 |
| 275.648 | 41689.590 | 46399.391 | 30.417 |
| 31.552 | 23.987 | 1.021 | 14.726 |
| 10/14/2016 6:15:00 AM | 195300.000 | 122.412 | 19.682 |
| 275.744 | 41673.117 | 46384.750 | 30.406 |
| 31.542 | 23.996 | 1.021 | 14.722 |
| 10/14/2016 6:30:00 AM | 196200.000 | 122.446 | 19.683 |
| 275.821 | 41714.219 | 46429.555 | 30.439 |
| 31.572 | 23.973 | 1.021 | 14.728 |
| 10/14/2016 6:45:00 AM | 197100.000 | 122.486 | 19.681 |
| 275.912 | 41715.953 | 46432.949 | 30.441 |
| 31.574 | 23.972 | 1.021 | 14.726 |
| 10/14/2016 7:00:00 AM | 198000.000 | 122.532 | 19.680 |
| 276.014 | 41735.180 | 46455.883 | 30.458 |
| 31.590 | 23.961 | 1.021 | 14.723 |
| 10/14/2016 7:15:00 AM | 198900.000 | 122.578 | 19.680 |

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| 276.119 | 41681.430 | 46395.453 | 30.414 |
| 31.549 | 23.991 | 1.021 | 14.727 |
| 10/14/2016 7:30:00 AM | 199800.000 | 122.617 | 19.682 |
| 276.208 | 41684.648 | 46397.238 | 30.415 |
| 31.550 | 23.990 | 1.021 | 14.725 |
| 10/14/2016 7:45:00 AM | 200700.000 | 122.665 | 19.681 |
| 276.316 | 41676.105 | 46388.418 | 30.409 |
| 31.544 | 23.995 | 1.021 | 14.723 |
| 10/14/2016 8:00:00 AM | 201600.000 | 122.704 | 19.682 |
| 276.402 | 41695.215 | 46409.078 | 30.424 |
| 31.558 | 23.984 | 1.021 | 14.726 |
| 10/14/2016 8:15:00 AM | 202500.000 | 122.734 | 19.684 |
| 276.470 | 41729.793 | 46445.246 | 30.451 |
| 31.583 | 23.964 | 1.021 | 14.735 |
| 10/14/2016 8:30:00 AM | 203400.000 | 122.781 | 19.685 |
| 276.575 | 41747.750 | 46464.633 | 30.465 |
| 31.596 | 23.953 | 1.021 | 14.729 |
| 10/14/2016 8:45:00 AM | 204300.000 | 122.805 | 19.687 |
| 276.631 | 41724.418 | 46436.344 | 30.444 |
| 31.577 | 23.967 | 1.021 | 14.733 |
| 10/14/2016 9:00:00 AM | 205200.000 | 122.829 | 19.680 |
| 276.684 | 41691.879 | 46407.602 | 30.423 |
| 31.557 | 23.985 | 1.021 | 14.734 |
| 10/14/2016 9:15:00 AM | 206100.000 | 122.852 | 19.681 |
| 276.736 | 41682.219 | 46396.172 | 30.414 |
| 31.549 | 23.991 | 1.021 | 14.741 |
| 10/14/2016 9:30:00 AM | 207000.000 | 122.874 | 19.682 |
| 276.786 | 41707.563 | 46423.090 | 30.434 |
| 31.568 | 23.976 | 1.021 | 14.736 |
| 10/14/2016 9:45:00 AM | 207900.000 | 122.881 | 19.685 |
| 276.802 | 41748.621 | 46465.945 | 30.466 |
| 31.597 | 23.953 | 1.021 | 14.743 |
| 10/14/2016 10:00:00 AM | 208800.000 | 122.895 | 19.684 |
| 276.833 | 41701.816 | 46414.449 | 30.428 |
| 31.562 | 23.980 | 1.021 | 14.736 |
| 10/14/2016 10:15:00 AM | 209700.000 | 122.900 | 19.683 |
| 276.844 | 41704.895 | 46418.660 | 30.431 |
| 31.565 | 23.978 | 1.021 | 14.734 |
| 10/14/2016 10:30:00 AM | 210600.000 | 122.906 | 19.682 |
| 276.857 | 41736.391 | 46455.176 | 30.458 |
| 31.590 | 23.960 | 1.021 | 14.724 |
| 10/14/2016 10:45:00 AM | 211500.000 | 122.894 | 19.682 |
| 276.830 | 41704.758 | 46420.141 | 30.432 |
| 31.566 | 23.978 | 1.021 | 14.734 |
| 10/14/2016 11:00:00 AM | 212400.000 | 122.869 | 19.683 |
| 276.774 | 41686.441 | 46398.805 | 30.417 |
| 31.551 | 23.989 | 1.021 | 14.735 |
| 10/14/2016 11:15:00 AM | 213300.000 | 122.858 | 19.682 |
| 276.750 | 41674.547 | 46386.172 | 30.407 |
| 31.543 | 23.995 | 1.021 | 14.733 |
| 10/14/2016 11:30:00 AM | 214200.000 | 122.834 | 19.683 |
| 276.695 | 41712.926 | 46427.941 | 30.438 |
| 31.571 | 23.973 | 1.021 | 14.731 |
| 10/14/2016 11:45:00 AM | 215100.000 | 122.819 | 19.684 |

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|---|---|---|---|
| 276.661 | 41711.008 | 46424.941 | 30.436 |
| 31.569 | 23.974 | 1.021 | 14.730 |
| 10/14/2016 12:00:00 PM | 216000.000 | 122.788 | 19.682 |
| 276.592 | 41707.328 | 46422.480 | 30.434 |
| 31.567 | 23.977 | 1.021 | 14.729 |
| 10/14/2016 12:15:00 PM | 216900.000 | 122.763 | 19.684 |
| 276.537 | 41708.781 | 46421.953 | 30.434 |
| 31.567 | 23.976 | 1.021 | 14.728 |
| 10/14/2016 12:30:00 PM | 217800.000 | 122.728 | 19.684 |
| 276.457 | 41687.574 | 46398.258 | 30.416 |
| 31.551 | 23.988 | 1.021 | 14.721 |
| 10/14/2016 12:45:00 PM | 218700.000 | 122.682 | 19.683 |
| 276.353 | 41732.602 | 46449.496 | 30.454 |
| 31.586 | 23.962 | 1.021 | 14.727 |
| 10/14/2016 1:00:00 PM | 219600.000 | 122.642 | 19.684 |
| 276.264 | 41704.590 | 46417.887 | 30.431 |
| 31.564 | 23.978 | 1.021 | 14.725 |
| 10/14/2016 1:15:00 PM | 220500.000 | 122.618 | 19.683 |
| 276.210 | 41687.012 | 46398.836 | 30.417 |
| 31.551 | 23.988 | 1.021 | 14.716 |
| 10/14/2016 1:30:00 PM | 221400.000 | 122.576 | 19.685 |
| 276.114 | 41702.313 | 46413.645 | 30.427 |
| 31.561 | 23.979 | 1.021 | 14.716 |
| 10/14/2016 1:45:00 PM | 222300.000 | 122.540 | 19.685 |
| 276.033 | 41714.293 | 46427.141 | 30.437 |
| 31.570 | 23.973 | 1.021 | 14.708 |
| 10/14/2016 2:00:00 PM | 223200.000 | 122.504 | 19.687 |
| 275.953 | 41705.777 | 46416.020 | 30.429 |
| 31.563 | 23.977 | 1.021 | 14.709 |
| 10/14/2016 2:15:00 PM | 224100.000 | 122.458 | 19.685 |
| 275.848 | 41673.754 | 46382.102 | 30.404 |
| 31.540 | 23.996 | 1.021 | 14.710 |
| 10/14/2016 2:30:00 PM | 225000.000 | 122.429 | 19.681 |
| 275.784 | 41694.688 | 46409.617 | 30.424 |
| 31.559 | 23.984 | 1.021 | 14.708 |
| 10/14/2016 2:45:00 PM | 225900.000 | 122.400 | 19.681 |
| 275.718 | 41715.156 | 46432.398 | 30.441 |
| 31.574 | 23.972 | 1.021 | 14.705 |
| 10/14/2016 3:00:00 PM | 226800.000 | 122.374 | 19.683 |
| 275.660 | 41685.961 | 46398.012 | 30.416 |
| 31.551 | 23.989 | 1.021 | 14.703 |
| 10/14/2016 3:15:00 PM | 227700.000 | 122.352 | 19.684 |
| 275.610 | 41690.035 | 46401.855 | 30.419 |
| 31.553 | 23.987 | 1.021 | 14.703 |
| 10/14/2016 3:30:00 PM | 228600.000 | 122.332 | 19.683 |
| 275.564 | 41692.559 | 46404.930 | 30.421 |
| 31.555 | 23.985 | 1.021 | 14.697 |
| 10/14/2016 3:45:00 PM | 229500.000 | 122.323 | 19.683 |
| 275.544 | 41710.059 | 46425.184 | 30.436 |
| 31.569 | 23.975 | 1.021 | 14.696 |
| 10/14/2016 4:00:00 PM | 230400.000 | 122.303 | 19.682 |
| 275.501 | 41704.047 | 46419.250 | 30.431 |
| 31.565 | 23.978 | 1.021 | 14.704 |
| 10/14/2016 4:15:00 PM | 231300.000 | 122.306 | 19.684 |

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|---|---|---|---|
| 275.507 | 41713.148 | 46427.582 | 30.438 |
| 31.571 | 23.973 | 1.021 | 14.700 |
| 10/14/2016 4:30:00 PM | 232200.000 | 122.307 | 19.683 |
| 275.508 | 41685.371 | 46397.184 | 30.415 |
| 31.550 | 23.989 | 1.021 | 14.697 |
| 10/14/2016 4:45:00 PM | 233100.000 | 122.304 | 19.683 |
| 275.502 | 41710.719 | 46425.059 | 30.436 |
| 31.569 | 23.975 | 1.021 | 14.696 |
| 10/14/2016 5:00:00 PM | 234000.000 | 122.321 | 19.681 |
| 275.541 | 41701.324 | 46416.738 | 30.430 |
| 31.563 | 23.980 | 1.021 | 14.694 |
| 10/14/2016 5:15:00 PM | 234900.000 | 122.331 | 19.684 |
| 275.563 | 41693.324 | 46405.516 | 30.421 |
| 31.556 | 23.985 | 1.021 | 14.694 |
| 10/14/2016 5:30:00 PM | 235800.000 | 122.354 | 19.682 |
| 275.614 | 41703.945 | 46418.895 | 30.431 |
| 31.565 | 23.979 | 1.021 | 14.694 |
| 10/14/2016 5:45:00 PM | 236700.000 | 122.373 | 19.682 |
| 275.658 | 41710.285 | 46426.035 | 30.436 |
| 31.570 | 23.975 | 1.021 | 14.696 |
| 10/14/2016 6:00:00 PM | 237600.000 | 122.402 | 19.684 |
| 275.723 | 41688.102 | 46399.020 | 30.417 |
| 31.551 | 23.988 | 1.021 | 14.693 |
| 10/14/2016 6:15:00 PM | 238500.000 | 122.434 | 19.684 |
| 275.795 | 41712.613 | 46426.984 | 30.437 |
| 31.570 | 23.974 | 1.021 | 14.699 |
| 10/14/2016 6:30:00 PM | 239400.000 | 122.461 | 19.684 |
| 275.854 | 41712.223 | 46426.211 | 30.437 |
| 31.570 | 23.974 | 1.021 | 14.696 |
| 10/14/2016 6:45:00 PM | 240300.000 | 122.491 | 19.684 |
| 275.924 | 41697.441 | 46409.758 | 30.425 |
| 31.559 | 23.982 | 1.021 | 14.695 |
| 10/14/2016 7:00:00 PM | 241200.000 | 122.535 | 19.684 |
| 276.022 | 41715.375 | 46429.465 | 30.439 |
| 31.572 | 23.972 | 1.021 | 14.697 |
| 10/14/2016 7:15:00 PM | 242100.000 | 122.572 | 19.683 |
| 276.105 | 41712.277 | 46427.305 | 30.437 |
| 31.571 | 23.974 | 1.021 | 14.699 |
| 10/14/2016 7:30:00 PM | 243000.000 | 122.605 | 19.682 |
| 276.179 | 41703.113 | 46417.789 | 30.430 |
| 31.564 | 23.979 | 1.021 | 14.709 |
| 10/14/2016 7:45:00 PM | 243900.000 | 122.655 | 19.683 |
| 276.292 | 41709.504 | 46424.566 | 30.435 |
| 31.569 | 23.975 | 1.021 | 14.702 |
| 10/14/2016 8:00:00 PM | 244800.000 | 122.699 | 19.680 |
| 276.391 | 41727.656 | 46447.352 | 30.452 |
| 31.584 | 23.965 | 1.021 | 14.705 |
| 10/14/2016 8:15:00 PM | 245700.000 | 122.725 | 19.684 |
| 276.450 | 41689.215 | 46400.258 | 30.418 |
| 31.552 | 23.987 | 1.021 | 14.705 |
| 10/14/2016 8:30:00 PM | 246600.000 | 122.757 | 19.683 |
| 276.522 | 41755.285 | 46474.746 | 30.472 |
| 31.603 | 23.949 | 1.021 | 14.699 |
| 10/14/2016 8:45:00 PM | 247500.000 | 122.798 | 19.684 |

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|---|---|---|---|
| 276.614 | 41680.270 | 46390.820 | 30.411 |
| 31.546 | 23.992 | 1.021 | 14.705 |
| 10/14/2016 9:00:00 PM | 248400.000 | 122.823 | 19.685 |
| 276.671 | 41712.895 | 46426.184 | 30.437 |
| 31.570 | 23.973 | 1.021 | 14.703 |
| 10/14/2016 9:15:00 PM | 249300.000 | 122.850 | 19.683 |
| 276.731 | 41711.965 | 46426.527 | 30.437 |
| 31.570 | 23.974 | 1.021 | 14.707 |
| 10/14/2016 9:30:00 PM | 250200.000 | 122.876 | 19.684 |
| 276.790 | 41704.887 | 46418.047 | 30.431 |
| 31.564 | 23.978 | 1.021 | 14.705 |
| 10/14/2016 9:45:00 PM | 251100.000 | 122.889 | 19.682 |
| 276.818 | 41675.301 | 46386.836 | 30.408 |
| 31.543 | 23.995 | 1.021 | 14.709 |
| 10/14/2016 10:00:00 PM | 252000.000 | 122.899 | 19.683 |
| 276.842 | 41718.102 | 46433.359 | 30.442 |
| 31.575 | 23.970 | 1.021 | 14.711 |
| 10/14/2016 10:15:00 PM | 252900.000 | 122.916 | 19.683 |
| 276.880 | 41716.906 | 46432.195 | 30.441 |
| 31.574 | 23.971 | 1.021 | 14.703 |
| 10/14/2016 10:30:00 PM | 253800.000 | 122.953 | 19.681 |
| 276.963 | 41707.105 | 46422.926 | 30.434 |
| 31.568 | 23.977 | 1.021 | 14.708 |
| 10/14/2016 10:45:00 PM | 254700.000 | 122.901 | 19.685 |
| 276.847 | 41680.402 | 46390.020 | 30.410 |
| 31.545 | 23.992 | 1.021 | 14.714 |
| 10/14/2016 11:00:00 PM | 255600.000 | 122.895 | 19.683 |
| 276.832 | 41705.105 | 46419.059 | 30.431 |
| 31.565 | 23.978 | 1.021 | 14.709 |
| 10/14/2016 11:15:00 PM | 256500.000 | 122.892 | 19.684 |
| 276.827 | 41721.832 | 46437.078 | 30.445 |
| 31.577 | 23.968 | 1.021 | 14.710 |
| 10/14/2016 11:30:00 PM | 257400.000 | 122.874 | 19.682 |
| 276.785 | 41717.449 | 46433.664 | 30.442 |
| 31.575 | 23.971 | 1.021 | 14.713 |
| 10/14/2016 11:45:00 PM | 258300.000 | 122.847 | 19.684 |
| 276.725 | 41705.969 | 46419.422 | 30.432 |
| 31.565 | 23.977 | 1.021 | 14.713 |
| 10/15/2016 12:00:00 AM | 259200.000 | 122.814 | 19.683 |
| 276.650 | 41711.078 | 46425.367 | 30.436 |
| 31.569 | 23.974 | 1.021 | 14.715 |
| 10/15/2016 12:15:00 AM | 260100.000 | 122.801 | 19.683 |
| 276.622 | 41699.980 | 46413.535 | 30.427 |
| 31.561 | 23.981 | 1.021 | 14.708 |
| 10/15/2016 12:30:00 AM | 261000.000 | 122.766 | 19.684 |
| 276.542 | 41696.492 | 46408.969 | 30.424 |
| 31.558 | 23.983 | 1.021 | 14.705 |
| 10/15/2016 12:45:00 AM | 261900.000 | 122.730 | 19.684 |
| 276.461 | 41718.746 | 46432.953 | 30.442 |
| 31.574 | 23.970 | 1.021 | 14.710 |
| 10/15/2016 1:00:00 AM | 262800.000 | 122.700 | 19.682 |
| 276.394 | 41684.953 | 46398.180 | 30.416 |
| 31.551 | 23.989 | 1.021 | 14.702 |
| 10/15/2016 1:15:00 AM | 263700.000 | 122.663 | 19.682 |

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|---|---|---|---|
| 276.311 | 41717.984 | 46434.262 | 30.442 |
| 31.575 | 23.970 | 1.021 | 14.708 |
| 10/15/2016 1:30:00 AM | 264600.000 | 122.621 | 19.681 |
| 276.216 | 41734.082 | 46452.949 | 30.456 |
| 31.588 | 23.961 | 1.021 | 14.709 |
| 10/15/2016 1:45:00 AM | 265500.000 | 122.583 | 19.685 |
| 276.131 | 41693.828 | 46404.203 | 30.421 |
| 31.555 | 23.984 | 1.021 | 14.707 |
| 10/15/2016 2:00:00 AM | 266400.000 | 122.549 | 19.683 |
| 276.053 | 41672.391 | 46382.996 | 30.405 |
| 31.540 | 23.997 | 1.021 | 14.706 |
| 10/15/2016 2:15:00 AM | 267300.000 | 122.504 | 19.681 |
| 275.952 | 41695.496 | 46410.086 | 30.425 |
| 31.559 | 23.983 | 1.021 | 14.713 |
| 10/15/2016 2:30:00 AM | 268200.000 | 122.482 | 19.683 |
| 275.902 | 41702.086 | 46415.699 | 30.429 |
| 31.563 | 23.980 | 1.021 | 14.711 |
| 10/15/2016 2:45:00 AM | 269100.000 | 122.450 | 19.686 |
| 275.831 | 41729.113 | 46442.691 | 30.449 |
| 31.581 | 23.964 | 1.021 | 14.702 |
| 10/15/2016 3:00:00 AM | 270000.000 | 122.422 | 19.683 |
| 275.767 | 41710.445 | 46424.664 | 30.435 |
| 31.569 | 23.975 | 1.021 | 14.706 |
| 10/15/2016 3:15:00 AM | 270900.000 | 122.389 | 19.684 |
| 275.693 | 41694.332 | 46406.043 | 30.422 |
| 31.556 | 23.984 | 1.021 | 14.704 |
| 10/15/2016 3:30:00 AM | 271800.000 | 122.371 | 19.681 |
| 275.653 | 41712.805 | 46429.945 | 30.439 |
| 31.572 | 23.973 | 1.021 | 14.707 |
| 10/15/2016 3:45:00 AM | 272700.000 | 122.344 | 19.684 |
| 275.591 | 41700.168 | 46412.539 | 30.427 |
| 31.561 | 23.981 | 1.021 | 14.706 |
| 10/15/2016 4:00:00 AM | 273600.000 | 122.337 | 19.684 |
| 275.575 | 41733.707 | 46449.695 | 30.454 |
| 31.586 | 23.961 | 1.021 | 14.704 |
| 10/15/2016 4:15:00 AM | 274500.000 | 122.329 | 19.685 |
| 275.559 | 41718.922 | 46432.984 | 30.442 |
| 31.574 | 23.970 | 1.021 | 14.700 |
| 10/15/2016 4:30:00 AM | 275400.000 | 122.335 | 19.686 |
| 275.570 | 41726.371 | 46440.242 | 30.447 |
| 31.579 | 23.966 | 1.021 | 14.693 |
| 10/15/2016 4:45:00 AM | 276300.000 | 122.335 | 19.685 |
| 275.571 | 41736.410 | 46452.355 | 30.456 |
| 31.588 | 23.960 | 1.021 | 14.693 |
| 10/15/2016 5:00:00 AM | 277200.000 | 122.335 | 19.685 |
| 275.572 | 41694.078 | 46405.242 | 30.421 |
| 31.556 | 23.984 | 1.021 | 14.697 |
| 10/15/2016 5:15:00 AM | 278100.000 | 122.356 | 19.683 |
| 275.619 | 41722.191 | 46438.168 | 30.445 |
| 31.578 | 23.968 | 1.021 | 14.697 |
| 10/15/2016 5:30:00 AM | 279000.000 | 122.365 | 19.681 |
| 275.639 | 41678.422 | 46391.852 | 30.411 |
| 31.546 | 23.993 | 1.021 | 14.701 |
| 10/15/2016 5:45:00 AM | 279900.000 | 122.400 | 19.681 |

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|---|---|---|---|
| 275.719 | 41697.086 | 46411.855 | 30.426 |
| 31.560 | 23.982 | 1.021 | 14.695 |
| 10/15/2016 6:00:00 AM | 280800.000 | 122.421 | 19.682 |
| 275.765 | 41715.297 | 46431.871 | 30.441 |
| 31.574 | 23.972 | 1.021 | 14.700 |
| 10/15/2016 6:15:00 AM | 281700.000 | 122.447 | 19.683 |
| 275.823 | 41724.219 | 46440.332 | 30.447 |
| 31.579 | 23.967 | 1.021 | 14.708 |
| 10/15/2016 6:30:00 AM | 282600.000 | 122.481 | 19.681 |
| 275.900 | 41707.898 | 46424.484 | 30.435 |
| 31.569 | 23.976 | 1.021 | 14.707 |
| 10/15/2016 6:45:00 AM | 283500.000 | 122.534 | 19.681 |
| 276.020 | 41719.566 | 46437.133 | 30.444 |
| 31.577 | 23.970 | 1.021 | 14.701 |
| 10/15/2016 7:00:00 AM | 284400.000 | 122.567 | 19.682 |
| 276.095 | 41696.340 | 46410.852 | 30.425 |
| 31.559 | 23.983 | 1.021 | 14.705 |
| 10/15/2016 7:15:00 AM | 285300.000 | 122.610 | 19.681 |
| 276.192 | 41717.879 | 46435.688 | 30.443 |
| 31.576 | 23.971 | 1.021 | 14.706 |
| 10/15/2016 7:30:00 AM | 286200.000 | 122.662 | 19.681 |
| 276.307 | 41688.699 | 46403.039 | 30.420 |
| 31.554 | 23.987 | 1.021 | 14.700 |
| 10/15/2016 7:45:00 AM | 287100.000 | 122.707 | 19.680 |
| 276.410 | 41689.109 | 46404.699 | 30.421 |
| 31.555 | 23.987 | 1.021 | 14.702 |
| 10/15/2016 8:00:00 AM | 288000.000 | 122.755 | 19.681 |
| 276.518 | 41713.512 | 46430.570 | 30.440 |
| 31.573 | 23.973 | 1.021 | 14.703 |
| 10/15/2016 8:15:00 AM | 288900.000 | 122.799 | 19.679 |
| 276.616 | 41697.195 | 46414.727 | 30.428 |
| 31.562 | 23.982 | 1.021 | 14.702 |
| 10/15/2016 8:30:00 AM | 289800.000 | 122.853 | 19.681 |
| 276.739 | 41703.402 | 46418.801 | 30.431 |
| 31.565 | 23.979 | 1.021 | 14.698 |
| 10/15/2016 8:45:00 AM | 290700.000 | 122.888 | 19.682 |
| 276.817 | 41737.723 | 46456.730 | 30.459 |
| 31.591 | 23.959 | 1.021 | 14.697 |
| 10/15/2016 9:00:00 AM | 291600.000 | 122.929 | 19.681 |
| 276.910 | 41715.988 | 46432.988 | 30.441 |
| 31.574 | 23.972 | 1.021 | 14.704 |
| 10/15/2016 9:15:00 AM | 292500.000 | 122.960 | 19.680 |
| 276.978 | 41704.605 | 46421.340 | 30.433 |
| 31.567 | 23.978 | 1.021 | 14.704 |
| 10/15/2016 9:30:00 AM | 293400.000 | 122.987 | 19.686 |
| 277.041 | 41725.508 | 46438.941 | 30.446 |
| 31.578 | 23.966 | 1.021 | 14.705 |
| 10/15/2016 9:45:00 AM | 294300.000 | 123.003 | 19.684 |
| 277.075 | 41734.492 | 46450.996 | 30.455 |
| 31.587 | 23.961 | 1.021 | 14.711 |
| 10/15/2016 10:00:00 AM | 295200.000 | 123.028 | 19.687 |
| 277.134 | 41690.758 | 46399.656 | 30.417 |
| 31.552 | 23.986 | 1.021 | 14.711 |
| 10/15/2016 10:15:00 AM | 296100.000 | 123.050 | 19.683 |

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|---|---|---|---|
| 277.182 | 41703.051 | 46416.863 | 30.430 |
| 31.563 | 23.979 | 1.021 | 14.711 |
| 10/15/2016 10:30:00 AM | 297000.000 | 123.059 | 19.681 |
| 277.203 | 41713.809 | 46430.387 | 30.440 |
| 31.573 | 23.973 | 1.021 | 14.712 |
| 10/15/2016 10:45:00 AM | 297900.000 | 123.092 | 19.683 |
| 277.276 | 41708.488 | 46422.824 | 30.434 |
| 31.568 | 23.976 | 1.021 | 14.710 |
| 10/15/2016 11:00:00 AM | 298800.000 | 123.064 | 19.679 |
| 277.214 | 41700.309 | 46417.590 | 30.430 |
| 31.564 | 23.981 | 1.021 | 14.709 |
| 10/15/2016 11:15:00 AM | 299700.000 | 123.055 | 19.680 |
| 277.194 | 41699.102 | 46415.477 | 30.429 |
| 31.563 | 23.981 | 1.021 | 14.710 |
| 10/15/2016 11:30:00 AM | 300600.000 | 123.047 | 19.682 |
| 277.174 | 41706.230 | 46421.086 | 30.433 |
| 31.566 | 23.977 | 1.021 | 14.703 |
| 10/15/2016 11:45:00 AM | 301500.000 | 123.023 | 19.684 |
| 277.122 | 41719.680 | 46434.332 | 30.443 |
| 31.575 | 23.970 | 1.021 | 14.699 |
| 10/15/2016 12:00:00 PM | 302400.000 | 123.011 | 19.682 |
| 277.094 | 41702.469 | 46417.074 | 30.430 |
| 31.564 | 23.979 | 1.021 | 14.698 |
| 10/15/2016 12:15:00 PM | 303300.000 | 122.979 | 19.683 |
| 277.021 | 41683.004 | 46394.887 | 30.414 |
| 31.549 | 23.991 | 1.021 | 14.694 |
| 10/15/2016 12:30:00 PM | 304200.000 | 122.949 | 19.682 |
| 276.954 | 41697.715 | 46411.605 | 30.426 |
| 31.560 | 23.982 | 1.021 | 14.693 |
| 10/15/2016 12:45:00 PM | 305100.000 | 122.908 | 19.687 |
| 276.862 | 41700.223 | 46409.840 | 30.425 |
| 31.559 | 23.981 | 1.021 | 14.693 |
| 10/15/2016 1:00:00 PM | 306000.000 | 122.873 | 19.686 |
| 276.783 | 41695.352 | 46405.117 | 30.421 |
| 31.555 | 23.983 | 1.021 | 14.689 |
| 10/15/2016 1:15:00 PM | 306900.000 | 122.835 | 19.684 |
| 276.697 | 41709.992 | 46423.301 | 30.434 |
| 31.568 | 23.975 | 1.021 | 14.677 |
| 10/15/2016 1:30:00 PM | 307800.000 | 122.792 | 19.681 |
| 276.600 | 41733.199 | 46452.051 | 30.455 |
| 31.587 | 23.962 | 1.021 | 14.677 |
| 10/15/2016 1:45:00 PM | 308700.000 | 122.780 | 19.684 |
| 276.575 | 41695.633 | 46408.086 | 30.423 |
| 31.557 | 23.983 | 1.021 | 14.672 |
| 10/15/2016 2:00:00 PM | 309600.000 | 122.704 | 19.683 |
| 276.404 | 41731.605 | 46448.215 | 30.453 |
| 31.585 | 23.963 | 1.021 | 14.670 |
| 10/15/2016 2:15:00 PM | 310500.000 | 122.663 | 19.685 |
| 276.311 | 41702.574 | 46414.012 | 30.428 |
| 31.562 | 23.979 | 1.021 | 14.667 |
| 10/15/2016 2:30:00 PM | 311400.000 | 122.618 | 19.688 |
| 276.210 | 41703.391 | 46412.770 | 30.427 |
| 31.561 | 23.979 | 1.021 | 14.659 |
| 10/15/2016 2:45:00 PM | 312300.000 | 122.586 | 19.686 |

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|---|---|---|---|
| 276.138 | 41724.723 | 46438.406 | 30.446 |
| 31.578 | 23.967 | 1.021 | 14.651 |
| 10/15/2016 3:00:00 PM | 313200.000 | 122.536 | 19.684 |
| 276.023 | 41694.395 | 46406.453 | 30.422 |
| 31.556 | 23.984 | 1.021 | 14.659 |
| 10/15/2016 3:15:00 PM | 314100.000 | 122.495 | 19.688 |
| 275.931 | 41739.328 | 46452.344 | 30.456 |
| 31.588 | 23.958 | 1.021 | 14.664 |
| 10/15/2016 3:30:00 PM | 315000.000 | 122.462 | 19.683 |
| 275.858 | 41691.539 | 46404.387 | 30.421 |
| 31.555 | 23.986 | 1.021 | 14.663 |
| 10/15/2016 3:45:00 PM | 315900.000 | 122.431 | 19.685 |
| 275.788 | 41704.707 | 46417.164 | 30.430 |
| 31.564 | 23.978 | 1.021 | 14.660 |
| 10/15/2016 4:00:00 PM | 316800.000 | 122.418 | 19.684 |
| 275.758 | 41727.348 | 46443.313 | 30.449 |
| 31.581 | 23.965 | 1.021 | 14.655 |
| 10/15/2016 4:15:00 PM | 317700.000 | 122.386 | 19.685 |
| 275.686 | 41693.340 | 46404.590 | 30.421 |
| 31.555 | 23.985 | 1.021 | 14.659 |
| 10/15/2016 4:30:00 PM | 318600.000 | 122.353 | 19.685 |
| 275.612 | 41690.750 | 46401.020 | 30.418 |
| 31.553 | 23.986 | 1.021 | 14.669 |
| 10/15/2016 4:45:00 PM | 319500.000 | 122.351 | 19.686 |
| 275.607 | 41711.813 | 46423.859 | 30.435 |
| 31.568 | 23.974 | 1.021 | 14.674 |
| 10/15/2016 5:00:00 PM | 320400.000 | 122.336 | 19.685 |
| 275.574 | 41697.363 | 46408.723 | 30.424 |
| 31.558 | 23.982 | 1.021 | 14.667 |
| 10/15/2016 5:15:00 PM | 321300.000 | 122.337 | 19.681 |
| 275.577 | 41703.273 | 46419.262 | 30.431 |
| 31.565 | 23.979 | 1.021 | 14.668 |
| 10/15/2016 5:30:00 PM | 322200.000 | 122.337 | 19.681 |
| 275.576 | 41696.633 | 46411.516 | 30.426 |
| 31.560 | 23.983 | 1.021 | 14.670 |
| 10/15/2016 5:45:00 PM | 323100.000 | 122.345 | 19.683 |
| 275.594 | 41689.043 | 46401.609 | 30.419 |
| 31.553 | 23.987 | 1.021 | 14.668 |
| 10/15/2016 6:00:00 PM | 324000.000 | 122.367 | 19.683 |
| 275.644 | 41702.672 | 46416.867 | 30.430 |
| 31.563 | 23.979 | 1.021 | 14.664 |
| 10/15/2016 6:15:00 PM | 324900.000 | 122.386 | 19.682 |
| 275.686 | 41680.980 | 46393.418 | 30.413 |
| 31.548 | 23.992 | 1.021 | 14.659 |
| 10/15/2016 6:30:00 PM | 325800.000 | 122.423 | 19.681 |
| 275.769 | 41716.398 | 46433.352 | 30.442 |
| 31.575 | 23.971 | 1.021 | 14.660 |
| 10/15/2016 6:45:00 PM | 326700.000 | 122.444 | 19.682 |
| 275.816 | 41691.809 | 46405.031 | 30.421 |
| 31.555 | 23.986 | 1.021 | 14.663 |
| 10/15/2016 7:00:00 PM | 327600.000 | 122.476 | 19.681 |
| 275.888 | 41710.160 | 46426.930 | 30.437 |
| 31.570 | 23.975 | 1.021 | 14.662 |
| 10/15/2016 7:15:00 PM | 328500.000 | 122.519 | 19.681 |

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|---|---|---|---|
| 275.986 | 41704.113 | 46420.109 | 30.432 |
| 31.566 | 23.978 | 1.021 | 14.660 |
| 10/15/2016 7:30:00 PM | 329400.000 | 122.556 | 19.680 |
| 276.070 | 41698.703 | 46414.859 | 30.428 |
| 31.562 | 23.982 | 1.021 | 14.655 |
| 10/15/2016 7:45:00 PM | 330300.000 | 122.596 | 19.680 |
| 276.160 | 41685.594 | 46400.871 | 30.418 |
| 31.553 | 23.989 | 1.021 | 14.662 |
| 10/15/2016 8:00:00 PM | 331200.000 | 122.635 | 19.679 |
| 276.247 | 41726.402 | 46447.156 | 30.452 |
| 31.584 | 23.966 | 1.021 | 14.667 |
| 10/15/2016 8:15:00 PM | 332100.000 | 122.685 | 19.679 |
| 276.360 | 41665.633 | 46379.172 | 30.402 |
| 31.538 | 24.001 | 1.021 | 14.666 |
| 10/15/2016 8:30:00 PM | 333000.000 | 122.719 | 19.680 |
| 276.437 | 41684.594 | 46398.898 | 30.416 |
| 31.551 | 23.990 | 1.021 | 14.670 |
| 10/15/2016 8:45:00 PM | 333900.000 | 122.768 | 19.679 |
| 276.547 | 41688.387 | 46404.070 | 30.420 |
| 31.555 | 23.987 | 1.021 | 14.663 |
| 10/15/2016 9:00:00 PM | 334800.000 | 122.800 | 19.680 |
| 276.619 | 41692.820 | 46408.055 | 30.423 |
| 31.557 | 23.985 | 1.021 | 14.672 |
| 10/15/2016 9:15:00 PM | 335700.000 | 122.851 | 19.678 |
| 276.733 | 41705.992 | 46425.211 | 30.436 |
| 31.569 | 23.977 | 1.021 | 14.670 |
| 10/15/2016 9:30:00 PM | 336600.000 | 122.895 | 19.677 |
| 276.832 | 41735.875 | 46459.508 | 30.461 |
| 31.592 | 23.960 | 1.021 | 14.664 |
| 10/15/2016 9:45:00 PM | 337500.000 | 122.924 | 19.680 |
| 276.899 | 41719.480 | 46437.988 | 30.445 |
| 31.578 | 23.970 | 1.021 | 14.669 |
| 10/15/2016 10:00:00 PM | 338400.000 | 122.944 | 19.685 |
| 276.943 | 41706.984 | 46419.344 | 30.432 |
| 31.565 | 23.977 | 1.021 | 14.679 |
| 10/15/2016 10:15:00 PM | 339300.000 | 122.978 | 19.679 |
| 277.020 | 41713.563 | 46432.340 | 30.441 |
| 31.574 | 23.973 | 1.021 | 14.672 |
| 10/15/2016 10:30:00 PM | 340200.000 | 122.993 | 19.677 |
| 277.053 | 41672.672 | 46389.324 | 30.409 |
| 31.545 | 23.997 | 1.021 | 14.669 |
| 10/15/2016 10:45:00 PM | 341100.000 | 123.013 | 19.681 |
| 277.098 | 41686.016 | 46399.699 | 30.417 |
| 31.552 | 23.989 | 1.021 | 14.672 |
| 10/15/2016 11:00:00 PM | 342000.000 | 123.021 | 19.679 |
| 277.117 | 41694.625 | 46411.699 | 30.426 |
| 31.560 | 23.984 | 1.021 | 14.670 |
| 10/15/2016 11:15:00 PM | 342900.000 | 123.026 | 19.678 |
| 277.129 | 41692.465 | 46409.805 | 30.424 |
| 31.559 | 23.985 | 1.021 | 14.671 |
| 10/15/2016 11:30:00 PM | 343800.000 | 123.026 | 19.678 |
| 277.129 | 41695.063 | 46412.523 | 30.426 |
| 31.561 | 23.984 | 1.021 | 14.675 |
| 10/15/2016 11:45:00 PM | 344700.000 | 123.021 | 19.679 |

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|---|---|---|---|
| 277.117 | 41707.469 | 46425.559 | 30.436 |
| 31.569 | 23.977 | 1.021 | 14.677 |
| 10/16/2016 12:00:00 AM | 345600.000 | 123.011 | 19.681 |
| 277.095 | 41671.656 | 46383.551 | 30.405 |
| 31.541 | 23.997 | 1.021 | 14.678 |
| 10/16/2016 12:15:00 AM | 346500.000 | 123.005 | 19.679 |
| 277.081 | 41701.496 | 46418.754 | 30.431 |
| 31.565 | 23.980 | 1.021 | 14.677 |
| 10/16/2016 12:30:00 AM | 347400.000 | 122.978 | 19.682 |
| 277.019 | 41702.008 | 46417.078 | 30.430 |
| 31.564 | 23.980 | 1.021 | 14.681 |
| 10/16/2016 12:45:00 AM | 348300.000 | 122.944 | 19.681 |
| 276.943 | 41714.250 | 46431.555 | 30.440 |
| 31.573 | 23.973 | 1.021 | 14.684 |
| 10/16/2016 1:00:00 AM | 349200.000 | 122.930 | 19.682 |
| 276.912 | 41719.973 | 46436.977 | 30.444 |
| 31.577 | 23.969 | 1.021 | 14.683 |
| 10/16/2016 1:15:00 AM | 350100.000 | 122.900 | 19.681 |
| 276.843 | 41686.734 | 46400.766 | 30.418 |
| 31.553 | 23.988 | 1.021 | 14.680 |
| 10/16/2016 1:30:00 AM | 351000.000 | 122.869 | 19.682 |
| 276.774 | 41709.480 | 46424.703 | 30.435 |
| 31.569 | 23.975 | 1.021 | 14.682 |
| 10/16/2016 1:45:00 AM | 351900.000 | 122.834 | 19.684 |
| 276.697 | 41706.602 | 46420.039 | 30.432 |
| 31.566 | 23.977 | 1.021 | 14.682 |
| 10/16/2016 2:00:00 AM | 352800.000 | 122.795 | 19.685 |
| 276.607 | 41707.902 | 46420.625 | 30.433 |
| 31.566 | 23.976 | 1.021 | 14.686 |
| 10/16/2016 2:15:00 AM | 353700.000 | 122.768 | 19.680 |
| 276.548 | 41720.750 | 46439.309 | 30.446 |
| 31.579 | 23.969 | 1.021 | 14.684 |
| 10/16/2016 2:30:00 AM | 354600.000 | 122.729 | 19.683 |
| 276.458 | 41713.934 | 46428.977 | 30.439 |
| 31.572 | 23.973 | 1.021 | 14.682 |
| 10/16/2016 2:45:00 AM | 355500.000 | 122.687 | 19.679 |
| 276.364 | 41694.855 | 46411.773 | 30.426 |
| 31.560 | 23.984 | 1.021 | 14.684 |
| 10/16/2016 3:00:00 AM | 356400.000 | 122.669 | 19.679 |
| 276.324 | 41740.613 | 46462.633 | 30.463 |
| 31.595 | 23.957 | 1.021 | 14.678 |
| 10/16/2016 3:15:00 AM | 357300.000 | 122.621 | 19.684 |
| 276.216 | 41699.586 | 46412.320 | 30.426 |
| 31.560 | 23.981 | 1.021 | 14.681 |
| 10/16/2016 3:30:00 AM | 358200.000 | 122.599 | 19.683 |
| 276.166 | 41681.852 | 46393.605 | 30.413 |
| 31.548 | 23.991 | 1.021 | 14.673 |
| 10/16/2016 3:45:00 AM | 359100.000 | 122.574 | 19.681 |
| 276.110 | 41725.652 | 46444.340 | 30.450 |
| 31.582 | 23.966 | 1.021 | 14.673 |
| 10/16/2016 4:00:00 AM | 360000.000 | 122.554 | 19.684 |
| 276.065 | 41714.074 | 46427.844 | 30.438 |
| 31.571 | 23.973 | 1.021 | 14.674 |
| 10/16/2016 4:15:00 AM | 360900.000 | 122.533 | 19.682 |

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|---|---|---|---|
| 276.017 | 41709.250 | 46424.883 | 30.436 |
| 31.569 | 23.975 | 1.021 | 14.674 |
| 10/16/2016 4:30:00 AM | 361800.000 | 122.519 | 19.685 |
| 275.986 | 41719.539 | 46432.977 | 30.442 |
| 31.574 | 23.970 | 1.021 | 14.668 |
| 10/16/2016 4:45:00 AM | 362700.000 | 122.509 | 19.681 |
| 275.964 | 41728.609 | 46447.375 | 30.452 |
| 31.584 | 23.964 | 1.021 | 14.672 |
| 10/16/2016 5:00:00 AM | 363600.000 | 122.496 | 19.682 |
| 275.935 | 41684.668 | 46397.340 | 30.415 |
| 31.550 | 23.990 | 1.021 | 14.672 |
| 10/16/2016 5:15:00 AM | 364500.000 | 122.491 | 19.683 |
| 275.922 | 41711.805 | 46427.125 | 30.437 |
| 31.570 | 23.974 | 1.021 | 14.673 |
| 10/16/2016 5:30:00 AM | 365400.000 | 122.503 | 19.685 |
| 275.950 | 41709.430 | 46422.500 | 30.434 |
| 31.567 | 23.975 | 1.021 | 14.669 |
| 10/16/2016 5:45:00 AM | 366300.000 | 122.474 | 19.681 |
| 275.884 | 41691.895 | 46406.168 | 30.422 |
| 31.556 | 23.985 | 1.021 | 14.677 |
| 10/16/2016 6:00:00 AM | 367200.000 | 122.531 | 19.682 |
| 276.013 | 41698.516 | 46412.754 | 30.427 |
| 31.561 | 23.982 | 1.021 | 14.669 |
| 10/16/2016 6:15:00 AM | 368100.000 | 122.545 | 19.682 |
| 276.045 | 41711.703 | 46427.695 | 30.438 |
| 31.571 | 23.974 | 1.021 | 14.668 |
| 10/16/2016 6:30:00 AM | 369000.000 | 122.569 | 19.680 |
| 276.098 | 41689.301 | 46404.395 | 30.420 |
| 31.555 | 23.987 | 1.021 | 14.668 |
| 10/16/2016 6:45:00 AM | 369900.000 | 122.599 | 19.676 |
| 276.166 | 41678.504 | 46396.500 | 30.415 |
| 31.550 | 23.993 | 1.021 | 14.675 |
| 10/16/2016 7:00:00 AM | 370800.000 | 122.641 | 19.682 |
| 276.260 | 41711.813 | 46427.992 | 30.438 |
| 31.571 | 23.974 | 1.021 | 14.667 |
| 10/16/2016 7:15:00 AM | 371700.000 | 122.681 | 19.682 |
| 276.352 | 41686.945 | 46400.395 | 30.418 |
| 31.552 | 23.988 | 1.021 | 14.671 |
| 10/16/2016 7:30:00 AM | 372600.000 | 122.726 | 19.683 |
| 276.453 | 41680.641 | 46391.918 | 30.411 |
| 31.547 | 23.992 | 1.021 | 14.669 |
| 10/16/2016 7:45:00 AM | 373500.000 | 122.775 | 19.679 |
| 276.564 | 41684.148 | 46400.301 | 30.417 |
| 31.552 | 23.990 | 1.021 | 14.666 |
| 10/16/2016 8:00:00 AM | 374400.000 | 122.846 | 19.679 |
| 276.722 | 41700.648 | 46418.316 | 30.431 |
| 31.564 | 23.980 | 1.021 | 14.662 |
| 10/16/2016 8:15:00 AM | 375300.000 | 122.872 | 19.678 |
| 276.781 | 41692.535 | 46410.055 | 30.425 |
| 31.559 | 23.985 | 1.021 | 14.661 |
| 10/16/2016 8:30:00 AM | 376200.000 | 122.915 | 19.678 |
| 276.878 | 41692.410 | 46409.918 | 30.424 |
| 31.559 | 23.985 | 1.021 | 14.667 |
| 10/16/2016 8:45:00 AM | 377100.000 | 122.966 | 19.684 |

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|---|---|---|---|
| 276.992 | 41691.523 | 46402.652 | 30.419 |
| 31.554 | 23.986 | 1.021 | 14.668 |
| 10/16/2016 9:00:00 AM | 378000.000 | 123.016 | 19.677 |
| 277.105 | 41702.090 | 46421.988 | 30.433 |
| 31.567 | 23.980 | 1.021 | 14.662 |
| 10/16/2016 9:15:00 AM | 378900.000 | 123.057 | 19.678 |
| 277.198 | 41676.316 | 46392.434 | 30.412 |
| 31.547 | 23.994 | 1.021 | 14.661 |
| 10/16/2016 9:30:00 AM | 379800.000 | 123.090 | 19.679 |
| 277.272 | 41706.098 | 46424.379 | 30.435 |
| 31.569 | 23.977 | 1.021 | 14.664 |
| 10/16/2016 9:45:00 AM | 380700.000 | 123.135 | 19.682 |
| 277.374 | 41675.617 | 46387.012 | 30.408 |
| 31.543 | 23.995 | 1.021 | 14.663 |
| 10/16/2016 10:00:00 AM | 381600.000 | 123.168 | 19.677 |
| 277.448 | 41689.402 | 46407.867 | 30.423 |
| 31.557 | 23.987 | 1.021 | 14.664 |
| 10/16/2016 10:15:00 AM | 382500.000 | 123.193 | 19.677 |
| 277.504 | 41693.398 | 46411.613 | 30.426 |
| 31.560 | 23.985 | 1.021 | 14.665 |
| 10/16/2016 10:30:00 AM | 383400.000 | 123.231 | 19.682 |
| 277.590 | 41716.109 | 46432.676 | 30.441 |
| 31.574 | 23.972 | 1.021 | 14.660 |
| 10/16/2016 10:45:00 AM | 384300.000 | 123.247 | 19.675 |
| 277.627 | 41683.949 | 46403.773 | 30.420 |
| 31.555 | 23.990 | 1.021 | 14.659 |
| 10/16/2016 11:00:00 AM | 385200.000 | 123.259 | 19.676 |
| 277.654 | 41704.973 | 46425.965 | 30.436 |
| 31.570 | 23.978 | 1.021 | 14.660 |
| 10/16/2016 11:15:00 AM | 386100.000 | 123.270 | 19.676 |
| 277.677 | 41691.820 | 46411.664 | 30.426 |
| 31.560 | 23.986 | 1.021 | 14.658 |
| 10/16/2016 11:30:00 AM | 387000.000 | 123.266 | 19.678 |
| 277.668 | 41681.988 | 46398.656 | 30.416 |
| 31.551 | 23.991 | 1.021 | 14.658 |
| 10/16/2016 11:45:00 AM | 387900.000 | 123.266 | 19.677 |
| 277.668 | 41723.418 | 46445.293 | 30.450 |
| 31.583 | 23.967 | 1.021 | 14.659 |
| 10/16/2016 12:00:00 PM | 388800.000 | 123.250 | 19.677 |
| 277.633 | 41695.719 | 46414.633 | 30.428 |
| 31.562 | 23.983 | 1.021 | 14.652 |
| 10/16/2016 12:15:00 PM | 389700.000 | 123.239 | 19.680 |
| 277.608 | 41722.672 | 46441.879 | 30.448 |
| 31.580 | 23.968 | 1.021 | 14.647 |
| 10/16/2016 12:30:00 PM | 390600.000 | 123.213 | 19.679 |
| 277.548 | 41687.090 | 46403.129 | 30.420 |
| 31.554 | 23.988 | 1.021 | 14.652 |
| 10/16/2016 12:45:00 PM | 391500.000 | 123.181 | 19.675 |
| 277.477 | 41695.902 | 46417.328 | 30.430 |
| 31.564 | 23.983 | 1.021 | 14.653 |
| 10/16/2016 1:00:00 PM | 392400.000 | 123.150 | 19.671 |
| 277.407 | 41704.129 | 46430.012 | 30.439 |
| 31.572 | 23.978 | 1.021 | 14.652 |
| 10/16/2016 1:15:00 PM | 393300.000 | 123.118 | 19.673 |

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|---|---|---|---|
| 277.335 | 41705.332 | 46428.949 | 30.438 |
| 31.572 | 23.978 | 1.021 | 14.645 |
| 10/16/2016 1:30:00 PM | 394200.000 | 123.057 | 19.679 |
| 277.198 | 41691.129 | 46407.551 | 30.423 |
| 31.557 | 23.986 | 1.021 | 14.654 |
| 10/16/2016 1:45:00 PM | 395100.000 | 123.030 | 19.681 |
| 277.137 | 41718.688 | 46436.332 | 30.444 |
| 31.577 | 23.970 | 1.021 | 14.641 |
| 10/16/2016 2:00:00 PM | 396000.000 | 122.979 | 19.681 |
| 277.021 | 41719.957 | 46437.742 | 30.445 |
| 31.578 | 23.969 | 1.021 | 14.636 |
| 10/16/2016 2:15:00 PM | 396900.000 | 122.935 | 19.686 |
| 276.923 | 41718.016 | 46430.340 | 30.440 |
| 31.573 | 23.970 | 1.021 | 14.632 |
| 10/16/2016 2:30:00 PM | 397800.000 | 122.883 | 19.679 |
| 276.806 | 41724.703 | 46444.660 | 30.450 |
| 31.582 | 23.967 | 1.021 | 14.630 |
| 10/16/2016 2:45:00 PM | 398700.000 | 122.838 | 19.678 |
| 276.705 | 41688.230 | 46405.094 | 30.421 |
| 31.555 | 23.988 | 1.021 | 14.636 |
| 10/16/2016 3:00:00 PM | 399600.000 | 122.786 | 19.687 |
| 276.587 | 41731.953 | 46444.648 | 30.450 |
| 31.582 | 23.962 | 1.021 | 14.631 |
| 10/16/2016 3:15:00 PM | 400500.000 | 122.733 | 19.682 |
| 276.469 | 41693.027 | 46407.164 | 30.423 |
| 31.557 | 23.985 | 1.021 | 14.638 |
| 10/16/2016 3:30:00 PM | 401400.000 | 122.692 | 19.668 |
| 276.376 | 41672.332 | 46397.629 | 30.415 |
| 31.550 | 23.997 | 1.021 | 14.633 |
| 10/16/2016 3:45:00 PM | 402300.000 | 122.645 | 19.673 |
| 276.270 | 41671.523 | 46391.738 | 30.411 |
| 31.546 | 23.997 | 1.021 | 14.635 |
| 10/16/2016 4:00:00 PM | 403200.000 | 122.603 | 19.664 |
| 276.174 | 41703.949 | 46436.441 | 30.443 |
| 31.577 | 23.979 | 1.021 | 14.631 |
| 10/16/2016 4:15:00 PM | 404100.000 | 122.567 | 19.663 |
| 276.094 | 41662.785 | 46391.809 | 30.411 |
| 31.546 | 24.002 | 1.021 | 14.635 |
| 10/16/2016 4:30:00 PM | 405000.000 | 122.530 | 19.664 |
| 276.012 | 41686.813 | 46417.527 | 30.429 |
| 31.564 | 23.988 | 1.021 | 14.639 |
| 10/16/2016 4:45:00 PM | 405900.000 | 122.498 | 19.660 |
| 275.938 | 41679.723 | 46413.328 | 30.426 |
| 31.561 | 23.992 | 1.021 | 14.639 |
| 10/16/2016 5:00:00 PM | 406800.000 | 122.477 | 19.664 |
| 275.892 | 41675.035 | 46404.496 | 30.420 |
| 31.555 | 23.995 | 1.021 | 14.639 |
| 10/16/2016 5:15:00 PM | 407700.000 | 122.453 | 19.664 |
| 275.838 | 41703.988 | 46436.313 | 30.443 |
| 31.577 | 23.979 | 1.021 | 14.644 |
| 10/16/2016 5:30:00 PM | 408600.000 | 122.428 | 19.665 |
| 275.782 | 41714.262 | 46447.496 | 30.451 |
| 31.584 | 23.973 | 1.021 | 14.652 |
| 10/16/2016 5:45:00 PM | 409500.000 | 122.418 | 19.673 |

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|---|---|---|---|
| 275.758 | 41708.180 | 46432.805 | 30.441 |
| 31.574 | 23.976 | 1.021 | 14.652 |
| 10/16/2016 6:00:00 PM | 410400.000 | 122.412 | 19.669 |
| 275.745 | 41688.180 | 46413.719 | 30.427 |
| 31.561 | 23.988 | 1.021 | 14.649 |
| 10/16/2016 6:15:00 PM | 411300.000 | 122.409 | 19.666 |
| 275.739 | 41711.387 | 46442.742 | 30.448 |
| 31.581 | 23.974 | 1.021 | 14.653 |
| 10/16/2016 6:30:00 PM | 412200.000 | 122.419 | 19.669 |
| 275.762 | 41676.414 | 46401.047 | 30.418 |
| 31.553 | 23.994 | 1.021 | 14.652 |
| 10/16/2016 6:45:00 PM | 413100.000 | 122.428 | 19.673 |
| 275.781 | 41724.652 | 46450.707 | 30.454 |
| 31.586 | 23.967 | 1.021 | 14.654 |
| 10/16/2016 7:00:00 PM | 414000.000 | 122.437 | 19.675 |
| 275.800 | 41704.277 | 46426.563 | 30.436 |
| 31.570 | 23.978 | 1.021 | 14.657 |
| 10/16/2016 7:15:00 PM | 414900.000 | 122.471 | 19.680 |
| 275.878 | 41683.148 | 46397.969 | 30.416 |
| 31.551 | 23.991 | 1.021 | 14.651 |
| 10/16/2016 7:30:00 PM | 415800.000 | 122.487 | 19.680 |
| 275.915 | 41722.043 | 46441.262 | 30.447 |
| 31.580 | 23.968 | 1.021 | 14.656 |
| 10/16/2016 7:45:00 PM | 416700.000 | 122.514 | 19.672 |
| 275.975 | 41709.629 | 46434.684 | 30.442 |
| 31.576 | 23.975 | 1.021 | 14.665 |
| 10/16/2016 8:00:00 PM | 417600.000 | 122.568 | 19.661 |
| 276.097 | 41693.582 | 46428.168 | 30.437 |
| 31.571 | 23.985 | 1.021 | 14.652 |
| 10/16/2016 8:15:00 PM | 418500.000 | 122.611 | 19.662 |
| 276.193 | 41693.211 | 46426.551 | 30.436 |
| 31.570 | 23.985 | 1.021 | 14.650 |
| 10/16/2016 8:30:00 PM | 419400.000 | 122.645 | 19.658 |
| 276.270 | 41683.156 | 46419.910 | 30.431 |
| 31.566 | 23.991 | 1.021 | 14.661 |
| 10/16/2016 8:45:00 PM | 420300.000 | 122.716 | 19.658 |
| 276.430 | 41719.445 | 46459.371 | 30.460 |
| 31.592 | 23.970 | 1.021 | 14.659 |
| 10/16/2016 9:00:00 PM | 421200.000 | 122.728 | 19.665 |
| 276.457 | 41699.516 | 46430.641 | 30.439 |
| 31.573 | 23.981 | 1.021 | 14.661 |
| 10/16/2016 9:15:00 PM | 422100.000 | 122.772 | 19.668 |
| 276.556 | 41680.359 | 46406.906 | 30.422 |
| 31.557 | 23.992 | 1.021 | 14.658 |
| 10/16/2016 9:30:00 PM | 423000.000 | 122.816 | 19.664 |
| 276.655 | 41687.309 | 46418.164 | 30.430 |
| 31.564 | 23.988 | 1.021 | 14.662 |
| 10/16/2016 9:45:00 PM | 423900.000 | 122.850 | 19.667 |
| 276.731 | 41654.465 | 46378.250 | 30.401 |
| 31.537 | 24.007 | 1.021 | 14.667 |
| 10/16/2016 10:00:00 PM | 424800.000 | 122.895 | 19.666 |
| 276.833 | 41689.914 | 46418.668 | 30.430 |
| 31.565 | 23.987 | 1.021 | 14.672 |
| 10/16/2016 10:15:00 PM | 425700.000 | 122.931 | 19.668 |

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|---|---|---|---|
| 276.914 | 41713.539 | 46443.250 | 30.448 |
| 31.581 | 23.973 | 1.021 | 14.672 |
| 10/16/2016 10:30:00 PM | 426600.000 | 122.978 | 19.665 |
| 277.019 | 41676.895 | 46405.707 | 30.421 |
| 31.556 | 23.994 | 1.021 | 14.664 |
| 10/16/2016 10:45:00 PM | 427500.000 | 123.005 | 19.659 |
| 277.081 | 41671.406 | 46405.191 | 30.420 |
| 31.556 | 23.997 | 1.021 | 14.674 |
| 10/16/2016 11:00:00 PM | 428400.000 | 123.028 | 19.664 |
| 277.134 | 41671.676 | 46400.844 | 30.417 |
| 31.553 | 23.997 | 1.021 | 14.677 |
| 10/16/2016 11:15:00 PM | 429300.000 | 123.058 | 19.668 |
| 277.200 | 41684.309 | 46411.215 | 30.425 |
| 31.560 | 23.990 | 1.021 | 14.677 |
| 10/16/2016 11:30:00 PM | 430200.000 | 123.063 | 19.663 |
| 277.211 | 41703.527 | 46437.344 | 30.444 |
| 31.577 | 23.979 | 1.021 | 14.682 |
| 10/16/2016 11:45:00 PM | 431100.000 | 123.089 | 19.660 |
| 277.270 | 41699.602 | 46435.559 | 30.442 |
| 31.576 | 23.981 | 1.021 | 14.678 |
| 10/17/2016 12:00:00 AM | 432000.000 | 123.102 | 19.663 |
| 277.299 | 41688.531 | 46420.223 | 30.431 |
| 31.566 | 23.987 | 1.021 | 14.680 |
| 10/17/2016 12:15:00 AM | 432900.000 | 123.109 | 19.668 |
| 277.316 | 41668.672 | 46393.641 | 30.412 |
| 31.548 | 23.999 | 1.021 | 14.676 |
| 10/17/2016 12:30:00 AM | 433800.000 | 123.101 | 19.676 |
| 277.297 | 41693.199 | 46412.691 | 30.426 |
| 31.561 | 23.985 | 1.021 | 14.687 |
| 10/17/2016 12:45:00 AM | 434700.000 | 123.087 | 19.679 |
| 277.266 | 41709.984 | 46428.707 | 30.438 |
| 31.572 | 23.975 | 1.021 | 14.689 |
| 10/17/2016 1:00:00 AM | 435600.000 | 123.080 | 19.671 |
| 277.250 | 41701.668 | 46427.180 | 30.437 |
| 31.570 | 23.980 | 1.021 | 14.700 |
| 10/17/2016 1:15:00 AM | 436500.000 | 123.095 | 19.664 |
| 277.283 | 41671.746 | 46401.180 | 30.417 |
| 31.553 | 23.997 | 1.021 | 14.699 |
| 10/17/2016 1:30:00 AM | 437400.000 | 123.046 | 19.664 |
| 277.173 | 41668.305 | 46396.918 | 30.414 |
| 31.550 | 23.999 | 1.021 | 14.701 |
| 10/17/2016 1:45:00 AM | 438300.000 | 123.024 | 19.668 |
| 277.123 | 41671.598 | 46396.633 | 30.414 |
| 31.550 | 23.997 | 1.021 | 14.700 |
| 10/17/2016 2:00:00 AM | 439200.000 | 122.987 | 19.674 |
| 277.041 | 41666.074 | 46384.379 | 30.406 |
| 31.541 | 24.000 | 1.021 | 14.707 |
| 10/17/2016 2:15:00 AM | 440100.000 | 122.970 | 19.679 |
| 277.003 | 41675.402 | 46389.707 | 30.410 |
| 31.545 | 23.995 | 1.021 | 14.703 |
| 10/17/2016 2:30:00 AM | 441000.000 | 122.927 | 19.679 |
| 276.905 | 41661.266 | 46373.883 | 30.398 |
| 31.534 | 24.003 | 1.021 | 14.709 |
| 10/17/2016 2:45:00 AM | 441900.000 | 122.907 | 19.677 |

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| 276.859 | 41726.371 | 46448.320 | 30.452 |
| 31.585 | 23.966 | 1.021 | 14.707 |
| 10/17/2016 3:00:00 AM | 442800.000 | 122.872 | 19.671 |
| 276.782 | 41682.660 | 46405.680 | 30.421 |
| 31.556 | 23.991 | 1.021 | 14.709 |
| 10/17/2016 3:15:00 AM | 443700.000 | 122.839 | 19.666 |
| 276.707 | 41676.781 | 46404.813 | 30.420 |
| 31.555 | 23.994 | 1.021 | 14.705 |
| 10/17/2016 3:30:00 AM | 444600.000 | 122.807 | 19.664 |
| 276.635 | 41693.949 | 46425.473 | 30.435 |
| 31.569 | 23.984 | 1.021 | 14.710 |
| 10/17/2016 3:45:00 AM | 445500.000 | 122.774 | 19.668 |
| 276.561 | 41710.559 | 46439.582 | 30.446 |
| 31.579 | 23.975 | 1.021 | 14.709 |
| 10/17/2016 4:00:00 AM | 446400.000 | 122.747 | 19.670 |
| 276.500 | 41694.215 | 46420.180 | 30.432 |
| 31.566 | 23.984 | 1.021 | 14.709 |
| 10/17/2016 4:15:00 AM | 447300.000 | 122.717 | 19.668 |
| 276.432 | 41726.758 | 46457.965 | 30.459 |
| 31.591 | 23.965 | 1.021 | 14.714 |
| 10/17/2016 4:30:00 AM | 448200.000 | 122.689 | 19.675 |
| 276.369 | 41699.012 | 46420.180 | 30.432 |
| 31.566 | 23.981 | 1.021 | 14.713 |
| 10/17/2016 4:45:00 AM | 449100.000 | 122.676 | 19.666 |
| 276.340 | 41675.832 | 46403.758 | 30.419 |
| 31.555 | 23.995 | 1.021 | 14.708 |
| 10/17/2016 5:00:00 AM | 450000.000 | 122.645 | 19.677 |
| 276.269 | 41707.836 | 46427.781 | 30.437 |
| 31.571 | 23.976 | 1.021 | 14.721 |
| 10/17/2016 5:15:00 AM | 450900.000 | 122.640 | 19.669 |
| 276.259 | 41679.934 | 46405.141 | 30.421 |
| 31.555 | 23.992 | 1.021 | 14.716 |
| 10/17/2016 5:30:00 AM | 451800.000 | 122.628 | 19.667 |
| 276.232 | 41685.453 | 46413.258 | 30.426 |
| 31.561 | 23.989 | 1.021 | 14.724 |
| 10/17/2016 5:45:00 AM | 452700.000 | 122.620 | 19.665 |
| 276.213 | 41673.117 | 46401.164 | 30.417 |
| 31.553 | 23.996 | 1.021 | 14.729 |
| 10/17/2016 6:00:00 AM | 453600.000 | 122.627 | 19.665 |
| 276.229 | 41686.609 | 46416.352 | 30.429 |
| 31.563 | 23.989 | 1.021 | 14.726 |
| 10/17/2016 6:15:00 AM | 454500.000 | 122.631 | 19.671 |
| 276.237 | 41710.207 | 46436.348 | 30.443 |
| 31.577 | 23.975 | 1.021 | 14.728 |
| 10/17/2016 6:30:00 AM | 455400.000 | 122.646 | 19.672 |
| 276.272 | 41692.492 | 46415.941 | 30.429 |
| 31.563 | 23.985 | 1.021 | 14.729 |
| 10/17/2016 6:45:00 AM | 456300.000 | 122.683 | 19.671 |
| 276.355 | 41697.883 | 46423.238 | 30.434 |
| 31.568 | 23.982 | 1.021 | 14.737 |
| 10/17/2016 7:00:00 AM | 457200.000 | 122.680 | 19.671 |
| 276.348 | 41727.969 | 46456.816 | 30.458 |
| 31.591 | 23.965 | 1.021 | 14.731 |
| 10/17/2016 7:15:00 AM | 458100.000 | 122.698 | 19.673 |

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|---|---|---|---|
| 276.388 | 41684.527 | 46405.789 | 30.421 |
| 31.556 | 23.990 | 1.021 | 14.740 |
| 10/17/2016 7:30:00 AM | 459000.000 | 122.735 | 19.669 |
| 276.473 | 41693.840 | 46420.445 | 30.432 |
| 31.566 | 23.984 | 1.021 | 14.736 |
| 10/17/2016 7:45:00 AM | 459900.000 | 122.764 | 19.673 |
| 276.537 | 41698.297 | 46421.117 | 30.432 |
| 31.566 | 23.982 | 1.021 | 14.740 |
| 10/17/2016 8:00:00 AM | 460800.000 | 122.801 | 19.671 |
| 276.622 | 41721.723 | 46449.781 | 30.453 |
| 31.586 | 23.968 | 1.021 | 14.745 |
| 10/17/2016 8:15:00 AM | 461700.000 | 122.843 | 19.666 |
| 276.716 | 41679.355 | 46407.078 | 30.422 |
| 31.557 | 23.993 | 1.021 | 14.748 |
| 10/17/2016 8:30:00 AM | 462600.000 | 122.888 | 19.669 |
| 276.818 | 41705.336 | 46432.816 | 30.441 |
| 31.574 | 23.978 | 1.021 | 14.750 |
| 10/17/2016 8:45:00 AM | 463500.000 | 122.924 | 19.667 |
| 276.898 | 41690.258 | 46418.102 | 30.430 |
| 31.564 | 23.986 | 1.021 | 14.755 |
| 10/17/2016 9:00:00 AM | 464400.000 | 122.978 | 19.666 |
| 277.019 | 41668.023 | 46395.152 | 30.413 |
| 31.549 | 23.999 | 1.021 | 14.757 |
| 10/17/2016 9:15:00 AM | 465300.000 | 123.018 | 19.663 |
| 277.109 | 41693.262 | 46425.313 | 30.435 |
| 31.569 | 23.985 | 1.021 | 14.759 |
| 10/17/2016 9:30:00 AM | 466200.000 | 123.070 | 19.664 |
| 277.227 | 41675.410 | 46404.574 | 30.420 |
| 31.555 | 23.995 | 1.021 | 14.755 |
| 10/17/2016 9:45:00 AM | 467100.000 | 123.108 | 19.667 |
| 277.313 | 41697.852 | 46427.160 | 30.437 |
| 31.570 | 23.982 | 1.021 | 14.759 |
| 10/17/2016 10:00:00 AM | 468000.000 | 123.156 | 19.666 |
| 277.421 | 41686.965 | 46415.797 | 30.428 |
| 31.563 | 23.988 | 1.021 | 14.758 |
| 10/17/2016 10:15:00 AM | 468900.000 | 123.196 | 19.667 |
| 277.511 | 41692.754 | 46421.566 | 30.432 |
| 31.567 | 23.985 | 1.021 | 14.760 |
| 10/17/2016 10:30:00 AM | 469800.000 | 123.228 | 19.667 |
| 277.583 | 41692.184 | 46420.246 | 30.432 |
| 31.566 | 23.985 | 1.021 | 14.761 |
| 10/17/2016 10:45:00 AM | 470700.000 | 123.261 | 19.665 |
| 277.657 | 41666.313 | 46393.320 | 30.412 |
| 31.547 | 24.000 | 1.021 | 14.766 |
| 10/17/2016 11:00:00 AM | 471600.000 | 123.301 | 19.665 |
| 277.748 | 41699.371 | 46430.313 | 30.439 |
| 31.573 | 23.981 | 1.021 | 14.757 |
| 10/17/2016 11:15:00 AM | 472500.000 | 123.318 | 19.668 |
| 277.785 | 41686.383 | 46413.012 | 30.426 |
| 31.561 | 23.989 | 1.021 | 14.766 |
| 10/17/2016 11:30:00 AM | 473400.000 | 123.328 | 19.667 |
| 277.809 | 41694.414 | 46422.984 | 30.433 |
| 31.568 | 23.984 | 1.021 | 14.767 |
| 10/17/2016 11:45:00 AM | 474300.000 | 123.342 | 19.671 |

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|---|---|---|---|
| 277.839 | 41699.621 | 46424.902 | 30.435 |
| 31.569 | 23.981 | 1.021 | 14.757 |
| 10/17/2016 12:00:00 PM | 475200.000 | 123.342 | 19.669 |
| 277.839 | 41660.410 | 46383.402 | 30.405 |
| 31.541 | 24.004 | 1.021 | 14.766 |
| 10/17/2016 12:15:00 PM | 476100.000 | 123.342 | 19.675 |
| 277.839 | 41706.523 | 46428.813 | 30.438 |
| 31.572 | 23.977 | 1.021 | 14.760 |
| 10/17/2016 12:30:00 PM | 477000.000 | 123.344 | 19.674 |
| 277.843 | 41706.344 | 46429.211 | 30.438 |
| 31.572 | 23.977 | 1.021 | 14.761 |
| 10/17/2016 12:45:00 PM | 477900.000 | 123.318 | 19.671 |
| 277.787 | 41704.414 | 46430.238 | 30.439 |
| 31.573 | 23.978 | 1.021 | 14.765 |
| 10/17/2016 1:00:00 PM | 478800.000 | 123.308 | 19.672 |
| 277.763 | 41695.715 | 46419.359 | 30.431 |
| 31.565 | 23.983 | 1.021 | 14.761 |
| 10/17/2016 1:15:00 PM | 479700.000 | 123.274 | 19.673 |
| 277.686 | 41672.676 | 46393.188 | 30.412 |
| 31.547 | 23.997 | 1.021 | 14.760 |
| 10/17/2016 1:30:00 PM | 480600.000 | 123.252 | 19.670 |
| 277.637 | 41725.805 | 46454.930 | 30.457 |
| 31.589 | 23.966 | 1.021 | 14.755 |
| 10/17/2016 1:45:00 PM | 481500.000 | 123.209 | 19.672 |
| 277.540 | 41722.063 | 46448.781 | 30.453 |
| 31.585 | 23.968 | 1.021 | 14.753 |
| 10/17/2016 2:00:00 PM | 482400.000 | 123.167 | 19.673 |
| 277.446 | 41672.305 | 46392.527 | 30.411 |
| 31.547 | 23.997 | 1.021 | 14.751 |
| 10/17/2016 2:15:00 PM | 483300.000 | 123.118 | 19.676 |
| 277.334 | 41692.543 | 46412.301 | 30.426 |
| 31.560 | 23.985 | 1.021 | 14.756 |
| 10/17/2016 2:30:00 PM | 484200.000 | 123.081 | 19.677 |
| 277.253 | 41703.910 | 46423.926 | 30.435 |
| 31.568 | 23.979 | 1.021 | 14.755 |
| 10/17/2016 2:45:00 PM | 485100.000 | 123.022 | 19.674 |
| 277.119 | 41666.648 | 46384.855 | 30.406 |
| 31.542 | 24.000 | 1.021 | 14.756 |
| 10/17/2016 3:00:00 PM | 486000.000 | 122.987 | 19.674 |
| 277.039 | 41730.250 | 46455.742 | 30.458 |
| 31.590 | 23.963 | 1.021 | 14.748 |
| 10/17/2016 3:15:00 PM | 486900.000 | 122.937 | 19.672 |
| 276.928 | 41654.672 | 46373.910 | 30.398 |
| 31.534 | 24.007 | 1.021 | 14.750 |
| 10/17/2016 3:30:00 PM | 487800.000 | 122.879 | 19.675 |
| 276.796 | 41704.254 | 46426.625 | 30.436 |
| 31.570 | 23.978 | 1.021 | 14.744 |
| 10/17/2016 3:45:00 PM | 488700.000 | 122.820 | 19.675 |
| 276.663 | 41666.574 | 46384.590 | 30.406 |
| 31.542 | 24.000 | 1.021 | 14.754 |
| 10/17/2016 4:00:00 PM | 489600.000 | 122.778 | 19.671 |
| 276.569 | 41696.234 | 46421.563 | 30.433 |
| 31.567 | 23.983 | 1.021 | 14.747 |
| 10/17/2016 4:15:00 PM | 490500.000 | 122.717 | 19.674 |

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|---|---|---|---|
| 276.432 | 41702.016 | 46424.652 | 30.435 |
| 31.569 | 23.980 | 1.021 | 14.755 |
| 10/17/2016 4:30:00 PM | 491400.000 | 122.670 | 19.671 |
| 276.325 | 41700.969 | 46426.586 | 30.436 |
| 31.570 | 23.980 | 1.021 | 14.747 |
| 10/17/2016 4:45:00 PM | 492300.000 | 122.629 | 19.672 |
| 276.233 | 41726.500 | 46453.633 | 30.456 |
| 31.588 | 23.966 | 1.021 | 14.747 |
| 10/17/2016 5:00:00 PM | 493200.000 | 122.581 | 19.677 |
| 276.125 | 41714.953 | 46435.609 | 30.443 |
| 31.576 | 23.972 | 1.021 | 14.746 |
| 10/17/2016 5:15:00 PM | 494100.000 | 122.546 | 19.674 |
| 276.047 | 41686.746 | 46407.820 | 30.423 |
| 31.557 | 23.988 | 1.021 | 14.747 |
| 10/17/2016 5:30:00 PM | 495000.000 | 122.508 | 19.678 |
| 275.962 | 41687.820 | 46404.809 | 30.421 |
| 31.555 | 23.988 | 1.021 | 14.742 |
| 10/17/2016 5:45:00 PM | 495900.000 | 122.474 | 19.676 |
| 275.884 | 41698.043 | 46417.996 | 30.430 |
| 31.564 | 23.982 | 1.021 | 14.744 |
| 10/17/2016 6:00:00 PM | 496800.000 | 122.450 | 19.670 |
| 275.831 | 41692.633 | 46418.070 | 30.430 |
| 31.564 | 23.985 | 1.021 | 14.743 |
| 10/17/2016 6:15:00 PM | 497700.000 | 122.432 | 19.676 |
| 275.789 | 41661.992 | 46378.551 | 30.401 |
| 31.537 | 24.003 | 1.021 | 14.746 |
| 10/17/2016 6:30:00 PM | 498600.000 | 122.416 | 19.673 |
| 275.755 | 41672.758 | 46393.281 | 30.412 |
| 31.547 | 23.996 | 1.021 | 14.742 |
| 10/17/2016 6:45:00 PM | 499500.000 | 122.411 | 19.672 |
| 275.743 | 41688.527 | 46411.703 | 30.425 |
| 31.560 | 23.987 | 1.021 | 14.744 |
| 10/17/2016 7:00:00 PM | 500400.000 | 122.408 | 19.671 |
| 275.735 | 41677.344 | 46399.938 | 30.417 |
| 31.552 | 23.994 | 1.021 | 14.742 |
| 10/17/2016 7:15:00 PM | 501300.000 | 122.410 | 19.672 |
| 275.740 | 41669.109 | 46389.984 | 30.410 |
| 31.545 | 23.999 | 1.021 | 14.747 |
| 10/17/2016 7:30:00 PM | 502200.000 | 122.441 | 19.676 |
| 275.811 | 41705.543 | 46426.691 | 30.437 |
| 31.570 | 23.978 | 1.021 | 14.750 |
| 10/17/2016 7:45:00 PM | 503100.000 | 122.421 | 19.672 |
| 275.766 | 41688.242 | 46411.551 | 30.425 |
| 31.560 | 23.988 | 1.021 | 14.753 |
| 10/17/2016 8:00:00 PM | 504000.000 | 122.439 | 19.677 |
| 275.805 | 41680.199 | 46397.531 | 30.415 |
| 31.550 | 23.992 | 1.021 | 14.756 |
| 10/17/2016 8:15:00 PM | 504900.000 | 122.466 | 19.685 |
| 275.867 | 41691.699 | 46402.684 | 30.419 |
| 31.554 | 23.986 | 1.021 | 14.755 |
| 10/17/2016 8:30:00 PM | 505800.000 | 122.499 | 19.682 |
| 275.941 | 41697.934 | 46411.941 | 30.426 |
| 31.560 | 23.982 | 1.021 | 14.749 |
| 10/17/2016 8:45:00 PM | 506700.000 | 122.522 | 19.669 |

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| 275.992 | 41692.121 | 46418.195 | 30.430 |
| 31.564 | 23.985 | 1.021 | 14.762 |
| 10/17/2016 9:00:00 PM | 507600.000 | 122.563 | 19.668 |
| 276.086 | 41688.551 | 46415.168 | 30.428 |
| 31.562 | 23.987 | 1.021 | 14.761 |
| 10/17/2016 9:15:00 PM | 508500.000 | 122.597 | 19.675 |
| 276.162 | 41679.406 | 46398.965 | 30.416 |
| 31.551 | 23.993 | 1.021 | 14.761 |
| 10/17/2016 9:30:00 PM | 509400.000 | 122.635 | 19.681 |
| 276.248 | 41678.984 | 46392.137 | 30.412 |
| 31.547 | 23.993 | 1.021 | 14.764 |
| 10/17/2016 9:45:00 PM | 510300.000 | 122.685 | 19.669 |
| 276.359 | 41712.086 | 46441.191 | 30.447 |
| 31.580 | 23.974 | 1.021 | 14.758 |
| 10/17/2016 10:00:00 PM | 511200.000 | 122.728 | 19.662 |
| 276.457 | 41715.727 | 46452.227 | 30.455 |
| 31.588 | 23.972 | 1.021 | 14.763 |
| 10/17/2016 10:15:00 PM | 512100.000 | 122.768 | 19.662 |
| 276.548 | 41685.164 | 46417.844 | 30.430 |
| 31.564 | 23.989 | 1.021 | 14.766 |
| 10/17/2016 10:30:00 PM | 513000.000 | 122.812 | 19.664 |
| 276.646 | 41731.527 | 46467.488 | 30.466 |
| 31.598 | 23.963 | 1.021 | 14.766 |
| 10/17/2016 10:45:00 PM | 513900.000 | 122.852 | 19.681 |
| 276.737 | 41737.566 | 46457.262 | 30.459 |
| 31.591 | 23.959 | 1.021 | 14.767 |
| 10/17/2016 11:00:00 PM | 514800.000 | 122.892 | 19.674 |
| 276.826 | 41688.094 | 46409.246 | 30.424 |
| 31.558 | 23.988 | 1.021 | 14.769 |
| 10/17/2016 11:15:00 PM | 515700.000 | 122.932 | 19.663 |
| 276.917 | 41696.785 | 46429.234 | 30.438 |
| 31.572 | 23.983 | 1.021 | 14.773 |
| 10/17/2016 11:30:00 PM | 516600.000 | 122.954 | 19.659 |
| 276.967 | 41677.551 | 46412.207 | 30.425 |
| 31.560 | 23.994 | 1.021 | 14.775 |
| 10/17/2016 11:45:00 PM | 517500.000 | 122.994 | 19.653 |
| 277.056 | 41648.723 | 46386.289 | 30.406 |
| 31.543 | 24.010 | 1.021 | 14.776 |
| 10/18/2016 12:00:00 AM | 518400.000 | 123.015 | 19.665 |
| 277.103 | 41687.965 | 46417.695 | 30.430 |
| 31.564 | 23.988 | 1.021 | 14.778 |
| 10/18/2016 12:15:00 AM | 519300.000 | 123.034 | 19.675 |
| 277.147 | 41703.988 | 46426.156 | 30.436 |
| 31.570 | 23.979 | 1.021 | 14.780 |
| 10/18/2016 12:30:00 AM | 520200.000 | 123.052 | 19.677 |
| 277.187 | 41714.520 | 46435.563 | 30.443 |
| 31.576 | 23.972 | 1.021 | 14.782 |
| 10/18/2016 12:45:00 AM | 521100.000 | 123.072 | 19.675 |
| 277.232 | 41704.250 | 46426.109 | 30.436 |
| 31.570 | 23.978 | 1.021 | 14.780 |
| 10/18/2016 1:00:00 AM | 522000.000 | 123.076 | 19.671 |
| 277.240 | 41702.391 | 46428.508 | 30.438 |
| 31.571 | 23.979 | 1.021 | 14.784 |
| 10/18/2016 1:15:00 AM | 522900.000 | 123.090 | 19.665 |

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| 277.271 | 41687.516 | 46417.359 | 30.429 |
| 31.564 | 23.988 | 1.021 | 14.780 |
| 10/18/2016 1:30:00 AM | 523800.000 | 123.080 | 19.667 |
| 277.251 | 41688.809 | 46416.992 | 30.429 |
| 31.564 | 23.987 | 1.021 | 14.786 |
| 10/18/2016 1:45:00 AM | 524700.000 | 123.081 | 19.676 |
| 277.253 | 41690.676 | 46409.621 | 30.424 |
| 31.559 | 23.986 | 1.021 | 14.785 |
| 10/18/2016 2:00:00 AM | 525600.000 | 123.071 | 19.676 |
| 277.230 | 41707.563 | 46428.594 | 30.438 |
| 31.571 | 23.976 | 1.021 | 14.784 |
| 10/18/2016 2:15:00 AM | 526500.000 | 123.061 | 19.673 |
| 277.208 | 41701.949 | 46425.777 | 30.436 |
| 31.570 | 23.980 | 1.021 | 14.784 |
| 10/18/2016 2:30:00 AM | 527400.000 | 123.049 | 19.672 |
| 277.180 | 41694.191 | 46418.008 | 30.430 |
| 31.564 | 23.984 | 1.021 | 14.787 |
| 10/18/2016 2:45:00 AM | 528300.000 | 123.055 | 19.664 |
| 277.194 | 41669.582 | 46398.176 | 30.415 |
| 31.551 | 23.998 | 1.021 | 14.788 |
| 10/18/2016 3:00:00 AM | 529200.000 | 123.015 | 19.666 |
| 277.103 | 41678.129 | 46405.801 | 30.421 |
| 31.556 | 23.993 | 1.021 | 14.787 |
| 10/18/2016 3:15:00 AM | 530100.000 | 122.986 | 19.662 |
| 277.039 | 41669.891 | 46400.238 | 30.417 |
| 31.552 | 23.998 | 1.021 | 14.781 |
| 10/18/2016 3:30:00 AM | 531000.000 | 122.957 | 19.661 |
| 276.972 | 41697.652 | 46432.867 | 30.440 |
| 31.574 | 23.982 | 1.021 | 14.784 |
| 10/18/2016 3:45:00 AM | 531900.000 | 122.927 | 19.654 |
| 276.906 | 41670.465 | 46409.555 | 30.423 |
| 31.559 | 23.998 | 1.021 | 14.785 |
| 10/18/2016 4:00:00 AM | 532800.000 | 122.913 | 19.651 |
| 276.874 | 41681.773 | 46425.074 | 30.434 |
| 31.569 | 23.991 | 1.021 | 14.781 |
| 10/18/2016 4:15:00 AM | 533700.000 | 122.888 | 19.654 |
| 276.816 | 41669.184 | 46407.789 | 30.422 |
| 31.557 | 23.999 | 1.021 | 14.785 |
| 10/18/2016 4:30:00 AM | 534600.000 | 122.858 | 19.660 |
| 276.750 | 41683.719 | 46418.117 | 30.430 |
| 31.564 | 23.990 | 1.021 | 14.785 |
| 10/18/2016 4:45:00 AM | 535500.000 | 122.828 | 19.663 |
| 276.683 | 41682.016 | 46413.223 | 30.426 |
| 31.561 | 23.991 | 1.021 | 14.786 |
| 10/18/2016 5:00:00 AM | 536400.000 | 122.803 | 19.659 |
| 276.626 | 41682.523 | 46418.168 | 30.430 |
| 31.564 | 23.991 | 1.021 | 14.786 |
| 10/18/2016 5:15:00 AM | 537300.000 | 122.790 | 19.657 |
| 276.597 | 41686.105 | 46423.715 | 30.434 |
| 31.568 | 23.989 | 1.021 | 14.790 |
| 10/18/2016 5:30:00 AM | 538200.000 | 122.773 | 19.655 |
| 276.557 | 41708.223 | 46450.578 | 30.453 |
| 31.586 | 23.976 | 1.021 | 14.789 |
| 10/18/2016 5:45:00 AM | 539100.000 | 122.755 | 19.659 |

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| 276.517 | 41681.648 | 46417.027 | 30.429 |
| 31.564 | 23.991 | 1.021 | 14.790 |
| 10/18/2016 6:00:00 AM | 540000.000 | 122.739 | 19.659 |
| 276.482 | 41691.637 | 46428.238 | 30.437 |
| 31.571 | 23.986 | 1.021 | 14.794 |
| 10/18/2016 6:15:00 AM | 540900.000 | 122.736 | 19.653 |
| 276.475 | 41705.563 | 46449.168 | 30.452 |
| 31.585 | 23.978 | 1.021 | 14.795 |
| 10/18/2016 6:30:00 AM | 541800.000 | 122.739 | 19.656 |
| 276.482 | 41672.621 | 46410.074 | 30.424 |
| 31.559 | 23.997 | 1.021 | 14.799 |
| 10/18/2016 6:45:00 AM | 542700.000 | 122.733 | 19.658 |
| 276.468 | 41662.207 | 46396.324 | 30.414 |
| 31.550 | 24.003 | 1.021 | 14.800 |
| 10/18/2016 7:00:00 AM | 543600.000 | 122.738 | 19.654 |
| 276.479 | 41692.074 | 46433.801 | 30.441 |
| 31.575 | 23.985 | 1.021 | 14.802 |
| 10/18/2016 7:15:00 AM | 544500.000 | 122.741 | 19.656 |
| 276.486 | 41636.906 | 46369.863 | 30.394 |
| 31.532 | 24.017 | 1.021 | 14.804 |
| 10/18/2016 7:30:00 AM | 545400.000 | 122.760 | 19.660 |
| 276.528 | 41700.035 | 46436.289 | 30.443 |
| 31.577 | 23.981 | 1.021 | 14.801 |
| 10/18/2016 7:45:00 AM | 546300.000 | 122.780 | 19.672 |
| 276.574 | 41705.477 | 46430.059 | 30.439 |
| 31.572 | 23.978 | 1.021 | 14.806 |
| 10/18/2016 8:00:00 AM | 547200.000 | 122.797 | 19.678 |
| 276.612 | 41716.023 | 46436.633 | 30.444 |
| 31.577 | 23.972 | 1.021 | 14.806 |
| 10/18/2016 8:15:00 AM | 548100.000 | 122.827 | 19.677 |
| 276.679 | 41692.105 | 46410.691 | 30.425 |
| 31.559 | 23.985 | 1.021 | 14.815 |
| 10/18/2016 8:30:00 AM | 549000.000 | 122.860 | 19.662 |
| 276.754 | 41682.449 | 46415.168 | 30.428 |
| 31.562 | 23.991 | 1.021 | 14.820 |
| 10/18/2016 8:45:00 AM | 549900.000 | 122.905 | 19.657 |
| 276.856 | 41693.570 | 46431.676 | 30.439 |
| 31.574 | 23.985 | 1.021 | 14.808 |
| 10/18/2016 9:00:00 AM | 550800.000 | 122.947 | 19.654 |
| 276.951 | 41670.457 | 46409.383 | 30.423 |
| 31.558 | 23.998 | 1.021 | 14.809 |
| 10/18/2016 9:15:00 AM | 551700.000 | 122.968 | 19.660 |
| 276.997 | 41691.688 | 46427.172 | 30.436 |
| 31.570 | 23.986 | 1.021 | 14.822 |
| 10/18/2016 9:30:00 AM | 552600.000 | 123.015 | 19.666 |
| 277.102 | 41716.086 | 46448.313 | 30.452 |
| 31.585 | 23.972 | 1.021 | 14.820 |
| 10/18/2016 9:45:00 AM | 553500.000 | 123.048 | 19.670 |
| 277.178 | 41688.738 | 46413.578 | 30.427 |
| 31.561 | 23.987 | 1.021 | 14.822 |
| 10/18/2016 10:00:00 AM | 554400.000 | 123.092 | 19.671 |
| 277.277 | 41702.172 | 46427.836 | 30.437 |
| 31.571 | 23.980 | 1.021 | 14.819 |
| 10/18/2016 10:15:00 AM | 555300.000 | 123.137 | 19.672 |

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|---|---|---|---|
| 277.379 | 41718.934 | 46445.719 | 30.450 |
| 31.583 | 23.970 | 1.021 | 14.823 |
| 10/18/2016 10:30:00 AM | 556200.000 | 123.175 | 19.664 |
| 277.463 | 41712.875 | 46446.719 | 30.451 |
| 31.584 | 23.973 | 1.021 | 14.821 |
| 10/18/2016 10:45:00 AM | 557100.000 | 123.211 | 19.659 |
| 277.545 | 41704.551 | 46442.191 | 30.447 |
| 31.581 | 23.978 | 1.021 | 14.822 |
| 10/18/2016 11:00:00 AM | 558000.000 | 123.251 | 19.654 |
| 277.635 | 41690.340 | 46431.090 | 30.439 |
| 31.573 | 23.986 | 1.021 | 14.826 |
| 10/18/2016 11:15:00 AM | 558900.000 | 123.296 | 19.655 |
| 277.736 | 41686.402 | 46425.590 | 30.435 |
| 31.569 | 23.989 | 1.021 | 14.818 |
| 10/18/2016 11:30:00 AM | 559800.000 | 123.320 | 19.660 |
| 277.791 | 41683.293 | 46417.488 | 30.429 |
| 31.564 | 23.990 | 1.021 | 14.817 |
| 10/18/2016 11:45:00 AM | 560700.000 | 123.345 | 19.654 |
| 277.847 | 41677.004 | 46416.500 | 30.428 |
| 31.563 | 23.994 | 1.021 | 14.817 |
| 10/18/2016 12:00:00 PM | 561600.000 | 123.360 | 19.656 |
| 277.881 | 41677.848 | 46415.121 | 30.427 |
| 31.562 | 23.994 | 1.021 | 14.818 |
| 10/18/2016 12:15:00 PM | 562500.000 | 123.376 | 19.657 |
| 277.917 | 41637.406 | 46369.820 | 30.394 |
| 31.531 | 24.017 | 1.021 | 14.816 |
| 10/18/2016 12:30:00 PM | 563400.000 | 123.417 | 19.657 |
| 278.009 | 41714.156 | 46454.598 | 30.456 |
| 31.589 | 23.973 | 1.021 | 14.821 |
| 10/18/2016 12:45:00 PM | 564300.000 | 123.390 | 19.657 |
| 277.949 | 41672.965 | 46409.418 | 30.423 |
| 31.558 | 23.996 | 1.021 | 14.813 |
| 10/18/2016 1:00:00 PM | 565200.000 | 123.396 | 19.659 |
| 277.962 | 41716.035 | 46455.410 | 30.457 |
| 31.590 | 23.972 | 1.021 | 14.802 |
| 10/18/2016 1:15:00 PM | 566100.000 | 123.381 | 19.661 |
| 277.928 | 41668.230 | 46400.191 | 30.417 |
| 31.552 | 23.999 | 1.021 | 14.804 |
| 10/18/2016 1:30:00 PM | 567000.000 | 123.370 | 19.662 |
| 277.902 | 41690.277 | 46423.887 | 30.434 |
| 31.568 | 23.986 | 1.021 | 14.804 |
| 10/18/2016 1:45:00 PM | 567900.000 | 123.350 | 19.660 |
| 277.859 | 41702.375 | 46439.258 | 30.445 |
| 31.579 | 23.979 | 1.021 | 14.799 |
| 10/18/2016 2:00:00 PM | 568800.000 | 123.327 | 19.659 |
| 277.805 | 41679.488 | 46414.531 | 30.427 |
| 31.562 | 23.993 | 1.021 | 14.798 |
| 10/18/2016 2:15:00 PM | 569700.000 | 123.302 | 19.661 |
| 277.749 | 41690.617 | 46424.520 | 30.434 |
| 31.569 | 23.986 | 1.021 | 14.789 |
| 10/18/2016 2:30:00 PM | 570600.000 | 123.265 | 19.661 |
| 277.666 | 41675.848 | 46408.418 | 30.423 |
| 31.558 | 23.995 | 1.021 | 14.796 |
| 10/18/2016 2:45:00 PM | 571500.000 | 123.228 | 19.662 |

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|---|---|---|---|
| 277.583 | 41658.766 | 46388.715 | 30.408 |
| 31.544 | 24.005 | 1.021 | 14.786 |
| 10/18/2016 3:00:00 PM | 572400.000 | 123.188 | 19.664 |
| 277.493 | 41690.824 | 46421.738 | 30.432 |
| 31.567 | 23.986 | 1.021 | 14.782 |
| 10/18/2016 3:15:00 PM | 573300.000 | 123.145 | 19.661 |
| 277.397 | 41709.941 | 46445.863 | 30.450 |
| 31.583 | 23.975 | 1.021 | 14.781 |
| 10/18/2016 3:30:00 PM | 574200.000 | 123.128 | 19.663 |
| 277.358 | 41723.371 | 46459.355 | 30.460 |
| 31.592 | 23.967 | 1.021 | 14.783 |
| 10/18/2016 3:45:00 PM | 575100.000 | 123.045 | 19.670 |
| 277.172 | 41684.586 | 46409.379 | 30.424 |
| 31.558 | 23.990 | 1.021 | 14.780 |
| 10/18/2016 4:00:00 PM | 576000.000 | 123.000 | 19.667 |
| 277.069 | 41695.883 | 46424.621 | 30.435 |
| 31.569 | 23.983 | 1.021 | 14.776 |
| 10/18/2016 4:15:00 PM | 576900.000 | 122.947 | 19.663 |
| 276.949 | 41709.969 | 46444.004 | 30.449 |
| 31.582 | 23.975 | 1.021 | 14.775 |
| 10/18/2016 4:30:00 PM | 577800.000 | 122.898 | 19.666 |
| 276.839 | 41674.910 | 46402.465 | 30.418 |
| 31.554 | 23.995 | 1.021 | 14.772 |
| 10/18/2016 4:45:00 PM | 578700.000 | 122.838 | 19.666 |
| 276.706 | 41640.625 | 46364.203 | 30.390 |
| 31.528 | 24.015 | 1.021 | 14.775 |
| 10/18/2016 5:00:00 PM | 579600.000 | 122.787 | 19.663 |
| 276.590 | 41693.344 | 46425.664 | 30.435 |
| 31.569 | 23.985 | 1.021 | 14.772 |
| 10/18/2016 5:15:00 PM | 580500.000 | 122.743 | 19.665 |
| 276.490 | 41708.477 | 46440.617 | 30.446 |
| 31.580 | 23.976 | 1.021 | 14.775 |
| 10/18/2016 5:30:00 PM | 581400.000 | 122.694 | 19.665 |
| 276.381 | 41707.707 | 46439.410 | 30.445 |
| 31.579 | 23.976 | 1.021 | 14.778 |
| 10/18/2016 5:45:00 PM | 582300.000 | 122.648 | 19.669 |
| 276.277 | 41698.469 | 46425.355 | 30.435 |
| 31.569 | 23.982 | 1.021 | 14.784 |
| 10/18/2016 6:00:00 PM | 583200.000 | 122.607 | 19.674 |
| 276.184 | 41693.266 | 46414.914 | 30.428 |
| 31.562 | 23.985 | 1.021 | 14.783 |
| 10/18/2016 6:15:00 PM | 584100.000 | 122.583 | 19.669 |
| 276.129 | 41673.605 | 46397.840 | 30.415 |
| 31.551 | 23.996 | 1.021 | 14.778 |
| 10/18/2016 6:30:00 PM | 585000.000 | 122.540 | 19.668 |
| 276.033 | 41682.504 | 46408.520 | 30.423 |
| 31.558 | 23.991 | 1.021 | 14.777 |
| 10/18/2016 6:45:00 PM | 585900.000 | 122.507 | 19.667 |
| 275.959 | 41696.859 | 46426.137 | 30.436 |
| 31.570 | 23.983 | 1.021 | 14.790 |
| 10/18/2016 7:00:00 PM | 586800.000 | 122.488 | 19.672 |
| 275.915 | 41688.012 | 46410.781 | 30.425 |
| 31.559 | 23.988 | 1.021 | 14.782 |
| 10/18/2016 7:15:00 PM | 587700.000 | 122.469 | 19.675 |

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|---|---|---|---|
| 275.872 | 41699.242 | 46420.438 | 30.432 |
| 31.566 | 23.981 | 1.021 | 14.778 |
| 10/18/2016 7:30:00 PM | 588600.000 | 122.444 | 19.670 |
| 275.817 | 41697.434 | 46423.500 | 30.434 |
| 31.568 | 23.982 | 1.021 | 14.793 |
| 10/18/2016 7:45:00 PM | 589500.000 | 122.440 | 19.677 |
| 275.808 | 41697.129 | 46416.551 | 30.429 |
| 31.563 | 23.982 | 1.021 | 14.787 |
| 10/18/2016 8:00:00 PM | 590400.000 | 122.441 | 19.679 |
| 275.811 | 41667.789 | 46381.309 | 30.404 |
| 31.539 | 23.999 | 1.021 | 14.796 |
| 10/18/2016 8:15:00 PM | 591300.000 | 122.442 | 19.679 |
| 275.813 | 41673.957 | 46388.957 | 30.409 |
| 31.544 | 23.996 | 1.021 | 14.795 |
| 10/18/2016 8:30:00 PM | 592200.000 | 122.449 | 19.670 |
| 275.829 | 41686.301 | 46410.684 | 30.425 |
| 31.559 | 23.989 | 1.021 | 14.799 |
| 10/18/2016 8:45:00 PM | 593100.000 | 122.465 | 19.670 |
| 275.865 | 41712.363 | 46439.699 | 30.446 |
| 31.579 | 23.974 | 1.021 | 14.797 |
| 10/18/2016 9:00:00 PM | 594000.000 | 122.486 | 19.678 |
| 275.911 | 41722.898 | 46444.031 | 30.449 |
| 31.582 | 23.968 | 1.021 | 14.795 |
| 10/18/2016 9:15:00 PM | 594900.000 | 122.502 | 19.674 |
| 275.947 | 41701.438 | 46423.582 | 30.434 |
| 31.568 | 23.980 | 1.021 | 14.801 |
| 10/18/2016 9:30:00 PM | 595800.000 | 122.536 | 19.673 |
| 276.025 | 41687.031 | 46409.004 | 30.424 |
| 31.558 | 23.988 | 1.021 | 14.799 |
| 10/18/2016 9:45:00 PM | 596700.000 | 122.560 | 19.666 |
| 276.079 | 41710.336 | 46441.910 | 30.447 |
| 31.581 | 23.975 | 1.021 | 14.807 |
| 10/18/2016 10:00:00 PM | 597600.000 | 122.591 | 19.669 |
| 276.149 | 41697.074 | 46424.395 | 30.435 |
| 31.569 | 23.982 | 1.021 | 14.808 |
| 10/18/2016 10:15:00 PM | 598500.000 | 122.636 | 19.661 |
| 276.249 | 41691.508 | 46425.598 | 30.435 |
| 31.569 | 23.986 | 1.021 | 14.806 |
| 10/18/2016 10:30:00 PM | 599400.000 | 122.675 | 19.657 |
| 276.337 | 41687.617 | 46425.043 | 30.435 |
| 31.569 | 23.988 | 1.021 | 14.807 |
| 10/18/2016 10:45:00 PM | 600300.000 | 122.715 | 19.661 |
| 276.429 | 41686.805 | 46420.699 | 30.432 |
| 31.566 | 23.988 | 1.021 | 14.805 |
| 10/18/2016 11:00:00 PM | 601200.000 | 122.754 | 19.660 |
| 276.515 | 41677.641 | 46411.441 | 30.425 |
| 31.560 | 23.994 | 1.021 | 14.805 |
| 10/18/2016 11:15:00 PM | 602100.000 | 122.795 | 19.658 |
| 276.609 | 41660.777 | 46394.730 | 30.412 |
| 31.548 | 24.003 | 1.021 | 14.807 |
| 10/18/2016 11:30:00 PM | 603000.000 | 122.833 | 19.663 |
| 276.694 | 41706.336 | 46440.387 | 30.446 |
| 31.579 | 23.977 | 1.021 | 14.807 |
| 10/18/2016 11:45:00 PM | 603900.000 | 122.874 | 19.662 |

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| 276.786 | 41701.113 | 46435.176 | 30.442 |
| 31.576 | 23.980 | 1.021 | 14.807 |
| 10/19/2016 12:00:00 AM | 604800.000 | 122.913 | 19.656 |
| 276.872 | 41664.496 | 46400.672 | 30.417 |
| 31.552 | 24.001 | 1.021 | 14.806 |
| 10/19/2016 12:15:00 AM | 605700.000 | 122.951 | 19.660 |
| 276.959 | 41694.051 | 46429.887 | 30.438 |
| 31.572 | 23.984 | 1.021 | 14.802 |
| 10/19/2016 12:30:00 AM | 606600.000 | 122.974 | 19.662 |
| 277.010 | 41690.270 | 46423.793 | 30.434 |
| 31.568 | 23.986 | 1.021 | 14.808 |
| 10/19/2016 12:45:00 AM | 607500.000 | 123.019 | 19.660 |
| 277.112 | 41694.168 | 46429.680 | 30.438 |
| 31.572 | 23.984 | 1.021 | 14.799 |
| 10/19/2016 1:00:00 AM | 608400.000 | 123.034 | 19.666 |
| 277.146 | 41668.738 | 46395.949 | 30.414 |
| 31.549 | 23.999 | 1.021 | 14.808 |
| 10/19/2016 1:15:00 AM | 609300.000 | 123.051 | 19.669 |
| 277.185 | 41698.820 | 46426.086 | 30.436 |
| 31.570 | 23.981 | 1.021 | 14.809 |
| 10/19/2016 1:30:00 AM | 610200.000 | 123.075 | 19.675 |
| 277.239 | 41678.703 | 46398.008 | 30.416 |
| 31.551 | 23.993 | 1.021 | 14.805 |
| 10/19/2016 1:45:00 AM | 611100.000 | 123.082 | 19.672 |
| 277.253 | 41682.641 | 46405.313 | 30.421 |
| 31.556 | 23.991 | 1.021 | 14.809 |
| 10/19/2016 2:00:00 AM | 612000.000 | 123.096 | 19.660 |
| 277.286 | 41694.000 | 46429.063 | 30.438 |
| 31.572 | 23.984 | 1.021 | 14.808 |
| 10/19/2016 2:15:00 AM | 612900.000 | 123.100 | 19.659 |
| 277.295 | 41713.762 | 46452.277 | 30.455 |
| 31.588 | 23.973 | 1.021 | 14.808 |
| 10/19/2016 2:30:00 AM | 613800.000 | 123.102 | 19.661 |
| 277.300 | 41693.371 | 46428.098 | 30.437 |
| 31.571 | 23.985 | 1.021 | 14.812 |
| 10/19/2016 2:45:00 AM | 614700.000 | 123.100 | 19.661 |
| 277.296 | 41652.816 | 46382.254 | 30.403 |
| 31.540 | 24.008 | 1.021 | 14.816 |
| 10/19/2016 3:00:00 AM | 615600.000 | 123.093 | 19.668 |
| 277.280 | 41679.867 | 46405.922 | 30.421 |
| 31.556 | 23.992 | 1.021 | 14.813 |
| 10/19/2016 3:15:00 AM | 616500.000 | 123.087 | 19.661 |
| 277.264 | 41678.000 | 46410.371 | 30.424 |
| 31.559 | 23.993 | 1.021 | 14.810 |
| 10/19/2016 3:30:00 AM | 617400.000 | 123.081 | 19.655 |
| 277.251 | 41679.770 | 46418.715 | 30.430 |
| 31.565 | 23.992 | 1.021 | 14.806 |
| 10/19/2016 3:45:00 AM | 618300.000 | 123.090 | 19.651 |
| 277.273 | 41686.191 | 46429.402 | 30.437 |
| 31.572 | 23.989 | 1.021 | 14.811 |
| 10/19/2016 4:00:00 AM | 619200.000 | 123.043 | 19.646 |
| 277.166 | 41672.766 | 46419.605 | 30.430 |
| 31.565 | 23.996 | 1.021 | 14.809 |
| 10/19/2016 4:15:00 AM | 620100.000 | 123.040 | 19.645 |

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| 277.159 | 41723.609 | 46476.848 | 30.472 |
| 31.604 | 23.967 | 1.021 | 14.803 |
| 10/19/2016 4:30:00 AM | 621000.000 | 123.014 | 19.653 |
| 277.101 | 41683.402 | 46424.742 | 30.434 |
| 31.569 | 23.990 | 1.021 | 14.799 |
| 10/19/2016 4:45:00 AM | 621900.000 | 122.984 | 19.659 |
| 277.032 | 41698.148 | 46434.973 | 30.442 |
| 31.576 | 23.982 | 1.021 | 14.807 |
| 10/19/2016 5:00:00 AM | 622800.000 | 122.968 | 19.663 |
| 276.998 | 41693.855 | 46426.574 | 30.436 |
| 31.570 | 23.984 | 1.021 | 14.800 |
| 10/19/2016 5:15:00 AM | 623700.000 | 122.942 | 19.662 |
| 276.939 | 41701.734 | 46436.297 | 30.443 |
| 31.577 | 23.980 | 1.021 | 14.802 |
| 10/19/2016 5:30:00 AM | 624600.000 | 122.918 | 19.654 |
| 276.884 | 41688.328 | 46428.938 | 30.437 |
| 31.572 | 23.988 | 1.021 | 14.804 |
| 10/19/2016 5:45:00 AM | 625500.000 | 122.895 | 19.655 |
| 276.834 | 41685.582 | 46424.934 | 30.434 |
| 31.569 | 23.989 | 1.021 | 14.807 |
| 10/19/2016 6:00:00 AM | 626400.000 | 122.878 | 19.657 |
| 276.794 | 41651.238 | 46385.223 | 30.405 |
| 31.542 | 24.009 | 1.021 | 14.810 |
| 10/19/2016 6:15:00 AM | 627300.000 | 122.864 | 19.671 |
| 276.763 | 41688.031 | 46411.660 | 30.425 |
| 31.560 | 23.988 | 1.021 | 14.811 |
| 10/19/2016 6:30:00 AM | 628200.000 | 122.848 | 19.674 |
| 276.726 | 41714.023 | 46437.594 | 30.444 |
| 31.578 | 23.973 | 1.021 | 14.809 |
| 10/19/2016 6:45:00 AM | 629100.000 | 122.845 | 19.672 |
| 276.720 | 41711.996 | 46437.914 | 30.445 |
| 31.578 | 23.974 | 1.021 | 14.804 |
| 10/19/2016 7:00:00 AM | 630000.000 | 122.843 | 19.678 |
| 276.716 | 41709.773 | 46429.328 | 30.439 |
| 31.572 | 23.975 | 1.021 | 14.802 |
| 10/19/2016 7:15:00 AM | 630900.000 | 122.832 | 19.675 |
| 276.691 | 41718.527 | 46441.664 | 30.448 |
| 31.580 | 23.970 | 1.021 | 14.813 |
| 10/19/2016 7:30:00 AM | 631800.000 | 122.840 | 19.674 |
| 276.709 | 41709.531 | 46433.359 | 30.441 |
| 31.575 | 23.975 | 1.021 | 14.810 |
| 10/19/2016 7:45:00 AM | 632700.000 | 122.840 | 19.672 |
| 276.710 | 41675.063 | 46396.711 | 30.415 |
| 31.550 | 23.995 | 1.021 | 14.809 |
| 10/19/2016 8:00:00 AM | 633600.000 | 122.848 | 19.665 |
| 276.727 | 41690.684 | 46420.887 | 30.432 |
| 31.566 | 23.986 | 1.021 | 14.812 |
| 10/19/2016 8:15:00 AM | 634500.000 | 122.867 | 19.660 |
| 276.770 | 41705.109 | 46441.863 | 30.447 |
| 31.580 | 23.978 | 1.021 | 14.815 |
| 10/19/2016 8:30:00 AM | 635400.000 | 122.880 | 19.670 |
| 276.799 | 41688.164 | 46413.023 | 30.426 |
| 31.561 | 23.988 | 1.021 | 14.816 |
| 10/19/2016 8:45:00 AM | 636300.000 | 122.897 | 19.673 |

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|---|---|---|---|
| 276.838 | 41721.277 | 46446.785 | 30.451 |
| 31.584 | 23.969 | 1.021 | 14.816 |
| 10/19/2016 9:00:00 AM | 637200.000 | 122.909 | 19.673 |
| 276.866 | 41704.254 | 46428.609 | 30.438 |
| 31.571 | 23.978 | 1.021 | 14.824 |
| 10/19/2016 9:15:00 AM | 638100.000 | 122.943 | 19.666 |
| 276.942 | 41720.992 | 46453.270 | 30.456 |
| 31.588 | 23.969 | 1.021 | 14.821 |
| 10/19/2016 9:30:00 AM | 639000.000 | 122.979 | 19.655 |
| 277.022 | 41692.066 | 46431.898 | 30.439 |
| 31.574 | 23.985 | 1.021 | 14.820 |
| 10/19/2016 9:45:00 AM | 639900.000 | 123.009 | 19.655 |
| 277.089 | 41690.699 | 46431.234 | 30.439 |
| 31.573 | 23.986 | 1.021 | 14.825 |
| 10/19/2016 10:00:00 AM | 640800.000 | 123.048 | 19.656 |
| 277.177 | 41688.609 | 46427.016 | 30.436 |
| 31.570 | 23.987 | 1.021 | 14.821 |
| 10/19/2016 10:15:00 AM | 641700.000 | 123.086 | 19.655 |
| 277.263 | 41686.973 | 46426.820 | 30.436 |
| 31.570 | 23.988 | 1.021 | 14.815 |
| 10/19/2016 10:30:00 AM | 642600.000 | 123.114 | 19.666 |
| 277.327 | 41697.625 | 46427.668 | 30.437 |
| 31.571 | 23.982 | 1.021 | 14.820 |
| 10/19/2016 10:45:00 AM | 643500.000 | 123.153 | 19.660 |
| 277.413 | 41707.684 | 46444.301 | 30.449 |
| 31.582 | 23.976 | 1.021 | 14.816 |
| 10/19/2016 11:00:00 AM | 644400.000 | 123.196 | 19.658 |
| 277.512 | 41722.223 | 46462.820 | 30.462 |
| 31.595 | 23.968 | 1.021 | 14.816 |
| 10/19/2016 11:15:00 AM | 645300.000 | 123.227 | 19.659 |
| 277.582 | 41683.727 | 46419.086 | 30.430 |
| 31.565 | 23.990 | 1.021 | 14.815 |
| 10/19/2016 11:30:00 AM | 646200.000 | 123.263 | 19.663 |
| 277.661 | 41734.117 | 46470.805 | 30.468 |
| 31.600 | 23.961 | 1.021 | 14.813 |
| 10/19/2016 11:45:00 AM | 647100.000 | 123.296 | 19.660 |
| 277.736 | 41646.145 | 46375.938 | 30.399 |
| 31.536 | 24.012 | 1.021 | 14.812 |
| 10/19/2016 12:00:00 PM | 648000.000 | 123.329 | 19.658 |
| 277.812 | 41661.633 | 46395.859 | 30.413 |
| 31.549 | 24.003 | 1.021 | 14.806 |
| 10/19/2016 12:15:00 PM | 648900.000 | 123.356 | 19.660 |
| 277.871 | 41675.777 | 46409.723 | 30.423 |
| 31.559 | 23.995 | 1.021 | 14.800 |
| 10/19/2016 12:30:00 PM | 649800.000 | 123.376 | 19.656 |
| 277.918 | 41683.227 | 46421.188 | 30.432 |
| 31.566 | 23.990 | 1.021 | 14.800 |
| 10/19/2016 12:45:00 PM | 650700.000 | 123.399 | 19.655 |
| 277.969 | 41689.777 | 46430.207 | 30.438 |
| 31.573 | 23.987 | 1.021 | 14.801 |
| 10/19/2016 1:00:00 PM | 651600.000 | 123.419 | 19.654 |
| 278.012 | 41682.211 | 46422.301 | 30.432 |
| 31.567 | 23.991 | 1.021 | 14.794 |
| 10/19/2016 1:15:00 PM | 652500.000 | 123.422 | 19.654 |

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|---|---|---|---|
| 278.021 | 41681.074 | 46421.473 | 30.432 |
| 31.567 | 23.992 | 1.021 | 14.796 |
| 10/19/2016 1:30:00 PM | 653400.000 | 123.431 | 19.654 |
| 278.039 | 41694.074 | 46435.688 | 30.442 |
| 31.576 | 23.984 | 1.021 | 14.792 |
| 10/19/2016 1:45:00 PM | 654300.000 | 123.425 | 19.652 |
| 278.026 | 41698.375 | 46441.938 | 30.447 |
| 31.581 | 23.982 | 1.021 | 14.796 |
| 10/19/2016 2:00:00 PM | 655200.000 | 123.419 | 19.653 |
| 278.014 | 41687.113 | 46428.617 | 30.437 |
| 31.571 | 23.988 | 1.021 | 14.793 |
| 10/19/2016 2:15:00 PM | 656100.000 | 123.404 | 19.654 |
| 277.979 | 41663.859 | 46401.688 | 30.417 |
| 31.553 | 24.002 | 1.021 | 14.794 |
| 10/19/2016 2:30:00 PM | 657000.000 | 123.396 | 19.653 |
| 277.961 | 41696.809 | 46439.938 | 30.445 |
| 31.579 | 23.983 | 1.021 | 14.786 |
| 10/19/2016 2:45:00 PM | 657900.000 | 123.383 | 19.653 |
| 277.933 | 41672.480 | 46412.918 | 30.425 |
| 31.561 | 23.997 | 1.021 | 14.782 |
| 10/19/2016 3:00:00 PM | 658800.000 | 123.342 | 19.653 |
| 277.840 | 41710.949 | 46455.164 | 30.456 |
| 31.590 | 23.975 | 1.021 | 14.786 |
| 10/19/2016 3:15:00 PM | 659700.000 | 123.312 | 19.656 |
| 277.773 | 41701.598 | 46441.645 | 30.447 |
| 31.580 | 23.980 | 1.021 | 14.787 |
| 10/19/2016 3:30:00 PM | 660600.000 | 123.276 | 19.663 |
| 277.691 | 41692.688 | 46425.191 | 30.435 |
| 31.569 | 23.985 | 1.021 | 14.783 |
| 10/19/2016 3:45:00 PM | 661500.000 | 123.240 | 19.660 |
| 277.611 | 41667.660 | 46400.500 | 30.417 |
| 31.552 | 23.999 | 1.021 | 14.781 |
| 10/19/2016 4:00:00 PM | 662400.000 | 123.201 | 19.659 |
| 277.523 | 41719.289 | 46459.109 | 30.460 |
| 31.592 | 23.970 | 1.021 | 14.778 |
| 10/19/2016 4:15:00 PM | 663300.000 | 123.155 | 19.660 |
| 277.418 | 41686.684 | 46420.914 | 30.432 |
| 31.566 | 23.988 | 1.021 | 14.782 |
| 10/19/2016 4:30:00 PM | 664200.000 | 123.104 | 19.662 |
| 277.305 | 41678.859 | 46410.480 | 30.424 |
| 31.559 | 23.993 | 1.021 | 14.783 |
| 10/19/2016 4:45:00 PM | 665100.000 | 123.055 | 19.665 |
| 277.193 | 41694.941 | 46426.066 | 30.436 |
| 31.570 | 23.984 | 1.021 | 14.782 |
| 10/19/2016 5:00:00 PM | 666000.000 | 123.007 | 19.663 |
| 277.086 | 41682.164 | 46413.727 | 30.427 |
| 31.561 | 23.991 | 1.021 | 14.780 |
| 10/19/2016 5:15:00 PM | 666900.000 | 122.964 | 19.668 |
| 276.989 | 41709.281 | 46438.852 | 30.445 |
| 31.578 | 23.975 | 1.021 | 14.778 |
| 10/19/2016 5:30:00 PM | 667800.000 | 122.907 | 19.661 |
| 276.860 | 41693.000 | 46427.598 | 30.437 |
| 31.571 | 23.985 | 1.021 | 14.777 |
| 10/19/2016 5:45:00 PM | 668700.000 | 122.859 | 19.666 |

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|---|---|---|---|
| 276.752 | 41685.520 | 46414.543 | 30.427 |
| 31.562 | 23.989 | 1.021 | 14.778 |
| 10/19/2016 6:00:00 PM | 669600.000 | 122.807 | 19.667 |
| 276.636 | 41704.621 | 46434.004 | 30.442 |
| 31.575 | 23.978 | 1.021 | 14.779 |
| 10/19/2016 6:15:00 PM | 670500.000 | 122.768 | 19.665 |
| 276.547 | 41688.750 | 46419.090 | 30.431 |
| 31.565 | 23.987 | 1.021 | 14.778 |
| 10/19/2016 6:30:00 PM | 671400.000 | 122.725 | 19.675 |
| 276.449 | 41709.559 | 46432.285 | 30.441 |
| 31.574 | 23.975 | 1.021 | 14.774 |
| 10/19/2016 6:45:00 PM | 672300.000 | 122.677 | 19.677 |
| 276.343 | 41696.266 | 46415.418 | 30.428 |
| 31.562 | 23.983 | 1.021 | 14.779 |
| 10/19/2016 7:00:00 PM | 673200.000 | 122.643 | 19.674 |
| 276.265 | 41715.816 | 46439.840 | 30.446 |
| 31.579 | 23.972 | 1.021 | 14.776 |
| 10/19/2016 7:15:00 PM | 674100.000 | 122.609 | 19.677 |
| 276.190 | 41725.520 | 46447.371 | 30.452 |
| 31.584 | 23.966 | 1.021 | 14.775 |
| 10/19/2016 7:30:00 PM | 675000.000 | 122.572 | 19.672 |
| 276.105 | 41691.227 | 46414.449 | 30.427 |
| 31.562 | 23.986 | 1.021 | 14.782 |
| 10/19/2016 7:45:00 PM | 675900.000 | 122.550 | 19.664 |
| 276.055 | 41685.641 | 46416.395 | 30.429 |
| 31.563 | 23.989 | 1.021 | 14.782 |
| 10/19/2016 8:00:00 PM | 676800.000 | 122.529 | 19.670 |
| 276.008 | 41682.660 | 46407.051 | 30.422 |
| 31.557 | 23.991 | 1.021 | 14.783 |
| 10/19/2016 8:15:00 PM | 677700.000 | 122.503 | 19.672 |
| 275.951 | 41687.395 | 46410.441 | 30.425 |
| 31.559 | 23.988 | 1.021 | 14.787 |
| 10/19/2016 8:30:00 PM | 678600.000 | 122.498 | 19.673 |
| 275.939 | 41687.293 | 46409.633 | 30.424 |
| 31.559 | 23.988 | 1.021 | 14.785 |
| 10/19/2016 8:45:00 PM | 679500.000 | 122.499 | 19.668 |
| 275.941 | 41698.363 | 46426.352 | 30.436 |
| 31.570 | 23.982 | 1.021 | 14.781 |
| 10/19/2016 9:00:00 PM | 680400.000 | 122.488 | 19.674 |
| 275.916 | 41676.402 | 46395.797 | 30.414 |
| 31.549 | 23.994 | 1.021 | 14.786 |
| 10/19/2016 9:15:00 PM | 681300.000 | 122.492 | 19.679 |
| 275.924 | 41717.551 | 46436.965 | 30.444 |
| 31.577 | 23.971 | 1.021 | 14.787 |
| 10/19/2016 9:30:00 PM | 682200.000 | 122.493 | 19.673 |
| 275.927 | 41714.367 | 46439.602 | 30.446 |
| 31.579 | 23.973 | 1.021 | 14.792 |
| 10/19/2016 9:45:00 PM | 683100.000 | 122.505 | 19.675 |
| 275.954 | 41716.168 | 46439.121 | 30.446 |
| 31.579 | 23.972 | 1.021 | 14.792 |
| 10/19/2016 10:00:00 PM | 684000.000 | 122.527 | 19.677 |
| 276.004 | 41704.043 | 46424.414 | 30.435 |
| 31.569 | 23.978 | 1.021 | 14.790 |
| 10/19/2016 10:15:00 PM | 684900.000 | 122.544 | 19.679 |

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|---|---|---|---|
| 276.042 | 41682.707 | 46398.516 | 30.416 |
| 31.551 | 23.991 | 1.021 | 14.794 |
| 10/19/2016 10:30:00 PM | 685800.000 | 122.571 | 19.679 |
| 276.103 | 41693.109 | 46410.094 | 30.425 |
| 31.559 | 23.985 | 1.021 | 14.790 |
| 10/19/2016 10:45:00 PM | 686700.000 | 122.598 | 19.680 |
| 276.163 | 41708.023 | 46425.234 | 30.436 |
| 31.569 | 23.976 | 1.021 | 14.786 |
| 10/19/2016 11:00:00 PM | 687600.000 | 122.624 | 19.677 |
| 276.222 | 41735.617 | 46459.047 | 30.460 |
| 31.592 | 23.960 | 1.021 | 14.794 |
| 10/19/2016 11:15:00 PM | 688500.000 | 122.667 | 19.668 |
| 276.320 | 41714.953 | 46445.086 | 30.450 |
| 31.583 | 23.972 | 1.021 | 14.793 |
| 10/19/2016 11:30:00 PM | 689400.000 | 122.701 | 19.671 |
| 276.395 | 41717.113 | 46444.898 | 30.450 |
| 31.583 | 23.971 | 1.021 | 14.792 |
| 10/19/2016 11:45:00 PM | 690300.000 | 122.744 | 19.676 |
| 276.492 | 41712.313 | 46433.707 | 30.442 |
| 31.575 | 23.974 | 1.021 | 14.790 |

Report Date: 10/21/2016 8:25:07 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-3M Pre Test_2016-10-20_08-57-25-902.wsl
Create Date: 10/20/2016 8:56:20 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-3M
Device Name:
Serial Number: 395601
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 64
Used Battery(%): 28

Log Configuration
Log Name: MPWSP MW-3M Pre Test
Created By: SKuiper
Computer Name: PROBOOK8
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 8/4/2016 9:51:09 AM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 8/4/2016 10:00:00 AM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: 145.449 (ft)
Head Pressure: 64.5694 (PSI)
Temperature: 17.0644 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

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Log Notes:

| Date and Time | Note |
|---|---|
| 8/4/2016 9:51:18 AM | Sensor SN: 395601 Factory calibration has expired.: 12/15/2015 5:21:19 PM |
| 8/4/2016 9:51:18 AM | Used Battery: 28% Used Memory: 67% User Name: SKuiper |
| 8/4/2016 6:34:20 PM | Log Download - Used Battery: 28% Used Memory: 67% User Name: SKuiper |
| 8/11/2016 1:16:15 PM | Log Download - Used Battery: 28% Used Memory: 67% User Name: ELinden Interval - Start Time: 8/3/2016 7:00:00 AM Stop Time: 8/11/2016 2:15:00 PM |
| 8/18/2016 9:21:05 AM | Log Download - Used Battery: 29% Used Memory: 68% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 9:15:00 AM |
| 8/25/2016 4:07:35 PM | Log Download - Used Battery: 29% Used Memory: 68% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 5:00:00 PM |
| 9/1/2016 12:59:12 PM | Log Download - Used Battery: 29% Used Memory: 70% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 1:45:00 PM |
| 9/8/2016 11:13:11 AM | Log Download - Used Battery: 30% Used Memory: 70% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 11:00:00 AM |
| 9/15/2016 6:58:02 PM | Log Download - Used Battery: 30% Used Memory: 71% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 7:45:00 PM |
| 9/22/2016 3:14:35 PM | Log Download - Used Battery: 30% Used Memory: 71% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 4:00:00 PM |
| 10/2/2016 8:04:19 AM | Log Download - Used Battery: 31% Used Memory: 73% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/2/2016 9:00:00 AM |
| 10/7/2016 6:04:51 PM | Log Download - Used Battery: 31% Used Memory: 73% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 6:00:00 PM |
| 10/13/2016 9:44:09 AM | Log Download - Used Battery: 31% Used Memory: 75% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 9:30:00 AM |
| 10/20/2016 8:55:55 AM | Log Download - Used Battery: 32% Used Memory: 75% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 8:45:00 AM |

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Log Data:
Record Count: 715
Sensors: 1
1 - 395601: PCTD 100 PSIG (70m/231ft)
Time Zone: Pacific Daylight Time

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft |
| | Elapsed Time | SN#: 395601 | SN#: 395601 | SN#: 395601 | SN#: 395601 | SN#: 395601 | SN#: 395601 |
| Date and Time | Seconds | Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) |
| Total Dissolved Solids (ppt) | | Resistivity (ohm-cm) | Water Density (g/cm3) | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/13/2016 12:00:00 AM | 7200.000 | 64.578 | 17.065 | 145.469 | 34208.238 | 40319.152 | 25.912 | 27.417 | 29.233 | 1.019 | |
| 10/13/2016 12:15:00 AM | 8100.000 | 64.557 | 17.064 | 145.422 | 34217.680 | 40330.680 | 25.920 | 27.425 | 29.225 | 1.019 | |
| 10/13/2016 12:30:00 AM | 9000.000 | 64.557 | 17.065 | 145.421 | 34202.484 | 40312.371 | 25.907 | 27.412 | 29.238 | 1.019 | |
| 10/13/2016 12:45:00 AM | 9900.000 | 64.552 | 17.065 | 145.409 | 34226.867 | 40341.191 | 25.928 | 27.432 | 29.217 | 1.019 | |
| 10/13/2016 1:00:00 AM | 10800.000 | 64.552 | 17.065 | 145.411 | 34212.488 | 40324.160 | 25.916 | 27.420 | 29.229 | 1.019 | |
| 10/13/2016 1:15:00 AM | 11700.000 | 64.543 | 17.065 | 145.390 | 34190.484 | 40297.914 | 25.897 | 27.403 | 29.248 | 1.019 | |
| 10/13/2016 1:30:00 AM | 12600.000 | 64.540 | 17.064 | 145.382 | 34203.367 | 40313.652 | 25.908 | 27.413 | 29.237 | 1.019 | |
| 10/13/2016 1:45:00 AM | 13500.000 | 64.536 | 17.065 | 145.373 | 34214.148 | 40325.957 | 25.917 | 27.422 | 29.228 | 1.019 | |
| 10/13/2016 2:00:00 AM | 14400.000 | 64.531 | 17.064 | 145.363 | 34211.336 | 40323.113 | 25.915 | 27.420 | 29.230 | 1.019 | |
| 10/13/2016 2:15:00 AM | 15300.000 | 64.530 | 17.065 | 145.360 | 34218.629 | 40331.484 | 25.921 | 27.425 | 29.224 | 1.019 | |
| 10/13/2016 2:30:00 AM | 16200.000 | 64.525 | 17.065 | 145.348 | 34202.211 | 40312.133 | 25.907 | 27.412 | 29.238 | 1.019 | |
| 10/13/2016 2:45:00 AM | 17100.000 | 64.520 | 17.064 | 145.338 | 34215.297 | 40327.781 | 25.918 | 27.423 | 29.227 | 1.019 | |
| 10/13/2016 3:00:00 AM | 18000.000 | 64.520 | 17.065 | 145.337 | 34187.934 | 40294.984 | 25.895 | 27.401 | 29.250 | 1.019 | |
| 10/13/2016 3:15:00 AM | 18900.000 | 64.517 | 17.065 | 145.330 | 34206.539 | 40317.301 | 25.911 | 27.416 | 29.234 | 1.019 | |
| 10/13/2016 3:30:00 AM | 19800.000 | 64.519 | 17.065 | 145.336 | 34193.066 | 40301.035 | 25.899 | 27.405 | 29.246 | 1.019 | |
| 10/13/2016 3:45:00 AM | 20700.000 | 64.515 | 17.065 | 145.327 | 34218.348 | 40330.992 | 25.920 | 27.425 | 29.224 | 1.019 | |
| 10/13/2016 4:00:00 AM | 21600.000 | 64.515 | 17.065 | | | | | | | | |

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|---|---|---|---|
| 145.327 | 34215.316 | 40327.184 | 25.918 |
| 27.422 | 29.227 | 1.019 | |
| 10/13/2016 4:15:00 AM | 22500.000 | 64.518 | 17.065 |
| 145.333 | 34194.555 | 40302.555 | 25.900 |
| 27.406 | 29.244 | 1.019 | |
| 10/13/2016 4:30:00 AM | 23400.000 | 64.514 | 17.065 |
| 145.324 | 34204.418 | 40314.574 | 25.909 |
| 27.414 | 29.236 | 1.019 | |
| 10/13/2016 4:45:00 AM | 24300.000 | 64.516 | 17.065 |
| 145.328 | 34207.051 | 40317.750 | 25.911 |
| 27.416 | 29.234 | 1.019 | |
| 10/13/2016 5:00:00 AM | 25200.000 | 64.519 | 17.065 |
| 145.335 | 34181.656 | 40287.820 | 25.890 |
| 27.396 | 29.255 | 1.019 | |
| 10/13/2016 5:15:00 AM | 26100.000 | 64.526 | 17.064 |
| 145.351 | 34232.250 | 40348.012 | 25.933 |
| 27.437 | 29.212 | 1.019 | |
| 10/13/2016 5:30:00 AM | 27000.000 | 64.525 | 17.065 |
| 145.348 | 34205.563 | 40315.922 | 25.910 |
| 27.415 | 29.235 | 1.019 | |
| 10/13/2016 5:45:00 AM | 27900.000 | 64.533 | 17.065 |
| 145.366 | 34208.109 | 40319.000 | 25.912 |
| 27.417 | 29.233 | 1.019 | |
| 10/13/2016 6:00:00 AM | 28800.000 | 64.535 | 17.064 |
| 145.371 | 34204.965 | 40315.695 | 25.910 |
| 27.415 | 29.236 | 1.019 | |
| 10/13/2016 6:15:00 AM | 29700.000 | 64.541 | 17.064 |
| 145.386 | 34213.395 | 40325.539 | 25.917 |
| 27.421 | 29.228 | 1.019 | |
| 10/13/2016 6:30:00 AM | 30600.000 | 64.545 | 17.064 |
| 145.395 | 34203.586 | 40313.980 | 25.908 |
| 27.414 | 29.237 | 1.019 | |
| 10/13/2016 6:45:00 AM | 31500.000 | 64.552 | 17.064 |
| 145.411 | 34178.879 | 40284.859 | 25.888 |
| 27.394 | 29.258 | 1.019 | |
| 10/13/2016 7:00:00 AM | 32400.000 | 64.559 | 17.064 |
| 145.426 | 34215.957 | 40328.559 | 25.919 |
| 27.423 | 29.226 | 1.019 | |
| 10/13/2016 7:15:00 AM | 33300.000 | 64.564 | 17.065 |
| 145.437 | 34195.266 | 40304.016 | 25.901 |
| 27.407 | 29.244 | 1.019 | |
| 10/13/2016 7:30:00 AM | 34200.000 | 64.567 | 17.064 |
| 145.443 | 34219.625 | 40333.285 | 25.922 |
| 27.427 | 29.223 | 1.019 | |
| 10/13/2016 7:45:00 AM | 35100.000 | 64.574 | 17.064 |
| 145.459 | 34202.422 | 40312.855 | 25.908 |
| 27.413 | 29.238 | 1.019 | |
| 10/13/2016 8:00:00 AM | 36000.000 | 64.579 | 17.064 |
| 145.471 | 34185.371 | 40292.441 | 25.893 |
| 27.399 | 29.252 | 1.019 | |
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| 145.479 | 34184.148 | 40290.844 | 25.892 |
| 27.398 | 29.253 | 1.019 | |
| 10/13/2016 8:30:00 AM | 37800.000 | 64.588 | 17.064 |

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| 145.492 | 34180.398 | 40286.816 | 25.889 |
| 27.395 | 29.257 | 1.019 | |
| 10/13/2016 8:45:00 AM | 38700.000 | 64.591 | 17.064 |
| 145.497 | 34191.117 | 40299.449 | 25.898 |
| 27.404 | 29.247 | 1.019 | |
| 10/13/2016 9:00:00 AM | 39600.000 | 64.594 | 17.064 |
| 145.504 | 34185.809 | 40293.273 | 25.894 |
| 27.399 | 29.252 | 1.019 | |
| 10/13/2016 9:15:00 AM | 40500.000 | 64.596 | 17.065 |
| 145.508 | 34201.535 | 40311.402 | 25.907 |
| 27.412 | 29.238 | 1.019 | |
| 10/13/2016 9:30:00 AM | 41400.000 | 64.596 | 17.064 |
| 145.509 | 34190.801 | 40299.313 | 25.898 |
| 27.404 | 29.248 | 1.019 | |
| 10/13/2016 9:45:00 AM | 42300.000 | 64.597 | 17.065 |
| 145.512 | 34192.129 | 40300.250 | 25.899 |
| 27.404 | 29.246 | 1.019 | |
| 10/13/2016 10:00:00 AM | 43200.000 | 64.600 | 17.065 |
| 145.517 | 34174.691 | 40279.766 | 25.884 |
| 27.390 | 29.261 | 1.019 | |
| 10/13/2016 10:15:00 AM | 44100.000 | 64.606 | 17.065 |
| 145.531 | 34184.449 | 40291.039 | 25.892 |
| 27.398 | 29.253 | 1.019 | |
| 10/13/2016 10:30:00 AM | 45000.000 | 64.601 | 17.064 |
| 145.520 | 34212.387 | 40324.520 | 25.916 |
| 27.421 | 29.229 | 1.019 | |
| 10/13/2016 10:45:00 AM | 45900.000 | 64.615 | 17.064 |
| 145.552 | 34210.531 | 40322.492 | 25.914 |
| 27.419 | 29.231 | 1.019 | |
| 10/13/2016 11:00:00 AM | 46800.000 | 64.597 | 17.064 |
| 145.512 | 34192.359 | 40300.836 | 25.899 |
| 27.405 | 29.246 | 1.019 | |
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| 145.509 | 34191.996 | 40300.320 | 25.899 |
| 27.404 | 29.247 | 1.019 | |
| 10/13/2016 11:30:00 AM | 48600.000 | 64.596 | 17.065 |
| 145.509 | 34196.434 | 40305.391 | 25.902 |
| 27.408 | 29.243 | 1.019 | |
| 10/13/2016 11:45:00 AM | 49500.000 | 64.597 | 17.064 |
| 145.512 | 34183.621 | 40290.539 | 25.892 |
| 27.398 | 29.254 | 1.019 | |
| 10/13/2016 12:00:00 PM | 50400.000 | 64.593 | 17.064 |
| 145.503 | 34189.531 | 40297.504 | 25.897 |
| 27.402 | 29.249 | 1.019 | |
| 10/13/2016 12:15:00 PM | 51300.000 | 64.591 | 17.064 |
| 145.499 | 34212.578 | 40324.746 | 25.916 |
| 27.421 | 29.229 | 1.019 | |
| 10/13/2016 12:30:00 PM | 52200.000 | 64.590 | 17.064 |
| 145.495 | 34171.992 | 40277.066 | 25.882 |
| 27.388 | 29.264 | 1.019 | |
| 10/13/2016 12:45:00 PM | 53100.000 | 64.588 | 17.064 |
| 145.491 | 34204.953 | 40315.523 | 25.909 |
| 27.415 | 29.236 | 1.019 | |
| 10/13/2016 1:00:00 PM | 54000.000 | 64.585 | 17.064 |

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| 145.483 | 34197.996 | 40307.559 | 25.904 |
| 27.409 | 29.241 | 1.019 | |
| 10/13/2016 1:15:00 PM | 54900.000 | 64.580 | 17.064 |
| 145.473 | 34211.609 | 40323.840 | 25.915 |
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| 145.474 | 34204.676 | 40314.879 | 25.909 |
| 27.414 | 29.236 | 1.019 | |
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| 145.471 | 34173.793 | 40279.031 | 25.883 |
| 27.390 | 29.262 | 1.019 | |
| 10/13/2016 2:00:00 PM | 57600.000 | 64.573 | 17.064 |
| 145.457 | 34196.469 | 40305.992 | 25.903 |
| 27.408 | 29.243 | 1.019 | |
| 10/13/2016 2:15:00 PM | 58500.000 | 64.567 | 17.065 |
| 145.444 | 34197.672 | 40306.852 | 25.903 |
| 27.409 | 29.242 | 1.019 | |
| 10/13/2016 2:30:00 PM | 59400.000 | 64.564 | 17.065 |
| 145.437 | 34203.355 | 40313.480 | 25.908 |
| 27.413 | 29.237 | 1.019 | |
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| 145.437 | 34179.414 | 40285.813 | 25.888 |
| 27.394 | 29.257 | 1.019 | |
| 10/13/2016 3:00:00 PM | 61200.000 | 64.563 | 17.064 |
| 145.435 | 34217.395 | 40330.254 | 25.920 |
| 27.425 | 29.225 | 1.019 | |
| 10/13/2016 3:15:00 PM | 62100.000 | 64.558 | 17.065 |
| 145.423 | 34195.078 | 40303.727 | 25.901 |
| 27.407 | 29.244 | 1.019 | |
| 10/13/2016 3:30:00 PM | 63000.000 | 64.558 | 17.064 |
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| 27.409 | 29.242 | 1.019 | |
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| 145.410 | 34197.672 | 40307.098 | 25.903 |
| 27.409 | 29.242 | 1.019 | |
| 10/13/2016 4:00:00 PM | 64800.000 | 64.552 | 17.064 |
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| 10/13/2016 4:15:00 PM | 65700.000 | 64.550 | 17.064 |
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| 27.412 | 29.238 | 1.019 | |
| 10/13/2016 4:30:00 PM | 66600.000 | 64.568 | 17.064 |
| 145.447 | 34216.844 | 40329.930 | 25.920 |
| 27.424 | 29.225 | 1.019 | |
| 10/13/2016 4:45:00 PM | 67500.000 | 64.556 | 17.064 |
| 145.419 | 34207.719 | 40319.254 | 25.912 |
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| 10/13/2016 5:00:00 PM | 68400.000 | 64.555 | 17.064 |
| 145.417 | 34207.094 | 40318.363 | 25.911 |
| 27.416 | 29.234 | 1.019 | |
| 10/13/2016 5:15:00 PM | 69300.000 | 64.558 | 17.065 |
| 145.423 | 34193.770 | 40302.098 | 25.900 |
| 27.405 | 29.245 | 1.019 | |
| 10/13/2016 5:30:00 PM | 70200.000 | 64.562 | 17.064 |

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| 145.433 | 34208.168 | 40319.547 | 25.912 |
| 27.417 | 29.233 | 1.019 | |
| 10/13/2016 5:45:00 PM | 71100.000 | 64.561 | 17.065 |
| 145.431 | 34199.688 | 40308.914 | 25.905 |
| 27.410 | 29.240 | 1.019 | |
| 10/13/2016 6:00:00 PM | 72000.000 | 64.566 | 17.065 |
| 145.441 | 34195.305 | 40303.594 | 25.901 |
| 27.406 | 29.244 | 1.019 | |
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| 145.442 | 34192.016 | 40299.871 | 25.898 |
| 27.404 | 29.247 | 1.019 | |
| 10/13/2016 6:30:00 PM | 73800.000 | 64.572 | 17.065 |
| 145.454 | 34214.363 | 40326.137 | 25.917 |
| 27.422 | 29.227 | 1.019 | |
| 10/13/2016 6:45:00 PM | 74700.000 | 64.575 | 17.064 |
| 145.462 | 34188.098 | 40295.813 | 25.895 |
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| 10/13/2016 7:00:00 PM | 75600.000 | 64.581 | 17.065 |
| 145.476 | 34222.355 | 40335.875 | 25.924 |
| 27.428 | 29.221 | 1.019 | |
| 10/13/2016 7:15:00 PM | 76500.000 | 64.586 | 17.064 |
| 145.486 | 34213.961 | 40326.207 | 25.917 |
| 27.422 | 29.228 | 1.019 | |
| 10/13/2016 7:30:00 PM | 77400.000 | 64.591 | 17.065 |
| 145.498 | 34211.164 | 40322.598 | 25.915 |
| 27.419 | 29.230 | 1.019 | |
| 10/13/2016 7:45:00 PM | 78300.000 | 64.595 | 17.065 |
| 145.506 | 34222.430 | 40335.805 | 25.924 |
| 27.428 | 29.221 | 1.019 | |
| 10/13/2016 8:00:00 PM | 79200.000 | 64.599 | 17.065 |
| 145.515 | 34201.703 | 40311.535 | 25.907 |
| 27.412 | 29.238 | 1.019 | |
| 10/13/2016 8:15:00 PM | 80100.000 | 64.605 | 17.065 |
| 145.530 | 34209.152 | 40319.824 | 25.913 |
| 27.417 | 29.232 | 1.019 | |
| 10/13/2016 8:30:00 PM | 81000.000 | 64.610 | 17.065 |
| 145.540 | 34224.840 | 40338.246 | 25.926 |
| 27.430 | 29.219 | 1.019 | |
| 10/13/2016 8:45:00 PM | 81900.000 | 64.613 | 17.065 |
| 145.547 | 34233.234 | 40347.977 | 25.933 |
| 27.437 | 29.211 | 1.019 | |
| 10/13/2016 9:00:00 PM | 82800.000 | 64.616 | 17.066 |
| 145.554 | 34226.094 | 40339.477 | 25.927 |
| 27.431 | 29.217 | 1.019 | |
| 10/13/2016 9:15:00 PM | 83700.000 | 64.620 | 17.065 |
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| 145.561 | 34231.117 | 40345.645 | 25.931 |
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| 10/13/2016 9:45:00 PM | 85500.000 | 64.622 | 17.066 |
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| 27.440 | 29.208 | 1.019 | |
| 10/13/2016 10:00:00 PM | 86400.000 | 64.630 | 17.066 |

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| 145.586 | 34232.762 | 40346.781 | 25.932 |
| 27.436 | 29.212 | 1.019 | |
| 10/13/2016 10:15:00 PM | 87300.000 | 64.627 | 17.066 |
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| 10/13/2016 10:30:00 PM | 88200.000 | 64.628 | 17.066 |
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| 27.445 | 29.202 | 1.019 | |
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| 27.453 | 29.193 | 1.019 | |
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| 27.448 | 29.199 | 1.019 | |
| 10/13/2016 11:30:00 PM | 91800.000 | 64.622 | 17.067 |
| 145.568 | 34243.094 | 40358.395 | 25.940 |
| 27.444 | 29.203 | 1.019 | |
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| 145.571 | 34246.223 | 40362.168 | 25.943 |
| 27.446 | 29.200 | 1.019 | |
| 10/14/2016 12:00:00 AM | 93600.000 | 64.618 | 17.067 |
| 145.559 | 34265.086 | 40384.234 | 25.958 |
| 27.461 | 29.184 | 1.019 | |
| 10/14/2016 12:15:00 AM | 94500.000 | 64.615 | 17.067 |
| 145.552 | 34274.879 | 40395.699 | 25.967 |
| 27.469 | 29.176 | 1.019 | |
| 10/14/2016 12:30:00 AM | 95400.000 | 64.612 | 17.067 |
| 145.545 | 34258.000 | 40375.965 | 25.953 |
| 27.456 | 29.190 | 1.019 | |
| 10/14/2016 12:45:00 AM | 96300.000 | 64.611 | 17.067 |
| 145.542 | 34262.887 | 40381.809 | 25.957 |
| 27.460 | 29.186 | 1.019 | |
| 10/14/2016 1:00:00 AM | 97200.000 | 64.608 | 17.067 |
| 145.536 | 34248.730 | 40364.477 | 25.944 |
| 27.448 | 29.198 | 1.019 | |
| 10/14/2016 1:15:00 AM | 98100.000 | 64.599 | 17.067 |
| 145.515 | 34254.125 | 40371.238 | 25.949 |
| 27.452 | 29.194 | 1.019 | |
| 10/14/2016 1:30:00 AM | 99000.000 | 64.598 | 17.067 |
| 145.514 | 34265.922 | 40384.672 | 25.959 |
| 27.462 | 29.184 | 1.019 | |
| 10/14/2016 1:45:00 AM | 99900.000 | 64.591 | 17.067 |
| 145.499 | 34268.941 | 40388.387 | 25.961 |
| 27.464 | 29.181 | 1.019 | |
| 10/14/2016 2:00:00 AM | 100800.000 | 64.592 | 17.067 |
| 145.500 | 34247.750 | 40363.566 | 25.944 |
| 27.447 | 29.199 | 1.019 | |
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| 145.494 | 34284.262 | 40406.195 | 25.974 |
| 27.476 | 29.168 | 1.019 | |
| 10/14/2016 2:30:00 AM | 102600.000 | 64.589 | 17.067 |

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| 145.494 | 34277.344 | 40398.520 | 25.969 |
| 27.471 | 29.174 | 1.019 | |
| 10/14/2016 2:45:00 AM | 103500.000 | 64.585 | 17.068 |
| 145.484 | 34258.879 | 40376.281 | 25.953 |
| 27.456 | 29.190 | 1.019 | |
| 10/14/2016 3:00:00 AM | 104400.000 | 64.583 | 17.067 |
| 145.479 | 34280.797 | 40402.203 | 25.971 |
| 27.473 | 29.171 | 1.019 | |
| 10/14/2016 3:15:00 AM | 105300.000 | 64.573 | 17.068 |
| 145.458 | 34265.570 | 40384.164 | 25.958 |
| 27.461 | 29.184 | 1.019 | |
| 10/14/2016 3:30:00 AM | 106200.000 | 64.573 | 17.067 |
| 145.456 | 34252.523 | 40369.191 | 25.948 |
| 27.451 | 29.195 | 1.019 | |
| 10/14/2016 3:45:00 AM | 107100.000 | 64.567 | 17.067 |
| 145.443 | 34261.246 | 40379.391 | 25.955 |
| 27.458 | 29.187 | 1.019 | |
| 10/14/2016 4:00:00 AM | 108000.000 | 64.572 | 17.067 |
| 145.454 | 34285.387 | 40407.680 | 25.975 |
| 27.477 | 29.167 | 1.019 | |
| 10/14/2016 4:15:00 AM | 108900.000 | 64.576 | 17.068 |
| 145.464 | 34285.070 | 40406.836 | 25.975 |
| 27.477 | 29.167 | 1.019 | |
| 10/14/2016 4:30:00 AM | 109800.000 | 64.576 | 17.067 |
| 145.464 | 34281.949 | 40403.789 | 25.972 |
| 27.475 | 29.170 | 1.019 | |
| 10/14/2016 4:45:00 AM | 110700.000 | 64.575 | 17.067 |
| 145.461 | 34275.500 | 40396.117 | 25.967 |
| 27.469 | 29.175 | 1.019 | |
| 10/14/2016 5:00:00 AM | 111600.000 | 64.577 | 17.067 |
| 145.467 | 34267.180 | 40386.223 | 25.960 |
| 27.463 | 29.182 | 1.019 | |
| 10/14/2016 5:15:00 AM | 112500.000 | 64.582 | 17.067 |
| 145.478 | 34297.176 | 40421.734 | 25.985 |
| 27.487 | 29.157 | 1.019 | |
| 10/14/2016 5:30:00 AM | 113400.000 | 64.582 | 17.068 |
| 145.477 | 34267.523 | 40386.156 | 25.960 |
| 27.463 | 29.182 | 1.019 | |
| 10/14/2016 5:45:00 AM | 114300.000 | 64.599 | 17.068 |
| 145.517 | 34275.500 | 40395.633 | 25.967 |
| 27.469 | 29.175 | 1.019 | |
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| 145.495 | 34292.285 | 40415.172 | 25.981 |
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| 145.495 | 34245.277 | 40360.172 | 25.941 |
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| 145.525 | 34279.223 | 40399.539 | 25.969 |
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| 145.546 | 34278.008 | 40398.348 | 25.969 |
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| 10/14/2016 7:30:00 AM | 120600.000 | 64.620 | 17.068 |
| 145.564 | 34265.633 | 40383.688 | 25.958 |
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| 27.484 | 29.159 | 1.019 | |
| 10/14/2016 8:00:00 AM | 122400.000 | 64.635 | 17.068 |
| 145.596 | 34269.629 | 40388.473 | 25.962 |
| 27.464 | 29.180 | 1.019 | |
| 10/14/2016 8:15:00 AM | 123300.000 | 64.637 | 17.068 |
| 145.601 | 34292.082 | 40415.016 | 25.980 |
| 27.482 | 29.161 | 1.019 | |
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| 145.622 | 34290.336 | 40412.723 | 25.979 |
| 27.481 | 29.163 | 1.019 | |
| 10/14/2016 8:45:00 AM | 125100.000 | 64.654 | 17.069 |
| 145.639 | 34281.566 | 40401.816 | 25.971 |
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| 145.677 | 34293.301 | 40416.133 | 25.981 |
| 27.483 | 29.160 | 1.019 | |
| 10/14/2016 9:30:00 AM | 127800.000 | 64.675 | 17.069 |
| 145.687 | 34287.555 | 40409.035 | 25.976 |
| 27.478 | 29.165 | 1.019 | |
| 10/14/2016 9:45:00 AM | 128700.000 | 64.679 | 17.068 |
| 145.697 | 34300.668 | 40425.219 | 25.988 |
| 27.489 | 29.154 | 1.019 | |
| 10/14/2016 10:00:00 AM | 129600.000 | 64.690 | 17.069 |
| 145.721 | 34283.359 | 40404.020 | 25.973 |
| 27.475 | 29.169 | 1.019 | |
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| 145.726 | 34309.645 | 40435.000 | 25.995 |
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| 145.722 | 34293.035 | 40414.855 | 25.980 |
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| 10/14/2016 11:30:00 AM | 135000.000 | 64.703 | 17.069 |

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145.721 34295.738 40418.277 25.983
27.484 29.158 1.019
10/14/2016 1:15:00 PM 141300.000 64.688 17.069
145.717 34299.063 40422.121 25.986
27.487 29.155 1.019
10/14/2016 1:30:00 PM 142200.000 64.680 17.069
145.698 34316.707 40442.992 26.000
27.501 29.140 1.019
10/14/2016 1:45:00 PM 143100.000 64.678 17.069
145.692 34305.945 40430.309 25.991
27.493 29.149 1.019
10/14/2016 2:00:00 PM 144000.000 64.673 17.070
145.681 34307.809 40431.871 25.993
27.494 29.148 1.019
10/14/2016 2:15:00 PM 144900.000 64.670 17.069
145.676 34315.063 40441.227 25.999
27.500 29.142 1.019
10/14/2016 2:30:00 PM 145800.000 64.666 17.069
145.665 34310.480 40435.574 25.995
27.496 29.146 1.019
10/14/2016 2:45:00 PM 146700.000 64.662 17.070
145.657 34306.320 40430.277 25.991
27.493 29.149 1.019
10/14/2016 3:00:00 PM 147600.000 64.654 17.069
145.640 34307.262 40431.621 25.992
27.494 29.148 1.019
10/14/2016 3:15:00 PM 148500.000 64.655 17.069
145.643 34320.188 40447.094 26.003
27.504 29.137 1.019
10/14/2016 3:30:00 PM 149400.000 64.650 17.069
145.630 34301.262 40424.871 25.987
27.489 29.153 1.019
10/14/2016 3:45:00 PM 150300.000 64.654 17.069
145.639 34319.516 40446.223 26.003
27.503 29.138 1.019
10/14/2016 4:00:00 PM 151200.000 64.643 17.069

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| 145.616 | 34297.785 | 40420.453 | 25.984 |
| 27.486 | 29.156 | 1.019 | |
| 10/14/2016 4:15:00 PM | 152100.000 | 64.647 | 17.070 |
| 145.624 | 34338.129 | 40467.766 | 26.018 |
| 27.518 | 29.122 | 1.019 | |
| 10/14/2016 4:30:00 PM | 153000.000 | 64.646 | 17.069 |
| 145.620 | 34321.082 | 40447.832 | 26.004 |
| 27.505 | 29.137 | 1.019 | |
| 10/14/2016 4:45:00 PM | 153900.000 | 64.643 | 17.070 |
| 145.614 | 34299.605 | 40422.285 | 25.986 |
| 27.487 | 29.155 | 1.019 | |
| 10/14/2016 5:00:00 PM | 154800.000 | 64.646 | 17.070 |
| 145.622 | 34330.930 | 40459.355 | 26.012 |
| 27.512 | 29.128 | 1.019 | |
| 10/14/2016 5:15:00 PM | 155700.000 | 64.643 | 17.069 |
| 145.614 | 34325.328 | 40453.074 | 26.008 |
| 27.508 | 29.133 | 1.019 | |
| 10/14/2016 5:30:00 PM | 156600.000 | 64.646 | 17.070 |
| 145.620 | 34294.246 | 40416.121 | 25.981 |
| 27.483 | 29.159 | 1.019 | |
| 10/14/2016 5:45:00 PM | 157500.000 | 64.651 | 17.070 |
| 145.632 | 34301.262 | 40424.238 | 25.987 |
| 27.488 | 29.153 | 1.019 | |
| 10/14/2016 6:00:00 PM | 158400.000 | 64.650 | 17.070 |
| 145.630 | 34322.473 | 40449.234 | 26.005 |
| 27.505 | 29.135 | 1.019 | |
| 10/14/2016 6:15:00 PM | 159300.000 | 64.652 | 17.070 |
| 145.635 | 34320.184 | 40446.535 | 26.003 |
| 27.504 | 29.137 | 1.019 | |
| 10/14/2016 6:30:00 PM | 160200.000 | 64.660 | 17.070 |
| 145.654 | 34316.879 | 40442.723 | 26.000 |
| 27.501 | 29.140 | 1.019 | |
| 10/14/2016 6:45:00 PM | 161100.000 | 64.659 | 17.070 |
| 145.651 | 34329.262 | 40457.152 | 26.010 |
| 27.511 | 29.130 | 1.019 | |
| 10/14/2016 7:00:00 PM | 162000.000 | 64.665 | 17.070 |
| 145.664 | 34329.336 | 40457.477 | 26.011 |
| 27.511 | 29.130 | 1.019 | |
| 10/14/2016 7:15:00 PM | 162900.000 | 64.665 | 17.070 |
| 145.664 | 34317.277 | 40443.027 | 26.000 |
| 27.501 | 29.140 | 1.019 | |
| 10/14/2016 7:30:00 PM | 163800.000 | 64.676 | 17.070 |
| 145.688 | 34333.941 | 40462.828 | 26.015 |
| 27.515 | 29.126 | 1.019 | |
| 10/14/2016 7:45:00 PM | 164700.000 | 64.683 | 17.070 |
| 145.704 | 34332.027 | 40460.410 | 26.013 |
| 27.513 | 29.127 | 1.019 | |
| 10/14/2016 8:00:00 PM | 165600.000 | 64.689 | 17.070 |
| 145.718 | 34323.090 | 40449.961 | 26.005 |
| 27.506 | 29.135 | 1.019 | |
| 10/14/2016 8:15:00 PM | 166500.000 | 64.691 | 17.070 |
| 145.723 | 34335.297 | 40463.777 | 26.015 |
| 27.515 | 29.125 | 1.019 | |
| 10/14/2016 8:30:00 PM | 167400.000 | 64.697 | 17.070 |

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|---|---|---|---|
| 145.737 | 34344.973 | 40475.113 | 26.023 |
| 27.523 | 29.116 | 1.019 | |
| 10/14/2016 8:45:00 PM | 168300.000 | 64.708 | 17.071 |
| 145.761 | 34325.215 | 40451.426 | 26.006 |
| 27.507 | 29.133 | 1.019 | |
| 10/14/2016 9:00:00 PM | 169200.000 | 64.719 | 17.070 |
| 145.785 | 34318.711 | 40444.398 | 26.001 |
| 27.502 | 29.139 | 1.019 | |
| 10/14/2016 9:15:00 PM | 170100.000 | 64.726 | 17.071 |
| 145.802 | 34314.090 | 40438.559 | 25.997 |
| 27.498 | 29.143 | 1.019 | |
| 10/14/2016 9:30:00 PM | 171000.000 | 64.739 | 17.070 |
| 145.831 | 34351.168 | 40482.574 | 26.029 |
| 27.528 | 29.111 | 1.019 | |
| 10/14/2016 9:45:00 PM | 171900.000 | 64.731 | 17.070 |
| 145.812 | 34335.324 | 40463.980 | 26.015 |
| 27.516 | 29.125 | 1.019 | |
| 10/14/2016 10:00:00 PM | 172800.000 | 64.743 | 17.070 |
| 145.839 | 34336.320 | 40465.152 | 26.016 |
| 27.516 | 29.124 | 1.019 | |
| 10/14/2016 10:15:00 PM | 173700.000 | 64.736 | 17.071 |
| 145.825 | 34333.820 | 40461.648 | 26.014 |
| 27.514 | 29.126 | 1.019 | |
| 10/14/2016 10:30:00 PM | 174600.000 | 64.744 | 17.071 |
| 145.843 | 34345.801 | 40475.688 | 26.024 |
| 27.523 | 29.116 | 1.019 | |
| 10/14/2016 10:45:00 PM | 175500.000 | 64.745 | 17.071 |
| 145.845 | 34358.191 | 40489.809 | 26.034 |
| 27.533 | 29.105 | 1.019 | |
| 10/14/2016 11:00:00 PM | 176400.000 | 64.748 | 17.072 |
| 145.851 | 34343.496 | 40472.008 | 26.021 |
| 27.521 | 29.118 | 1.019 | |
| 10/14/2016 11:15:00 PM | 177300.000 | 64.750 | 17.072 |
| 145.855 | 34325.426 | 40450.789 | 26.006 |
| 27.507 | 29.133 | 1.019 | |
| 10/14/2016 11:30:00 PM | 178200.000 | 64.752 | 17.072 |
| 145.861 | 34357.695 | 40489.141 | 26.033 |
| 27.533 | 29.106 | 1.019 | |
| 10/14/2016 11:45:00 PM | 179100.000 | 64.748 | 17.071 |
| 145.850 | 34362.195 | 40494.527 | 26.037 |
| 27.536 | 29.102 | 1.019 | |
| 10/15/2016 12:00:00 AM | 180000.000 | 64.750 | 17.071 |
| 145.856 | 34365.230 | 40498.180 | 26.040 |
| 27.539 | 29.099 | 1.019 | |
| 10/15/2016 12:15:00 AM | 180900.000 | 64.751 | 17.072 |
| 145.857 | 34352.910 | 40483.266 | 26.029 |
| 27.529 | 29.110 | 1.019 | |
| 10/15/2016 12:30:00 AM | 181800.000 | 64.760 | 17.072 |
| 145.878 | 34349.531 | 40479.359 | 26.026 |
| 27.526 | 29.112 | 1.019 | |
| 10/15/2016 12:45:00 AM | 182700.000 | 64.744 | 17.071 |
| 145.843 | 34360.461 | 40492.480 | 26.036 |
| 27.535 | 29.103 | 1.019 | |
| 10/15/2016 1:00:00 AM | 183600.000 | 64.746 | 17.071 |

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|---|---|---|---|
| 145.847 | 34372.250 | 40506.695 | 26.046 |
| 27.545 | 29.093 | 1.019 | |
| 10/15/2016 1:15:00 AM | 184500.000 | 64.735 | 17.071 |
| 145.821 | 34360.949 | 40493.133 | 26.036 |
| 27.535 | 29.103 | 1.019 | |
| 10/15/2016 1:30:00 AM | 185400.000 | 64.734 | 17.072 |
| 145.819 | 34349.191 | 40479.117 | 26.026 |
| 27.526 | 29.113 | 1.019 | |
| 10/15/2016 1:45:00 AM | 186300.000 | 64.729 | 17.071 |
| 145.809 | 34354.609 | 40485.820 | 26.031 |
| 27.530 | 29.108 | 1.019 | |
| 10/15/2016 2:00:00 AM | 187200.000 | 64.725 | 17.071 |
| 145.799 | 34353.121 | 40483.910 | 26.030 |
| 27.529 | 29.109 | 1.019 | |
| 10/15/2016 2:15:00 AM | 188100.000 | 64.721 | 17.071 |
| 145.790 | 34356.273 | 40487.625 | 26.032 |
| 27.532 | 29.107 | 1.019 | |
| 10/15/2016 2:30:00 AM | 189000.000 | 64.718 | 17.071 |
| 145.783 | 34384.934 | 40521.320 | 26.056 |
| 27.554 | 29.083 | 1.019 | |
| 10/15/2016 2:45:00 AM | 189900.000 | 64.716 | 17.072 |
| 145.780 | 34368.379 | 40501.645 | 26.042 |
| 27.541 | 29.097 | 1.019 | |
| 10/15/2016 3:00:00 AM | 190800.000 | 64.717 | 17.071 |
| 145.780 | 34344.688 | 40474.215 | 26.023 |
| 27.522 | 29.117 | 1.019 | |
| 10/15/2016 3:15:00 AM | 191700.000 | 64.703 | 17.071 |
| 145.751 | 34365.438 | 40499.070 | 26.040 |
| 27.539 | 29.099 | 1.019 | |
| 10/15/2016 3:30:00 AM | 192600.000 | 64.703 | 17.071 |
| 145.750 | 34362.930 | 40495.559 | 26.038 |
| 27.537 | 29.101 | 1.019 | |
| 10/15/2016 3:45:00 AM | 193500.000 | 64.698 | 17.071 |
| 145.738 | 34344.504 | 40473.676 | 26.022 |
| 27.522 | 29.117 | 1.019 | |
| 10/15/2016 4:00:00 AM | 194400.000 | 64.699 | 17.072 |
| 145.740 | 34367.707 | 40500.852 | 26.042 |
| 27.541 | 29.097 | 1.019 | |
| 10/15/2016 4:15:00 AM | 195300.000 | 64.705 | 17.072 |
| 145.753 | 34352.641 | 40482.621 | 26.029 |
| 27.528 | 29.110 | 1.019 | |
| 10/15/2016 4:30:00 AM | 196200.000 | 64.697 | 17.071 |
| 145.736 | 34348.742 | 40478.750 | 26.026 |
| 27.526 | 29.113 | 1.019 | |
| 10/15/2016 4:45:00 AM | 197100.000 | 64.706 | 17.071 |
| 145.756 | 34364.004 | 40496.895 | 26.039 |
| 27.538 | 29.100 | 1.019 | |
| 10/15/2016 5:00:00 AM | 198000.000 | 64.695 | 17.071 |
| 145.732 | 34374.234 | 40509.277 | 26.048 |
| 27.546 | 29.092 | 1.019 | |
| 10/15/2016 5:15:00 AM | 198900.000 | 64.695 | 17.071 |
| 145.731 | 34370.383 | 40504.250 | 26.044 |
| 27.543 | 29.095 | 1.019 | |
| 10/15/2016 5:30:00 AM | 199800.000 | 64.695 | 17.071 |

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|---|---|---|---|
| 145.731 | 34366.414 | 40499.574 | 26.041 |
| 27.540 | 29.098 | 1.019 | |
| 10/15/2016 5:45:00 AM | 200700.000 | 64.701 | 17.071 |
| 145.745 | 34362.984 | 40496.094 | 26.038 |
| 27.537 | 29.101 | 1.019 | |
| 10/15/2016 6:00:00 AM | 201600.000 | 64.702 | 17.072 |
| 145.747 | 34340.180 | 40468.414 | 26.019 |
| 27.519 | 29.120 | 1.019 | |
| 10/15/2016 6:15:00 AM | 202500.000 | 64.701 | 17.072 |
| 145.745 | 34375.297 | 40509.484 | 26.048 |
| 27.546 | 29.091 | 1.019 | |
| 10/15/2016 6:30:00 AM | 203400.000 | 64.702 | 17.071 |
| 145.747 | 34333.191 | 40460.582 | 26.013 |
| 27.513 | 29.126 | 1.019 | |
| 10/15/2016 6:45:00 AM | 204300.000 | 64.711 | 17.071 |
| 145.767 | 34358.973 | 40490.965 | 26.035 |
| 27.534 | 29.104 | 1.019 | |
| 10/15/2016 7:00:00 AM | 205200.000 | 64.720 | 17.072 |
| 145.789 | 34362.457 | 40494.750 | 26.037 |
| 27.536 | 29.102 | 1.019 | |
| 10/15/2016 7:15:00 AM | 206100.000 | 64.718 | 17.071 |
| 145.784 | 34366.191 | 40499.555 | 26.041 |
| 27.540 | 29.098 | 1.019 | |
| 10/15/2016 7:30:00 AM | 207000.000 | 64.730 | 17.071 |
| 145.810 | 34363.047 | 40495.527 | 26.038 |
| 27.537 | 29.101 | 1.019 | |
| 10/15/2016 7:45:00 AM | 207900.000 | 64.739 | 17.071 |
| 145.830 | 34361.855 | 40494.293 | 26.037 |
| 27.536 | 29.102 | 1.019 | |
| 10/15/2016 8:00:00 AM | 208800.000 | 64.740 | 17.072 |
| 145.834 | 34372.777 | 40506.594 | 26.046 |
| 27.544 | 29.093 | 1.019 | |
| 10/15/2016 8:15:00 AM | 209700.000 | 64.749 | 17.071 |
| 145.852 | 34360.504 | 40492.531 | 26.036 |
| 27.535 | 29.103 | 1.019 | |
| 10/15/2016 8:30:00 AM | 210600.000 | 64.758 | 17.072 |
| 145.873 | 34352.785 | 40483.355 | 26.029 |
| 27.529 | 29.110 | 1.019 | |
| 10/15/2016 8:45:00 AM | 211500.000 | 64.764 | 17.072 |
| 145.886 | 34370.848 | 40504.160 | 26.044 |
| 27.543 | 29.094 | 1.019 | |
| 10/15/2016 9:00:00 AM | 212400.000 | 64.772 | 17.072 |
| 145.906 | 34367.551 | 40500.754 | 26.042 |
| 27.541 | 29.097 | 1.019 | |
| 10/15/2016 9:15:00 AM | 213300.000 | 64.770 | 17.072 |
| 145.900 | 34380.328 | 40515.414 | 26.052 |
| 27.550 | 29.086 | 1.019 | |
| 10/15/2016 9:30:00 AM | 214200.000 | 64.783 | 17.072 |
| 145.930 | 34379.191 | 40513.824 | 26.051 |
| 27.549 | 29.087 | 1.019 | |
| 10/15/2016 9:45:00 AM | 215100.000 | 64.786 | 17.072 |
| 145.937 | 34377.707 | 40512.242 | 26.050 |
| 27.548 | 29.089 | 1.019 | |
| 10/15/2016 10:00:00 AM | 216000.000 | 64.797 | 17.072 |

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|---|---|---|---|
| 145.961 | 34365.773 | 40498.098 | 26.040 |
| 27.539 | 29.099 | 1.019 | |
| 10/15/2016 10:15:00 AM | 216900.000 | 64.794 | 17.072 |
| 145.955 | 34372.703 | 40506.020 | 26.045 |
| 27.544 | 29.093 | 1.019 | |
| 10/15/2016 10:30:00 AM | 217800.000 | 64.800 | 17.072 |
| 145.968 | 34367.707 | 40500.375 | 26.041 |
| 27.540 | 29.097 | 1.019 | |
| 10/15/2016 10:45:00 AM | 218700.000 | 64.809 | 17.073 |
| 145.988 | 34362.953 | 40494.301 | 26.037 |
| 27.536 | 29.101 | 1.019 | |
| 10/15/2016 11:00:00 AM | 219600.000 | 64.811 | 17.072 |
| 145.993 | 34363.105 | 40494.801 | 26.037 |
| 27.536 | 29.101 | 1.019 | |
| 10/15/2016 11:15:00 AM | 220500.000 | 64.809 | 17.073 |
| 145.990 | 34371.980 | 40504.848 | 26.045 |
| 27.543 | 29.093 | 1.019 | |
| 10/15/2016 11:30:00 AM | 221400.000 | 64.812 | 17.073 |
| 145.995 | 34389.984 | 40525.508 | 26.059 |
| 27.557 | 29.078 | 1.019 | |
| 10/15/2016 11:45:00 AM | 222300.000 | 64.813 | 17.073 |
| 145.998 | 34362.879 | 40493.887 | 26.037 |
| 27.536 | 29.101 | 1.019 | |
| 10/15/2016 12:00:00 PM | 223200.000 | 64.822 | 17.072 |
| 146.018 | 34374.777 | 40508.461 | 26.047 |
| 27.546 | 29.091 | 1.019 | |
| 10/15/2016 12:15:00 PM | 224100.000 | 64.817 | 17.072 |
| 146.007 | 34393.230 | 40530.367 | 26.063 |
| 27.561 | 29.075 | 1.019 | |
| 10/15/2016 12:30:00 PM | 225000.000 | 64.811 | 17.073 |
| 145.994 | 34364.207 | 40495.777 | 26.038 |
| 27.537 | 29.100 | 1.019 | |
| 10/15/2016 12:45:00 PM | 225900.000 | 64.814 | 17.073 |
| 145.999 | 34367.883 | 40500.180 | 26.041 |
| 27.540 | 29.097 | 1.019 | |
| 10/15/2016 1:00:00 PM | 226800.000 | 64.806 | 17.073 |
| 145.983 | 34371.371 | 40503.664 | 26.044 |
| 27.542 | 29.094 | 1.019 | |
| 10/15/2016 1:15:00 PM | 227700.000 | 64.807 | 17.072 |
| 145.985 | 34395.793 | 40533.473 | 26.065 |
| 27.563 | 29.073 | 1.019 | |
| 10/15/2016 1:30:00 PM | 228600.000 | 64.804 | 17.073 |
| 145.977 | 34353.402 | 40482.953 | 26.029 |
| 27.528 | 29.109 | 1.019 | |
| 10/15/2016 1:45:00 PM | 229500.000 | 64.801 | 17.073 |
| 145.971 | 34393.547 | 40530.422 | 26.063 |
| 27.561 | 29.075 | 1.019 | |
| 10/15/2016 2:00:00 PM | 230400.000 | 64.796 | 17.072 |
| 145.959 | 34376.199 | 40510.383 | 26.048 |
| 27.547 | 29.090 | 1.019 | |
| 10/15/2016 2:15:00 PM | 231300.000 | 64.795 | 17.072 |
| 145.956 | 34375.316 | 40509.508 | 26.048 |
| 27.546 | 29.091 | 1.019 | |
| 10/15/2016 2:30:00 PM | 232200.000 | 64.784 | 17.072 |

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| 145.932 | 34352.605 | 40482.906 | 26.029 |
| 27.528 | 29.110 | 1.019 | |
| 10/15/2016 2:45:00 PM | 233100.000 | 64.776 | 17.072 |
| 145.914 | 34389.730 | 40526.492 | 26.060 |
| 27.558 | 29.078 | 1.019 | |
| 10/15/2016 3:00:00 PM | 234000.000 | 64.773 | 17.072 |
| 145.907 | 34355.770 | 40486.711 | 26.032 |
| 27.531 | 29.107 | 1.019 | |
| 10/15/2016 3:15:00 PM | 234900.000 | 64.765 | 17.072 |
| 145.889 | 34366.824 | 40499.660 | 26.041 |
| 27.540 | 29.098 | 1.019 | |
| 10/15/2016 3:30:00 PM | 235800.000 | 64.763 | 17.072 |
| 145.885 | 34357.172 | 40488.043 | 26.033 |
| 27.532 | 29.106 | 1.019 | |
| 10/15/2016 3:45:00 PM | 236700.000 | 64.777 | 17.072 |
| 145.916 | 34353.891 | 40484.422 | 26.030 |
| 27.529 | 29.109 | 1.019 | |
| 10/15/2016 4:00:00 PM | 237600.000 | 64.758 | 17.072 |
| 145.873 | 34347.598 | 40477.242 | 26.025 |
| 27.525 | 29.114 | 1.019 | |
| 10/15/2016 4:15:00 PM | 238500.000 | 64.748 | 17.072 |
| 145.850 | 34366.445 | 40499.129 | 26.040 |
| 27.539 | 29.098 | 1.019 | |
| 10/15/2016 4:30:00 PM | 239400.000 | 64.744 | 17.072 |
| 145.841 | 34349.570 | 40479.328 | 26.026 |
| 27.526 | 29.112 | 1.019 | |
| 10/15/2016 4:45:00 PM | 240300.000 | 64.745 | 17.072 |
| 145.844 | 34366.156 | 40498.875 | 26.040 |
| 27.539 | 29.098 | 1.019 | |
| 10/15/2016 5:00:00 PM | 241200.000 | 64.737 | 17.071 |
| 145.827 | 34386.297 | 40523.004 | 26.057 |
| 27.556 | 29.081 | 1.019 | |
| 10/15/2016 5:15:00 PM | 242100.000 | 64.740 | 17.071 |
| 145.834 | 34375.031 | 40509.730 | 26.048 |
| 27.547 | 29.091 | 1.019 | |
| 10/15/2016 5:30:00 PM | 243000.000 | 64.738 | 17.072 |
| 145.829 | 34368.301 | 40501.480 | 26.042 |
| 27.541 | 29.097 | 1.019 | |
| 10/15/2016 5:45:00 PM | 243900.000 | 64.735 | 17.072 |
| 145.821 | 34367.930 | 40500.965 | 26.042 |
| 27.541 | 29.097 | 1.019 | |
| 10/15/2016 6:00:00 PM | 244800.000 | 64.743 | 17.071 |
| 145.839 | 34358.262 | 40489.891 | 26.034 |
| 27.533 | 29.105 | 1.019 | |
| 10/15/2016 6:15:00 PM | 245700.000 | 64.739 | 17.071 |
| 145.830 | 34366.707 | 40499.844 | 26.041 |
| 27.540 | 29.098 | 1.019 | |
| 10/15/2016 6:30:00 PM | 246600.000 | 64.741 | 17.071 |
| 145.835 | 34365.137 | 40498.070 | 26.040 |
| 27.539 | 29.099 | 1.019 | |
| 10/15/2016 6:45:00 PM | 247500.000 | 64.740 | 17.072 |
| 145.833 | 34341.695 | 40470.125 | 26.020 |
| 27.520 | 29.119 | 1.019 | |
| 10/15/2016 7:00:00 PM | 248400.000 | 64.747 | 17.071 |

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|---|---|---|---|
| 145.849 | 34364.828 | 40497.629 | 26.039 |
| 27.538 | 29.100 | 1.019 | |
| 10/15/2016 7:15:00 PM | 249300.000 | 64.753 | 17.071 |
| 145.862 | 34360.285 | 40492.273 | 26.036 |
| 27.535 | 29.103 | 1.019 | |
| 10/15/2016 7:30:00 PM | 250200.000 | 64.758 | 17.072 |
| 145.875 | 34361.055 | 40492.863 | 26.036 |
| 27.535 | 29.103 | 1.019 | |
| 10/15/2016 7:45:00 PM | 251100.000 | 64.758 | 17.072 |
| 145.873 | 34353.684 | 40484.176 | 26.030 |
| 27.529 | 29.109 | 1.019 | |
| 10/15/2016 8:00:00 PM | 252000.000 | 64.765 | 17.072 |
| 145.889 | 34358.504 | 40489.695 | 26.034 |
| 27.533 | 29.105 | 1.019 | |
| 10/15/2016 8:15:00 PM | 252900.000 | 64.772 | 17.072 |
| 145.906 | 34358.852 | 40489.938 | 26.034 |
| 27.533 | 29.105 | 1.019 | |
| 10/15/2016 8:30:00 PM | 253800.000 | 64.775 | 17.072 |
| 145.912 | 34373.039 | 40506.902 | 26.046 |
| 27.545 | 29.093 | 1.019 | |
| 10/15/2016 8:45:00 PM | 254700.000 | 64.783 | 17.072 |
| 145.930 | 34353.918 | 40484.125 | 26.030 |
| 27.529 | 29.109 | 1.019 | |
| 10/15/2016 9:00:00 PM | 255600.000 | 64.789 | 17.072 |
| 145.944 | 34357.582 | 40488.848 | 26.033 |
| 27.532 | 29.106 | 1.019 | |
| 10/15/2016 9:15:00 PM | 256500.000 | 64.795 | 17.072 |
| 145.958 | 34375.797 | 40510.074 | 26.048 |
| 27.547 | 29.090 | 1.019 | |
| 10/15/2016 9:30:00 PM | 257400.000 | 64.802 | 17.072 |
| 145.972 | 34370.598 | 40504.023 | 26.044 |
| 27.543 | 29.095 | 1.019 | |
| 10/15/2016 9:45:00 PM | 258300.000 | 64.808 | 17.072 |
| 145.987 | 34374.965 | 40509.012 | 26.048 |
| 27.546 | 29.091 | 1.019 | |
| 10/15/2016 10:00:00 PM | 259200.000 | 64.818 | 17.072 |
| 146.010 | 34365.734 | 40497.805 | 26.040 |
| 27.539 | 29.099 | 1.019 | |
| 10/15/2016 10:15:00 PM | 260100.000 | 64.822 | 17.072 |
| 146.017 | 34387.324 | 40523.492 | 26.058 |
| 27.556 | 29.080 | 1.019 | |
| 10/15/2016 10:30:00 PM | 261000.000 | 64.824 | 17.072 |
| 146.022 | 34374.723 | 40508.559 | 26.047 |
| 27.546 | 29.091 | 1.019 | |
| 10/15/2016 10:45:00 PM | 261900.000 | 64.831 | 17.072 |
| 146.039 | 34371.934 | 40505.270 | 26.045 |
| 27.544 | 29.094 | 1.019 | |
| 10/15/2016 11:00:00 PM | 262800.000 | 64.831 | 17.072 |
| 146.038 | 34390.457 | 40527.098 | 26.060 |
| 27.558 | 29.078 | 1.019 | |
| 10/15/2016 11:15:00 PM | 263700.000 | 64.835 | 17.072 |
| 146.048 | 34349.242 | 40478.617 | 26.026 |
| 27.525 | 29.113 | 1.019 | |
| 10/15/2016 11:30:00 PM | 264600.000 | 64.840 | 17.072 |

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|---|---|---|---|
| 146.059 | 34382.281 | 40517.551 | 26.054 |
| 27.552 | 29.085 | 1.019 | |
| 10/15/2016 11:45:00 PM | 265500.000 | 64.846 | 17.073 |
| 146.072 | 34368.348 | 40500.656 | 26.042 |
| 27.540 | 29.097 | 1.019 | |
| 10/16/2016 12:00:00 AM | 266400.000 | 64.850 | 17.072 |
| 146.082 | 34364.645 | 40496.613 | 26.039 |
| 27.538 | 29.100 | 1.019 | |
| 10/16/2016 12:15:00 AM | 267300.000 | 64.848 | 17.073 |
| 146.077 | 34370.328 | 40502.434 | 26.043 |
| 27.542 | 29.095 | 1.019 | |
| 10/16/2016 12:30:00 AM | 268200.000 | 64.848 | 17.073 |
| 146.076 | 34386.766 | 40522.430 | 26.057 |
| 27.555 | 29.081 | 1.019 | |
| 10/16/2016 12:45:00 AM | 269100.000 | 64.845 | 17.073 |
| 146.070 | 34378.578 | 40512.715 | 26.050 |
| 27.549 | 29.088 | 1.019 | |
| 10/16/2016 1:00:00 AM | 270000.000 | 64.844 | 17.073 |
| 146.067 | 34364.320 | 40495.910 | 26.038 |
| 27.537 | 29.100 | 1.019 | |
| 10/16/2016 1:15:00 AM | 270900.000 | 64.845 | 17.072 |
| 146.070 | 34368.535 | 40501.266 | 26.042 |
| 27.541 | 29.096 | 1.019 | |
| 10/16/2016 1:30:00 AM | 271800.000 | 64.844 | 17.072 |
| 146.067 | 34370.535 | 40503.621 | 26.044 |
| 27.542 | 29.095 | 1.019 | |
| 10/16/2016 1:45:00 AM | 272700.000 | 64.838 | 17.072 |
| 146.053 | 34364.973 | 40497.000 | 26.039 |
| 27.538 | 29.099 | 1.019 | |
| 10/16/2016 2:00:00 AM | 273600.000 | 64.836 | 17.073 |
| 146.049 | 34378.180 | 40512.246 | 26.050 |
| 27.548 | 29.088 | 1.019 | |
| 10/16/2016 2:15:00 AM | 274500.000 | 64.836 | 17.073 |
| 146.050 | 34387.680 | 40523.508 | 26.058 |
| 27.556 | 29.080 | 1.019 | |
| 10/16/2016 2:30:00 AM | 275400.000 | 64.836 | 17.072 |
| 146.050 | 34370.434 | 40503.273 | 26.043 |
| 27.542 | 29.095 | 1.019 | |
| 10/16/2016 2:45:00 AM | 276300.000 | 64.826 | 17.073 |
| 146.027 | 34378.273 | 40512.422 | 26.050 |
| 27.548 | 29.088 | 1.019 | |
| 10/16/2016 3:00:00 AM | 277200.000 | 64.825 | 17.072 |
| 146.024 | 34364.094 | 40495.965 | 26.038 |
| 27.537 | 29.100 | 1.019 | |
| 10/16/2016 3:15:00 AM | 278100.000 | 64.818 | 17.072 |
| 146.009 | 34382.926 | 40518.715 | 26.054 |
| 27.553 | 29.084 | 1.019 | |
| 10/16/2016 3:30:00 AM | 279000.000 | 64.815 | 17.073 |
| 146.001 | 34391.555 | 40528.004 | 26.061 |
| 27.559 | 29.077 | 1.019 | |
| 10/16/2016 3:45:00 AM | 279900.000 | 64.826 | 17.072 |
| 146.026 | 34376.434 | 40510.742 | 26.049 |
| 27.547 | 29.090 | 1.019 | |
| 10/16/2016 4:00:00 AM | 280800.000 | 64.813 | 17.072 |

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|---|---|---|---|
| 145.997 | 34383.375 | 40518.594 | 26.054 |
| 27.553 | 29.084 | 1.019 | |
| 10/16/2016 4:15:00 AM | 281700.000 | 64.808 | 17.072 |
| 145.986 | 34389.082 | 40525.480 | 26.059 |
| 27.557 | 29.079 | 1.019 | |
| 10/16/2016 4:30:00 AM | 282600.000 | 64.801 | 17.072 |
| 145.971 | 34371.082 | 40504.266 | 26.044 |
| 27.543 | 29.094 | 1.019 | |
| 10/16/2016 4:45:00 AM | 283500.000 | 64.809 | 17.072 |
| 145.988 | 34363.289 | 40495.016 | 26.038 |
| 27.537 | 29.101 | 1.019 | |
| 10/16/2016 5:00:00 AM | 284400.000 | 64.801 | 17.072 |
| 145.970 | 34370.047 | 40503.461 | 26.044 |
| 27.542 | 29.095 | 1.019 | |
| 10/16/2016 5:15:00 AM | 285300.000 | 64.797 | 17.072 |
| 145.961 | 34371.398 | 40504.727 | 26.044 |
| 27.543 | 29.094 | 1.019 | |
| 10/16/2016 5:30:00 AM | 286200.000 | 64.799 | 17.072 |
| 145.965 | 34370.652 | 40503.848 | 26.044 |
| 27.543 | 29.095 | 1.019 | |
| 10/16/2016 5:45:00 AM | 287100.000 | 64.800 | 17.072 |
| 145.968 | 34390.641 | 40527.484 | 26.061 |
| 27.559 | 29.078 | 1.019 | |
| 10/16/2016 6:00:00 AM | 288000.000 | 64.798 | 17.071 |
| 145.964 | 34373.063 | 40507.332 | 26.046 |
| 27.545 | 29.093 | 1.019 | |
| 10/16/2016 6:15:00 AM | 288900.000 | 64.801 | 17.072 |
| 145.970 | 34378.918 | 40514.066 | 26.051 |
| 27.550 | 29.088 | 1.019 | |
| 10/16/2016 6:30:00 AM | 289800.000 | 64.803 | 17.072 |
| 145.976 | 34373.078 | 40506.703 | 26.046 |
| 27.545 | 29.093 | 1.019 | |
| 10/16/2016 6:45:00 AM | 290700.000 | 64.802 | 17.072 |
| 145.973 | 34371.035 | 40504.379 | 26.044 |
| 27.543 | 29.094 | 1.019 | |
| 10/16/2016 7:00:00 AM | 291600.000 | 64.809 | 17.072 |
| 145.989 | 34367.266 | 40500.020 | 26.041 |
| 27.540 | 29.097 | 1.019 | |
| 10/16/2016 7:15:00 AM | 292500.000 | 64.813 | 17.072 |
| 145.998 | 34370.430 | 40503.582 | 26.044 |
| 27.542 | 29.095 | 1.019 | |
| 10/16/2016 7:30:00 AM | 293400.000 | 64.820 | 17.072 |
| 146.014 | 34380.340 | 40515.016 | 26.052 |
| 27.550 | 29.086 | 1.019 | |
| 10/16/2016 7:45:00 AM | 294300.000 | 64.828 | 17.072 |
| 146.032 | 34373.113 | 40506.828 | 26.046 |
| 27.545 | 29.093 | 1.019 | |
| 10/16/2016 8:00:00 AM | 295200.000 | 64.831 | 17.073 |
| 146.039 | 34374.625 | 40508.125 | 26.047 |
| 27.546 | 29.091 | 1.019 | |
| 10/16/2016 8:15:00 AM | 296100.000 | 64.837 | 17.072 |
| 146.051 | 34389.266 | 40525.863 | 26.060 |
| 27.558 | 29.079 | 1.019 | |
| 10/16/2016 8:30:00 AM | 297000.000 | 64.841 | 17.072 |

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|---|---|---|---|
| 146.060 | 34369.875 | 40502.930 | 26.043 |
| 27.542 | 29.095 | 1.019 | |
| 10/16/2016 8:45:00 AM | 297900.000 | 64.848 | 17.073 |
| 146.078 | 34370.867 | 40503.695 | 26.044 |
| 27.543 | 29.094 | 1.019 | |
| 10/16/2016 9:00:00 AM | 298800.000 | 64.859 | 17.072 |
| 146.101 | 34376.523 | 40510.520 | 26.049 |
| 27.547 | 29.090 | 1.019 | |
| 10/16/2016 9:15:00 AM | 299700.000 | 64.878 | 17.072 |
| 146.143 | 34382.168 | 40517.660 | 26.054 |
| 27.552 | 29.085 | 1.019 | |
| 10/16/2016 9:30:00 AM | 300600.000 | 64.867 | 17.073 |
| 146.118 | 34394.688 | 40531.766 | 26.064 |
| 27.562 | 29.074 | 1.019 | |
| 10/16/2016 9:45:00 AM | 301500.000 | 64.881 | 17.072 |
| 146.150 | 34391.184 | 40527.797 | 26.061 |
| 27.559 | 29.077 | 1.019 | |
| 10/16/2016 10:00:00 AM | 302400.000 | 64.884 | 17.072 |
| 146.157 | 34394.809 | 40532.000 | 26.064 |
| 27.562 | 29.074 | 1.019 | |
| 10/16/2016 10:15:00 AM | 303300.000 | 64.896 | 17.073 |
| 146.185 | 34380.148 | 40514.160 | 26.051 |
| 27.550 | 29.087 | 1.019 | |
| 10/16/2016 10:30:00 AM | 304200.000 | 64.900 | 17.073 |
| 146.194 | 34371.504 | 40504.211 | 26.044 |
| 27.543 | 29.094 | 1.019 | |
| 10/16/2016 10:45:00 AM | 305100.000 | 64.915 | 17.073 |
| 146.227 | 34394.293 | 40531.141 | 26.063 |
| 27.561 | 29.075 | 1.019 | |
| 10/16/2016 11:00:00 AM | 306000.000 | 64.910 | 17.073 |
| 146.216 | 34392.348 | 40528.613 | 26.062 |
| 27.559 | 29.076 | 1.019 | |
| 10/16/2016 11:15:00 AM | 306900.000 | 64.914 | 17.073 |
| 146.224 | 34385.957 | 40520.852 | 26.056 |
| 27.554 | 29.082 | 1.019 | |
| 10/16/2016 11:30:00 AM | 307800.000 | 64.916 | 17.073 |
| 146.230 | 34414.840 | 40555.277 | 26.080 |
| 27.578 | 29.057 | 1.019 | |
| 10/16/2016 11:45:00 AM | 308700.000 | 64.924 | 17.073 |
| 146.247 | 34393.465 | 40529.539 | 26.062 |
| 27.560 | 29.075 | 1.019 | |
| 10/16/2016 12:00:00 PM | 309600.000 | 64.919 | 17.074 |
| 146.237 | 34394.137 | 40530.082 | 26.063 |
| 27.560 | 29.075 | 1.019 | |
| 10/16/2016 12:15:00 PM | 310500.000 | 64.924 | 17.074 |
| 146.247 | 34409.871 | 40548.621 | 26.076 |
| 27.573 | 29.061 | 1.019 | |
| 10/16/2016 12:30:00 PM | 311400.000 | 64.917 | 17.073 |
| 146.233 | 34404.773 | 40542.867 | 26.072 |
| 27.569 | 29.066 | 1.019 | |
| 10/16/2016 12:45:00 PM | 312300.000 | 64.920 | 17.073 |
| 146.238 | 34406.348 | 40544.949 | 26.073 |
| 27.571 | 29.064 | 1.019 | |
| 10/16/2016 1:00:00 PM | 313200.000 | 64.914 | 17.073 |

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|---|---|---|---|
| 146.224 | 34405.707 | 40544.191 | 26.073 |
| 27.570 | 29.065 | 1.019 | |
| 10/16/2016 1:15:00 PM | 314100.000 | 64.912 | 17.073 |
| 146.222 | 34399.715 | 40536.902 | 26.067 |
| 27.565 | 29.070 | 1.019 | |
| 10/16/2016 1:30:00 PM | 315000.000 | 64.912 | 17.073 |
| 146.222 | 34381.578 | 40515.531 | 26.052 |
| 27.551 | 29.085 | 1.019 | |
| 10/16/2016 1:45:00 PM | 315900.000 | 64.912 | 17.073 |
| 146.222 | 34380.340 | 40514.230 | 26.051 |
| 27.550 | 29.086 | 1.019 | |
| 10/16/2016 2:00:00 PM | 316800.000 | 64.905 | 17.073 |
| 146.204 | 34391.707 | 40527.781 | 26.061 |
| 27.559 | 29.077 | 1.019 | |
| 10/16/2016 2:15:00 PM | 317700.000 | 64.900 | 17.073 |
| 146.194 | 34384.559 | 40519.762 | 26.055 |
| 27.553 | 29.083 | 1.019 | |
| 10/16/2016 2:30:00 PM | 318600.000 | 64.893 | 17.073 |
| 146.177 | 34386.617 | 40521.859 | 26.057 |
| 27.555 | 29.081 | 1.019 | |
| 10/16/2016 2:45:00 PM | 319500.000 | 64.891 | 17.072 |
| 146.174 | 34409.492 | 40549.531 | 26.076 |
| 27.574 | 29.062 | 1.019 | |
| 10/16/2016 3:00:00 PM | 320400.000 | 64.900 | 17.073 |
| 146.194 | 34361.164 | 40492.023 | 26.035 |
| 27.535 | 29.103 | 1.019 | |
| 10/16/2016 3:15:00 PM | 321300.000 | 64.876 | 17.072 |
| 146.140 | 34379.449 | 40514.129 | 26.051 |
| 27.550 | 29.087 | 1.019 | |
| 10/16/2016 3:30:00 PM | 322200.000 | 64.869 | 17.072 |
| 146.125 | 34358.969 | 40489.832 | 26.034 |
| 27.533 | 29.104 | 1.019 | |
| 10/16/2016 3:45:00 PM | 323100.000 | 64.877 | 17.072 |
| 146.142 | 34377.320 | 40512.031 | 26.050 |
| 27.548 | 29.089 | 1.019 | |
| 10/16/2016 4:00:00 PM | 324000.000 | 64.854 | 17.072 |
| 146.091 | 34366.223 | 40498.625 | 26.040 |
| 27.539 | 29.098 | 1.019 | |
| 10/16/2016 4:15:00 PM | 324900.000 | 64.847 | 17.072 |
| 146.074 | 34358.535 | 40489.730 | 26.034 |
| 27.533 | 29.105 | 1.019 | |
| 10/16/2016 4:30:00 PM | 325800.000 | 64.857 | 17.072 |
| 146.096 | 34357.664 | 40488.781 | 26.033 |
| 27.532 | 29.106 | 1.019 | |
| 10/16/2016 4:45:00 PM | 326700.000 | 64.841 | 17.072 |
| 146.061 | 34349.723 | 40479.348 | 26.026 |
| 27.526 | 29.112 | 1.019 | |
| 10/16/2016 5:00:00 PM | 327600.000 | 64.834 | 17.072 |
| 146.045 | 34370.227 | 40503.820 | 26.044 |
| 27.543 | 29.095 | 1.019 | |
| 10/16/2016 5:15:00 PM | 328500.000 | 64.827 | 17.071 |
| 146.030 | 34372.543 | 40506.719 | 26.046 |
| 27.545 | 29.093 | 1.019 | |
| 10/16/2016 5:30:00 PM | 329400.000 | 64.817 | 17.071 |

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|---|---|---|---|
| 146.007 | 34342.184 | 40471.266 | 26.021 |
| 27.520 | 29.119 | 1.019 | |
| 10/16/2016 5:45:00 PM | 330300.000 | 64.815 | 17.071 |
| 146.001 | 34370.512 | 40504.730 | 26.044 |
| 27.543 | 29.095 | 1.019 | |
| 10/16/2016 6:00:00 PM | 331200.000 | 64.816 | 17.072 |
| 146.004 | 34329.055 | 40455.305 | 26.009 |
| 27.510 | 29.130 | 1.019 | |
| 10/16/2016 6:15:00 PM | 332100.000 | 64.809 | 17.071 |
| 145.988 | 34344.477 | 40473.965 | 26.023 |
| 27.522 | 29.117 | 1.019 | |
| 10/16/2016 6:30:00 PM | 333000.000 | 64.809 | 17.071 |
| 145.990 | 34354.266 | 40485.348 | 26.031 |
| 27.530 | 29.108 | 1.019 | |
| 10/16/2016 6:45:00 PM | 333900.000 | 64.809 | 17.071 |
| 145.988 | 34337.359 | 40465.980 | 26.017 |
| 27.517 | 29.123 | 1.019 | |
| 10/16/2016 7:00:00 PM | 334800.000 | 64.805 | 17.071 |
| 145.979 | 34349.566 | 40480.207 | 26.027 |
| 27.527 | 29.112 | 1.019 | |
| 10/16/2016 7:15:00 PM | 335700.000 | 64.807 | 17.071 |
| 145.984 | 34341.352 | 40470.754 | 26.020 |
| 27.520 | 29.119 | 1.019 | |
| 10/16/2016 7:30:00 PM | 336600.000 | 64.811 | 17.071 |
| 145.994 | 34336.438 | 40464.965 | 26.016 |
| 27.516 | 29.124 | 1.019 | |
| 10/16/2016 7:45:00 PM | 337500.000 | 64.811 | 17.071 |
| 145.993 | 34327.945 | 40454.801 | 26.009 |
| 27.509 | 29.131 | 1.019 | |
| 10/16/2016 8:00:00 PM | 338400.000 | 64.817 | 17.070 |
| 146.006 | 34353.277 | 40485.137 | 26.030 |
| 27.530 | 29.109 | 1.019 | |
| 10/16/2016 8:15:00 PM | 339300.000 | 64.818 | 17.071 |
| 146.008 | 34325.168 | 40450.969 | 26.006 |
| 27.507 | 29.133 | 1.019 | |
| 10/16/2016 8:30:00 PM | 340200.000 | 64.825 | 17.071 |
| 146.024 | 34351.469 | 40482.121 | 26.028 |
| 27.528 | 29.111 | 1.019 | |
| 10/16/2016 8:45:00 PM | 341100.000 | 64.829 | 17.071 |
| 146.033 | 34331.711 | 40458.922 | 26.012 |
| 27.512 | 29.128 | 1.019 | |
| 10/16/2016 9:00:00 PM | 342000.000 | 64.830 | 17.071 |
| 146.035 | 34342.059 | 40471.434 | 26.021 |
| 27.521 | 29.119 | 1.019 | |
| 10/16/2016 9:15:00 PM | 342900.000 | 64.841 | 17.071 |
| 146.061 | 34340.445 | 40469.688 | 26.019 |
| 27.519 | 29.120 | 1.019 | |
| 10/16/2016 9:30:00 PM | 343800.000 | 64.844 | 17.070 |
| 146.068 | 34344.008 | 40474.043 | 26.023 |
| 27.522 | 29.117 | 1.019 | |
| 10/16/2016 9:45:00 PM | 344700.000 | 64.849 | 17.070 |
| 146.080 | 34333.598 | 40462.180 | 26.014 |
| 27.514 | 29.126 | 1.019 | |
| 10/16/2016 10:00:00 PM | 345600.000 | 64.849 | 17.070 |

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| 146.080 | 34334.395 | 40462.961 | 26.015 |
| 27.515 | 29.125 | 1.019 | |
| 10/16/2016 10:15:00 PM | 346500.000 | 64.863 | 17.071 |
| 146.111 | 34327.469 | 40454.242 | 26.008 |
| 27.509 | 29.131 | 1.019 | |
| 10/16/2016 10:30:00 PM | 347400.000 | 64.867 | 17.071 |
| 146.119 | 34335.262 | 40463.578 | 26.015 |
| 27.515 | 29.125 | 1.019 | |
| 10/16/2016 10:45:00 PM | 348300.000 | 64.872 | 17.071 |
| 146.130 | 34336.934 | 40465.395 | 26.016 |
| 27.516 | 29.123 | 1.019 | |
| 10/16/2016 11:00:00 PM | 349200.000 | 64.875 | 17.071 |
| 146.138 | 34317.391 | 40442.289 | 26.000 |
| 27.501 | 29.140 | 1.019 | |
| 10/16/2016 11:15:00 PM | 350100.000 | 64.887 | 17.070 |
| 146.164 | 34347.891 | 40478.789 | 26.026 |
| 27.526 | 29.114 | 1.019 | |
| 10/16/2016 11:30:00 PM | 351000.000 | 64.881 | 17.070 |
| 146.150 | 34315.457 | 40440.398 | 25.999 |
| 27.499 | 29.141 | 1.019 | |
| 10/16/2016 11:45:00 PM | 351900.000 | 64.901 | 17.071 |
| 146.196 | 34346.383 | 40476.531 | 26.024 |
| 27.524 | 29.115 | 1.019 | |
| 10/17/2016 12:00:00 AM | 352800.000 | 64.899 | 17.070 |
| 146.191 | 34331.883 | 40459.848 | 26.012 |
| 27.513 | 29.127 | 1.019 | |
| 10/17/2016 12:15:00 AM | 353700.000 | 64.893 | 17.070 |
| 146.177 | 34318.770 | 40444.301 | 26.001 |
| 27.502 | 29.139 | 1.019 | |
| 10/17/2016 12:30:00 AM | 354600.000 | 64.893 | 17.071 |
| 146.177 | 34365.102 | 40498.676 | 26.040 |
| 27.539 | 29.099 | 1.019 | |
| 10/17/2016 12:45:00 AM | 355500.000 | 64.896 | 17.071 |
| 146.184 | 34342.512 | 40472.121 | 26.021 |
| 27.521 | 29.118 | 1.019 | |
| 10/17/2016 1:00:00 AM | 356400.000 | 64.902 | 17.071 |
| 146.197 | 34337.121 | 40465.703 | 26.017 |
| 27.517 | 29.123 | 1.019 | |
| 10/17/2016 1:15:00 AM | 357300.000 | 64.896 | 17.071 |
| 146.185 | 34336.980 | 40465.449 | 26.016 |
| 27.517 | 29.123 | 1.019 | |
| 10/17/2016 1:30:00 AM | 358200.000 | 64.896 | 17.071 |
| 146.184 | 34325.445 | 40452.012 | 26.007 |
| 27.507 | 29.133 | 1.019 | |
| 10/17/2016 1:45:00 AM | 359100.000 | 64.893 | 17.070 |
| 146.178 | 34333.453 | 40461.934 | 26.014 |
| 27.514 | 29.126 | 1.019 | |
| 10/17/2016 2:00:00 AM | 360000.000 | 64.891 | 17.070 |
| 146.172 | 34318.457 | 40444.262 | 26.001 |
| 27.502 | 29.139 | 1.019 | |
| 10/17/2016 2:15:00 AM | 360900.000 | 64.889 | 17.070 |
| 146.170 | 34321.168 | 40447.613 | 26.004 |
| 27.504 | 29.137 | 1.019 | |
| 10/17/2016 2:30:00 AM | 361800.000 | 64.888 | 17.070 |

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|---|---|---|---|
| 146.166 | 34315.359 | 40440.609 | 25.999 |
| 27.500 | 29.141 | 1.019 | |
| 10/17/2016 2:45:00 AM | 362700.000 | 64.884 | 17.071 |
| 146.158 | 34329.383 | 40456.582 | 26.010 |
| 27.510 | 29.130 | 1.019 | |
| 10/17/2016 3:00:00 AM | 363600.000 | 64.882 | 17.070 |
| 146.154 | 34327.684 | 40455.527 | 26.009 |
| 27.510 | 29.131 | 1.019 | |
| 10/17/2016 3:15:00 AM | 364500.000 | 64.877 | 17.070 |
| 146.143 | 34334.387 | 40462.875 | 26.015 |
| 27.515 | 29.125 | 1.019 | |
| 10/17/2016 3:30:00 AM | 365400.000 | 64.875 | 17.069 |
| 146.136 | 34323.047 | 40450.148 | 26.005 |
| 27.506 | 29.135 | 1.019 | |
| 10/17/2016 3:45:00 AM | 366300.000 | 64.872 | 17.070 |
| 146.131 | 34323.957 | 40450.508 | 26.006 |
| 27.506 | 29.134 | 1.019 | |
| 10/17/2016 4:00:00 AM | 367200.000 | 64.871 | 17.070 |
| 146.128 | 34324.355 | 40451.531 | 26.006 |
| 27.507 | 29.134 | 1.019 | |
| 10/17/2016 4:15:00 AM | 368100.000 | 64.867 | 17.070 |
| 146.120 | 34331.957 | 40460.168 | 26.013 |
| 27.513 | 29.127 | 1.019 | |
| 10/17/2016 4:30:00 AM | 369000.000 | 64.858 | 17.069 |
| 146.099 | 34314.309 | 40439.852 | 25.998 |
| 27.499 | 29.142 | 1.019 | |
| 10/17/2016 4:45:00 AM | 369900.000 | 64.860 | 17.070 |
| 146.103 | 34330.031 | 40458.059 | 26.011 |
| 27.511 | 29.129 | 1.019 | |
| 10/17/2016 5:00:00 AM | 370800.000 | 64.851 | 17.070 |
| 146.083 | 34316.555 | 40442.414 | 26.000 |
| 27.501 | 29.140 | 1.019 | |
| 10/17/2016 5:15:00 AM | 371700.000 | 64.852 | 17.069 |
| 146.086 | 34339.270 | 40469.824 | 26.019 |
| 27.519 | 29.121 | 1.019 | |
| 10/17/2016 5:30:00 AM | 372600.000 | 64.847 | 17.069 |
| 146.075 | 34304.668 | 40428.648 | 25.990 |
| 27.491 | 29.151 | 1.019 | |
| 10/17/2016 5:45:00 AM | 373500.000 | 64.847 | 17.069 |
| 146.074 | 34306.559 | 40431.203 | 25.992 |
| 27.493 | 29.149 | 1.019 | |
| 10/17/2016 6:00:00 AM | 374400.000 | 64.845 | 17.069 |
| 146.070 | 34311.855 | 40437.355 | 25.996 |
| 27.497 | 29.144 | 1.019 | |
| 10/17/2016 6:15:00 AM | 375300.000 | 64.843 | 17.069 |
| 146.066 | 34312.137 | 40437.777 | 25.997 |
| 27.498 | 29.144 | 1.019 | |
| 10/17/2016 6:30:00 AM | 376200.000 | 64.841 | 17.069 |
| 146.061 | 34312.496 | 40438.027 | 25.997 |
| 27.498 | 29.144 | 1.019 | |
| 10/17/2016 6:45:00 AM | 377100.000 | 64.845 | 17.069 |
| 146.070 | 34300.914 | 40424.551 | 25.987 |
| 27.489 | 29.154 | 1.019 | |
| 10/17/2016 7:00:00 AM | 378000.000 | 64.846 | 17.068 |

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| 146.072 | 34325.145 | 40453.660 | 26.008 |
| 27.508 | 29.133 | 1.019 | |
| 10/17/2016 7:15:00 AM | 378900.000 | 64.846 | 17.069 |
| 146.072 | 34296.594 | 40419.133 | 25.983 |
| 27.485 | 29.157 | 1.019 | |
| 10/17/2016 7:30:00 AM | 379800.000 | 64.855 | 17.069 |
| 146.092 | 34310.570 | 40436.000 | 25.995 |
| 27.496 | 29.146 | 1.019 | |
| 10/17/2016 7:45:00 AM | 380700.000 | 64.853 | 17.069 |
| 146.087 | 34302.402 | 40426.133 | 25.988 |
| 27.490 | 29.152 | 1.019 | |
| 10/17/2016 8:00:00 AM | 381600.000 | 64.855 | 17.069 |
| 146.093 | 34295.211 | 40417.656 | 25.982 |
| 27.484 | 29.159 | 1.019 | |
| 10/17/2016 8:15:00 AM | 382500.000 | 64.857 | 17.069 |
| 146.098 | 34294.242 | 40416.438 | 25.981 |
| 27.483 | 29.159 | 1.019 | |
| 10/17/2016 8:30:00 AM | 383400.000 | 64.867 | 17.069 |
| 146.118 | 34299.309 | 40422.973 | 25.986 |
| 27.488 | 29.155 | 1.019 | |
| 10/17/2016 8:45:00 AM | 384300.000 | 64.870 | 17.069 |
| 146.127 | 34303.672 | 40427.801 | 25.990 |
| 27.491 | 29.151 | 1.019 | |
| 10/17/2016 9:00:00 AM | 385200.000 | 64.879 | 17.069 |
| 146.145 | 34313.066 | 40439.184 | 25.998 |
| 27.499 | 29.143 | 1.019 | |
| 10/17/2016 9:15:00 AM | 386100.000 | 64.885 | 17.069 |
| 146.159 | 34294.965 | 40417.934 | 25.983 |
| 27.484 | 29.159 | 1.019 | |
| 10/17/2016 9:30:00 AM | 387000.000 | 64.900 | 17.069 |
| 146.194 | 34308.254 | 40433.359 | 25.994 |
| 27.495 | 29.148 | 1.019 | |
| 10/17/2016 9:45:00 AM | 387900.000 | 64.893 | 17.069 |
| 146.177 | 34315.480 | 40442.031 | 26.000 |
| 27.501 | 29.141 | 1.019 | |
| 10/17/2016 10:00:00 AM | 388800.000 | 64.902 | 17.069 |
| 146.198 | 34293.184 | 40415.672 | 25.981 |
| 27.483 | 29.160 | 1.019 | |
| 10/17/2016 10:15:00 AM | 389700.000 | 64.910 | 17.069 |
| 146.216 | 34322.305 | 40449.273 | 26.005 |
| 27.506 | 29.136 | 1.019 | |
| 10/17/2016 10:30:00 AM | 390600.000 | 64.917 | 17.069 |
| 146.233 | 34310.457 | 40435.797 | 25.995 |
| 27.496 | 29.146 | 1.019 | |
| 10/17/2016 10:45:00 AM | 391500.000 | 64.922 | 17.069 |
| 146.242 | 34307.281 | 40431.645 | 25.992 |
| 27.494 | 29.148 | 1.019 | |
| 10/17/2016 11:00:00 AM | 392400.000 | 64.928 | 17.070 |
| 146.258 | 34303.172 | 40426.406 | 25.989 |
| 27.490 | 29.152 | 1.019 | |
| 10/17/2016 11:15:00 AM | 393300.000 | 64.946 | 17.069 |
| 146.298 | 34304.566 | 40428.527 | 25.990 |
| 27.491 | 29.151 | 1.019 | |
| 10/17/2016 11:30:00 AM | 394200.000 | 64.936 | 17.070 |

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| 146.276 | 34312.645 | 40437.805 | 25.997 |
| 27.498 | 29.144 | 1.019 | |
| 10/17/2016 11:45:00 AM | 395100.000 | 64.940 | 17.069 |
| 146.283 | 34317.531 | 40443.648 | 26.001 |
| 27.502 | 29.140 | 1.019 | |
| 10/17/2016 12:00:00 PM | 396000.000 | 64.943 | 17.069 |
| 146.290 | 34327.734 | 40456.070 | 26.010 |
| 27.510 | 29.131 | 1.019 | |
| 10/17/2016 12:15:00 PM | 396900.000 | 64.944 | 17.070 |
| 146.294 | 34312.480 | 40437.375 | 25.996 |
| 27.497 | 29.144 | 1.019 | |
| 10/17/2016 12:30:00 PM | 397800.000 | 64.948 | 17.069 |
| 146.302 | 34312.344 | 40437.535 | 25.997 |
| 27.498 | 29.144 | 1.019 | |
| 10/17/2016 12:45:00 PM | 398700.000 | 64.949 | 17.070 |
| 146.304 | 34311.363 | 40435.664 | 25.995 |
| 27.496 | 29.145 | 1.019 | |
| 10/17/2016 1:00:00 PM | 399600.000 | 64.944 | 17.069 |
| 146.292 | 34299.008 | 40421.820 | 25.985 |
| 27.487 | 29.155 | 1.019 | |
| 10/17/2016 1:15:00 PM | 400500.000 | 64.950 | 17.070 |
| 146.306 | 34338.664 | 40467.746 | 26.018 |
| 27.518 | 29.122 | 1.019 | |
| 10/17/2016 1:30:00 PM | 401400.000 | 64.946 | 17.070 |
| 146.298 | 34343.816 | 40474.305 | 26.023 |
| 27.523 | 29.117 | 1.019 | |
| 10/17/2016 1:45:00 PM | 402300.000 | 64.939 | 17.070 |
| 146.281 | 34304.375 | 40427.984 | 25.990 |
| 27.491 | 29.151 | 1.019 | |
| 10/17/2016 2:00:00 PM | 403200.000 | 64.942 | 17.070 |
| 146.289 | 34315.695 | 40440.609 | 25.999 |
| 27.500 | 29.141 | 1.019 | |
| 10/17/2016 2:15:00 PM | 404100.000 | 64.938 | 17.070 |
| 146.280 | 34324.473 | 40451.746 | 26.007 |
| 27.507 | 29.134 | 1.019 | |
| 10/17/2016 2:30:00 PM | 405000.000 | 64.932 | 17.070 |
| 146.265 | 34323.051 | 40449.750 | 26.005 |
| 27.506 | 29.135 | 1.019 | |
| 10/17/2016 2:45:00 PM | 405900.000 | 64.923 | 17.069 |
| 146.245 | 34338.480 | 40468.652 | 26.019 |
| 27.519 | 29.122 | 1.019 | |
| 10/17/2016 3:00:00 PM | 406800.000 | 64.921 | 17.069 |
| 146.240 | 34331.547 | 40460.652 | 26.013 |
| 27.513 | 29.128 | 1.019 | |
| 10/17/2016 3:15:00 PM | 407700.000 | 64.933 | 17.070 |
| 146.268 | 34320.352 | 40446.652 | 26.003 |
| 27.504 | 29.137 | 1.019 | |
| 10/17/2016 3:30:00 PM | 408600.000 | 64.908 | 17.070 |
| 146.210 | 34325.930 | 40453.066 | 26.008 |
| 27.508 | 29.132 | 1.019 | |
| 10/17/2016 3:45:00 PM | 409500.000 | 64.904 | 17.070 |
| 146.204 | 34331.555 | 40459.773 | 26.012 |
| 27.513 | 29.128 | 1.019 | |
| 10/17/2016 4:00:00 PM | 410400.000 | 64.900 | 17.069 |

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| 146.193 | 34323.254 | 40450.551 | 26.006 |
| 27.506 | 29.135 | 1.019 | |
| 10/17/2016 4:15:00 PM | 411300.000 | 64.887 | 17.069 |
| 146.165 | 34309.102 | 40433.789 | 25.994 |
| 27.495 | 29.147 | 1.019 | |
| 10/17/2016 4:30:00 PM | 412200.000 | 64.882 | 17.069 |
| 146.154 | 34319.273 | 40446.016 | 26.003 |
| 27.503 | 29.138 | 1.019 | |
| 10/17/2016 4:45:00 PM | 413100.000 | 64.874 | 17.070 |
| 146.134 | 34318.141 | 40443.492 | 26.001 |
| 27.502 | 29.139 | 1.019 | |
| 10/17/2016 5:00:00 PM | 414000.000 | 64.869 | 17.070 |
| 146.124 | 34309.281 | 40433.523 | 25.994 |
| 27.495 | 29.147 | 1.019 | |
| 10/17/2016 5:15:00 PM | 414900.000 | 64.864 | 17.070 |
| 146.112 | 34322.238 | 40448.715 | 26.004 |
| 27.505 | 29.136 | 1.019 | |
| 10/17/2016 5:30:00 PM | 415800.000 | 64.860 | 17.069 |
| 146.104 | 34325.898 | 40453.668 | 26.008 |
| 27.508 | 29.133 | 1.019 | |
| 10/17/2016 5:45:00 PM | 416700.000 | 64.853 | 17.070 |
| 146.088 | 34325.301 | 40452.324 | 26.007 |
| 27.508 | 29.133 | 1.019 | |
| 10/17/2016 6:00:00 PM | 417600.000 | 64.856 | 17.069 |
| 146.095 | 34309.621 | 40434.328 | 25.994 |
| 27.495 | 29.146 | 1.019 | |
| 10/17/2016 6:15:00 PM | 418500.000 | 64.844 | 17.069 |
| 146.068 | 34327.797 | 40456.059 | 26.010 |
| 27.510 | 29.131 | 1.019 | |
| 10/17/2016 6:30:00 PM | 419400.000 | 64.850 | 17.070 |
| 146.080 | 34298.230 | 40420.500 | 25.984 |
| 27.486 | 29.156 | 1.019 | |
| 10/17/2016 6:45:00 PM | 420300.000 | 64.836 | 17.070 |
| 146.050 | 34310.348 | 40434.621 | 25.994 |
| 27.496 | 29.146 | 1.019 | |
| 10/17/2016 7:00:00 PM | 421200.000 | 64.834 | 17.069 |
| 146.046 | 34317.195 | 40443.414 | 26.001 |
| 27.502 | 29.140 | 1.019 | |
| 10/17/2016 7:15:00 PM | 422100.000 | 64.831 | 17.070 |
| 146.038 | 34327.930 | 40455.820 | 26.010 |
| 27.510 | 29.131 | 1.019 | |
| 10/17/2016 7:30:00 PM | 423000.000 | 64.828 | 17.069 |
| 146.032 | 34317.297 | 40443.371 | 26.001 |
| 27.501 | 29.140 | 1.019 | |
| 10/17/2016 7:45:00 PM | 423900.000 | 64.830 | 17.070 |
| 146.035 | 34320.273 | 40446.477 | 26.003 |
| 27.504 | 29.137 | 1.019 | |
| 10/17/2016 8:00:00 PM | 424800.000 | 64.829 | 17.069 |
| 146.034 | 34308.770 | 40433.398 | 25.994 |
| 27.495 | 29.147 | 1.019 | |
| 10/17/2016 8:15:00 PM | 425700.000 | 64.828 | 17.069 |
| 146.031 | 34297.746 | 40420.566 | 25.984 |
| 27.486 | 29.156 | 1.019 | |
| 10/17/2016 8:30:00 PM | 426600.000 | 64.831 | 17.069 |

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| 146.038 | 34308.066 | 40433.211 | 25.993 |
| 27.495 | 29.148 | 1.019 | |
| 10/17/2016 8:45:00 PM | 427500.000 | 64.832 | 17.069 |
| 146.041 | 34338.574 | 40468.449 | 26.019 |
| 27.519 | 29.122 | 1.019 | |
| 10/17/2016 9:00:00 PM | 428400.000 | 64.835 | 17.070 |
| 146.048 | 34318.539 | 40444.750 | 26.002 |
| 27.502 | 29.139 | 1.019 | |
| 10/17/2016 9:15:00 PM | 429300.000 | 64.835 | 17.069 |
| 146.047 | 34314.348 | 40440.383 | 25.999 |
| 27.499 | 29.142 | 1.019 | |
| 10/17/2016 9:30:00 PM | 430200.000 | 64.846 | 17.069 |
| 146.071 | 34303.227 | 40426.949 | 25.989 |
| 27.490 | 29.152 | 1.019 | |
| 10/17/2016 9:45:00 PM | 431100.000 | 64.848 | 17.069 |
| 146.076 | 34322.473 | 40449.785 | 26.005 |
| 27.506 | 29.135 | 1.019 | |
| 10/17/2016 10:00:00 PM | 432000.000 | 64.853 | 17.069 |
| 146.087 | 34315.422 | 40441.719 | 25.999 |
| 27.500 | 29.141 | 1.019 | |
| 10/17/2016 10:15:00 PM | 432900.000 | 64.861 | 17.069 |
| 146.107 | 34307.539 | 40432.590 | 25.993 |
| 27.494 | 29.148 | 1.019 | |
| 10/17/2016 10:30:00 PM | 433800.000 | 64.866 | 17.070 |
| 146.117 | 34297.016 | 40419.313 | 25.984 |
| 27.485 | 29.157 | 1.019 | |
| 10/17/2016 10:45:00 PM | 434700.000 | 64.873 | 17.070 |
| 146.133 | 34298.402 | 40420.465 | 25.984 |
| 27.486 | 29.156 | 1.019 | |
| 10/17/2016 11:00:00 PM | 435600.000 | 64.879 | 17.069 |
| 146.145 | 34324.648 | 40452.109 | 26.007 |
| 27.507 | 29.134 | 1.019 | |
| 10/17/2016 11:15:00 PM | 436500.000 | 64.883 | 17.069 |
| 146.155 | 34303.383 | 40427.371 | 25.989 |
| 27.491 | 29.152 | 1.019 | |
| 10/17/2016 11:30:00 PM | 437400.000 | 64.892 | 17.069 |
| 146.175 | 34337.953 | 40467.875 | 26.018 |
| 27.518 | 29.122 | 1.019 | |
| 10/17/2016 11:45:00 PM | 438300.000 | 64.896 | 17.070 |
| 146.184 | 34325.191 | 40452.195 | 26.007 |
| 27.507 | 29.133 | 1.019 | |
| 10/18/2016 12:00:00 AM | 439200.000 | 64.899 | 17.070 |
| 146.191 | 34314.648 | 40440.012 | 25.998 |
| 27.499 | 29.142 | 1.019 | |
| 10/18/2016 12:15:00 AM | 440100.000 | 64.900 | 17.070 |
| 146.193 | 34328.094 | 40455.777 | 26.010 |
| 27.510 | 29.131 | 1.019 | |
| 10/18/2016 12:30:00 AM | 441000.000 | 64.905 | 17.071 |
| 146.206 | 34313.211 | 40437.594 | 25.997 |
| 27.498 | 29.143 | 1.019 | |
| 10/18/2016 12:45:00 AM | 441900.000 | 64.913 | 17.070 |
| 146.223 | 34328.676 | 40455.977 | 26.010 |
| 27.510 | 29.130 | 1.019 | |
| 10/18/2016 1:00:00 AM | 442800.000 | 64.913 | 17.070 |

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| 146.223 | 34331.020 | 40459.461 | 26.012 |
| 27.512 | 29.128 | 1.019 | |
| 10/18/2016 1:15:00 AM | 443700.000 | 64.914 | 17.070 |
| 146.226 | 34340.043 | 40469.859 | 26.020 |
| 27.520 | 29.121 | 1.019 | |
| 10/18/2016 1:30:00 AM | 444600.000 | 64.915 | 17.070 |
| 146.228 | 34313.879 | 40438.781 | 25.997 |
| 27.498 | 29.143 | 1.019 | |
| 10/18/2016 1:45:00 AM | 445500.000 | 64.919 | 17.070 |
| 146.237 | 34324.902 | 40452.176 | 26.007 |
| 27.507 | 29.133 | 1.019 | |
| 10/18/2016 2:00:00 AM | 446400.000 | 64.921 | 17.070 |
| 146.240 | 34339.156 | 40468.813 | 26.019 |
| 27.519 | 29.121 | 1.019 | |
| 10/18/2016 2:15:00 AM | 447300.000 | 64.920 | 17.070 |
| 146.238 | 34329.031 | 40456.563 | 26.010 |
| 27.510 | 29.130 | 1.019 | |
| 10/18/2016 2:30:00 AM | 448200.000 | 64.920 | 17.070 |
| 146.239 | 34343.988 | 40474.113 | 26.023 |
| 27.522 | 29.117 | 1.019 | |
| 10/18/2016 2:45:00 AM | 449100.000 | 64.920 | 17.070 |
| 146.239 | 34345.242 | 40475.902 | 26.024 |
| 27.524 | 29.116 | 1.019 | |
| 10/18/2016 3:00:00 AM | 450000.000 | 64.921 | 17.070 |
| 146.240 | 34322.539 | 40448.836 | 26.005 |
| 27.505 | 29.135 | 1.019 | |
| 10/18/2016 3:15:00 AM | 450900.000 | 64.918 | 17.070 |
| 146.233 | 34321.898 | 40447.922 | 26.004 |
| 27.505 | 29.136 | 1.019 | |
| 10/18/2016 3:30:00 AM | 451800.000 | 64.912 | 17.070 |
| 146.222 | 34340.414 | 40469.977 | 26.020 |
| 27.520 | 29.120 | 1.019 | |
| 10/18/2016 3:45:00 AM | 452700.000 | 64.915 | 17.070 |
| 146.227 | 34337.387 | 40466.570 | 26.017 |
| 27.517 | 29.123 | 1.019 | |
| 10/18/2016 4:00:00 AM | 453600.000 | 64.910 | 17.071 |
| 146.216 | 34330.219 | 40457.246 | 26.011 |
| 27.511 | 29.129 | 1.019 | |
| 10/18/2016 4:15:00 AM | 454500.000 | 64.915 | 17.071 |
| 146.228 | 34319.480 | 40444.980 | 26.002 |
| 27.503 | 29.138 | 1.019 | |
| 10/18/2016 4:30:00 AM | 455400.000 | 64.909 | 17.070 |
| 146.213 | 34331.711 | 40459.797 | 26.012 |
| 27.513 | 29.128 | 1.019 | |
| 10/18/2016 4:45:00 AM | 456300.000 | 64.905 | 17.071 |
| 146.206 | 34341.383 | 40470.723 | 26.020 |
| 27.520 | 29.119 | 1.019 | |
| 10/18/2016 5:00:00 AM | 457200.000 | 64.905 | 17.071 |
| 146.204 | 34332.406 | 40460.215 | 26.013 |
| 27.513 | 29.127 | 1.019 | |
| 10/18/2016 5:15:00 AM | 458100.000 | 64.900 | 17.070 |
| 146.194 | 34324.320 | 40451.328 | 26.006 |
| 27.507 | 29.134 | 1.019 | |
| 10/18/2016 5:30:00 AM | 459000.000 | 64.907 | 17.070 |

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| 146.208 | 34329.141 | 40457.246 | 26.011 |
| 27.511 | 29.130 | 1.019 | |
| 10/18/2016 5:45:00 AM | 459900.000 | 64.897 | 17.070 |
| 146.188 | 34322.672 | 40449.547 | 26.005 |
| 27.506 | 29.135 | 1.019 | |
| 10/18/2016 6:00:00 AM | 460800.000 | 64.898 | 17.070 |
| 146.190 | 34330.547 | 40458.828 | 26.012 |
| 27.512 | 29.129 | 1.019 | |
| 10/18/2016 6:15:00 AM | 461700.000 | 64.892 | 17.070 |
| 146.176 | 34348.633 | 40479.820 | 26.027 |
| 27.526 | 29.113 | 1.019 | |
| 10/18/2016 6:30:00 AM | 462600.000 | 64.900 | 17.070 |
| 146.194 | 34325.488 | 40452.625 | 26.007 |
| 27.508 | 29.133 | 1.019 | |
| 10/18/2016 6:45:00 AM | 463500.000 | 64.893 | 17.070 |
| 146.177 | 34322.281 | 40448.844 | 26.005 |
| 27.505 | 29.136 | 1.019 | |
| 10/18/2016 7:00:00 AM | 464400.000 | 64.893 | 17.069 |
| 146.177 | 34343.480 | 40474.230 | 26.023 |
| 27.522 | 29.118 | 1.019 | |
| 10/18/2016 7:15:00 AM | 465300.000 | 64.888 | 17.070 |
| 146.168 | 34315.914 | 40441.262 | 25.999 |
| 27.500 | 29.141 | 1.019 | |
| 10/18/2016 7:30:00 AM | 466200.000 | 64.892 | 17.071 |
| 146.176 | 34325.699 | 40452.242 | 26.007 |
| 27.508 | 29.133 | 1.019 | |
| 10/18/2016 7:45:00 AM | 467100.000 | 64.889 | 17.070 |
| 146.170 | 34323.184 | 40450.070 | 26.005 |
| 27.506 | 29.135 | 1.019 | |
| 10/18/2016 8:00:00 AM | 468000.000 | 64.895 | 17.070 |
| 146.182 | 34312.215 | 40437.145 | 25.996 |
| 27.497 | 29.144 | 1.019 | |
| 10/18/2016 8:15:00 AM | 468900.000 | 64.912 | 17.070 |
| 146.220 | 34332.758 | 40461.508 | 26.014 |
| 27.514 | 29.127 | 1.019 | |
| 10/18/2016 8:30:00 AM | 469800.000 | 64.898 | 17.070 |
| 146.188 | 34311.828 | 40436.688 | 25.996 |
| 27.497 | 29.144 | 1.019 | |
| 10/18/2016 8:45:00 AM | 470700.000 | 64.904 | 17.070 |
| 146.203 | 34332.516 | 40461.223 | 26.013 |
| 27.514 | 29.127 | 1.019 | |
| 10/18/2016 9:00:00 AM | 471600.000 | 64.913 | 17.070 |
| 146.223 | 34335.348 | 40464.242 | 26.016 |
| 27.516 | 29.125 | 1.019 | |
| 10/18/2016 9:15:00 AM | 472500.000 | 64.912 | 17.070 |
| 146.222 | 34339.332 | 40468.938 | 26.019 |
| 27.519 | 29.121 | 1.019 | |
| 10/18/2016 9:30:00 AM | 473400.000 | 64.923 | 17.070 |
| 146.245 | 34333.156 | 40461.582 | 26.014 |
| 27.514 | 29.126 | 1.019 | |
| 10/18/2016 9:45:00 AM | 474300.000 | 64.924 | 17.070 |
| 146.248 | 34322.586 | 40449.367 | 26.005 |
| 27.506 | 29.135 | 1.019 | |
| 10/18/2016 10:00:00 AM | 475200.000 | 64.924 | 17.070 |

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|---|---|---|---|
| 146.248 | 34334.855 | 40463.191 | 26.015 |
| 27.515 | 29.125 | 1.019 | |
| 10/18/2016 10:15:00 AM | 476100.000 | 64.938 | 17.070 |
| 146.279 | 34330.465 | 40458.086 | 26.011 |
| 27.511 | 29.129 | 1.019 | |
| 10/18/2016 10:30:00 AM | 477000.000 | 64.941 | 17.070 |
| 146.286 | 34335.273 | 40463.996 | 26.015 |
| 27.516 | 29.125 | 1.019 | |
| 10/18/2016 10:45:00 AM | 477900.000 | 64.950 | 17.070 |
| 146.307 | 34347.625 | 40478.477 | 26.026 |
| 27.525 | 29.114 | 1.019 | |
| 10/18/2016 11:00:00 AM | 478800.000 | 64.960 | 17.070 |
| 146.328 | 34355.137 | 40487.250 | 26.032 |
| 27.531 | 29.108 | 1.019 | |
| 10/18/2016 11:15:00 AM | 479700.000 | 64.969 | 17.070 |
| 146.349 | 34334.699 | 40463.164 | 26.015 |
| 27.515 | 29.125 | 1.019 | |
| 10/18/2016 11:30:00 AM | 480600.000 | 64.974 | 17.071 |
| 146.361 | 34351.387 | 40482.512 | 26.029 |
| 27.528 | 29.111 | 1.019 | |
| 10/18/2016 11:45:00 AM | 481500.000 | 64.977 | 17.071 |
| 146.366 | 34318.219 | 40443.492 | 26.001 |
| 27.502 | 29.139 | 1.019 | |
| 10/18/2016 12:00:00 PM | 482400.000 | 64.981 | 17.071 |
| 146.375 | 34334.289 | 40462.043 | 26.014 |
| 27.514 | 29.125 | 1.019 | |
| 10/18/2016 12:15:00 PM | 483300.000 | 64.987 | 17.070 |
| 146.389 | 34342.660 | 40472.387 | 26.021 |
| 27.521 | 29.118 | 1.019 | |
| 10/18/2016 12:30:00 PM | 484200.000 | 64.989 | 17.071 |
| 146.393 | 34334.781 | 40462.859 | 26.015 |
| 27.515 | 29.125 | 1.019 | |
| 10/18/2016 12:45:00 PM | 485100.000 | 64.990 | 17.070 |
| 146.396 | 34349.105 | 40480.051 | 26.027 |
| 27.526 | 29.113 | 1.019 | |
| 10/18/2016 1:00:00 PM | 486000.000 | 64.997 | 17.071 |
| 146.412 | 34338.746 | 40467.684 | 26.018 |
| 27.518 | 29.122 | 1.019 | |
| 10/18/2016 1:15:00 PM | 486900.000 | 65.012 | 17.071 |
| 146.445 | 34358.301 | 40490.172 | 26.034 |
| 27.533 | 29.105 | 1.019 | |
| 10/18/2016 1:30:00 PM | 487800.000 | 64.994 | 17.072 |
| 146.404 | 34344.297 | 40473.266 | 26.022 |
| 27.522 | 29.117 | 1.019 | |
| 10/18/2016 1:45:00 PM | 488700.000 | 64.994 | 17.071 |
| 146.404 | 34358.754 | 40490.793 | 26.034 |
| 27.534 | 29.105 | 1.019 | |
| 10/18/2016 2:00:00 PM | 489600.000 | 64.996 | 17.072 |
| 146.409 | 34353.813 | 40484.406 | 26.030 |
| 27.529 | 29.109 | 1.019 | |
| 10/18/2016 2:15:00 PM | 490500.000 | 64.994 | 17.072 |
| 146.404 | 34361.156 | 40493.059 | 26.036 |
| 27.535 | 29.103 | 1.019 | |
| 10/18/2016 2:30:00 PM | 491400.000 | 64.996 | 17.072 |

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| 146.409 | 34347.563 | 40476.879 | 26.025 |
| 27.524 | 29.114 | 1.019 | |
| 10/18/2016 2:45:00 PM | 492300.000 | 64.974 | 17.071 |
| 146.360 | 34348.688 | 40479.012 | 26.026 |
| 27.526 | 29.113 | 1.019 | |
| 10/18/2016 3:00:00 PM | 493200.000 | 64.983 | 17.072 |
| 146.381 | 34366.945 | 40499.883 | 26.041 |
| 27.540 | 29.098 | 1.019 | |
| 10/18/2016 3:15:00 PM | 494100.000 | 64.980 | 17.070 |
| 146.373 | 34342.305 | 40471.969 | 26.021 |
| 27.521 | 29.119 | 1.019 | |
| 10/18/2016 3:30:00 PM | 495000.000 | 64.979 | 17.071 |
| 146.371 | 34355.336 | 40486.922 | 26.032 |
| 27.531 | 29.108 | 1.019 | |
| 10/18/2016 3:45:00 PM | 495900.000 | 64.976 | 17.071 |
| 146.364 | 34355.426 | 40486.715 | 26.032 |
| 27.531 | 29.107 | 1.019 | |
| 10/18/2016 4:00:00 PM | 496800.000 | 64.975 | 17.071 |
| 146.362 | 34335.520 | 40463.570 | 26.015 |
| 27.515 | 29.124 | 1.019 | |
| 10/18/2016 4:15:00 PM | 497700.000 | 64.968 | 17.071 |
| 146.346 | 34348.320 | 40478.738 | 26.026 |
| 27.526 | 29.114 | 1.019 | |
| 10/18/2016 4:30:00 PM | 498600.000 | 64.959 | 17.071 |
| 146.326 | 34341.855 | 40471.117 | 26.020 |
| 27.520 | 29.119 | 1.019 | |
| 10/18/2016 4:45:00 PM | 499500.000 | 64.952 | 17.071 |
| 146.311 | 34346.176 | 40476.441 | 26.024 |
| 27.524 | 29.115 | 1.019 | |
| 10/18/2016 5:00:00 PM | 500400.000 | 64.943 | 17.070 |
| 146.291 | 34344.277 | 40474.605 | 26.023 |
| 27.523 | 29.117 | 1.019 | |
| 10/18/2016 5:15:00 PM | 501300.000 | 64.945 | 17.070 |
| 146.294 | 34332.426 | 40460.965 | 26.013 |
| 27.513 | 29.127 | 1.019 | |
| 10/18/2016 5:30:00 PM | 502200.000 | 64.932 | 17.070 |
| 146.267 | 34328.156 | 40455.531 | 26.009 |
| 27.510 | 29.131 | 1.019 | |
| 10/18/2016 5:45:00 PM | 503100.000 | 64.929 | 17.070 |
| 146.258 | 34309.410 | 40433.438 | 25.994 |
| 27.495 | 29.147 | 1.019 | |
| 10/18/2016 6:00:00 PM | 504000.000 | 64.924 | 17.070 |
| 146.248 | 34324.445 | 40451.156 | 26.006 |
| 27.507 | 29.134 | 1.019 | |
| 10/18/2016 6:15:00 PM | 504900.000 | 64.917 | 17.070 |
| 146.233 | 34325.867 | 40453.387 | 26.008 |
| 27.508 | 29.133 | 1.019 | |
| 10/18/2016 6:30:00 PM | 505800.000 | 64.904 | 17.069 |
| 146.204 | 34322.402 | 40450.035 | 26.005 |
| 27.506 | 29.135 | 1.019 | |
| 10/18/2016 6:45:00 PM | 506700.000 | 64.903 | 17.070 |
| 146.200 | 34314.074 | 40439.012 | 25.998 |
| 27.499 | 29.143 | 1.019 | |
| 10/18/2016 7:00:00 PM | 507600.000 | 64.901 | 17.069 |

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| 146.196 | 34329.090 | 40457.668 | 26.011 |
| 27.511 | 29.130 | 1.019 | |
| 10/18/2016 7:15:00 PM | 508500.000 | 64.893 | 17.069 |
| 146.178 | 34314.512 | 40440.328 | 25.998 |
| 27.499 | 29.142 | 1.019 | |
| 10/18/2016 7:30:00 PM | 509400.000 | 64.888 | 17.069 |
| 146.166 | 34330.527 | 40459.125 | 26.012 |
| 27.512 | 29.129 | 1.019 | |
| 10/18/2016 7:45:00 PM | 510300.000 | 64.883 | 17.069 |
| 146.155 | 34297.156 | 40419.949 | 25.984 |
| 27.486 | 29.157 | 1.019 | |
| 10/18/2016 8:00:00 PM | 511200.000 | 64.883 | 17.069 |
| 146.155 | 34327.512 | 40455.805 | 26.009 |
| 27.510 | 29.131 | 1.019 | |
| 10/18/2016 8:15:00 PM | 512100.000 | 64.883 | 17.070 |
| 146.155 | 34323.410 | 40450.492 | 26.006 |
| 27.506 | 29.135 | 1.019 | |
| 10/18/2016 8:30:00 PM | 513000.000 | 64.877 | 17.069 |
| 146.141 | 34323.016 | 40450.828 | 26.006 |
| 27.507 | 29.135 | 1.019 | |
| 10/18/2016 8:45:00 PM | 513900.000 | 64.879 | 17.069 |
| 146.145 | 34309.688 | 40434.719 | 25.994 |
| 27.496 | 29.146 | 1.019 | |
| 10/18/2016 9:00:00 PM | 514800.000 | 64.873 | 17.070 |
| 146.133 | 34329.141 | 40457.246 | 26.011 |
| 27.511 | 29.130 | 1.019 | |
| 10/18/2016 9:15:00 PM | 515700.000 | 64.875 | 17.069 |
| 146.138 | 34314.234 | 40440.316 | 25.998 |
| 27.499 | 29.142 | 1.019 | |
| 10/18/2016 9:30:00 PM | 516600.000 | 64.876 | 17.069 |
| 146.140 | 34336.250 | 40466.195 | 26.017 |
| 27.517 | 29.124 | 1.019 | |
| 10/18/2016 9:45:00 PM | 517500.000 | 64.875 | 17.069 |
| 146.136 | 34307.094 | 40431.992 | 25.993 |
| 27.494 | 29.148 | 1.019 | |
| 10/18/2016 10:00:00 PM | 518400.000 | 64.883 | 17.070 |
| 146.155 | 34331.734 | 40459.984 | 26.013 |
| 27.513 | 29.128 | 1.019 | |
| 10/18/2016 10:15:00 PM | 519300.000 | 64.882 | 17.070 |
| 146.153 | 34293.691 | 40415.395 | 25.981 |
| 27.482 | 29.160 | 1.019 | |
| 10/18/2016 10:30:00 PM | 520200.000 | 64.887 | 17.069 |
| 146.164 | 34310.289 | 40435.188 | 25.995 |
| 27.496 | 29.146 | 1.019 | |
| 10/18/2016 10:45:00 PM | 521100.000 | 64.886 | 17.069 |
| 146.163 | 34313.516 | 40438.992 | 25.998 |
| 27.499 | 29.143 | 1.019 | |
| 10/18/2016 11:00:00 PM | 522000.000 | 64.892 | 17.069 |
| 146.175 | 34312.223 | 40437.879 | 25.997 |
| 27.498 | 29.144 | 1.019 | |
| 10/18/2016 11:15:00 PM | 522900.000 | 64.895 | 17.070 |
| 146.182 | 34317.871 | 40443.730 | 26.001 |
| 27.502 | 29.139 | 1.019 | |
| 10/18/2016 11:30:00 PM | 523800.000 | 64.902 | 17.069 |

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| 146.198 | 34318.496 | 40445.098 | 26.002 |
| 27.503 | 29.139 | 1.019 | |
| 10/18/2016 11:45:00 PM | 524700.000 | 64.904 | 17.069 |
| 146.202 | 34336.680 | 40466.527 | 26.017 |
| 27.517 | 29.123 | 1.019 | |
| 10/19/2016 12:00:00 AM | 525600.000 | 64.906 | 17.069 |
| 146.207 | 34330.402 | 40458.977 | 26.012 |
| 27.512 | 29.129 | 1.019 | |
| 10/19/2016 12:15:00 AM | 526500.000 | 64.919 | 17.069 |
| 146.237 | 34306.578 | 40430.977 | 25.992 |
| 27.493 | 29.149 | 1.019 | |
| 10/19/2016 12:30:00 AM | 527400.000 | 64.918 | 17.069 |
| 146.235 | 34304.324 | 40428.242 | 25.990 |
| 27.491 | 29.151 | 1.019 | |
| 10/19/2016 12:45:00 AM | 528300.000 | 64.926 | 17.069 |
| 146.253 | 34320.246 | 40447.086 | 26.003 |
| 27.504 | 29.137 | 1.019 | |
| 10/19/2016 1:00:00 AM | 529200.000 | 64.928 | 17.069 |
| 146.258 | 34337.516 | 40467.754 | 26.018 |
| 27.518 | 29.123 | 1.019 | |
| 10/19/2016 1:15:00 AM | 530100.000 | 64.933 | 17.070 |
| 146.269 | 34304.770 | 40428.371 | 25.990 |
| 27.491 | 29.150 | 1.019 | |
| 10/19/2016 1:30:00 AM | 531000.000 | 64.939 | 17.069 |
| 146.281 | 34318.270 | 40444.832 | 26.002 |
| 27.502 | 29.139 | 1.019 | |
| 10/19/2016 1:45:00 AM | 531900.000 | 64.940 | 17.069 |
| 146.283 | 34319.754 | 40446.914 | 26.003 |
| 27.504 | 29.138 | 1.019 | |
| 10/19/2016 2:00:00 AM | 532800.000 | 64.942 | 17.069 |
| 146.289 | 34311.605 | 40437.059 | 25.996 |
| 27.497 | 29.145 | 1.019 | |
| 10/19/2016 2:15:00 AM | 533700.000 | 64.948 | 17.069 |
| 146.302 | 34325.789 | 40453.617 | 26.008 |
| 27.508 | 29.133 | 1.019 | |
| 10/19/2016 2:30:00 AM | 534600.000 | 64.946 | 17.069 |
| 146.297 | 34315.387 | 40441.766 | 25.999 |
| 27.500 | 29.141 | 1.019 | |
| 10/19/2016 2:45:00 AM | 535500.000 | 64.950 | 17.069 |
| 146.306 | 34304.668 | 40428.563 | 25.990 |
| 27.491 | 29.151 | 1.019 | |
| 10/19/2016 3:00:00 AM | 536400.000 | 64.947 | 17.068 |
| 146.300 | 34323.613 | 40451.773 | 26.007 |
| 27.507 | 29.134 | 1.019 | |
| 10/19/2016 3:15:00 AM | 537300.000 | 64.950 | 17.069 |
| 146.306 | 34327.281 | 40455.535 | 26.009 |
| 27.510 | 29.131 | 1.019 | |
| 10/19/2016 3:30:00 AM | 538200.000 | 64.951 | 17.069 |
| 146.308 | 34296.262 | 40419.137 | 25.983 |
| 27.485 | 29.158 | 1.019 | |
| 10/19/2016 3:45:00 AM | 539100.000 | 64.947 | 17.069 |
| 146.300 | 34295.516 | 40418.188 | 25.983 |
| 27.484 | 29.158 | 1.019 | |
| 10/19/2016 4:00:00 AM | 540000.000 | 64.952 | 17.069 |

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| 146.310 | 34312.012 | 40437.629 | 25.997 |
| 27.498 | 29.144 | 1.019 | |
| 10/19/2016 4:15:00 AM | 540900.000 | 64.950 | 17.069 |
| 146.306 | 34315.188 | 40441.281 | 25.999 |
| 27.500 | 29.142 | 1.019 | |
| 10/19/2016 4:30:00 AM | 541800.000 | 64.944 | 17.070 |
| 146.294 | 34314.074 | 40439.488 | 25.998 |
| 27.499 | 29.143 | 1.019 | |
| 10/19/2016 4:45:00 AM | 542700.000 | 64.946 | 17.069 |
| 146.298 | 34306.191 | 40430.930 | 25.992 |
| 27.493 | 29.149 | 1.019 | |
| 10/19/2016 5:00:00 AM | 543600.000 | 64.938 | 17.069 |
| 146.279 | 34307.594 | 40432.422 | 25.993 |
| 27.494 | 29.148 | 1.019 | |
| 10/19/2016 5:15:00 AM | 544500.000 | 64.952 | 17.069 |
| 146.312 | 34299.625 | 40422.781 | 25.986 |
| 27.487 | 29.155 | 1.019 | |
| 10/19/2016 5:30:00 AM | 545400.000 | 64.939 | 17.069 |
| 146.281 | 34307.586 | 40432.242 | 25.993 |
| 27.494 | 29.148 | 1.019 | |
| 10/19/2016 5:45:00 AM | 546300.000 | 64.933 | 17.069 |
| 146.269 | 34309.652 | 40434.918 | 25.995 |
| 27.496 | 29.146 | 1.019 | |
| 10/19/2016 6:00:00 AM | 547200.000 | 64.934 | 17.069 |
| 146.269 | 34310.281 | 40435.750 | 25.995 |
| 27.496 | 29.146 | 1.019 | |
| 10/19/2016 6:15:00 AM | 548100.000 | 64.933 | 17.069 |
| 146.269 | 34324.520 | 40452.199 | 26.007 |
| 27.507 | 29.134 | 1.019 | |
| 10/19/2016 6:30:00 AM | 549000.000 | 64.929 | 17.069 |
| 146.258 | 34297.875 | 40421.363 | 25.985 |
| 27.487 | 29.156 | 1.019 | |
| 10/19/2016 6:45:00 AM | 549900.000 | 64.931 | 17.068 |
| 146.264 | 34286.438 | 40408.129 | 25.976 |
| 27.478 | 29.166 | 1.019 | |
| 10/19/2016 7:00:00 AM | 550800.000 | 64.929 | 17.069 |
| 146.260 | 34267.918 | 40386.059 | 25.960 |
| 27.463 | 29.182 | 1.019 | |
| 10/19/2016 7:15:00 AM | 551700.000 | 64.926 | 17.069 |
| 146.252 | 34300.914 | 40424.711 | 25.987 |
| 27.489 | 29.154 | 1.019 | |
| 10/19/2016 7:30:00 AM | 552600.000 | 64.926 | 17.069 |
| 146.252 | 34314.430 | 40440.875 | 25.999 |
| 27.500 | 29.142 | 1.019 | |
| 10/19/2016 7:45:00 AM | 553500.000 | 64.929 | 17.068 |
| 146.259 | 34293.668 | 40416.484 | 25.981 |
| 27.483 | 29.160 | 1.019 | |
| 10/19/2016 8:00:00 AM | 554400.000 | 64.928 | 17.068 |
| 146.258 | 34295.633 | 40418.797 | 25.983 |
| 27.485 | 29.158 | 1.019 | |
| 10/19/2016 8:15:00 AM | 555300.000 | 64.932 | 17.068 |
| 146.266 | 34292.063 | 40414.672 | 25.980 |
| 27.482 | 29.161 | 1.019 | |
| 10/19/2016 8:30:00 AM | 556200.000 | 64.930 | 17.068 |

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| 146.262 | 34290.922 | 40413.246 | 25.979 |
| 27.481 | 29.162 | 1.019 | |
| 10/19/2016 8:45:00 AM | 557100.000 | 64.931 | 17.069 |
| 146.264 | 34306.484 | 40430.941 | 25.992 |
| 27.493 | 29.149 | 1.019 | |
| 10/19/2016 9:00:00 AM | 558000.000 | 64.935 | 17.068 |
| 146.273 | 34310.145 | 40436.145 | 25.995 |
| 27.497 | 29.146 | 1.019 | |
| 10/19/2016 9:15:00 AM | 558900.000 | 64.939 | 17.069 |
| 146.282 | 34314.023 | 40440.000 | 25.998 |
| 27.499 | 29.143 | 1.019 | |
| 10/19/2016 9:30:00 AM | 559800.000 | 64.939 | 17.068 |
| 146.281 | 34314.441 | 40441.285 | 25.999 |
| 27.500 | 29.142 | 1.019 | |
| 10/19/2016 9:45:00 AM | 560700.000 | 64.945 | 17.068 |
| 146.294 | 34307.273 | 40432.922 | 25.993 |
| 27.494 | 29.148 | 1.019 | |
| 10/19/2016 10:00:00 AM | 561600.000 | 64.952 | 17.068 |
| 146.310 | 34298.699 | 40422.578 | 25.986 |
| 27.487 | 29.156 | 1.019 | |
| 10/19/2016 10:15:00 AM | 562500.000 | 64.950 | 17.069 |
| 146.307 | 34314.176 | 40440.574 | 25.999 |
| 27.500 | 29.142 | 1.019 | |
| 10/19/2016 10:30:00 AM | 563400.000 | 64.955 | 17.069 |
| 146.317 | 34306.469 | 40431.410 | 25.992 |
| 27.493 | 29.149 | 1.019 | |
| 10/19/2016 10:45:00 AM | 564300.000 | 64.959 | 17.069 |
| 146.326 | 34301.891 | 40425.609 | 25.988 |
| 27.489 | 29.153 | 1.019 | |
| 10/19/2016 11:00:00 AM | 565200.000 | 64.962 | 17.068 |
| 146.333 | 34294.641 | 40417.797 | 25.982 |
| 27.484 | 29.159 | 1.019 | |
| 10/19/2016 11:15:00 AM | 566100.000 | 64.968 | 17.069 |
| 146.346 | 34302.699 | 40426.723 | 25.989 |
| 27.490 | 29.152 | 1.019 | |
| 10/19/2016 11:30:00 AM | 567000.000 | 64.977 | 17.069 |
| 146.366 | 34287.625 | 40408.563 | 25.976 |
| 27.478 | 29.165 | 1.019 | |
| 10/19/2016 11:45:00 AM | 567900.000 | 64.976 | 17.069 |
| 146.365 | 34301.242 | 40425.332 | 25.988 |
| 27.489 | 29.153 | 1.019 | |
| 10/19/2016 12:00:00 PM | 568800.000 | 64.981 | 17.069 |
| 146.377 | 34291.145 | 40412.789 | 25.979 |
| 27.481 | 29.162 | 1.019 | |
| 10/19/2016 12:15:00 PM | 569700.000 | 64.984 | 17.069 |
| 146.384 | 34305.797 | 40430.535 | 25.991 |
| 27.493 | 29.150 | 1.019 | |
| 10/19/2016 12:30:00 PM | 570600.000 | 64.996 | 17.069 |
| 146.409 | 34291.066 | 40413.340 | 25.979 |
| 27.481 | 29.162 | 1.019 | |
| 10/19/2016 12:45:00 PM | 571500.000 | 64.997 | 17.068 |
| 146.411 | 34302.547 | 40427.027 | 25.989 |
| 27.490 | 29.152 | 1.019 | |
| 10/19/2016 1:00:00 PM | 572400.000 | 65.000 | 17.068 |

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| 146.419 | 34311.598 | 40437.613 | 25.997 |
| 27.498 | 29.145 | 1.019 | |
| 10/19/2016 1:15:00 PM | 573300.000 | 65.002 | 17.069 |
| 146.422 | 34322.906 | 40450.379 | 26.006 |
| 27.506 | 29.135 | 1.019 | |
| 10/19/2016 1:30:00 PM | 574200.000 | 65.004 | 17.069 |
| 146.428 | 34319.965 | 40447.316 | 26.003 |
| 27.504 | 29.138 | 1.019 | |
| 10/19/2016 1:45:00 PM | 575100.000 | 65.012 | 17.069 |
| 146.446 | 34309.996 | 40435.164 | 25.995 |
| 27.496 | 29.146 | 1.019 | |
| 10/19/2016 2:00:00 PM | 576000.000 | 65.007 | 17.069 |
| 146.434 | 34313.102 | 40439.145 | 25.998 |
| 27.499 | 29.143 | 1.019 | |
| 10/19/2016 2:15:00 PM | 576900.000 | 65.010 | 17.069 |
| 146.441 | 34321.594 | 40449.082 | 26.005 |
| 27.505 | 29.136 | 1.019 | |
| 10/19/2016 2:30:00 PM | 577800.000 | 65.009 | 17.069 |
| 146.440 | 34299.516 | 40422.652 | 25.986 |
| 27.487 | 29.155 | 1.019 | |
| 10/19/2016 2:45:00 PM | 578700.000 | 65.015 | 17.069 |
| 146.452 | 34312.199 | 40437.852 | 25.997 |
| 27.498 | 29.144 | 1.019 | |
| 10/19/2016 3:00:00 PM | 579600.000 | 65.007 | 17.069 |
| 146.435 | 34298.223 | 40421.289 | 25.985 |
| 27.486 | 29.156 | 1.019 | |
| 10/19/2016 3:15:00 PM | 580500.000 | 65.006 | 17.069 |
| 146.433 | 34295.738 | 40418.359 | 25.983 |
| 27.484 | 29.158 | 1.019 | |
| 10/19/2016 3:30:00 PM | 581400.000 | 65.006 | 17.069 |
| 146.432 | 34312.309 | 40437.891 | 25.997 |
| 27.498 | 29.144 | 1.019 | |
| 10/19/2016 3:45:00 PM | 582300.000 | 65.002 | 17.068 |
| 146.424 | 34333.090 | 40462.941 | 26.015 |
| 27.515 | 29.126 | 1.019 | |
| 10/19/2016 4:00:00 PM | 583200.000 | 64.996 | 17.069 |
| 146.410 | 34300.914 | 40424.945 | 25.988 |
| 27.489 | 29.154 | 1.019 | |
| 10/19/2016 4:15:00 PM | 584100.000 | 64.989 | 17.069 |
| 146.393 | 34316.645 | 40443.320 | 26.001 |
| 27.501 | 29.140 | 1.019 | |
| 10/19/2016 4:30:00 PM | 585000.000 | 64.988 | 17.069 |
| 146.391 | 34303.320 | 40427.297 | 25.989 |
| 27.491 | 29.152 | 1.019 | |
| 10/19/2016 4:45:00 PM | 585900.000 | 64.979 | 17.068 |
| 146.372 | 34298.934 | 40422.688 | 25.986 |
| 27.487 | 29.155 | 1.019 | |
| 10/19/2016 5:00:00 PM | 586800.000 | 64.974 | 17.069 |
| 146.360 | 34292.230 | 40414.711 | 25.980 |
| 27.482 | 29.161 | 1.019 | |
| 10/19/2016 5:15:00 PM | 587700.000 | 64.980 | 17.068 |
| 146.374 | 34314.082 | 40440.625 | 25.999 |
| 27.500 | 29.143 | 1.019 | |
| 10/19/2016 5:30:00 PM | 588600.000 | 64.960 | 17.068 |

| | | | |
|---|---|---|---|
| 146.329 | 34305.344 | 40430.324 | 25.991 |
| 27.493 | 29.150 | 1.019 | |
| 10/19/2016 5:45:00 PM | 589500.000 | 64.959 | 17.068 |
| 146.326 | 34294.512 | 40417.559 | 25.982 |
| 27.484 | 29.159 | 1.019 | |
| 10/19/2016 6:00:00 PM | 590400.000 | 64.948 | 17.068 |
| 146.301 | 34305.750 | 40430.891 | 25.992 |
| 27.493 | 29.150 | 1.019 | |
| 10/19/2016 6:15:00 PM | 591300.000 | 64.939 | 17.068 |
| 146.282 | 34276.141 | 40396.230 | 25.967 |
| 27.469 | 29.175 | 1.019 | |
| 10/19/2016 6:30:00 PM | 592200.000 | 64.933 | 17.068 |
| 146.267 | 34310.055 | 40436.516 | 25.996 |
| 27.497 | 29.146 | 1.019 | |
| 10/19/2016 6:45:00 PM | 593100.000 | 64.931 | 17.068 |
| 146.263 | 34311.215 | 40437.809 | 25.997 |
| 27.498 | 29.145 | 1.019 | |
| 10/19/2016 7:00:00 PM | 594000.000 | 64.920 | 17.068 |
| 146.238 | 34277.637 | 40398.309 | 25.969 |
| 27.471 | 29.174 | 1.019 | |
| 10/19/2016 7:15:00 PM | 594900.000 | 64.913 | 17.068 |
| 146.223 | 34311.875 | 40438.344 | 25.997 |
| 27.498 | 29.144 | 1.019 | |
| 10/19/2016 7:30:00 PM | 595800.000 | 64.908 | 17.067 |
| 146.213 | 34287.840 | 40410.660 | 25.977 |
| 27.479 | 29.165 | 1.019 | |
| 10/19/2016 7:45:00 PM | 596700.000 | 64.903 | 17.067 |
| 146.201 | 34296.332 | 40420.984 | 25.985 |
| 27.486 | 29.158 | 1.019 | |
| 10/19/2016 8:00:00 PM | 597600.000 | 64.895 | 17.068 |
| 146.181 | 34270.719 | 40390.234 | 25.963 |
| 27.465 | 29.179 | 1.019 | |
| 10/19/2016 8:15:00 PM | 598500.000 | 64.889 | 17.068 |
| 146.170 | 34282.473 | 40403.691 | 25.972 |
| 27.475 | 29.169 | 1.019 | |
| 10/19/2016 8:30:00 PM | 599400.000 | 64.893 | 17.067 |
| 146.178 | 34291.598 | 40414.930 | 25.980 |
| 27.482 | 29.162 | 1.019 | |
| 10/19/2016 8:45:00 PM | 600300.000 | 64.881 | 17.068 |
| 146.150 | 34284.465 | 40406.121 | 25.974 |
| 27.476 | 29.168 | 1.019 | |
| 10/19/2016 9:00:00 PM | 601200.000 | 64.881 | 17.067 |
| 146.150 | 34290.359 | 40413.539 | 25.979 |
| 27.481 | 29.163 | 1.019 | |
| 10/19/2016 9:15:00 PM | 602100.000 | 64.881 | 17.067 |
| 146.150 | 34294.578 | 40418.992 | 25.983 |
| 27.485 | 29.159 | 1.019 | |
| 10/19/2016 9:30:00 PM | 603000.000 | 64.875 | 17.068 |
| 146.136 | 34283.070 | 40404.715 | 25.973 |
| 27.475 | 29.169 | 1.019 | |
| 10/19/2016 9:45:00 PM | 603900.000 | 64.874 | 17.067 |
| 146.135 | 34277.016 | 40397.746 | 25.968 |
| 27.470 | 29.174 | 1.019 | |
| 10/19/2016 10:00:00 PM | 604800.000 | 64.878 | 17.068 |

| | | | |
|---|---|---|---|
| 146.144 | 34279.082 | 40399.855 | 25.970 |
| 27.472 | 29.172 | 1.019 | |
| 10/19/2016 10:15:00 PM | 605700.000 | 64.892 | 17.067 |
| 146.175 | 34299.020 | 40423.746 | 25.987 |
| 27.488 | 29.155 | 1.019 | |
| 10/19/2016 10:30:00 PM | 606600.000 | 64.881 | 17.068 |
| 146.152 | 34272.043 | 40391.398 | 25.964 |
| 27.466 | 29.178 | 1.019 | |
| 10/19/2016 10:45:00 PM | 607500.000 | 64.883 | 17.067 |
| 146.155 | 34283.129 | 40405.109 | 25.973 |
| 27.475 | 29.169 | 1.019 | |
| 10/19/2016 11:00:00 PM | 608400.000 | 64.882 | 17.067 |
| 146.154 | 34280.559 | 40401.922 | 25.971 |
| 27.473 | 29.171 | 1.019 | |
| 10/19/2016 11:15:00 PM | 609300.000 | 64.884 | 17.068 |
| 146.158 | 34290.063 | 40412.953 | 25.979 |
| 27.481 | 29.163 | 1.019 | |
| 10/19/2016 11:30:00 PM | 610200.000 | 64.886 | 17.067 |
| 146.163 | 34287.348 | 40409.992 | 25.977 |
| 27.479 | 29.165 | 1.019 | |
| 10/19/2016 11:45:00 PM | 611100.000 | 64.894 | 17.068 |
| 146.180 | 34285.473 | 40407.621 | 25.975 |
| 27.477 | 29.167 | 1.019 | |

Report Date: 10/21/2016 8:25:11 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-3S Pre Test_2016-10-20_09-00-17-984.wsl
Create Date: 10/20/2016 8:59:45 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-3S
Device Name:
Serial Number: 396211
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 3
Used Battery(%): 2

Log Configuration
Log Name: MPWSP MW-3S Pre Test
Created By: nreynolds
Computer Name: PROBOOK1
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 3/13/2015 6:58:13 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 3/13/2015 7:00:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: 44.5023 (ft)
Head Pressure: 19.756 (PSI)
Temperature: 17.1158 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

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Log Notes:

| Date and Time | Note |
|---|---|
| 3/13/2015 6:58:21 PM | Used Battery: 2% Used Memory: 6% User Name: nreynolds |
| 3/20/2015 4:02:16 PM | Log Download - Used Battery: 2% Used Memory: 6% User Name: GSSI |
| 3/27/2015 10:43:18 AM | Log Download - Used Battery: 2% Used Memory: 7% User Name: GSSI |
| 4/3/2015 1:47:20 PM | Log Download - Used Battery: 3% Used Memory: 7% User Name: ECrowWillard |
| 4/10/2015 8:44:27 AM | Log Download - Used Battery: 3% Used Memory: 9% User Name: ECrowWillard |
| 4/17/2015 12:18:16 PM | Log Download - Used Battery: 4% Used Memory: 9% User Name: AKieta |
| 4/21/2015 2:05:08 PM | Log Download - Used Battery: 4% Used Memory: 9% User Name: ECrowWillard |
| 4/24/2015 11:08:41 AM | Log Download - Used Battery: 4% Used Memory: 10% User Name: ECrowWillard |
| 4/24/2015 11:12:58 AM | Log Download - Used Battery: 4% Used Memory: 10% User Name: ECrowWillard |
| 4/30/2015 2:05:50 PM | Log Download - Used Battery: 4% Used Memory: 10% User Name: GSSI |
| 5/7/2015 12:30:29 PM | Log Download - Used Battery: 5% Used Memory: 12% User Name: ECrowWillard Interval - Start Time: 4/30/2015 2:00:00 PM |
| 5/14/2015 4:06:35 PM | Log Download - Used Battery: 5% Used Memory: 12% User Name: BDuarte |
| 5/21/2015 11:34:25 AM | Log Download - Used Battery: 5% Used Memory: 14% User Name: CShaw |
| 5/28/2015 9:06:35 AM | Log Download - Used Battery: 6% Used Memory: 14% User Name: ECrowWillard Interval - Start Time: 5/7/2015 12:30:00 PM |
| 6/4/2015 12:21:35 PM | Log Download - Used Battery: 6% Used Memory: 15% User Name: BDuarte |
| 6/11/2015 11:48:09 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: BDuarte Interval - Start Time: 6/4/2015 12:15:00 PM |
| 6/17/2015 8:00:33 AM | Log Download - Used Battery: 7% Used Memory: 17% User Name: CShaw Interval - Start Time: 5/21/2015 11:30:00 AM |
| 6/18/2015 8:47:14 AM | Log Download - Used Battery: 7% Used Memory: 17% User Name: CShaw |
| 6/25/2015 8:49:41 AM | Log Download - Used Battery: 7% Used Memory: 17% User Name: BDuarte Interval - Start Time: 6/11/2015 11:45:00 AM |
| 6/30/2015 11:08:57 AM | Log Download - Used Battery: 7% Used Memory: 18% User Name: BDuarte |
| 7/2/2015 9:20:45 AM | Log Download - Used Battery: 8% Used Memory: 18% User Name: CShaw |
| 7/7/2015 11:29:49 AM | Log Download - Used Battery: 8% Used Memory: 18% User Name: CShaw |
| 7/7/2015 11:41:02 AM | Log Download - Used Battery: 8% Used Memory: 18% User Name: CShaw |
| 7/9/2015 9:14:34 AM | Log Download - Used Battery: 8% Used Memory: 18% User Name: BDuarte Interval - Start Time: 6/30/2015 11:00:00 AM |
| 7/13/2015 12:23:25 PM | Log Download - Used Battery: 8% Used Memory: 20% User Name: BDuarte Interval - Start Time: 7/9/2015 9:00:00 AM |
| 7/16/2015 9:03:17 AM | Log Download - Used Battery: 8% Used Memory: 20% User Name: CShaw Interval - Start Time: 7/7/2015 11:30:00 AM |
| 7/23/2015 4:42:43 PM | Log Download - Used Battery: 9% Used Memory: 20% User Name: KMakar |
| 7/30/2015 10:25:24 AM | Log Download - Used Battery: 9% Used Memory: 21% User Name: BDuarte Interval - Start Time: 7/13/2015 12:15:00 PM |
| 8/6/2015 3:00:32 PM | Log Download - Used Battery: 10% Used Memory: 21% User Name: CShaw Interval - Start Time: 7/14/2015 2:15:00 PM Stop Time: 8/6/2015 1:30:00 PM |
| 8/13/2015 1:34:06 PM | Log Download - Used Battery: 10% Used Memory: 23% User Name: KMakar Interval - Start Time: 7/23/2015 4:30:00 PM |
| 8/20/2015 11:01:51 AM | Log Download - Used Battery: 10% Used Memory: 23% User Name: BDuarte Interval - Start Time: 7/30/2015 10:15:00 AM |
| 8/27/2015 10:58:35 AM | Log Download - Used Battery: 11% Used Memory: 25% User Name: KMakar Interval - Start Time: 8/13/2015 5:15:00 PM Stop Time: 8/27/2015 10:55:00 AM |
| 9/3/2015 9:39:18 AM | Log Download - Used Battery: 11% Used Memory: 25% User Name: CShaw Interval - Start Time: 8/1/2015 6:10:00 PM Stop Time: 9/3/2015 9:30:00 AM |

9/10/2015 11:32:29 AM Log Download - Used Battery: 11% Used Memory: 26% User Name: KMakar Interval - Start Time: 8/10/2015 8:30:00 AM Stop Time: 9/10/2015 11:30:00 AM
9/17/2015 10:53:29 AM Log Download - Used Battery: 12% Used Memory: 28% User Name: KMakar Interval - Start Time: 9/1/2015 5:30:00 AM Stop Time: 9/17/2015 10:55:00 AM
9/24/2015 9:32:11 AM Log Download - Used Battery: 12% Used Memory: 28% User Name: CShaw Interval - Start Time: 9/1/2015 5:30:00 PM Stop Time: 9/24/2015 9:00:00 AM
10/1/2015 2:15:31 PM Log Download - Used Battery: 12% Used Memory: 29% User Name: KMakar Interval - Start Time: 9/15/2015 7:30:00 AM Stop Time: 10/1/2015 2:15:00 PM
10/8/2015 10:29:24 AM Log Download - Used Battery: 13% Used Memory: 29% User Name: CShaw Interval - Start Time: 9/14/2015 5:30:00 PM Stop Time: 10/8/2015 10:30:00 PM
10/15/2015 1:16:08 PM Log Download - Used Battery: 13% Used Memory: 31% User Name: KMakar Interval - Start Time: 9/30/2015 7:30:00 AM Stop Time: 10/15/2015 1:15:00 PM
10/22/2015 11:17:58 AM Log Download - Used Battery: 13% Used Memory: 31% User Name: CShaw Interval - Start Time: 10/1/2015 3:05:00 AM Stop Time: 10/22/2015 12:15:00 PM
10/29/2015 3:30:30 PM Log Download - Used Battery: 14% Used Memory: 32% User Name: KMakar Interval - Start Time: 10/13/2015 6:15:00 AM Stop Time: 10/29/2015 3:30:00 PM
11/5/2015 2:29:05 PM Log Download - Used Battery: 14% Used Memory: 32% User Name: KMakar Interval - Start Time: 10/20/2015 7:45:00 AM Stop Time: 11/5/2015 2:30:00 PM
11/12/2015 10:01:46 AM Log Download - Used Battery: 15% Used Memory: 34% User Name: CShaw Interval - Start Time: 10/26/2015 1:00:00 PM Stop Time: 11/12/2015 10:00:00 AM
11/12/2015 10:03:57 AM Log Download - Used Battery: 15% Used Memory: 34% User Name: CShaw Interval - Start Time: 10/26/2015 1:00:00 PM Stop Time: 11/12/2015 10:00:00 AM
11/12/2015 10:11:46 AM Log Download - Used Battery: 15% Used Memory: 34% User Name: CShaw Interval - Start Time: 10/26/2015 1:00:00 PM Stop Time: 11/12/2015 10:00:00 AM
11/19/2015 3:27:59 PM Log Download - Used Battery: 15% Used Memory: 34% User Name: KMakar Interval - Start Time: 11/1/2015 7:00:00 AM Stop Time: 11/19/2015 3:30:00 PM
11/29/2015 9:54:20 AM Log Download - Used Battery: 15% Used Memory: 35% User Name: CShaw Interval - Start Time: 11/13/2015 1:00:00 AM Stop Time: 11/29/2015 10:45:00 AM
12/3/2015 11:09:04 AM Log Download - Used Battery: 16% Used Memory: 35% User Name: KMakar Interval - Start Time: 11/18/2015 7:00:00 AM Stop Time: 12/3/2015 11:08:00 AM
12/10/2015 9:22:13 AM Log Download - Used Battery: 16% Used Memory: 37% User Name: CShaw Interval - Start Time: 10/13/2015 1:45:00 AM Stop Time: 12/10/2015 10:15:00 AM
12/17/2015 10:49:45 AM Log Download - Used Battery: 16% Used Memory: 37% User Name: KMakar Interval - Start Time: 12/1/2015 12:00:00 PM Stop Time: 12/17/2015 10:45:00 AM
1/3/2016 10:43:45 AM Log Download - Used Battery: 17% Used Memory: 40% User Name: CShaw Interval - Start Time: 11/30/2015 1:00:00 AM Stop Time: 1/3/2016 11:30:00 AM
1/7/2016 10:40:19 AM Log Download - Used Battery: 17% Used Memory: 40% User Name: KMakar Interval - Start Time: 12/31/2015 10:00:00 AM Stop Time: 1/7/2016 10:45:00 AM
1/14/2016 8:38:26 AM Log Download - Used Battery: 18% Used Memory: 40% User Name: KMakar Interval - Start Time: 1/4/2016 10:00:00 AM Stop Time: 1/14/2016 8:30:00 AM
1/21/2016 12:00:30 PM Log Download - Used Battery: 18% Used Memory: 42% User Name: KMakar Interval - Start Time: 1/12/2016 11:00:00 AM Stop Time: 1/21/2016 12:00:00 PM
1/28/2016 2:16:17 PM Log Download - Used Battery: 19% Used Memory: 42% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 2:15:00 PM
2/4/2016 9:33:23 AM Log Download - Used Battery: 19% Used Memory: 43% User Name: CShaw Interval - Start Time: 12/31/2015 1:00:00 AM Stop Time: 2/4/2016 10:30:00 AM
2/11/2016 9:16:42 AM Log Download - Used Battery: 19% Used Memory: 45% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 9:15:00 AM
2/18/2016 9:09:02 AM Log Download - Used Battery: 20% Used Memory: 45% User Name: CShaw Interval - Start Time: 2/4/2016 5:30:00 PM Stop Time: 2/18/2016 10:00:00 AM
2/25/2016 12:22:33 PM Log Download - Used Battery: 20% Used Memory: 46% User Name: KMakar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 12:15:00 PM
3/3/2016 9:37:12 AM Log Download - Used Battery: 20% Used Memory: 46% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 10:30:00 AM
3/10/2016 10:21:09 AM Log Download - Used Battery: 21% Used Memory: 48% User Name: KMakar Interval -

Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 10:15:00 AM
3/17/2016 7:50:54 PM Log Download - Used Battery: 21% Used Memory: 48% User Name: SKuiper Interval - Start Time: 3/8/2016 9:00:00 AM Stop Time: 3/17/2016 7:45:00 PM
3/24/2016 1:10:13 PM Log Download - Used Battery: 21% Used Memory: 50% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 1:00:00 PM
3/31/2016 8:26:16 AM Log Download - Used Battery: 22% Used Memory: 50% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 9:00:00 AM
4/7/2016 1:15:37 PM Log Download - Used Battery: 22% Used Memory: 51% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 1:15:00 PM

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Log Data:
Record Count: 715
Sensors: 1
1 - 396211: PCTD 100 PSIG (70m/231ft)
Time Zone: Pacific Daylight Time

| | | Sensor: PCTD(G) 231ft SN#: 396211 | Sensor: PCTD(G) 231ft SN#: 396211 | Sensor: PCTD(G) 231ft SN#: 396211 | Sensor: PCTD(G) 231ft SN#: 396211 | Sensor: PCTD(G) 231ft SN#: 396211 | Sensor: PCTD(G) 231ft SN#: 396211 | Sensor: PCTD(G) 231ft SN#: 396211 | Sensor: PCTD(G) 231ft SN#: 396211 |
|---|---|---|---|---|---|---|---|---|---|
| Elapsed Time | | | | | | | | | |
| Date and Time | Seconds | Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppt) | Resistivity (ohm-cm) | Water Density (g/cm3) |
| 10/13/2016 12:00:00 AM | 7200.000 | 18.442 | 17.001 | 41.542 | 34159.691 | 40319.684 | 25.909 | 27.417 | 29.274 | 1.019 |
| 10/13/2016 12:15:00 AM | 8100.000 | 18.443 | 17.000 | 41.545 | 34129.750 | 40285.535 | 25.885 | 27.394 | 29.300 | 1.019 |
| 10/13/2016 12:30:00 AM | 9000.000 | 18.444 | 17.000 | 41.546 | 34111.723 | 40263.625 | 25.870 | 27.379 | 29.315 | 1.019 |
| 10/13/2016 12:45:00 AM | 9900.000 | 18.443 | 17.000 | 41.545 | 34114.012 | 40266.801 | 25.872 | 27.381 | 29.313 | 1.019 |
| 10/13/2016 1:00:00 AM | 10800.000 | 18.447 | 16.999 | 41.553 | 34108.133 | 40260.492 | 25.867 | 27.377 | 29.319 | 1.019 |
| 10/13/2016 1:15:00 AM | 11700.000 | 18.445 | 17.000 | 41.550 | 34136.445 | 40293.680 | 25.891 | 27.400 | 29.294 | 1.019 |
| 10/13/2016 1:30:00 AM | 12600.000 | 18.448 | 16.999 | 41.556 | 34125.984 | 40281.891 | 25.882 | 27.392 | 29.303 | 1.019 |
| 10/13/2016 1:45:00 AM | 13500.000 | 18.446 | 16.998 | | | | | | | |

| | | | |
|---|---|---|---|
| 41.552 | 34168.203 | 40332.121 | 25.918 |
| 27.426 | 29.267 | 1.019 | |
| 10/13/2016 2:00:00 AM | 14400.000 | 18.446 | 16.998 |
| 41.552 | 34178.566 | 40344.445 | 25.927 |
| 27.434 | 29.258 | 1.019 | |
| 10/13/2016 2:15:00 AM | 15300.000 | 18.443 | 16.998 |
| 41.545 | 34148.250 | 40308.969 | 25.902 |
| 27.410 | 29.284 | 1.019 | |
| 10/13/2016 2:30:00 AM | 16200.000 | 18.446 | 16.998 |
| 41.552 | 34113.684 | 40268.090 | 25.873 |
| 27.382 | 29.314 | 1.019 | |
| 10/13/2016 2:45:00 AM | 17100.000 | 18.447 | 16.998 |
| 41.555 | 34126.250 | 40282.840 | 25.883 |
| 27.392 | 29.303 | 1.019 | |
| 10/13/2016 3:00:00 AM | 18000.000 | 18.449 | 16.998 |
| 41.558 | 34115.629 | 40270.152 | 25.874 |
| 27.384 | 29.312 | 1.019 | |
| 10/13/2016 3:15:00 AM | 18900.000 | 18.446 | 16.998 |
| 41.551 | 34154.617 | 40316.488 | 25.907 |
| 27.415 | 29.279 | 1.019 | |
| 10/13/2016 3:30:00 AM | 19800.000 | 18.450 | 16.999 |
| 41.561 | 34136.086 | 40293.648 | 25.891 |
| 27.400 | 29.295 | 1.019 | |
| 10/13/2016 3:45:00 AM | 20700.000 | 18.451 | 16.998 |
| 41.563 | 34121.145 | 40276.898 | 25.879 |
| 27.388 | 29.307 | 1.019 | |
| 10/13/2016 4:00:00 AM | 21600.000 | 18.448 | 16.997 |
| 41.555 | 34149.691 | 40311.711 | 25.904 |
| 27.412 | 29.283 | 1.019 | |
| 10/13/2016 4:15:00 AM | 22500.000 | 18.449 | 16.997 |
| 41.559 | 34138.813 | 40298.461 | 25.894 |
| 27.403 | 29.292 | 1.019 | |
| 10/13/2016 4:30:00 AM | 23400.000 | 18.452 | 16.999 |
| 41.565 | 34158.316 | 40319.660 | 25.909 |
| 27.417 | 29.275 | 1.019 | |
| 10/13/2016 4:45:00 AM | 24300.000 | 18.450 | 17.002 |
| 41.560 | 34169.434 | 40330.145 | 25.917 |
| 27.424 | 29.266 | 1.019 | |
| 10/13/2016 5:00:00 AM | 25200.000 | 18.450 | 17.006 |
| 41.561 | 34118.320 | 40266.625 | 25.872 |
| 27.381 | 29.310 | 1.019 | |
| 10/13/2016 5:15:00 AM | 26100.000 | 18.449 | 17.006 |
| 41.557 | 34137.438 | 40289.027 | 25.888 |
| 27.397 | 29.293 | 1.019 | |
| 10/13/2016 5:30:00 AM | 27000.000 | 18.455 | 17.006 |
| 41.571 | 34137.629 | 40288.863 | 25.888 |
| 27.396 | 29.293 | 1.019 | |
| 10/13/2016 5:45:00 AM | 27900.000 | 18.454 | 17.007 |
| 41.570 | 34129.324 | 40278.504 | 25.880 |
| 27.389 | 29.300 | 1.019 | |
| 10/13/2016 6:00:00 AM | 28800.000 | 18.451 | 17.007 |
| 41.562 | 34140.746 | 40291.980 | 25.890 |
| 27.399 | 29.291 | 1.019 | |
| 10/13/2016 6:15:00 AM | 29700.000 | 18.452 | 17.007 |
| 41.565 | 34083.184 | 40224.047 | 25.842 |

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| 27.352 | 29.340 | 1.018 | |
| 10/13/2016 6:30:00 AM | 30600.000 | 18.449 | 17.007 |
| 41.559 | 34089.383 | 40231.363 | 25.847 |
| 27.357 | 29.335 | 1.019 | |
| 10/13/2016 6:45:00 AM | 31500.000 | 18.453 | 17.007 |
| 41.567 | 34099.605 | 40243.340 | 25.855 |
| 27.365 | 29.326 | 1.019 | |
| 10/13/2016 7:00:00 AM | 32400.000 | 18.456 | 17.007 |
| 41.574 | 34096.320 | 40239.461 | 25.853 |
| 27.363 | 29.329 | 1.019 | |
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| 41.570 | 34103.047 | 40247.883 | 25.859 |
| 27.369 | 29.323 | 1.019 | |
| 10/13/2016 7:30:00 AM | 34200.000 | 18.457 | 17.007 |
| 41.577 | 34109.035 | 40254.629 | 25.863 |
| 27.373 | 29.318 | 1.019 | |
| 10/13/2016 7:45:00 AM | 35100.000 | 18.457 | 17.007 |
| 41.577 | 34086.781 | 40227.977 | 25.845 |
| 27.355 | 29.337 | 1.019 | |
| 10/13/2016 8:00:00 AM | 36000.000 | 18.454 | 17.007 |
| 41.569 | 34136.484 | 40286.703 | 25.886 |
| 27.395 | 29.294 | 1.019 | |
| 10/13/2016 8:15:00 AM | 36900.000 | 18.449 | 17.007 |
| 41.559 | 34109.574 | 40255.352 | 25.864 |
| 27.374 | 29.317 | 1.019 | |
| 10/13/2016 8:30:00 AM | 37800.000 | 18.459 | 17.007 |
| 41.582 | 34083.063 | 40223.504 | 25.841 |
| 27.352 | 29.340 | 1.018 | |
| 10/13/2016 8:45:00 AM | 38700.000 | 18.454 | 17.007 |
| 41.569 | 34109.895 | 40255.324 | 25.864 |
| 27.374 | 29.317 | 1.019 | |
| 10/13/2016 9:00:00 AM | 39600.000 | 18.453 | 17.007 |
| 41.566 | 34086.570 | 40228.281 | 25.845 |
| 27.355 | 29.337 | 1.019 | |
| 10/13/2016 9:15:00 AM | 40500.000 | 18.460 | 17.007 |
| 41.583 | 34106.844 | 40252.207 | 25.862 |
| 27.372 | 29.320 | 1.019 | |
| 10/13/2016 9:30:00 AM | 41400.000 | 18.459 | 17.007 |
| 41.581 | 34080.418 | 40221.180 | 25.840 |
| 27.350 | 29.342 | 1.018 | |
| 10/13/2016 9:45:00 AM | 42300.000 | 18.458 | 17.006 |
| 41.578 | 34118.434 | 40266.121 | 25.872 |
| 27.381 | 29.310 | 1.019 | |
| 10/13/2016 10:00:00 AM | 43200.000 | 18.458 | 17.008 |
| 41.579 | 34124.313 | 40271.707 | 25.876 |
| 27.385 | 29.305 | 1.019 | |
| 10/13/2016 10:15:00 AM | 44100.000 | 18.457 | 17.006 |
| 41.575 | 34045.184 | 40180.230 | 25.810 |
| 27.323 | 29.373 | 1.018 | |
| 10/13/2016 10:30:00 AM | 45000.000 | 18.455 | 17.007 |
| 41.572 | 34087.266 | 40229.258 | 25.845 |
| 27.356 | 29.336 | 1.019 | |
| 10/13/2016 10:45:00 AM | 45900.000 | 18.454 | 17.005 |
| 41.570 | 34108.547 | 40255.961 | 25.864 |
| 27.374 | 29.318 | 1.019 | |

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| 10/13/2016 11:00:00 AM | 46800.000 | 18.454 | 17.004 |
| 41.570 | 34077.109 | 40219.352 | 25.838 |
| 27.349 | 29.345 | 1.018 | |
| 10/13/2016 11:15:00 AM | 47700.000 | 18.455 | 17.003 |
| 41.572 | 34105.688 | 40254.258 | 25.863 |
| 27.373 | 29.321 | 1.019 | |
| 10/13/2016 11:30:00 AM | 48600.000 | 18.456 | 17.003 |
| 41.574 | 34108.000 | 40257.227 | 25.865 |
| 27.375 | 29.319 | 1.019 | |
| 10/13/2016 11:45:00 AM | 49500.000 | 18.453 | 17.003 |
| 41.568 | 34094.848 | 40241.863 | 25.854 |
| 27.364 | 29.330 | 1.019 | |
| 10/13/2016 12:00:00 PM | 50400.000 | 18.455 | 17.002 |
| 41.572 | 34092.461 | 40239.211 | 25.852 |
| 27.363 | 29.332 | 1.019 | |
| 10/13/2016 12:15:00 PM | 51300.000 | 18.457 | 17.002 |
| 41.577 | 34084.660 | 40230.156 | 25.846 |
| 27.357 | 29.339 | 1.019 | |
| 10/13/2016 12:30:00 PM | 52200.000 | 18.456 | 17.000 |
| 41.574 | 34098.246 | 40247.875 | 25.858 |
| 27.369 | 29.327 | 1.019 | |
| 10/13/2016 12:45:00 PM | 53100.000 | 18.455 | 17.003 |
| 41.571 | 34087.570 | 40233.273 | 25.848 |
| 27.359 | 29.336 | 1.019 | |
| 10/13/2016 1:00:00 PM | 54000.000 | 18.457 | 17.000 |
| 41.575 | 34120.859 | 40274.480 | 25.877 |
| 27.387 | 29.308 | 1.019 | |
| 10/13/2016 1:15:00 PM | 54900.000 | 18.454 | 17.000 |
| 41.569 | 34112.230 | 40264.223 | 25.870 |
| 27.380 | 29.315 | 1.019 | |
| 10/13/2016 1:30:00 PM | 55800.000 | 18.454 | 17.000 |
| 41.570 | 34108.543 | 40259.945 | 25.867 |
| 27.377 | 29.318 | 1.019 | |
| 10/13/2016 1:45:00 PM | 56700.000 | 18.453 | 17.000 |
| 41.566 | 34077.613 | 40224.234 | 25.841 |
| 27.352 | 29.345 | 1.019 | |
| 10/13/2016 2:00:00 PM | 57600.000 | 18.455 | 17.001 |
| 41.571 | 34099.109 | 40248.492 | 25.859 |
| 27.369 | 29.326 | 1.019 | |
| 10/13/2016 2:15:00 PM | 58500.000 | 18.455 | 17.000 |
| 41.572 | 34103.832 | 40254.383 | 25.863 |
| 27.373 | 29.322 | 1.019 | |
| 10/13/2016 2:30:00 PM | 59400.000 | 18.456 | 17.000 |
| 41.575 | 34112.129 | 40264.816 | 25.870 |
| 27.380 | 29.315 | 1.019 | |
| 10/13/2016 2:45:00 PM | 60300.000 | 18.455 | 16.999 |
| 41.571 | 34118.102 | 40272.348 | 25.876 |
| 27.385 | 29.310 | 1.019 | |
| 10/13/2016 3:00:00 PM | 61200.000 | 18.459 | 16.999 |
| 41.581 | 34130.914 | 40287.625 | 25.887 |
| 27.396 | 29.299 | 1.019 | |
| 10/13/2016 3:15:00 PM | 62100.000 | 18.459 | 17.001 |
| 41.581 | 34086.285 | 40232.961 | 25.848 |
| 27.358 | 29.337 | 1.019 | |
| 10/13/2016 3:30:00 PM | 63000.000 | 18.459 | 16.999 |

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| 41.582 | 34094.023 | 40244.082 | 25.856 |
| 27.366 | 29.331 | 1.019 | |
| 10/13/2016 3:45:00 PM | 63900.000 | 18.458 | 16.999 |
| 41.578 | 34127.059 | 40283.234 | 25.883 |
| 27.393 | 29.302 | 1.019 | |
| 10/13/2016 4:00:00 PM | 64800.000 | 18.459 | 16.999 |
| 41.580 | 34141.809 | 40300.484 | 25.896 |
| 27.404 | 29.290 | 1.019 | |
| 10/13/2016 4:15:00 PM | 65700.000 | 18.458 | 17.000 |
| 41.578 | 34105.648 | 40257.090 | 25.865 |
| 27.375 | 29.321 | 1.019 | |
| 10/13/2016 4:30:00 PM | 66600.000 | 18.460 | 16.999 |
| 41.582 | 34103.496 | 40255.500 | 25.864 |
| 27.374 | 29.323 | 1.019 | |
| 10/13/2016 4:45:00 PM | 67500.000 | 18.461 | 16.999 |
| 41.586 | 34099.613 | 40250.836 | 25.860 |
| 27.371 | 29.326 | 1.019 | |
| 10/13/2016 5:00:00 PM | 68400.000 | 18.458 | 17.000 |
| 41.579 | 34111.152 | 40263.023 | 25.869 |
| 27.379 | 29.316 | 1.019 | |
| 10/13/2016 5:15:00 PM | 69300.000 | 18.458 | 17.001 |
| 41.579 | 34115.086 | 40267.352 | 25.872 |
| 27.382 | 29.313 | 1.019 | |
| 10/13/2016 5:30:00 PM | 70200.000 | 18.455 | 17.004 |
| 41.572 | 34153.809 | 40310.352 | 25.903 |
| 27.411 | 29.279 | 1.019 | |
| 10/13/2016 5:45:00 PM | 71100.000 | 18.463 | 17.005 |
| 41.590 | 34143.375 | 40297.066 | 25.894 |
| 27.402 | 29.288 | 1.019 | |
| 10/13/2016 6:00:00 PM | 72000.000 | 18.459 | 17.006 |
| 41.580 | 34148.281 | 40301.348 | 25.897 |
| 27.405 | 29.284 | 1.019 | |
| 10/13/2016 6:15:00 PM | 72900.000 | 18.458 | 17.007 |
| 41.579 | 34198.273 | 40359.875 | 25.938 |
| 27.445 | 29.241 | 1.019 | |
| 10/13/2016 6:30:00 PM | 73800.000 | 18.463 | 17.008 |
| 41.591 | 34136.109 | 40285.949 | 25.886 |
| 27.394 | 29.294 | 1.019 | |
| 10/13/2016 6:45:00 PM | 74700.000 | 18.459 | 17.008 |
| 41.580 | 34119.184 | 40265.973 | 25.872 |
| 27.381 | 29.309 | 1.019 | |
| 10/13/2016 7:00:00 PM | 75600.000 | 18.464 | 17.008 |
| 41.593 | 34115.371 | 40261.227 | 25.868 |
| 27.378 | 29.312 | 1.019 | |
| 10/13/2016 7:15:00 PM | 76500.000 | 18.459 | 17.007 |
| 41.581 | 34116.160 | 40262.719 | 25.869 |
| 27.379 | 29.312 | 1.019 | |
| 10/13/2016 7:30:00 PM | 77400.000 | 18.461 | 17.007 |
| 41.584 | 34112.895 | 40258.953 | 25.867 |
| 27.376 | 29.314 | 1.019 | |
| 10/13/2016 7:45:00 PM | 78300.000 | 18.463 | 17.008 |
| 41.590 | 34098.941 | 40241.605 | 25.854 |
| 27.364 | 29.326 | 1.019 | |
| 10/13/2016 8:00:00 PM | 79200.000 | 18.462 | 17.007 |
| 41.588 | 34119.508 | 40266.598 | 25.872 |

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| 27.381 | 29.309 | 1.019 | |
| 10/13/2016 8:15:00 PM | 80100.000 | 18.462 | 17.007 |
| 41.588 | 34145.254 | 40296.898 | 25.894 |
| 27.402 | 29.287 | 1.019 | |
| 10/13/2016 8:30:00 PM | 81000.000 | 18.464 | 17.007 |
| 41.593 | 34101.922 | 40245.762 | 25.857 |
| 27.367 | 29.324 | 1.019 | |
| 10/13/2016 8:45:00 PM | 81900.000 | 18.469 | 17.008 |
| 41.603 | 34112.539 | 40258.051 | 25.866 |
| 27.375 | 29.315 | 1.019 | |
| 10/13/2016 9:00:00 PM | 82800.000 | 18.461 | 17.008 |
| 41.584 | 34105.465 | 40249.223 | 25.860 |
| 27.369 | 29.321 | 1.019 | |
| 10/13/2016 9:15:00 PM | 83700.000 | 18.464 | 17.008 |
| 41.593 | 34081.867 | 40222.016 | 25.840 |
| 27.351 | 29.341 | 1.018 | |
| 10/13/2016 9:30:00 PM | 84600.000 | 18.459 | 17.007 |
| 41.582 | 34114.508 | 40261.250 | 25.868 |
| 27.378 | 29.313 | 1.019 | |
| 10/13/2016 9:45:00 PM | 85500.000 | 18.466 | 17.007 |
| 41.596 | 34144.082 | 40296.313 | 25.893 |
| 27.401 | 29.288 | 1.019 | |
| 10/13/2016 10:00:00 PM | 86400.000 | 18.464 | 17.006 |
| 41.592 | 34135.898 | 40287.051 | 25.886 |
| 27.395 | 29.295 | 1.019 | |
| 10/13/2016 10:15:00 PM | 87300.000 | 18.465 | 17.006 |
| 41.593 | 34142.910 | 40295.645 | 25.893 |
| 27.401 | 29.289 | 1.019 | |
| 10/13/2016 10:30:00 PM | 88200.000 | 18.467 | 17.005 |
| 41.600 | 34155.809 | 40311.832 | 25.904 |
| 27.412 | 29.278 | 1.019 | |
| 10/13/2016 10:45:00 PM | 89100.000 | 18.469 | 17.005 |
| 41.603 | 34134.820 | 40286.969 | 25.886 |
| 27.395 | 29.296 | 1.019 | |
| 10/13/2016 11:00:00 PM | 90000.000 | 18.463 | 17.004 |
| 41.591 | 34165.535 | 40324.262 | 25.913 |
| 27.420 | 29.269 | 1.019 | |
| 10/13/2016 11:15:00 PM | 90900.000 | 18.467 | 17.003 |
| 41.598 | 34124.258 | 40276.418 | 25.879 |
| 27.388 | 29.305 | 1.019 | |
| 10/13/2016 11:30:00 PM | 91800.000 | 18.470 | 17.002 |
| 41.605 | 34151.730 | 40309.563 | 25.902 |
| 27.411 | 29.281 | 1.019 | |
| 10/13/2016 11:45:00 PM | 92700.000 | 18.469 | 17.002 |
| 41.603 | 34127.789 | 40281.063 | 25.882 |
| 27.391 | 29.302 | 1.019 | |
| 10/14/2016 12:00:00 AM | 93600.000 | 18.467 | 17.002 |
| 41.598 | 34156.242 | 40315.133 | 25.906 |
| 27.414 | 29.277 | 1.019 | |
| 10/14/2016 12:15:00 AM | 94500.000 | 18.472 | 17.001 |
| 41.610 | 34144.840 | 40302.469 | 25.897 |
| 27.406 | 29.287 | 1.019 | |
| 10/14/2016 12:30:00 AM | 95400.000 | 18.472 | 17.002 |
| 41.611 | 34130.023 | 40284.184 | 25.884 |
| 27.393 | 29.300 | 1.019 | |

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| 10/14/2016 12:45:00 AM | 96300.000 | 18.471 | 17.002 |
| 41.608 | 34165.730 | 40326.250 | 25.914 |
| 27.422 | 29.269 | 1.019 | |
| 10/14/2016 1:00:00 AM | 97200.000 | 18.473 | 17.002 |
| 41.613 | 34145.871 | 40302.496 | 25.897 |
| 27.406 | 29.286 | 1.019 | |
| 10/14/2016 1:15:00 AM | 98100.000 | 18.472 | 16.999 |
| 41.611 | 34132.441 | 40289.027 | 25.888 |
| 27.397 | 29.298 | 1.019 | |
| 10/14/2016 1:30:00 AM | 99000.000 | 18.472 | 17.000 |
| 41.610 | 34132.176 | 40288.637 | 25.887 |
| 27.396 | 29.298 | 1.019 | |
| 10/14/2016 1:45:00 AM | 99900.000 | 18.471 | 17.000 |
| 41.609 | 34160.492 | 40321.824 | 25.911 |
| 27.419 | 29.274 | 1.019 | |
| 10/14/2016 2:00:00 AM | 100800.000 | 18.476 | 17.000 |
| 41.618 | 34137.973 | 40295.395 | 25.892 |
| 27.401 | 29.293 | 1.019 | |
| 10/14/2016 2:15:00 AM | 101700.000 | 18.474 | 17.000 |
| 41.615 | 34113.320 | 40265.984 | 25.871 |
| 27.381 | 29.314 | 1.019 | |
| 10/14/2016 2:30:00 AM | 102600.000 | 18.476 | 17.000 |
| 41.620 | 34125.086 | 40279.715 | 25.881 |
| 27.390 | 29.304 | 1.019 | |
| 10/14/2016 2:45:00 AM | 103500.000 | 18.474 | 16.999 |
| 41.614 | 34109.035 | 40261.398 | 25.868 |
| 27.378 | 29.318 | 1.019 | |
| 10/14/2016 3:00:00 AM | 104400.000 | 18.475 | 16.999 |
| 41.617 | 34225.285 | 40398.777 | 25.966 |
| 27.471 | 29.218 | 1.019 | |
| 10/14/2016 3:15:00 AM | 105300.000 | 18.475 | 17.000 |
| 41.616 | 34187.496 | 40353.852 | 25.934 |
| 27.441 | 29.250 | 1.019 | |
| 10/14/2016 3:30:00 AM | 106200.000 | 18.480 | 16.999 |
| 41.629 | 34143.926 | 40303.223 | 25.898 |
| 27.406 | 29.288 | 1.019 | |
| 10/14/2016 3:45:00 AM | 107100.000 | 18.481 | 16.999 |
| 41.631 | 34144.652 | 40303.844 | 25.898 |
| 27.407 | 29.287 | 1.019 | |
| 10/14/2016 4:00:00 AM | 108000.000 | 18.476 | 16.998 |
| 41.620 | 34172.027 | 40337.105 | 25.922 |
| 27.429 | 29.264 | 1.019 | |
| 10/14/2016 4:15:00 AM | 108900.000 | 18.481 | 16.999 |
| 41.629 | 34138.457 | 40296.613 | 25.893 |
| 27.402 | 29.292 | 1.019 | |
| 10/14/2016 4:30:00 AM | 109800.000 | 18.481 | 16.998 |
| 41.631 | 34158.281 | 40320.410 | 25.910 |
| 27.418 | 29.275 | 1.019 | |
| 10/14/2016 4:45:00 AM | 110700.000 | 18.483 | 16.998 |
| 41.635 | 34188.945 | 40357.324 | 25.936 |
| 27.443 | 29.249 | 1.019 | |
| 10/14/2016 5:00:00 AM | 111600.000 | 18.480 | 16.998 |
| 41.627 | 34182.445 | 40349.723 | 25.931 |
| 27.438 | 29.255 | 1.019 | |
| 10/14/2016 5:15:00 AM | 112500.000 | 18.482 | 16.998 |

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| 41.632 | 34190.918 | 40359.727 | 25.938 |
| 27.445 | 29.248 | 1.019 | |
| 10/14/2016 5:30:00 AM | 113400.000 | 18.484 | 16.998 |
| 41.636 | 34157.609 | 40320.086 | 25.910 |
| 27.418 | 29.276 | 1.019 | |
| 10/14/2016 5:45:00 AM | 114300.000 | 18.485 | 16.997 |
| 41.639 | 34177.832 | 40344.930 | 25.927 |
| 27.435 | 29.259 | 1.019 | |
| 10/14/2016 6:00:00 AM | 115200.000 | 18.485 | 16.997 |
| 41.640 | 34189.887 | 40359.070 | 25.937 |
| 27.444 | 29.248 | 1.019 | |
| 10/14/2016 6:15:00 AM | 116100.000 | 18.489 | 16.996 |
| 41.649 | 34220.133 | 40395.336 | 25.963 |
| 27.469 | 29.223 | 1.019 | |
| 10/14/2016 6:30:00 AM | 117000.000 | 18.487 | 16.997 |
| 41.644 | 34186.617 | 40355.051 | 25.934 |
| 27.441 | 29.251 | 1.019 | |
| 10/14/2016 6:45:00 AM | 117900.000 | 18.489 | 16.996 |
| 41.649 | 34170.234 | 40336.594 | 25.921 |
| 27.429 | 29.265 | 1.019 | |
| 10/14/2016 7:00:00 AM | 118800.000 | 18.489 | 16.997 |
| 41.649 | 34203.910 | 40375.395 | 25.949 |
| 27.455 | 29.236 | 1.019 | |
| 10/14/2016 7:15:00 AM | 119700.000 | 18.485 | 16.997 |
| 41.639 | 34231.305 | 40408.281 | 25.972 |
| 27.478 | 29.213 | 1.019 | |
| 10/14/2016 7:30:00 AM | 120600.000 | 18.490 | 16.998 |
| 41.650 | 34174.145 | 40339.926 | 25.924 |
| 27.431 | 29.262 | 1.019 | |
| 10/14/2016 7:45:00 AM | 121500.000 | 18.488 | 16.998 |
| 41.646 | 34244.230 | 40422.266 | 25.982 |
| 27.487 | 29.202 | 1.019 | |
| 10/14/2016 8:00:00 AM | 122400.000 | 18.492 | 16.999 |
| 41.655 | 34201.688 | 40371.164 | 25.946 |
| 27.452 | 29.238 | 1.019 | |
| 10/14/2016 8:15:00 AM | 123300.000 | 18.492 | 16.999 |
| 41.654 | 34212.703 | 40384.570 | 25.955 |
| 27.462 | 29.229 | 1.019 | |
| 10/14/2016 8:30:00 AM | 124200.000 | 18.494 | 16.999 |
| 41.659 | 34212.047 | 40383.082 | 25.954 |
| 27.460 | 29.229 | 1.019 | |
| 10/14/2016 8:45:00 AM | 125100.000 | 18.491 | 16.999 |
| 41.653 | 34206.391 | 40376.477 | 25.950 |
| 27.456 | 29.234 | 1.019 | |
| 10/14/2016 9:00:00 AM | 126000.000 | 18.494 | 16.998 |
| 41.660 | 34194.328 | 40362.957 | 25.940 |
| 27.447 | 29.245 | 1.019 | |
| 10/14/2016 9:15:00 AM | 126900.000 | 18.492 | 17.000 |
| 41.654 | 34201.289 | 40370.059 | 25.945 |
| 27.452 | 29.239 | 1.019 | |
| 10/14/2016 9:30:00 AM | 127800.000 | 18.496 | 16.999 |
| 41.663 | 34168.887 | 40332.852 | 25.919 |
| 27.426 | 29.266 | 1.019 | |
| 10/14/2016 9:45:00 AM | 128700.000 | 18.496 | 16.999 |
| 41.664 | 34210.145 | 40380.996 | 25.953 |

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| 27.459 | 29.231 | 1.019 | |
| 10/14/2016 10:00:00 AM | 129600.000 | 18.502 | 16.997 |
| 41.679 | 34249.367 | 40429.285 | 25.987 |
| 27.492 | 29.198 | 1.019 | |
| 10/14/2016 10:15:00 AM | 130500.000 | 18.502 | 16.997 |
| 41.677 | 34173.879 | 40339.777 | 25.924 |
| 27.431 | 29.262 | 1.019 | |
| 10/14/2016 10:30:00 AM | 131400.000 | 18.498 | 16.998 |
| 41.669 | 34174.742 | 40340.000 | 25.924 |
| 27.431 | 29.261 | 1.019 | |
| 10/14/2016 10:45:00 AM | 132300.000 | 18.501 | 16.998 |
| 41.675 | 34212.570 | 40385.375 | 25.956 |
| 27.462 | 29.229 | 1.019 | |
| 10/14/2016 11:00:00 AM | 133200.000 | 18.503 | 16.998 |
| 41.681 | 34196.195 | 40365.883 | 25.942 |
| 27.449 | 29.243 | 1.019 | |
| 10/14/2016 11:15:00 AM | 134100.000 | 18.509 | 16.998 |
| 41.693 | 34242.656 | 40420.477 | 25.981 |
| 27.486 | 29.203 | 1.019 | |
| 10/14/2016 11:30:00 AM | 135000.000 | 18.502 | 16.997 |
| 41.678 | 34227.973 | 40404.270 | 25.969 |
| 27.475 | 29.216 | 1.019 | |
| 10/14/2016 11:45:00 AM | 135900.000 | 18.509 | 16.997 |
| 41.692 | 34181.789 | 40349.828 | 25.931 |
| 27.438 | 29.255 | 1.019 | |
| 10/14/2016 12:00:00 PM | 136800.000 | 18.508 | 16.997 |
| 41.692 | 34167.555 | 40332.801 | 25.919 |
| 27.426 | 29.268 | 1.019 | |
| 10/14/2016 12:15:00 PM | 137700.000 | 18.501 | 16.998 |
| 41.676 | 34240.844 | 40418.500 | 25.980 |
| 27.485 | 29.205 | 1.019 | |
| 10/14/2016 12:30:00 PM | 138600.000 | 18.507 | 16.998 |
| 41.689 | 34218.664 | 40391.926 | 25.961 |
| 27.467 | 29.224 | 1.019 | |
| 10/14/2016 12:45:00 PM | 139500.000 | 18.510 | 16.998 |
| 41.697 | 34181.148 | 40348.285 | 25.930 |
| 27.437 | 29.256 | 1.019 | |
| 10/14/2016 1:00:00 PM | 140400.000 | 18.504 | 16.999 |
| 41.683 | 34193.809 | 40361.781 | 25.939 |
| 27.446 | 29.245 | 1.019 | |
| 10/14/2016 1:15:00 PM | 141300.000 | 18.508 | 16.999 |
| 41.691 | 34270.523 | 40452.016 | 26.003 |
| 27.507 | 29.180 | 1.019 | |
| 10/14/2016 1:30:00 PM | 142200.000 | 18.509 | 16.999 |
| 41.693 | 34203.602 | 40373.664 | 25.948 |
| 27.454 | 29.237 | 1.019 | |
| 10/14/2016 1:45:00 PM | 143100.000 | 18.508 | 16.999 |
| 41.691 | 34210.309 | 40381.188 | 25.953 |
| 27.459 | 29.231 | 1.019 | |
| 10/14/2016 2:00:00 PM | 144000.000 | 18.509 | 16.999 |
| 41.694 | 34240.129 | 40416.137 | 25.978 |
| 27.483 | 29.205 | 1.019 | |
| 10/14/2016 2:15:00 PM | 144900.000 | 18.511 | 17.000 |
| 41.698 | 34238.527 | 40413.539 | 25.976 |
| 27.481 | 29.207 | 1.019 | |

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|---|---|---|---|
| 10/14/2016 2:30:00 PM | 145800.000 | 18.512 | 17.001 |
| 41.699 | 34184.797 | 40349.473 | 25.931 |
| 27.438 | 29.253 | 1.019 | |
| 10/14/2016 2:45:00 PM | 146700.000 | 18.510 | 17.002 |
| 41.696 | 34248.508 | 40424.109 | 25.984 |
| 27.488 | 29.198 | 1.019 | |
| 10/14/2016 3:00:00 PM | 147600.000 | 18.510 | 17.001 |
| 41.695 | 34253.016 | 40429.758 | 25.988 |
| 27.492 | 29.195 | 1.019 | |
| 10/14/2016 3:15:00 PM | 148500.000 | 18.513 | 17.000 |
| 41.702 | 34274.488 | 40455.742 | 26.006 |
| 27.510 | 29.176 | 1.019 | |
| 10/14/2016 3:30:00 PM | 149400.000 | 18.513 | 17.000 |
| 41.703 | 34282.102 | 40464.891 | 26.013 |
| 27.516 | 29.170 | 1.019 | |
| 10/14/2016 3:45:00 PM | 150300.000 | 18.517 | 17.000 |
| 41.712 | 34282.867 | 40465.875 | 26.013 |
| 27.517 | 29.169 | 1.019 | |
| 10/14/2016 4:00:00 PM | 151200.000 | 18.515 | 17.000 |
| 41.707 | 34314.660 | 40503.234 | 26.040 |
| 27.542 | 29.142 | 1.019 | |
| 10/14/2016 4:15:00 PM | 152100.000 | 18.522 | 16.998 |
| 41.723 | 34310.250 | 40499.793 | 26.037 |
| 27.540 | 29.146 | 1.019 | |
| 10/14/2016 4:30:00 PM | 153000.000 | 18.515 | 16.999 |
| 41.707 | 34308.609 | 40497.375 | 26.036 |
| 27.538 | 29.147 | 1.019 | |
| 10/14/2016 4:45:00 PM | 153900.000 | 18.516 | 16.999 |
| 41.709 | 34281.859 | 40465.395 | 26.013 |
| 27.516 | 29.170 | 1.019 | |
| 10/14/2016 5:00:00 PM | 154800.000 | 18.520 | 16.998 |
| 41.717 | 34303.664 | 40492.422 | 26.032 |
| 27.535 | 29.151 | 1.019 | |
| 10/14/2016 5:15:00 PM | 155700.000 | 18.520 | 16.997 |
| 41.719 | 34341.895 | 40538.348 | 26.065 |
| 27.566 | 29.119 | 1.019 | |
| 10/14/2016 5:30:00 PM | 156600.000 | 18.521 | 16.998 |
| 41.719 | 34308.773 | 40498.773 | 26.037 |
| 27.539 | 29.147 | 1.019 | |
| 10/14/2016 5:45:00 PM | 157500.000 | 18.518 | 16.997 |
| 41.714 | 34273.727 | 40458.039 | 26.008 |
| 27.511 | 29.177 | 1.019 | |
| 10/14/2016 6:00:00 PM | 158400.000 | 18.520 | 16.998 |
| 41.718 | 34263.285 | 40444.988 | 25.998 |
| 27.503 | 29.186 | 1.019 | |
| 10/14/2016 6:15:00 PM | 159300.000 | 18.521 | 16.997 |
| 41.720 | 34319.727 | 40512.496 | 26.046 |
| 27.549 | 29.138 | 1.019 | |
| 10/14/2016 6:30:00 PM | 160200.000 | 18.522 | 16.996 |
| 41.722 | 34306.121 | 40497.246 | 26.036 |
| 27.538 | 29.149 | 1.019 | |
| 10/14/2016 6:45:00 PM | 161100.000 | 18.524 | 16.996 |
| 41.728 | 34263.453 | 40446.879 | 26.000 |
| 27.504 | 29.186 | 1.019 | |
| 10/14/2016 7:00:00 PM | 162000.000 | 18.521 | 16.995 |

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|---|---|---|---|
| 41.719 | 34352.773 | 40553.109 | 26.075 |
| 27.576 | 29.110 | 1.019 | |
| 10/14/2016 7:15:00 PM | 162900.000 | 18.528 | 16.994 |
| 41.735 | 34355.977 | 40558.102 | 26.079 |
| 27.580 | 29.107 | 1.019 | |
| 10/14/2016 7:30:00 PM | 163800.000 | 18.528 | 16.993 |
| 41.736 | 34322.621 | 40519.371 | 26.051 |
| 27.553 | 29.135 | 1.019 | |
| 10/14/2016 7:45:00 PM | 164700.000 | 18.528 | 16.994 |
| 41.736 | 34268.414 | 40454.570 | 26.005 |
| 27.509 | 29.181 | 1.019 | |
| 10/14/2016 8:00:00 PM | 165600.000 | 18.528 | 16.994 |
| 41.736 | 34270.621 | 40457.266 | 26.007 |
| 27.511 | 29.180 | 1.019 | |
| 10/14/2016 8:15:00 PM | 166500.000 | 18.525 | 16.993 |
| 41.730 | 34368.570 | 40573.770 | 26.090 |
| 27.590 | 29.096 | 1.019 | |
| 10/14/2016 8:30:00 PM | 167400.000 | 18.534 | 16.994 |
| 41.751 | 34290.852 | 40481.148 | 26.024 |
| 27.527 | 29.162 | 1.019 | |
| 10/14/2016 8:45:00 PM | 168300.000 | 18.532 | 16.993 |
| 41.746 | 34331.746 | 40530.617 | 26.059 |
| 27.561 | 29.128 | 1.019 | |
| 10/14/2016 9:00:00 PM | 169200.000 | 18.536 | 16.993 |
| 41.754 | 34368.406 | 40573.254 | 26.089 |
| 27.590 | 29.096 | 1.019 | |
| 10/14/2016 9:15:00 PM | 170100.000 | 18.531 | 16.994 |
| 41.742 | 34339.965 | 40539.359 | 26.065 |
| 27.567 | 29.121 | 1.019 | |
| 10/14/2016 9:30:00 PM | 171000.000 | 18.535 | 16.993 |
| 41.751 | 34325.836 | 40523.164 | 26.054 |
| 27.556 | 29.133 | 1.019 | |
| 10/14/2016 9:45:00 PM | 171900.000 | 18.531 | 16.993 |
| 41.744 | 34329.617 | 40527.629 | 26.057 |
| 27.559 | 29.129 | 1.019 | |
| 10/14/2016 10:00:00 PM | 172800.000 | 18.539 | 16.993 |
| 41.761 | 34324.871 | 40522.340 | 26.053 |
| 27.555 | 29.133 | 1.019 | |
| 10/14/2016 10:15:00 PM | 173700.000 | 18.535 | 16.993 |
| 41.753 | 34344.137 | 40544.527 | 26.069 |
| 27.570 | 29.117 | 1.019 | |
| 10/14/2016 10:30:00 PM | 174600.000 | 18.540 | 16.993 |
| 41.762 | 34417.316 | 40631.641 | 26.131 |
| 27.630 | 29.055 | 1.019 | |
| 10/14/2016 10:45:00 PM | 175500.000 | 18.537 | 16.993 |
| 41.758 | 34357.594 | 40560.574 | 26.080 |
| 27.581 | 29.106 | 1.019 | |
| 10/14/2016 11:00:00 PM | 176400.000 | 18.542 | 16.992 |
| 41.768 | 34357.969 | 40561.746 | 26.081 |
| 27.582 | 29.105 | 1.019 | |
| 10/14/2016 11:15:00 PM | 177300.000 | 18.541 | 16.992 |
| 41.766 | 34303.938 | 40498.668 | 26.036 |
| 27.539 | 29.151 | 1.019 | |
| 10/14/2016 11:30:00 PM | 178200.000 | 18.543 | 16.992 |
| 41.770 | 34343.613 | 40544.867 | 26.069 |

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|---|---|---|---|
| 27.571 | 29.117 | 1.019 | |
| 10/14/2016 11:45:00 PM | 179100.000 | 18.543 | 16.993 |
| 41.769 | 34336.289 | 40535.586 | 26.063 |
| 27.564 | 29.124 | 1.019 | |
| 10/15/2016 12:00:00 AM | 180000.000 | 18.542 | 16.993 |
| 41.768 | 34352.883 | 40554.691 | 26.076 |
| 27.577 | 29.110 | 1.019 | |
| 10/15/2016 12:15:00 AM | 180900.000 | 18.544 | 16.995 |
| 41.772 | 34315.715 | 40509.688 | 26.044 |
| 27.547 | 29.141 | 1.019 | |
| 10/15/2016 12:30:00 AM | 181800.000 | 18.544 | 16.996 |
| 41.773 | 34374.480 | 40578.016 | 26.093 |
| 27.593 | 29.091 | 1.019 | |
| 10/15/2016 12:45:00 AM | 182700.000 | 18.542 | 16.996 |
| 41.768 | 34317.902 | 40511.383 | 26.046 |
| 27.548 | 29.139 | 1.019 | |
| 10/15/2016 1:00:00 AM | 183600.000 | 18.545 | 16.998 |
| 41.775 | 34365.324 | 40565.438 | 26.084 |
| 27.584 | 29.099 | 1.019 | |
| 10/15/2016 1:15:00 AM | 184500.000 | 18.549 | 16.997 |
| 41.783 | 34419.613 | 40630.410 | 26.130 |
| 27.629 | 29.053 | 1.019 | |
| 10/15/2016 1:30:00 AM | 185400.000 | 18.550 | 16.997 |
| 41.785 | 34340.922 | 40537.676 | 26.064 |
| 27.566 | 29.120 | 1.019 | |
| 10/15/2016 1:45:00 AM | 186300.000 | 18.548 | 16.997 |
| 41.781 | 34387.766 | 40592.332 | 26.103 |
| 27.603 | 29.080 | 1.019 | |
| 10/15/2016 2:00:00 AM | 187200.000 | 18.547 | 16.996 |
| 41.779 | 34305.969 | 40496.586 | 26.035 |
| 27.538 | 29.149 | 1.019 | |
| 10/15/2016 2:15:00 AM | 188100.000 | 18.547 | 16.998 |
| 41.779 | 34364.152 | 40563.512 | 26.083 |
| 27.583 | 29.100 | 1.019 | |
| 10/15/2016 2:30:00 AM | 189000.000 | 18.550 | 17.000 |
| 41.787 | 34324.898 | 40515.965 | 26.049 |
| 27.551 | 29.133 | 1.019 | |
| 10/15/2016 2:45:00 AM | 189900.000 | 18.552 | 17.000 |
| 41.790 | 34376.563 | 40576.945 | 26.092 |
| 27.592 | 29.090 | 1.019 | |
| 10/15/2016 3:00:00 AM | 190800.000 | 18.554 | 17.000 |
| 41.795 | 34356.918 | 40553.832 | 26.076 |
| 27.577 | 29.106 | 1.019 | |
| 10/15/2016 3:15:00 AM | 191700.000 | 18.554 | 17.000 |
| 41.795 | 34321.621 | 40512.254 | 26.046 |
| 27.548 | 29.136 | 1.019 | |
| 10/15/2016 3:30:00 AM | 192600.000 | 18.555 | 16.999 |
| 41.797 | 34399.090 | 40604.418 | 26.112 |
| 27.611 | 29.071 | 1.019 | |
| 10/15/2016 3:45:00 AM | 193500.000 | 18.555 | 16.999 |
| 41.797 | 34387.766 | 40590.727 | 26.102 |
| 27.602 | 29.080 | 1.019 | |
| 10/15/2016 4:00:00 AM | 194400.000 | 18.560 | 16.999 |
| 41.807 | 34413.977 | 40622.070 | 26.125 |
| 27.623 | 29.058 | 1.019 | |

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|---|---|---|---|
| 10/15/2016 4:15:00 AM | 195300.000 | 18.557 | 16.997 |
| 41.802 | 34419.797 | 40630.387 | 26.130 |
| 27.629 | 29.053 | 1.019 | |
| 10/15/2016 4:30:00 AM | 196200.000 | 18.558 | 16.997 |
| 41.804 | 34432.871 | 40646.059 | 26.142 |
| 27.639 | 29.042 | 1.019 | |
| 10/15/2016 4:45:00 AM | 197100.000 | 18.557 | 16.998 |
| 41.801 | 34388.715 | 40592.887 | 26.104 |
| 27.603 | 29.079 | 1.019 | |
| 10/15/2016 5:00:00 AM | 198000.000 | 18.560 | 16.998 |
| 41.809 | 34366.578 | 40567.078 | 26.085 |
| 27.586 | 29.098 | 1.019 | |
| 10/15/2016 5:15:00 AM | 198900.000 | 18.561 | 16.996 |
| 41.810 | 34400.805 | 40608.613 | 26.115 |
| 27.614 | 29.069 | 1.019 | |
| 10/15/2016 5:30:00 AM | 199800.000 | 18.563 | 16.996 |
| 41.814 | 34397.848 | 40605.281 | 26.112 |
| 27.612 | 29.072 | 1.019 | |
| 10/15/2016 5:45:00 AM | 200700.000 | 18.562 | 16.994 |
| 41.812 | 34434.551 | 40650.223 | 26.144 |
| 27.642 | 29.041 | 1.019 | |
| 10/15/2016 6:00:00 AM | 201600.000 | 18.568 | 16.995 |
| 41.825 | 34416.367 | 40627.867 | 26.128 |
| 27.627 | 29.056 | 1.019 | |
| 10/15/2016 6:15:00 AM | 202500.000 | 18.567 | 16.995 |
| 41.825 | 34391.766 | 40599.301 | 26.108 |
| 27.608 | 29.077 | 1.019 | |
| 10/15/2016 6:30:00 AM | 203400.000 | 18.563 | 16.996 |
| 41.816 | 34391.781 | 40598.516 | 26.108 |
| 27.607 | 29.077 | 1.019 | |
| 10/15/2016 6:45:00 AM | 204300.000 | 18.566 | 16.995 |
| 41.822 | 34401.371 | 40610.324 | 26.116 |
| 27.615 | 29.069 | 1.019 | |
| 10/15/2016 7:00:00 AM | 205200.000 | 18.569 | 16.994 |
| 41.829 | 34389.078 | 40596.941 | 26.106 |
| 27.606 | 29.079 | 1.019 | |
| 10/15/2016 7:15:00 AM | 206100.000 | 18.569 | 16.993 |
| 41.828 | 34396.211 | 40606.324 | 26.113 |
| 27.612 | 29.073 | 1.019 | |
| 10/15/2016 7:30:00 AM | 207000.000 | 18.566 | 16.993 |
| 41.823 | 34425.023 | 40640.574 | 26.137 |
| 27.636 | 29.049 | 1.019 | |
| 10/15/2016 7:45:00 AM | 207900.000 | 18.571 | 16.992 |
| 41.833 | 34409.496 | 40622.734 | 26.125 |
| 27.623 | 29.062 | 1.019 | |
| 10/15/2016 8:00:00 AM | 208800.000 | 18.570 | 16.991 |
| 41.830 | 34417.977 | 40633.789 | 26.132 |
| 27.631 | 29.055 | 1.019 | |
| 10/15/2016 8:15:00 AM | 209700.000 | 18.572 | 16.992 |
| 41.834 | 34407.887 | 40621.074 | 26.123 |
| 27.622 | 29.063 | 1.019 | |
| 10/15/2016 8:30:00 AM | 210600.000 | 18.574 | 16.992 |
| 41.839 | 34484.148 | 40711.184 | 26.188 |
| 27.684 | 28.999 | 1.019 | |
| 10/15/2016 8:45:00 AM | 211500.000 | 18.572 | 16.992 |

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|---|---|---|---|
| 41.836 | 34418.703 | 40634.156 | 26.133 |
| 27.631 | 29.054 | 1.019 | |
| 10/15/2016 9:00:00 AM | 212400.000 | 18.578 | 16.990 |
| 41.848 | 34395.293 | 40608.371 | 26.114 |
| 27.614 | 29.074 | 1.019 | |
| 10/15/2016 9:15:00 AM | 213300.000 | 18.576 | 16.991 |
| 41.845 | 34474.543 | 40700.324 | 26.180 |
| 27.676 | 29.007 | 1.019 | |
| 10/15/2016 9:30:00 AM | 214200.000 | 18.578 | 16.991 |
| 41.848 | 34425.742 | 40643.355 | 26.139 |
| 27.637 | 29.048 | 1.019 | |
| 10/15/2016 9:45:00 AM | 215100.000 | 18.580 | 16.990 |
| 41.854 | 34445.754 | 40667.219 | 26.156 |
| 27.654 | 29.031 | 1.019 | |
| 10/15/2016 10:00:00 AM | 216000.000 | 18.581 | 16.991 |
| 41.856 | 34466.723 | 40691.406 | 26.174 |
| 27.670 | 29.013 | 1.019 | |
| 10/15/2016 10:15:00 AM | 216900.000 | 18.582 | 16.991 |
| 41.857 | 34450.332 | 40672.148 | 26.160 |
| 27.657 | 29.027 | 1.019 | |
| 10/15/2016 10:30:00 AM | 217800.000 | 18.582 | 16.990 |
| 41.858 | 34379.848 | 40589.898 | 26.101 |
| 27.601 | 29.087 | 1.019 | |
| 10/15/2016 10:45:00 AM | 218700.000 | 18.585 | 16.991 |
| 41.864 | 34411.191 | 40626.254 | 26.127 |
| 27.626 | 29.060 | 1.019 | |
| 10/15/2016 11:00:00 AM | 219600.000 | 18.587 | 16.991 |
| 41.869 | 34399.020 | 40611.477 | 26.117 |
| 27.616 | 29.071 | 1.019 | |
| 10/15/2016 11:15:00 AM | 220500.000 | 18.585 | 16.992 |
| 41.864 | 34428.750 | 40645.863 | 26.141 |
| 27.639 | 29.045 | 1.019 | |
| 10/15/2016 11:30:00 AM | 221400.000 | 18.585 | 16.991 |
| 41.866 | 34381.891 | 40590.867 | 26.102 |
| 27.602 | 29.085 | 1.019 | |
| 10/15/2016 11:45:00 AM | 222300.000 | 18.587 | 16.991 |
| 41.870 | 34422.043 | 40638.512 | 26.136 |
| 27.634 | 29.051 | 1.019 | |
| 10/15/2016 12:00:00 PM | 223200.000 | 18.586 | 16.991 |
| 41.867 | 34399.418 | 40611.719 | 26.117 |
| 27.616 | 29.070 | 1.019 | |
| 10/15/2016 12:15:00 PM | 224100.000 | 18.585 | 16.992 |
| 41.866 | 34449.453 | 40670.063 | 26.158 |
| 27.656 | 29.028 | 1.019 | |
| 10/15/2016 12:30:00 PM | 225000.000 | 18.589 | 16.992 |
| 41.874 | 34393.609 | 40604.133 | 26.111 |
| 27.611 | 29.075 | 1.019 | |
| 10/15/2016 12:45:00 PM | 225900.000 | 18.594 | 16.993 |
| 41.884 | 34421.879 | 40636.629 | 26.135 |
| 27.633 | 29.051 | 1.019 | |
| 10/15/2016 1:00:00 PM | 226800.000 | 18.592 | 16.993 |
| 41.881 | 34470.352 | 40693.438 | 26.175 |
| 27.672 | 29.010 | 1.019 | |
| 10/15/2016 1:15:00 PM | 227700.000 | 18.590 | 16.994 |
| 41.876 | 34424.809 | 40639.039 | 26.136 |

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| 27.635 | 29.049 | 1.019 | |
| 10/15/2016 1:30:00 PM | 228600.000 | 18.596 | 16.995 |
| 41.889 | 34407.020 | 40616.992 | 26.121 |
| 27.620 | 29.064 | 1.019 | |
| 10/15/2016 1:45:00 PM | 229500.000 | 18.599 | 16.997 |
| 41.896 | 34451.313 | 40668.074 | 26.157 |
| 27.654 | 29.026 | 1.019 | |
| 10/15/2016 2:00:00 PM | 230400.000 | 18.597 | 16.997 |
| 41.892 | 34410.969 | 40620.203 | 26.123 |
| 27.622 | 29.061 | 1.019 | |
| 10/15/2016 2:15:00 PM | 231300.000 | 18.597 | 16.997 |
| 41.891 | 34442.879 | 40657.551 | 26.150 |
| 27.647 | 29.034 | 1.019 | |
| 10/15/2016 2:30:00 PM | 232200.000 | 18.598 | 16.996 |
| 41.894 | 34443.844 | 40660.051 | 26.151 |
| 27.649 | 29.033 | 1.019 | |
| 10/15/2016 2:45:00 PM | 233100.000 | 18.599 | 16.996 |
| 41.897 | 34420.105 | 40631.395 | 26.131 |
| 27.629 | 29.053 | 1.019 | |
| 10/15/2016 3:00:00 PM | 234000.000 | 18.599 | 16.999 |
| 41.897 | 34469.582 | 40687.469 | 26.171 |
| 27.667 | 29.011 | 1.019 | |
| 10/15/2016 3:15:00 PM | 234900.000 | 18.597 | 16.997 |
| 41.891 | 34457.094 | 40674.090 | 26.161 |
| 27.658 | 29.022 | 1.019 | |
| 10/15/2016 3:30:00 PM | 235800.000 | 18.604 | 17.000 |
| 41.908 | 34519.836 | 40745.891 | 26.213 |
| 27.707 | 28.969 | 1.019 | |
| 10/15/2016 3:45:00 PM | 236700.000 | 18.601 | 16.999 |
| 41.900 | 34470.375 | 40688.004 | 26.171 |
| 27.668 | 29.010 | 1.019 | |
| 10/15/2016 4:00:00 PM | 237600.000 | 18.600 | 16.999 |
| 41.898 | 34429.703 | 40640.070 | 26.137 |
| 27.635 | 29.045 | 1.019 | |
| 10/15/2016 4:15:00 PM | 238500.000 | 18.604 | 16.998 |
| 41.907 | 34429.797 | 40641.234 | 26.138 |
| 27.636 | 29.045 | 1.019 | |
| 10/15/2016 4:30:00 PM | 239400.000 | 18.605 | 16.997 |
| 41.911 | 34466.039 | 40685.051 | 26.169 |
| 27.666 | 29.014 | 1.019 | |
| 10/15/2016 4:45:00 PM | 240300.000 | 18.604 | 16.997 |
| 41.907 | 34454.824 | 40671.734 | 26.160 |
| 27.657 | 29.024 | 1.019 | |
| 10/15/2016 5:00:00 PM | 241200.000 | 18.607 | 16.998 |
| 41.914 | 34420.371 | 40630.418 | 26.130 |
| 27.629 | 29.053 | 1.019 | |
| 10/15/2016 5:15:00 PM | 242100.000 | 18.608 | 16.996 |
| 41.917 | 34438.078 | 40652.535 | 26.146 |
| 27.644 | 29.038 | 1.019 | |
| 10/15/2016 5:30:00 PM | 243000.000 | 18.613 | 16.997 |
| 41.927 | 34486.391 | 40709.168 | 26.186 |
| 27.682 | 28.997 | 1.019 | |
| 10/15/2016 5:45:00 PM | 243900.000 | 18.608 | 16.996 |
| 41.917 | 34530.813 | 40762.004 | 26.224 |
| 27.718 | 28.960 | 1.019 | |

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|---|---|---|---|
| 10/15/2016 6:00:00 PM | 244800.000 | 18.612 | 16.994 |
| 41.924 | 34454.785 | 40674.188 | 26.161 |
| 27.658 | 29.024 | 1.019 | |
| 10/15/2016 6:15:00 PM | 245700.000 | 18.612 | 16.995 |
| 41.924 | 34432.703 | 40647.152 | 26.142 |
| 27.640 | 29.042 | 1.019 | |
| 10/15/2016 6:30:00 PM | 246600.000 | 18.613 | 16.996 |
| 41.929 | 34483.836 | 40707.109 | 26.185 |
| 27.681 | 28.999 | 1.019 | |
| 10/15/2016 6:45:00 PM | 247500.000 | 18.615 | 16.994 |
| 41.932 | 34476.938 | 40700.262 | 26.180 |
| 27.676 | 29.005 | 1.019 | |
| 10/15/2016 7:00:00 PM | 248400.000 | 18.614 | 16.993 |
| 41.929 | 34454.797 | 40675.004 | 26.162 |
| 27.659 | 29.024 | 1.019 | |
| 10/15/2016 7:15:00 PM | 249300.000 | 18.617 | 16.994 |
| 41.936 | 34502.066 | 40730.641 | 26.202 |
| 27.697 | 28.984 | 1.019 | |
| 10/15/2016 7:30:00 PM | 250200.000 | 18.616 | 16.992 |
| 41.934 | 34467.441 | 40690.984 | 26.173 |
| 27.670 | 29.013 | 1.019 | |
| 10/15/2016 7:45:00 PM | 251100.000 | 18.619 | 16.992 |
| 41.941 | 34460.516 | 40682.809 | 26.167 |
| 27.664 | 29.019 | 1.019 | |
| 10/15/2016 8:00:00 PM | 252000.000 | 18.617 | 16.992 |
| 41.936 | 34486.934 | 40714.473 | 26.190 |
| 27.686 | 28.996 | 1.019 | |
| 10/15/2016 8:15:00 PM | 252900.000 | 18.617 | 16.992 |
| 41.937 | 34556.715 | 40797.016 | 26.249 |
| 27.742 | 28.938 | 1.019 | |
| 10/15/2016 8:30:00 PM | 253800.000 | 18.620 | 16.990 |
| 41.943 | 34460.723 | 40685.055 | 26.169 |
| 27.666 | 29.019 | 1.019 | |
| 10/15/2016 8:45:00 PM | 254700.000 | 18.624 | 16.990 |
| 41.952 | 34459.586 | 40684.039 | 26.168 |
| 27.665 | 29.020 | 1.019 | |
| 10/15/2016 9:00:00 PM | 255600.000 | 18.622 | 16.990 |
| 41.949 | 34525.320 | 40761.488 | 26.223 |
| 27.718 | 28.964 | 1.019 | |
| 10/15/2016 9:15:00 PM | 256500.000 | 18.622 | 16.989 |
| 41.947 | 34466.078 | 40692.348 | 26.174 |
| 27.671 | 29.014 | 1.019 | |
| 10/15/2016 9:30:00 PM | 257400.000 | 18.624 | 16.989 |
| 41.953 | 34492.625 | 40723.539 | 26.196 |
| 27.692 | 28.992 | 1.019 | |
| 10/15/2016 9:45:00 PM | 258300.000 | 18.624 | 16.992 |
| 41.951 | 34502.934 | 40733.520 | 26.204 |
| 27.699 | 28.983 | 1.019 | |
| 10/15/2016 10:00:00 PM | 259200.000 | 18.624 | 16.996 |
| 41.953 | 34480.160 | 40702.770 | 26.182 |
| 27.678 | 29.002 | 1.019 | |
| 10/15/2016 10:15:00 PM | 260100.000 | 18.628 | 16.998 |
| 41.961 | 34482.242 | 40703.609 | 26.183 |
| 27.678 | 29.000 | 1.019 | |
| 10/15/2016 10:30:00 PM | 261000.000 | 18.626 | 16.997 |

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|---|---|---|---|
| 41.956 | 34458.438 | 40675.918 | 26.163 |
| 27.660 | 29.020 | 1.019 | |
| 10/15/2016 10:45:00 PM | 261900.000 | 18.628 | 16.998 |
| 41.962 | 34488.344 | 40710.813 | 26.188 |
| 27.683 | 28.995 | 1.019 | |
| 10/15/2016 11:00:00 PM | 262800.000 | 18.628 | 16.997 |
| 41.961 | 34502.934 | 40728.602 | 26.200 |
| 27.695 | 28.983 | 1.019 | |
| 10/15/2016 11:15:00 PM | 263700.000 | 18.629 | 16.998 |
| 41.965 | 34487.191 | 40709.383 | 26.187 |
| 27.682 | 28.996 | 1.019 | |
| 10/15/2016 11:30:00 PM | 264600.000 | 18.631 | 16.999 |
| 41.968 | 34498.160 | 40721.523 | 26.195 |
| 27.691 | 28.987 | 1.019 | |
| 10/15/2016 11:45:00 PM | 265500.000 | 18.634 | 16.998 |
| 41.975 | 34442.844 | 40657.031 | 26.149 |
| 27.647 | 29.034 | 1.019 | |
| 10/16/2016 12:00:00 AM | 266400.000 | 18.633 | 16.998 |
| 41.972 | 34419.813 | 40629.527 | 26.130 |
| 27.628 | 29.053 | 1.019 | |
| 10/16/2016 12:15:00 AM | 267300.000 | 18.639 | 16.998 |
| 41.986 | 34423.359 | 40633.871 | 26.133 |
| 27.631 | 29.050 | 1.019 | |
| 10/16/2016 12:30:00 AM | 268200.000 | 18.636 | 16.998 |
| 41.979 | 34404.539 | 40611.656 | 26.117 |
| 27.616 | 29.066 | 1.019 | |
| 10/16/2016 12:45:00 AM | 269100.000 | 18.639 | 16.999 |
| 41.987 | 34448.316 | 40662.688 | 26.153 |
| 27.651 | 29.029 | 1.019 | |
| 10/16/2016 1:00:00 AM | 270000.000 | 18.642 | 16.998 |
| 41.992 | 34451.828 | 40667.637 | 26.157 |
| 27.654 | 29.026 | 1.019 | |
| 10/16/2016 1:15:00 AM | 270900.000 | 18.641 | 16.998 |
| 41.991 | 34418.105 | 40627.348 | 26.128 |
| 27.627 | 29.054 | 1.019 | |
| 10/16/2016 1:30:00 AM | 271800.000 | 18.639 | 16.998 |
| 41.986 | 34453.602 | 40669.410 | 26.158 |
| 27.655 | 29.025 | 1.019 | |
| 10/16/2016 1:45:00 AM | 272700.000 | 18.644 | 16.999 |
| 41.997 | 34427.445 | 40638.051 | 26.136 |
| 27.634 | 29.047 | 1.019 | |
| 10/16/2016 2:00:00 AM | 273600.000 | 18.643 | 17.000 |
| 41.995 | 34456.363 | 40671.301 | 26.160 |
| 27.656 | 29.022 | 1.019 | |
| 10/16/2016 2:15:00 AM | 274500.000 | 18.645 | 16.999 |
| 41.999 | 34482.563 | 40702.551 | 26.182 |
| 27.678 | 29.000 | 1.019 | |
| 10/16/2016 2:30:00 AM | 275400.000 | 18.645 | 17.000 |
| 42.001 | 34457.906 | 40672.961 | 26.161 |
| 27.658 | 29.021 | 1.019 | |
| 10/16/2016 2:45:00 AM | 276300.000 | 18.645 | 16.999 |
| 41.999 | 34466.020 | 40683.180 | 26.168 |
| 27.665 | 29.014 | 1.019 | |
| 10/16/2016 3:00:00 AM | 277200.000 | 18.648 | 17.001 |
| 42.007 | 34454.988 | 40668.230 | 26.157 |

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|---|---|---|---|
| 27.654 | 29.023 | 1.019 | |
| 10/16/2016 3:15:00 AM | 278100.000 | 18.648 | 17.001 |
| 42.006 | 34454.891 | 40667.801 | 26.157 |
| 27.654 | 29.023 | 1.019 | |
| 10/16/2016 3:30:00 AM | 279000.000 | 18.646 | 17.002 |
| 42.002 | 34450.391 | 40661.922 | 26.153 |
| 27.650 | 29.027 | 1.019 | |
| 10/16/2016 3:45:00 AM | 279900.000 | 18.651 | 17.003 |
| 42.013 | 34462.469 | 40675.695 | 26.163 |
| 27.659 | 29.017 | 1.019 | |
| 10/16/2016 4:00:00 AM | 280800.000 | 18.650 | 17.003 |
| 42.010 | 34449.063 | 40659.871 | 26.152 |
| 27.649 | 29.028 | 1.019 | |
| 10/16/2016 4:15:00 AM | 281700.000 | 18.648 | 17.001 |
| 42.006 | 34442.645 | 40653.742 | 26.147 |
| 27.645 | 29.034 | 1.019 | |
| 10/16/2016 4:30:00 AM | 282600.000 | 18.653 | 17.002 |
| 42.019 | 34474.730 | 40691.125 | 26.174 |
| 27.670 | 29.007 | 1.019 | |
| 10/16/2016 4:45:00 AM | 283500.000 | 18.652 | 17.001 |
| 42.015 | 34458.391 | 40672.000 | 26.160 |
| 27.657 | 29.021 | 1.019 | |
| 10/16/2016 5:00:00 AM | 284400.000 | 18.653 | 17.000 |
| 42.018 | 34492.344 | 40713.531 | 26.190 |
| 27.685 | 28.992 | 1.019 | |
| 10/16/2016 5:15:00 AM | 285300.000 | 18.653 | 17.000 |
| 42.018 | 34485.414 | 40705.352 | 26.184 |
| 27.680 | 28.998 | 1.019 | |
| 10/16/2016 5:30:00 AM | 286200.000 | 18.655 | 16.998 |
| 42.022 | 34454.203 | 40669.957 | 26.159 |
| 27.656 | 29.024 | 1.019 | |
| 10/16/2016 5:45:00 AM | 287100.000 | 18.658 | 16.999 |
| 42.028 | 34454.766 | 40669.582 | 26.158 |
| 27.655 | 29.024 | 1.019 | |
| 10/16/2016 6:00:00 AM | 288000.000 | 18.661 | 16.998 |
| 42.037 | 34452.805 | 40668.156 | 26.157 |
| 27.654 | 29.025 | 1.019 | |
| 10/16/2016 6:15:00 AM | 288900.000 | 18.657 | 16.998 |
| 42.028 | 34483.320 | 40704.883 | 26.183 |
| 27.679 | 29.000 | 1.019 | |
| 10/16/2016 6:30:00 AM | 289800.000 | 18.659 | 16.997 |
| 42.031 | 34450.332 | 40666.109 | 26.156 |
| 27.653 | 29.027 | 1.019 | |
| 10/16/2016 6:45:00 AM | 290700.000 | 18.660 | 16.997 |
| 42.034 | 34447.082 | 40662.992 | 26.154 |
| 27.651 | 29.030 | 1.019 | |
| 10/16/2016 7:00:00 AM | 291600.000 | 18.662 | 16.996 |
| 42.038 | 34470.613 | 40691.574 | 26.174 |
| 27.670 | 29.010 | 1.019 | |
| 10/16/2016 7:15:00 AM | 292500.000 | 18.661 | 16.995 |
| 42.037 | 34481.957 | 40705.773 | 26.184 |
| 27.680 | 29.001 | 1.019 | |
| 10/16/2016 7:30:00 AM | 293400.000 | 18.661 | 16.994 |
| 42.036 | 34449.930 | 40668.617 | 26.157 |
| 27.655 | 29.028 | 1.019 | |

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|---|---|---|---|
| 10/16/2016 7:45:00 AM | 294300.000 | 18.663 | 16.994 |
| 42.040 | 34459.137 | 40679.246 | 26.165 |
| 27.662 | 29.020 | 1.019 | |
| 10/16/2016 8:00:00 AM | 295200.000 | 18.664 | 16.995 |
| 42.043 | 34519.410 | 40749.754 | 26.215 |
| 27.710 | 28.969 | 1.019 | |
| 10/16/2016 8:15:00 AM | 296100.000 | 18.665 | 16.994 |
| 42.044 | 34442.293 | 40659.840 | 26.151 |
| 27.649 | 29.034 | 1.019 | |
| 10/16/2016 8:30:00 AM | 297000.000 | 18.671 | 16.993 |
| 42.058 | 34530.785 | 40764.949 | 26.226 |
| 27.720 | 28.960 | 1.019 | |
| 10/16/2016 8:45:00 AM | 297900.000 | 18.667 | 16.993 |
| 42.050 | 34452.047 | 40672.559 | 26.160 |
| 27.657 | 29.026 | 1.019 | |
| 10/16/2016 9:00:00 AM | 298800.000 | 18.668 | 16.992 |
| 42.052 | 34485.984 | 40713.352 | 26.189 |
| 27.685 | 28.997 | 1.019 | |
| 10/16/2016 9:15:00 AM | 299700.000 | 18.671 | 16.992 |
| 42.057 | 34460.453 | 40682.641 | 26.167 |
| 27.664 | 29.019 | 1.019 | |
| 10/16/2016 9:30:00 AM | 300600.000 | 18.670 | 16.992 |
| 42.056 | 34478.313 | 40704.215 | 26.183 |
| 27.679 | 29.004 | 1.019 | |
| 10/16/2016 9:45:00 AM | 301500.000 | 18.673 | 16.993 |
| 42.062 | 34469.914 | 40693.570 | 26.175 |
| 27.672 | 29.011 | 1.019 | |
| 10/16/2016 10:00:00 AM | 302400.000 | 18.673 | 16.992 |
| 42.063 | 34452.535 | 40673.945 | 26.161 |
| 27.658 | 29.025 | 1.019 | |
| 10/16/2016 10:15:00 AM | 303300.000 | 18.676 | 16.991 |
| 42.069 | 34493.648 | 40722.965 | 26.196 |
| 27.692 | 28.991 | 1.019 | |
| 10/16/2016 10:30:00 AM | 304200.000 | 18.674 | 16.992 |
| 42.064 | 34479.598 | 40705.242 | 26.183 |
| 27.680 | 29.003 | 1.019 | |
| 10/16/2016 10:45:00 AM | 305100.000 | 18.674 | 16.995 |
| 42.065 | 34467.090 | 40688.063 | 26.171 |
| 27.668 | 29.013 | 1.019 | |
| 10/16/2016 11:00:00 AM | 306000.000 | 18.679 | 16.997 |
| 42.077 | 34430.703 | 40643.500 | 26.140 |
| 27.638 | 29.044 | 1.019 | |
| 10/16/2016 11:15:00 AM | 306900.000 | 18.676 | 16.997 |
| 42.070 | 34440.449 | 40654.520 | 26.148 |
| 27.645 | 29.036 | 1.019 | |
| 10/16/2016 11:30:00 AM | 307800.000 | 18.679 | 16.998 |
| 42.076 | 34480.523 | 40701.422 | 26.181 |
| 27.677 | 29.002 | 1.019 | |
| 10/16/2016 11:45:00 AM | 308700.000 | 18.681 | 16.998 |
| 42.080 | 34446.473 | 40660.680 | 26.152 |
| 27.649 | 29.031 | 1.019 | |
| 10/16/2016 12:00:00 PM | 309600.000 | 18.681 | 16.998 |
| 42.082 | 34472.125 | 40690.961 | 26.174 |
| 27.670 | 29.009 | 1.019 | |
| 10/16/2016 12:15:00 PM | 310500.000 | 18.680 | 16.998 |

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|---|---|---|---|
| 42.079 | 34510.508 | 40736.742 | 26.206 |
| 27.701 | 28.977 | 1.019 | |
| 10/16/2016 12:30:00 PM | 311400.000 | 18.683 | 16.999 |
| 42.086 | 34459.441 | 40675.258 | 26.162 |
| 27.659 | 29.020 | 1.019 | |
| 10/16/2016 12:45:00 PM | 312300.000 | 18.688 | 16.999 |
| 42.096 | 34538.551 | 40769.117 | 26.229 |
| 27.723 | 28.953 | 1.019 | |
| 10/16/2016 1:00:00 PM | 313200.000 | 18.683 | 16.999 |
| 42.086 | 34457.730 | 40673.480 | 26.161 |
| 27.658 | 29.021 | 1.019 | |
| 10/16/2016 1:15:00 PM | 314100.000 | 18.686 | 17.000 |
| 42.092 | 34469.855 | 40687.066 | 26.171 |
| 27.667 | 29.011 | 1.019 | |
| 10/16/2016 1:30:00 PM | 315000.000 | 18.684 | 16.999 |
| 42.089 | 34447.504 | 40661.410 | 26.153 |
| 27.650 | 29.030 | 1.019 | |
| 10/16/2016 1:45:00 PM | 315900.000 | 18.688 | 17.000 |
| 42.098 | 34433.816 | 40644.359 | 26.140 |
| 27.638 | 29.041 | 1.019 | |
| 10/16/2016 2:00:00 PM | 316800.000 | 18.692 | 17.001 |
| 42.105 | 34443.359 | 40654.664 | 26.148 |
| 27.645 | 29.033 | 1.019 | |
| 10/16/2016 2:15:00 PM | 317700.000 | 18.690 | 17.002 |
| 42.102 | 34490.711 | 40709.828 | 26.187 |
| 27.683 | 28.993 | 1.019 | |
| 10/16/2016 2:30:00 PM | 318600.000 | 18.694 | 17.002 |
| 42.110 | 34462.676 | 40676.496 | 26.163 |
| 27.660 | 29.017 | 1.019 | |
| 10/16/2016 2:45:00 PM | 319500.000 | 18.692 | 17.004 |
| 42.105 | 34491.410 | 40708.879 | 26.187 |
| 27.682 | 28.993 | 1.019 | |
| 10/16/2016 3:00:00 PM | 320400.000 | 18.694 | 17.004 |
| 42.110 | 34455.262 | 40665.816 | 26.156 |
| 27.653 | 29.023 | 1.019 | |
| 10/16/2016 3:15:00 PM | 321300.000 | 18.692 | 17.004 |
| 42.106 | 34491.277 | 40708.805 | 26.187 |
| 27.682 | 28.993 | 1.019 | |
| 10/16/2016 3:30:00 PM | 322200.000 | 18.692 | 17.004 |
| 42.105 | 34470.125 | 40683.520 | 26.169 |
| 27.665 | 29.011 | 1.019 | |
| 10/16/2016 3:45:00 PM | 323100.000 | 18.696 | 17.004 |
| 42.115 | 34468.414 | 40681.184 | 26.167 |
| 27.663 | 29.012 | 1.019 | |
| 10/16/2016 4:00:00 PM | 324000.000 | 18.692 | 17.002 |
| 42.105 | 34470.375 | 40685.188 | 26.170 |
| 27.666 | 29.010 | 1.019 | |
| 10/16/2016 4:15:00 PM | 324900.000 | 18.696 | 17.004 |
| 42.115 | 34486.414 | 40702.984 | 26.182 |
| 27.678 | 28.997 | 1.019 | |
| 10/16/2016 4:30:00 PM | 325800.000 | 18.694 | 17.003 |
| 42.111 | 34497.750 | 40716.770 | 26.192 |
| 27.687 | 28.987 | 1.019 | |
| 10/16/2016 4:45:00 PM | 326700.000 | 18.697 | 17.001 |
| 42.117 | 34481.809 | 40699.723 | 26.180 |

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|---|---|---|---|
| 27.676 | 29.001 | 1.019 | |
| 10/16/2016 5:00:00 PM | 327600.000 | 18.700 | 17.000 |
| 42.123 | 34505.859 | 40729.164 | 26.201 |
| 27.696 | 28.981 | 1.019 | |
| 10/16/2016 5:15:00 PM | 328500.000 | 18.698 | 17.000 |
| 42.119 | 34499.516 | 40722.148 | 26.196 |
| 27.691 | 28.986 | 1.019 | |
| 10/16/2016 5:30:00 PM | 329400.000 | 18.697 | 17.000 |
| 42.118 | 34495.418 | 40716.836 | 26.192 |
| 27.687 | 28.989 | 1.019 | |
| 10/16/2016 5:45:00 PM | 330300.000 | 18.704 | 16.999 |
| 42.133 | 34504.578 | 40728.852 | 26.201 |
| 27.696 | 28.982 | 1.019 | |
| 10/16/2016 6:00:00 PM | 331200.000 | 18.698 | 16.998 |
| 42.118 | 34504.883 | 40729.867 | 26.201 |
| 27.696 | 28.981 | 1.019 | |
| 10/16/2016 6:15:00 PM | 332100.000 | 18.708 | 16.997 |
| 42.141 | 34465.258 | 40684.051 | 26.169 |
| 27.665 | 29.015 | 1.019 | |
| 10/16/2016 6:30:00 PM | 333000.000 | 18.701 | 16.997 |
| 42.125 | 34473.914 | 40694.270 | 26.176 |
| 27.672 | 29.007 | 1.019 | |
| 10/16/2016 6:45:00 PM | 333900.000 | 18.703 | 16.996 |
| 42.131 | 34487.980 | 40711.926 | 26.188 |
| 27.684 | 28.996 | 1.019 | |
| 10/16/2016 7:00:00 PM | 334800.000 | 18.700 | 16.996 |
| 42.123 | 34442.652 | 40657.934 | 26.150 |
| 27.647 | 29.034 | 1.019 | |
| 10/16/2016 7:15:00 PM | 335700.000 | 18.699 | 16.996 |
| 42.121 | 34533.082 | 40765.012 | 26.226 |
| 27.720 | 28.958 | 1.019 | |
| 10/16/2016 7:30:00 PM | 336600.000 | 18.705 | 16.995 |
| 42.134 | 34464.785 | 40685.594 | 26.170 |
| 27.666 | 29.015 | 1.019 | |
| 10/16/2016 7:45:00 PM | 337500.000 | 18.704 | 16.994 |
| 42.133 | 34509.801 | 40739.133 | 26.208 |
| 27.703 | 28.977 | 1.019 | |
| 10/16/2016 8:00:00 PM | 338400.000 | 18.709 | 16.996 |
| 42.143 | 34491.883 | 40716.684 | 26.192 |
| 27.687 | 28.992 | 1.019 | |
| 10/16/2016 8:15:00 PM | 339300.000 | 18.710 | 17.000 |
| 42.146 | 34533.727 | 40762.617 | 26.225 |
| 27.719 | 28.957 | 1.019 | |
| 10/16/2016 8:30:00 PM | 340200.000 | 18.706 | 17.003 |
| 42.138 | 34510.484 | 40731.723 | 26.203 |
| 27.698 | 28.977 | 1.019 | |
| 10/16/2016 8:45:00 PM | 341100.000 | 18.707 | 17.004 |
| 42.139 | 34504.242 | 40723.863 | 26.197 |
| 27.692 | 28.982 | 1.019 | |
| 10/16/2016 9:00:00 PM | 342000.000 | 18.710 | 17.004 |
| 42.146 | 34451.766 | 40662.090 | 26.153 |
| 27.650 | 29.026 | 1.019 | |
| 10/16/2016 9:15:00 PM | 342900.000 | 18.709 | 17.004 |
| 42.144 | 34456.152 | 40666.867 | 26.157 |
| 27.653 | 29.022 | 1.019 | |

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|---|---|---|---|
| 10/16/2016 9:30:00 PM | 343800.000 | 18.710 | 17.005 |
| 42.145 | 34445.055 | 40653.277 | 26.147 |
| 27.644 | 29.032 | 1.019 | |
| 10/16/2016 9:45:00 PM | 344700.000 | 18.712 | 17.005 |
| 42.151 | 34384.773 | 40581.898 | 26.096 |
| 27.596 | 29.083 | 1.019 | |
| 10/16/2016 10:00:00 PM | 345600.000 | 18.707 | 17.006 |
| 42.139 | 34409.742 | 40610.648 | 26.117 |
| 27.615 | 29.062 | 1.019 | |
| 10/16/2016 10:15:00 PM | 346500.000 | 18.713 | 17.005 |
| 42.152 | 34392.363 | 40590.617 | 26.102 |
| 27.602 | 29.076 | 1.019 | |
| 10/16/2016 10:30:00 PM | 347400.000 | 18.710 | 17.005 |
| 42.145 | 34407.066 | 40607.969 | 26.115 |
| 27.613 | 29.064 | 1.019 | |
| 10/16/2016 10:45:00 PM | 348300.000 | 18.714 | 17.005 |
| 42.156 | 34356.172 | 40547.820 | 26.072 |
| 27.573 | 29.107 | 1.019 | |
| 10/16/2016 11:00:00 PM | 349200.000 | 18.712 | 17.005 |
| 42.152 | 34338.879 | 40527.578 | 26.058 |
| 27.559 | 29.122 | 1.019 | |
| 10/16/2016 11:15:00 PM | 350100.000 | 18.719 | 17.005 |
| 42.166 | 34368.453 | 40562.961 | 26.083 |
| 27.583 | 29.096 | 1.019 | |
| 10/16/2016 11:30:00 PM | 351000.000 | 18.716 | 17.005 |
| 42.159 | 34335.789 | 40524.086 | 26.055 |
| 27.556 | 29.124 | 1.019 | |
| 10/16/2016 11:45:00 PM | 351900.000 | 18.714 | 17.005 |
| 42.155 | 34326.336 | 40513.094 | 26.047 |
| 27.549 | 29.132 | 1.019 | |
| 10/17/2016 12:00:00 AM | 352800.000 | 18.719 | 17.004 |
| 42.166 | 34359.195 | 40552.188 | 26.075 |
| 27.575 | 29.104 | 1.019 | |
| 10/17/2016 12:15:00 AM | 353700.000 | 18.714 | 17.004 |
| 42.156 | 34342.414 | 40532.703 | 26.061 |
| 27.562 | 29.119 | 1.019 | |
| 10/17/2016 12:30:00 AM | 354600.000 | 18.717 | 17.004 |
| 42.162 | 34333.566 | 40522.348 | 26.054 |
| 27.555 | 29.126 | 1.019 | |
| 10/17/2016 12:45:00 AM | 355500.000 | 18.722 | 17.005 |
| 42.173 | 34348.695 | 40539.316 | 26.066 |
| 27.567 | 29.113 | 1.019 | |
| 10/17/2016 1:00:00 AM | 356400.000 | 18.717 | 17.005 |
| 42.162 | 34342.492 | 40532.320 | 26.061 |
| 27.562 | 29.118 | 1.019 | |
| 10/17/2016 1:15:00 AM | 357300.000 | 18.722 | 17.004 |
| 42.173 | 34349.039 | 40540.125 | 26.066 |
| 27.567 | 29.113 | 1.019 | |
| 10/17/2016 1:30:00 AM | 358200.000 | 18.721 | 17.004 |
| 42.171 | 34320.723 | 40506.707 | 26.043 |
| 27.545 | 29.137 | 1.019 | |
| 10/17/2016 1:45:00 AM | 359100.000 | 18.724 | 17.006 |
| 42.178 | 34349.914 | 40540.121 | 26.066 |
| 27.567 | 29.112 | 1.019 | |
| 10/17/2016 2:00:00 AM | 360000.000 | 18.726 | 17.006 |

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|---|---|---|---|
| 42.182 | 34310.184 | 40493.148 | 26.033 |
| 27.535 | 29.146 | 1.019 | |
| 10/17/2016 2:15:00 AM | 360900.000 | 18.723 | 17.006 |
| 42.175 | 34298.152 | 40478.223 | 26.022 |
| 27.525 | 29.156 | 1.019 | |
| 10/17/2016 2:30:00 AM | 361800.000 | 18.732 | 17.006 |
| 42.196 | 34310.207 | 40492.449 | 26.033 |
| 27.535 | 29.146 | 1.019 | |
| 10/17/2016 2:45:00 AM | 362700.000 | 18.727 | 17.007 |
| 42.185 | 34311.313 | 40493.188 | 26.033 |
| 27.535 | 29.145 | 1.019 | |
| 10/17/2016 3:00:00 AM | 363600.000 | 18.725 | 17.007 |
| 42.180 | 34325.031 | 40509.066 | 26.044 |
| 27.546 | 29.133 | 1.019 | |
| 10/17/2016 3:15:00 AM | 364500.000 | 18.725 | 17.008 |
| 42.181 | 34334.270 | 40519.488 | 26.052 |
| 27.553 | 29.125 | 1.019 | |
| 10/17/2016 3:30:00 AM | 365400.000 | 18.728 | 17.008 |
| 42.187 | 34321.535 | 40504.215 | 26.041 |
| 27.543 | 29.136 | 1.019 | |
| 10/17/2016 3:45:00 AM | 366300.000 | 18.729 | 17.009 |
| 42.189 | 34324.602 | 40506.789 | 26.043 |
| 27.545 | 29.134 | 1.019 | |
| 10/17/2016 4:00:00 AM | 367200.000 | 18.725 | 17.009 |
| 42.180 | 34281.109 | 40455.707 | 26.007 |
| 27.510 | 29.171 | 1.019 | |
| 10/17/2016 4:15:00 AM | 368100.000 | 18.728 | 17.009 |
| 42.186 | 34340.980 | 40526.770 | 26.057 |
| 27.558 | 29.120 | 1.019 | |
| 10/17/2016 4:30:00 AM | 369000.000 | 18.729 | 17.009 |
| 42.189 | 34301.145 | 40479.832 | 26.024 |
| 27.526 | 29.154 | 1.019 | |
| 10/17/2016 4:45:00 AM | 369900.000 | 18.728 | 17.008 |
| 42.187 | 34312.098 | 40493.160 | 26.033 |
| 27.535 | 29.144 | 1.019 | |
| 10/17/2016 5:00:00 AM | 370800.000 | 18.730 | 17.008 |
| 42.192 | 34314.965 | 40496.703 | 26.036 |
| 27.538 | 29.142 | 1.019 | |
| 10/17/2016 5:15:00 AM | 371700.000 | 18.727 | 17.008 |
| 42.185 | 34336.914 | 40522.449 | 26.054 |
| 27.555 | 29.123 | 1.019 | |
| 10/17/2016 5:30:00 AM | 372600.000 | 18.726 | 17.007 |
| 42.182 | 34296.031 | 40474.840 | 26.020 |
| 27.523 | 29.158 | 1.019 | |
| 10/17/2016 5:45:00 AM | 373500.000 | 18.729 | 17.007 |
| 42.190 | 34370.797 | 40563.480 | 26.083 |
| 27.583 | 29.094 | 1.019 | |
| 10/17/2016 6:00:00 AM | 374400.000 | 18.730 | 17.007 |
| 42.192 | 34304.895 | 40485.547 | 26.028 |
| 27.530 | 29.150 | 1.019 | |
| 10/17/2016 6:15:00 AM | 375300.000 | 18.731 | 17.007 |
| 42.194 | 34306.727 | 40488.027 | 26.029 |
| 27.532 | 29.149 | 1.019 | |
| 10/17/2016 6:30:00 AM | 376200.000 | 18.731 | 17.007 |
| 42.193 | 34344.211 | 40532.344 | 26.061 |

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| 27.562 | 29.117 | 1.019 | |
| 10/17/2016 6:45:00 AM | 377100.000 | 18.729 | 17.007 |
| 42.189 | 34324.316 | 40508.785 | 26.044 |
| 27.546 | 29.134 | 1.019 | |
| 10/17/2016 7:00:00 AM | 378000.000 | 18.731 | 17.007 |
| 42.193 | 34307.180 | 40488.473 | 26.030 |
| 27.532 | 29.148 | 1.019 | |
| 10/17/2016 7:15:00 AM | 378900.000 | 18.734 | 17.007 |
| 42.201 | 34342.473 | 40529.648 | 26.059 |
| 27.560 | 29.118 | 1.019 | |
| 10/17/2016 7:30:00 AM | 379800.000 | 18.733 | 17.008 |
| 42.197 | 34350.824 | 40539.430 | 26.066 |
| 27.567 | 29.111 | 1.019 | |
| 10/17/2016 7:45:00 AM | 380700.000 | 18.736 | 17.008 |
| 42.204 | 34335.070 | 40520.035 | 26.052 |
| 27.554 | 29.125 | 1.019 | |
| 10/17/2016 8:00:00 AM | 381600.000 | 18.736 | 17.008 |
| 42.206 | 34300.883 | 40479.766 | 26.024 |
| 27.526 | 29.154 | 1.019 | |
| 10/17/2016 8:15:00 AM | 382500.000 | 18.734 | 17.009 |
| 42.201 | 34341.148 | 40526.250 | 26.057 |
| 27.558 | 29.120 | 1.019 | |
| 10/17/2016 8:30:00 AM | 383400.000 | 18.736 | 17.009 |
| 42.204 | 34322.363 | 40504.797 | 26.041 |
| 27.543 | 29.136 | 1.019 | |
| 10/17/2016 8:45:00 AM | 384300.000 | 18.738 | 17.009 |
| 42.208 | 34316.598 | 40497.512 | 26.036 |
| 27.538 | 29.140 | 1.019 | |
| 10/17/2016 9:00:00 AM | 385200.000 | 18.735 | 17.010 |
| 42.202 | 34314.145 | 40493.566 | 26.034 |
| 27.536 | 29.143 | 1.019 | |
| 10/17/2016 9:15:00 AM | 386100.000 | 18.736 | 17.010 |
| 42.204 | 34307.613 | 40486.582 | 26.029 |
| 27.531 | 29.148 | 1.019 | |
| 10/17/2016 9:30:00 AM | 387000.000 | 18.737 | 17.010 |
| 42.207 | 34282.293 | 40456.703 | 26.007 |
| 27.511 | 29.170 | 1.019 | |
| 10/17/2016 9:45:00 AM | 387900.000 | 18.738 | 17.010 |
| 42.210 | 34301.824 | 40479.027 | 26.023 |
| 27.526 | 29.153 | 1.019 | |
| 10/17/2016 10:00:00 AM | 388800.000 | 18.734 | 17.010 |
| 42.200 | 34311.379 | 40490.629 | 26.031 |
| 27.534 | 29.145 | 1.019 | |
| 10/17/2016 10:15:00 AM | 389700.000 | 18.740 | 17.010 |
| 42.213 | 34279.145 | 40452.430 | 26.004 |
| 27.508 | 29.172 | 1.019 | |
| 10/17/2016 10:30:00 AM | 390600.000 | 18.738 | 17.010 |
| 42.210 | 34282.797 | 40457.227 | 26.008 |
| 27.511 | 29.169 | 1.019 | |
| 10/17/2016 10:45:00 AM | 391500.000 | 18.736 | 17.010 |
| 42.204 | 34257.914 | 40427.695 | 25.987 |
| 27.491 | 29.190 | 1.019 | |
| 10/17/2016 11:00:00 AM | 392400.000 | 18.740 | 17.010 |
| 42.214 | 34284.793 | 40459.492 | 26.009 |
| 27.512 | 29.167 | 1.019 | |

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| 10/17/2016 11:15:00 AM | 393300.000 | 18.740 | 17.010 |
| 42.213 | 34254.820 | 40424.121 | 25.984 |
| 27.488 | 29.193 | 1.019 | |
| 10/17/2016 11:30:00 AM | 394200.000 | 18.742 | 17.009 |
| 42.218 | 34254.969 | 40424.707 | 25.985 |
| 27.489 | 29.193 | 1.019 | |
| 10/17/2016 11:45:00 AM | 395100.000 | 18.737 | 17.009 |
| 42.207 | 34279.469 | 40453.773 | 26.005 |
| 27.509 | 29.172 | 1.019 | |
| 10/17/2016 12:00:00 PM | 396000.000 | 18.744 | 17.009 |
| 42.222 | 34299.969 | 40477.965 | 26.022 |
| 27.525 | 29.155 | 1.019 | |
| 10/17/2016 12:15:00 PM | 396900.000 | 18.740 | 17.009 |
| 42.214 | 34307.109 | 40486.637 | 26.029 |
| 27.531 | 29.148 | 1.019 | |
| 10/17/2016 12:30:00 PM | 397800.000 | 18.741 | 17.009 |
| 42.216 | 34263.715 | 40435.340 | 25.992 |
| 27.496 | 29.185 | 1.019 | |
| 10/17/2016 12:45:00 PM | 398700.000 | 18.744 | 17.010 |
| 42.222 | 34232.305 | 40397.398 | 25.965 |
| 27.470 | 29.212 | 1.019 | |
| 10/17/2016 1:00:00 PM | 399600.000 | 18.745 | 17.009 |
| 42.224 | 34282.844 | 40457.680 | 26.008 |
| 27.511 | 29.169 | 1.019 | |
| 10/17/2016 1:15:00 PM | 400500.000 | 18.747 | 17.009 |
| 42.229 | 34260.211 | 40430.891 | 25.989 |
| 27.493 | 29.188 | 1.019 | |
| 10/17/2016 1:30:00 PM | 401400.000 | 18.745 | 17.009 |
| 42.225 | 34261.539 | 40432.301 | 25.990 |
| 27.494 | 29.187 | 1.019 | |
| 10/17/2016 1:45:00 PM | 402300.000 | 18.746 | 17.010 |
| 42.228 | 34301.391 | 40479.078 | 26.023 |
| 27.526 | 29.153 | 1.019 | |
| 10/17/2016 2:00:00 PM | 403200.000 | 18.745 | 17.009 |
| 42.225 | 34260.559 | 40431.145 | 25.989 |
| 27.493 | 29.188 | 1.019 | |
| 10/17/2016 2:15:00 PM | 404100.000 | 18.746 | 17.010 |
| 42.228 | 34283.883 | 40457.707 | 26.008 |
| 27.511 | 29.168 | 1.019 | |
| 10/17/2016 2:30:00 PM | 405000.000 | 18.742 | 17.010 |
| 42.218 | 34285.613 | 40460.383 | 26.010 |
| 27.513 | 29.167 | 1.019 | |
| 10/17/2016 2:45:00 PM | 405900.000 | 18.746 | 17.010 |
| 42.227 | 34316.984 | 40497.480 | 26.036 |
| 27.538 | 29.140 | 1.019 | |
| 10/17/2016 3:00:00 PM | 406800.000 | 18.748 | 17.011 |
| 42.231 | 34282.414 | 40455.648 | 26.007 |
| 27.510 | 29.169 | 1.019 | |
| 10/17/2016 3:15:00 PM | 407700.000 | 18.748 | 17.008 |
| 42.233 | 34283.457 | 40459.125 | 26.009 |
| 27.512 | 29.169 | 1.019 | |
| 10/17/2016 3:30:00 PM | 408600.000 | 18.746 | 17.009 |
| 42.227 | 34258.977 | 40429.836 | 25.988 |
| 27.492 | 29.189 | 1.019 | |
| 10/17/2016 3:45:00 PM | 409500.000 | 18.748 | 17.009 |

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| 42.232 | 34259.813 | 40431.055 | 25.989 |
| 27.493 | 29.189 | 1.019 | |
| 10/17/2016 4:00:00 PM | 410400.000 | 18.743 | 17.008 |
| 42.220 | 34281.172 | 40456.895 | 26.007 |
| 27.511 | 29.171 | 1.019 | |
| 10/17/2016 4:15:00 PM | 411300.000 | 18.748 | 17.008 |
| 42.231 | 34292.004 | 40469.848 | 26.017 |
| 27.519 | 29.161 | 1.019 | |
| 10/17/2016 4:30:00 PM | 412200.000 | 18.745 | 17.008 |
| 42.224 | 34306.254 | 40486.426 | 26.028 |
| 27.531 | 29.149 | 1.019 | |
| 10/17/2016 4:45:00 PM | 413100.000 | 18.747 | 17.007 |
| 42.229 | 34277.363 | 40452.809 | 26.004 |
| 27.508 | 29.174 | 1.019 | |
| 10/17/2016 5:00:00 PM | 414000.000 | 18.752 | 17.007 |
| 42.241 | 34291.926 | 40470.637 | 26.017 |
| 27.520 | 29.161 | 1.019 | |
| 10/17/2016 5:15:00 PM | 414900.000 | 18.746 | 17.005 |
| 42.228 | 34289.953 | 40470.223 | 26.017 |
| 27.520 | 29.163 | 1.019 | |
| 10/17/2016 5:30:00 PM | 415800.000 | 18.747 | 17.006 |
| 42.229 | 34292.371 | 40472.207 | 26.018 |
| 27.521 | 29.161 | 1.019 | |
| 10/17/2016 5:45:00 PM | 416700.000 | 18.747 | 17.005 |
| 42.229 | 34365.324 | 40558.621 | 26.080 |
| 27.580 | 29.099 | 1.019 | |
| 10/17/2016 6:00:00 PM | 417600.000 | 18.750 | 17.006 |
| 42.236 | 34300.359 | 40481.309 | 26.025 |
| 27.527 | 29.154 | 1.019 | |
| 10/17/2016 6:15:00 PM | 418500.000 | 18.749 | 17.004 |
| 42.234 | 34274.098 | 40451.914 | 26.004 |
| 27.507 | 29.177 | 1.019 | |
| 10/17/2016 6:30:00 PM | 419400.000 | 18.755 | 17.003 |
| 42.247 | 34329.547 | 40518.641 | 26.051 |
| 27.553 | 29.129 | 1.019 | |
| 10/17/2016 6:45:00 PM | 420300.000 | 18.746 | 17.004 |
| 42.227 | 34360.742 | 40554.422 | 26.077 |
| 27.577 | 29.103 | 1.019 | |
| 10/17/2016 7:00:00 PM | 421200.000 | 18.750 | 17.005 |
| 42.237 | 34301.355 | 40483.770 | 26.026 |
| 27.529 | 29.153 | 1.019 | |
| 10/17/2016 7:15:00 PM | 422100.000 | 18.753 | 17.004 |
| 42.243 | 34275.672 | 40453.535 | 26.005 |
| 27.508 | 29.175 | 1.019 | |
| 10/17/2016 7:30:00 PM | 423000.000 | 18.747 | 17.003 |
| 42.229 | 34279.309 | 40458.785 | 26.009 |
| 27.512 | 29.172 | 1.019 | |
| 10/17/2016 7:45:00 PM | 423900.000 | 18.749 | 17.004 |
| 42.235 | 34282.781 | 40462.094 | 26.011 |
| 27.514 | 29.169 | 1.019 | |
| 10/17/2016 8:00:00 PM | 424800.000 | 18.754 | 17.007 |
| 42.244 | 34299.844 | 40479.816 | 26.024 |
| 27.526 | 29.155 | 1.019 | |
| 10/17/2016 8:15:00 PM | 425700.000 | 18.750 | 17.011 |
| 42.237 | 34296.145 | 40471.602 | 26.018 |

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| 27.521 | 29.158 | 1.019 | |
| 10/17/2016 8:30:00 PM | 426600.000 | 18.750 | 17.013 |
| 42.236 | 34317.898 | 40495.918 | 26.035 |
| 27.537 | 29.139 | 1.019 | |
| 10/17/2016 8:45:00 PM | 427500.000 | 18.757 | 17.013 |
| 42.251 | 34328.848 | 40508.289 | 26.044 |
| 27.546 | 29.130 | 1.019 | |
| 10/17/2016 9:00:00 PM | 428400.000 | 18.749 | 17.013 |
| 42.234 | 34281.582 | 40452.352 | 26.004 |
| 27.508 | 29.170 | 1.019 | |
| 10/17/2016 9:15:00 PM | 429300.000 | 18.752 | 17.013 |
| 42.240 | 34311.035 | 40487.105 | 26.029 |
| 27.531 | 29.145 | 1.019 | |
| 10/17/2016 9:30:00 PM | 430200.000 | 18.753 | 17.014 |
| 42.243 | 34281.105 | 40451.301 | 26.004 |
| 27.507 | 29.171 | 1.019 | |
| 10/17/2016 9:45:00 PM | 431100.000 | 18.753 | 17.013 |
| 42.243 | 34290.824 | 40463.258 | 26.012 |
| 27.515 | 29.162 | 1.019 | |
| 10/17/2016 10:00:00 PM | 432000.000 | 18.753 | 17.013 |
| 42.243 | 34300.145 | 40474.328 | 26.020 |
| 27.523 | 29.154 | 1.019 | |
| 10/17/2016 10:15:00 PM | 432900.000 | 18.757 | 17.014 |
| 42.251 | 34267.906 | 40435.566 | 25.992 |
| 27.496 | 29.182 | 1.019 | |
| 10/17/2016 10:30:00 PM | 433800.000 | 18.756 | 17.014 |
| 42.251 | 34282.668 | 40452.824 | 26.005 |
| 27.508 | 29.169 | 1.019 | |
| 10/17/2016 10:45:00 PM | 434700.000 | 18.756 | 17.014 |
| 42.251 | 34206.887 | 40363.402 | 25.941 |
| 27.447 | 29.234 | 1.019 | |
| 10/17/2016 11:00:00 PM | 435600.000 | 18.760 | 17.013 |
| 42.259 | 34247.738 | 40412.414 | 25.976 |
| 27.480 | 29.199 | 1.019 | |
| 10/17/2016 11:15:00 PM | 436500.000 | 18.753 | 17.013 |
| 42.243 | 34205.094 | 40362.488 | 25.940 |
| 27.446 | 29.235 | 1.019 | |
| 10/17/2016 11:30:00 PM | 437400.000 | 18.764 | 17.013 |
| 42.267 | 34219.930 | 40379.602 | 25.953 |
| 27.458 | 29.223 | 1.019 | |
| 10/17/2016 11:45:00 PM | 438300.000 | 18.760 | 17.013 |
| 42.259 | 34238.816 | 40402.051 | 25.969 |
| 27.473 | 29.207 | 1.019 | |
| 10/18/2016 12:00:00 AM | 439200.000 | 18.758 | 17.014 |
| 42.255 | 34227.980 | 40388.855 | 25.959 |
| 27.464 | 29.216 | 1.019 | |
| 10/18/2016 12:15:00 AM | 440100.000 | 18.756 | 17.013 |
| 42.249 | 34238.090 | 40401.031 | 25.968 |
| 27.473 | 29.207 | 1.019 | |
| 10/18/2016 12:30:00 AM | 441000.000 | 18.760 | 17.013 |
| 42.259 | 34283.160 | 40454.289 | 26.006 |
| 27.509 | 29.169 | 1.019 | |
| 10/18/2016 12:45:00 AM | 441900.000 | 18.760 | 17.013 |
| 42.260 | 34234.672 | 40397.160 | 25.965 |
| 27.470 | 29.210 | 1.019 | |

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| 10/18/2016 1:00:00 AM | 442800.000 | 18.765 | 17.014 |
| 42.270 | 34215.785 | 40374.223 | 25.949 |
| 27.454 | 29.226 | 1.019 | |
| 10/18/2016 1:15:00 AM | 443700.000 | 18.767 | 17.014 |
| 42.273 | 34227.383 | 40387.672 | 25.958 |
| 27.464 | 29.216 | 1.019 | |
| 10/18/2016 1:30:00 AM | 444600.000 | 18.763 | 17.014 |
| 42.265 | 34210.797 | 40368.176 | 25.945 |
| 27.450 | 29.231 | 1.019 | |
| 10/18/2016 1:45:00 AM | 445500.000 | 18.770 | 17.014 |
| 42.280 | 34237.680 | 40399.898 | 25.967 |
| 27.472 | 29.208 | 1.019 | |
| 10/18/2016 2:00:00 AM | 446400.000 | 18.769 | 17.014 |
| 42.279 | 34214.922 | 40373.539 | 25.948 |
| 27.454 | 29.227 | 1.019 | |
| 10/18/2016 2:15:00 AM | 447300.000 | 18.760 | 17.014 |
| 42.260 | 34217.922 | 40376.355 | 25.950 |
| 27.456 | 29.224 | 1.019 | |
| 10/18/2016 2:30:00 AM | 448200.000 | 18.764 | 17.013 |
| 42.268 | 34239.410 | 40403.066 | 25.969 |
| 27.474 | 29.206 | 1.019 | |
| 10/18/2016 2:45:00 AM | 449100.000 | 18.765 | 17.014 |
| 42.271 | 34258.238 | 40424.484 | 25.985 |
| 27.489 | 29.190 | 1.019 | |
| 10/18/2016 3:00:00 AM | 450000.000 | 18.770 | 17.012 |
| 42.280 | 34220.484 | 40381.449 | 25.954 |
| 27.459 | 29.222 | 1.019 | |
| 10/18/2016 3:15:00 AM | 450900.000 | 18.764 | 17.012 |
| 42.267 | 34234.152 | 40397.340 | 25.965 |
| 27.470 | 29.211 | 1.019 | |
| 10/18/2016 3:30:00 AM | 451800.000 | 18.766 | 17.010 |
| 42.272 | 34200.199 | 40358.953 | 25.938 |
| 27.444 | 29.240 | 1.019 | |
| 10/18/2016 3:45:00 AM | 452700.000 | 18.768 | 17.009 |
| 42.277 | 34225.867 | 40390.441 | 25.960 |
| 27.466 | 29.218 | 1.019 | |
| 10/18/2016 4:00:00 AM | 453600.000 | 18.769 | 17.010 |
| 42.279 | 34261.684 | 40432.313 | 25.990 |
| 27.494 | 29.187 | 1.019 | |
| 10/18/2016 4:15:00 AM | 454500.000 | 18.771 | 17.010 |
| 42.283 | 34234.227 | 40399.910 | 25.967 |
| 27.472 | 29.211 | 1.019 | |
| 10/18/2016 4:30:00 AM | 455400.000 | 18.771 | 17.010 |
| 42.285 | 34247.738 | 40415.766 | 25.978 |
| 27.483 | 29.199 | 1.019 | |
| 10/18/2016 4:45:00 AM | 456300.000 | 18.768 | 17.010 |
| 42.277 | 34223.750 | 40387.301 | 25.958 |
| 27.463 | 29.219 | 1.019 | |
| 10/18/2016 5:00:00 AM | 457200.000 | 18.775 | 17.009 |
| 42.292 | 34231.254 | 40396.629 | 25.965 |
| 27.470 | 29.213 | 1.019 | |
| 10/18/2016 5:15:00 AM | 458100.000 | 18.773 | 17.009 |
| 42.289 | 34264.668 | 40436.465 | 25.993 |
| 27.497 | 29.185 | 1.019 | |
| 10/18/2016 5:30:00 AM | 459000.000 | 18.772 | 17.008 |

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| 42.285 | 34274.887 | 40449.320 | 26.002 |
| 27.506 | 29.176 | 1.019 | |
| 10/18/2016 5:45:00 AM | 459900.000 | 18.770 | 17.007 |
| 42.281 | 34210.750 | 40374.508 | 25.949 |
| 27.455 | 29.231 | 1.019 | |
| 10/18/2016 6:00:00 AM | 460800.000 | 18.772 | 17.007 |
| 42.285 | 34249.512 | 40420.504 | 25.981 |
| 27.486 | 29.197 | 1.019 | |
| 10/18/2016 6:15:00 AM | 461700.000 | 18.775 | 17.007 |
| 42.293 | 34281.355 | 40458.086 | 26.008 |
| 27.511 | 29.170 | 1.019 | |
| 10/18/2016 6:30:00 AM | 462600.000 | 18.774 | 17.007 |
| 42.290 | 34247.563 | 40417.953 | 25.980 |
| 27.484 | 29.199 | 1.019 | |
| 10/18/2016 6:45:00 AM | 463500.000 | 18.774 | 17.008 |
| 42.290 | 34235.629 | 40403.480 | 25.969 |
| 27.474 | 29.209 | 1.019 | |
| 10/18/2016 7:00:00 AM | 464400.000 | 18.774 | 17.009 |
| 42.290 | 34270.922 | 40444.164 | 25.998 |
| 27.502 | 29.179 | 1.019 | |
| 10/18/2016 7:15:00 AM | 465300.000 | 18.777 | 17.008 |
| 42.298 | 34247.848 | 40417.410 | 25.979 |
| 27.484 | 29.199 | 1.019 | |
| 10/18/2016 7:30:00 AM | 466200.000 | 18.775 | 17.006 |
| 42.293 | 34256.000 | 40428.566 | 25.987 |
| 27.491 | 29.192 | 1.019 | |
| 10/18/2016 7:45:00 AM | 467100.000 | 18.777 | 17.006 |
| 42.297 | 34260.387 | 40434.051 | 25.991 |
| 27.495 | 29.188 | 1.019 | |
| 10/18/2016 8:00:00 AM | 468000.000 | 18.774 | 17.006 |
| 42.290 | 34280.727 | 40458.465 | 26.008 |
| 27.512 | 29.171 | 1.019 | |
| 10/18/2016 8:15:00 AM | 468900.000 | 18.775 | 17.004 |
| 42.293 | 34260.789 | 40436.449 | 25.993 |
| 27.497 | 29.188 | 1.019 | |
| 10/18/2016 8:30:00 AM | 469800.000 | 18.778 | 17.004 |
| 42.299 | 34263.570 | 40439.809 | 25.995 |
| 27.499 | 29.186 | 1.019 | |
| 10/18/2016 8:45:00 AM | 470700.000 | 18.778 | 17.004 |
| 42.299 | 34258.402 | 40433.387 | 25.990 |
| 27.495 | 29.190 | 1.019 | |
| 10/18/2016 9:00:00 AM | 471600.000 | 18.778 | 17.003 |
| 42.299 | 34274.473 | 40453.164 | 26.004 |
| 27.508 | 29.176 | 1.019 | |
| 10/18/2016 9:15:00 AM | 472500.000 | 18.780 | 17.004 |
| 42.304 | 34283.641 | 40463.109 | 26.012 |
| 27.515 | 29.168 | 1.019 | |
| 10/18/2016 9:30:00 AM | 473400.000 | 18.779 | 17.003 |
| 42.302 | 34289.625 | 40471.688 | 26.018 |
| 27.521 | 29.163 | 1.019 | |
| 10/18/2016 9:45:00 AM | 474300.000 | 18.781 | 17.003 |
| 42.305 | 34275.770 | 40454.609 | 26.006 |
| 27.509 | 29.175 | 1.019 | |
| 10/18/2016 10:00:00 AM | 475200.000 | 18.778 | 17.004 |
| 42.299 | 34278.262 | 40456.758 | 26.007 |

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|---|---|---|---|
| 27.511 | 29.173 | 1.019 | |
| 10/18/2016 10:15:00 AM | 476100.000 | 18.782 | 17.003 |
| 42.308 | 34282.461 | 40462.508 | 26.011 |
| 27.515 | 29.169 | 1.019 | |
| 10/18/2016 10:30:00 AM | 477000.000 | 18.779 | 17.004 |
| 42.301 | 34294.301 | 40476.078 | 26.021 |
| 27.524 | 29.159 | 1.019 | |
| 10/18/2016 10:45:00 AM | 477900.000 | 18.781 | 17.004 |
| 42.306 | 34306.887 | 40490.770 | 26.031 |
| 27.534 | 29.149 | 1.019 | |
| 10/18/2016 11:00:00 AM | 478800.000 | 18.781 | 17.005 |
| 42.306 | 34277.574 | 40455.613 | 26.006 |
| 27.510 | 29.174 | 1.019 | |
| 10/18/2016 11:15:00 AM | 479700.000 | 18.785 | 17.004 |
| 42.316 | 34306.578 | 40490.492 | 26.031 |
| 27.534 | 29.149 | 1.019 | |
| 10/18/2016 11:30:00 AM | 480600.000 | 18.784 | 17.004 |
| 42.313 | 34292.918 | 40474.445 | 26.020 |
| 27.523 | 29.161 | 1.019 | |
| 10/18/2016 11:45:00 AM | 481500.000 | 18.781 | 17.003 |
| 42.305 | 34294.504 | 40477.355 | 26.022 |
| 27.525 | 29.159 | 1.019 | |
| 10/18/2016 12:00:00 PM | 482400.000 | 18.785 | 17.005 |
| 42.316 | 34302.145 | 40484.543 | 26.027 |
| 27.529 | 29.153 | 1.019 | |
| 10/18/2016 12:15:00 PM | 483300.000 | 18.790 | 17.004 |
| 42.327 | 34315.793 | 40500.965 | 26.039 |
| 27.541 | 29.141 | 1.019 | |
| 10/18/2016 12:30:00 PM | 484200.000 | 18.790 | 17.004 |
| 42.327 | 34323.543 | 40510.109 | 26.045 |
| 27.547 | 29.135 | 1.019 | |
| 10/18/2016 12:45:00 PM | 485100.000 | 18.792 | 17.004 |
| 42.330 | 34321.824 | 40508.805 | 26.044 |
| 27.546 | 29.136 | 1.019 | |
| 10/18/2016 1:00:00 PM | 486000.000 | 18.785 | 17.003 |
| 42.314 | 34319.121 | 40505.703 | 26.042 |
| 27.544 | 29.138 | 1.019 | |
| 10/18/2016 1:15:00 PM | 486900.000 | 18.789 | 17.003 |
| 42.325 | 34331.586 | 40520.809 | 26.053 |
| 27.554 | 29.128 | 1.019 | |
| 10/18/2016 1:30:00 PM | 487800.000 | 18.792 | 17.003 |
| 42.331 | 34323.141 | 40510.758 | 26.045 |
| 27.547 | 29.135 | 1.019 | |
| 10/18/2016 1:45:00 PM | 488700.000 | 18.787 | 17.004 |
| 42.319 | 34288.203 | 40468.883 | 26.016 |
| 27.519 | 29.165 | 1.019 | |
| 10/18/2016 2:00:00 PM | 489600.000 | 18.791 | 17.004 |
| 42.329 | 34277.855 | 40456.434 | 26.007 |
| 27.510 | 29.173 | 1.019 | |
| 10/18/2016 2:15:00 PM | 490500.000 | 18.789 | 17.005 |
| 42.324 | 34303.547 | 40486.266 | 26.028 |
| 27.531 | 29.152 | 1.019 | |
| 10/18/2016 2:30:00 PM | 491400.000 | 18.789 | 17.005 |
| 42.324 | 34349.539 | 40540.227 | 26.067 |
| 27.567 | 29.112 | 1.019 | |

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|---|---|---|---|
| 10/18/2016 2:45:00 PM | 492300.000 | 18.793 | 17.004 |
| 42.332 | 34340.234 | 40530.535 | 26.060 |
| 27.561 | 29.120 | 1.019 | |
| 10/18/2016 3:00:00 PM | 493200.000 | 18.792 | 17.005 |
| 42.330 | 34326.605 | 40512.926 | 26.047 |
| 27.549 | 29.132 | 1.019 | |
| 10/18/2016 3:15:00 PM | 494100.000 | 18.791 | 17.006 |
| 42.329 | 34318.820 | 40503.094 | 26.040 |
| 27.542 | 29.139 | 1.019 | |
| 10/18/2016 3:30:00 PM | 495000.000 | 18.790 | 17.006 |
| 42.327 | 34294.738 | 40474.285 | 26.020 |
| 27.523 | 29.159 | 1.019 | |
| 10/18/2016 3:45:00 PM | 495900.000 | 18.794 | 17.006 |
| 42.336 | 34315.902 | 40499.813 | 26.038 |
| 27.540 | 29.141 | 1.019 | |
| 10/18/2016 4:00:00 PM | 496800.000 | 18.791 | 17.006 |
| 42.327 | 34346.730 | 40536.195 | 26.064 |
| 27.565 | 29.115 | 1.019 | |
| 10/18/2016 4:15:00 PM | 497700.000 | 18.795 | 17.006 |
| 42.338 | 34321.426 | 40506.328 | 26.042 |
| 27.544 | 29.136 | 1.019 | |
| 10/18/2016 4:30:00 PM | 498600.000 | 18.795 | 17.006 |
| 42.337 | 34308.832 | 40491.223 | 26.032 |
| 27.534 | 29.147 | 1.019 | |
| 10/18/2016 4:45:00 PM | 499500.000 | 18.798 | 17.006 |
| 42.345 | 34322.352 | 40507.344 | 26.043 |
| 27.545 | 29.136 | 1.019 | |
| 10/18/2016 5:00:00 PM | 500400.000 | 18.799 | 17.004 |
| 42.348 | 34358.570 | 40552.176 | 26.075 |
| 27.575 | 29.105 | 1.019 | |
| 10/18/2016 5:15:00 PM | 501300.000 | 18.795 | 17.006 |
| 42.338 | 34321.754 | 40506.641 | 26.043 |
| 27.545 | 29.136 | 1.019 | |
| 10/18/2016 5:30:00 PM | 502200.000 | 18.798 | 17.007 |
| 42.344 | 34366.551 | 40558.785 | 26.080 |
| 27.580 | 29.098 | 1.019 | |
| 10/18/2016 5:45:00 PM | 503100.000 | 18.796 | 17.007 |
| 42.340 | 34314.117 | 40496.590 | 26.036 |
| 27.538 | 29.143 | 1.019 | |
| 10/18/2016 6:00:00 PM | 504000.000 | 18.797 | 17.005 |
| 42.343 | 34332.828 | 40520.504 | 26.053 |
| 27.554 | 29.127 | 1.019 | |
| 10/18/2016 6:15:00 PM | 504900.000 | 18.797 | 17.006 |
| 42.341 | 34352.336 | 40542.418 | 26.068 |
| 27.569 | 29.110 | 1.019 | |
| 10/18/2016 6:30:00 PM | 505800.000 | 18.800 | 17.006 |
| 42.349 | 34365.324 | 40557.980 | 26.079 |
| 27.579 | 29.099 | 1.019 | |
| 10/18/2016 6:45:00 PM | 506700.000 | 18.798 | 17.005 |
| 42.344 | 34374.586 | 40569.477 | 26.087 |
| 27.587 | 29.091 | 1.019 | |
| 10/18/2016 7:00:00 PM | 507600.000 | 18.800 | 17.005 |
| 42.349 | 34329.816 | 40517.270 | 26.050 |
| 27.552 | 29.129 | 1.019 | |
| 10/18/2016 7:15:00 PM | 508500.000 | 18.798 | 17.004 |

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|---|---|---|---|
| 42.345 | 34344.641 | 40535.102 | 26.063 |
| 27.564 | 29.117 | 1.019 | |
| 10/18/2016 7:30:00 PM | 509400.000 | 18.799 | 17.003 |
| 42.346 | 34359.918 | 40554.090 | 26.076 |
| 27.577 | 29.104 | 1.019 | |
| 10/18/2016 7:45:00 PM | 510300.000 | 18.799 | 17.003 |
| 42.346 | 34356.281 | 40549.559 | 26.073 |
| 27.574 | 29.107 | 1.019 | |
| 10/18/2016 8:00:00 PM | 511200.000 | 18.805 | 17.004 |
| 42.361 | 34385.441 | 40583.484 | 26.097 |
| 27.597 | 29.082 | 1.019 | |
| 10/18/2016 8:15:00 PM | 512100.000 | 18.800 | 17.001 |
| 42.348 | 34332.184 | 40522.965 | 26.054 |
| 27.556 | 29.127 | 1.019 | |
| 10/18/2016 8:30:00 PM | 513000.000 | 18.802 | 17.002 |
| 42.353 | 34322.051 | 40510.594 | 26.045 |
| 27.547 | 29.136 | 1.019 | |
| 10/18/2016 8:45:00 PM | 513900.000 | 18.803 | 17.001 |
| 42.356 | 34383.801 | 40584.203 | 26.098 |
| 27.597 | 29.083 | 1.019 | |
| 10/18/2016 9:00:00 PM | 514800.000 | 18.804 | 17.003 |
| 42.357 | 34387.656 | 40586.590 | 26.099 |
| 27.599 | 29.080 | 1.019 | |
| 10/18/2016 9:15:00 PM | 515700.000 | 18.801 | 17.010 |
| 42.351 | 34380.750 | 40572.094 | 26.089 |
| 27.589 | 29.086 | 1.019 | |
| 10/18/2016 9:30:00 PM | 516600.000 | 18.805 | 17.013 |
| 42.361 | 34349.078 | 40532.230 | 26.061 |
| 27.562 | 29.113 | 1.019 | |
| 10/18/2016 9:45:00 PM | 517500.000 | 18.804 | 17.014 |
| 42.357 | 34381.715 | 40570.016 | 26.088 |
| 27.588 | 29.085 | 1.019 | |
| 10/18/2016 10:00:00 PM | 518400.000 | 18.808 | 17.015 |
| 42.366 | 34342.641 | 40523.031 | 26.055 |
| 27.556 | 29.118 | 1.019 | |
| 10/18/2016 10:15:00 PM | 519300.000 | 18.811 | 17.014 |
| 42.373 | 34347.355 | 40528.996 | 26.059 |
| 27.560 | 29.114 | 1.019 | |
| 10/18/2016 10:30:00 PM | 520200.000 | 18.808 | 17.015 |
| 42.368 | 34320.746 | 40497.199 | 26.036 |
| 27.538 | 29.137 | 1.019 | |
| 10/18/2016 10:45:00 PM | 521100.000 | 18.812 | 17.015 |
| 42.375 | 34343.828 | 40523.953 | 26.055 |
| 27.556 | 29.117 | 1.019 | |
| 10/18/2016 11:00:00 PM | 522000.000 | 18.809 | 17.016 |
| 42.368 | 34309.148 | 40482.949 | 26.026 |
| 27.528 | 29.147 | 1.019 | |
| 10/18/2016 11:15:00 PM | 522900.000 | 18.807 | 17.016 |
| 42.365 | 34290.102 | 40460.160 | 26.010 |
| 27.513 | 29.163 | 1.019 | |
| 10/18/2016 11:30:00 PM | 523800.000 | 18.808 | 17.016 |
| 42.368 | 34253.500 | 40416.570 | 25.979 |
| 27.483 | 29.194 | 1.019 | |
| 10/18/2016 11:45:00 PM | 524700.000 | 18.809 | 17.015 |
| 42.369 | 34263.203 | 40428.820 | 25.988 |

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|---|---|---|---|
| 27.492 | 29.186 | 1.019 | |
| 10/19/2016 12:00:00 AM | 525600.000 | 18.812 | 17.015 |
| 42.377 | 34254.648 | 40418.969 | 25.981 |
| 27.485 | 29.193 | 1.019 | |
| 10/19/2016 12:15:00 AM | 526500.000 | 18.811 | 17.016 |
| 42.373 | 34228.359 | 40387.477 | 25.958 |
| 27.463 | 29.216 | 1.019 | |
| 10/19/2016 12:30:00 AM | 527400.000 | 18.810 | 17.016 |
| 42.372 | 34263.637 | 40429.172 | 25.988 |
| 27.492 | 29.185 | 1.019 | |
| 10/19/2016 12:45:00 AM | 528300.000 | 18.814 | 17.015 |
| 42.381 | 34251.090 | 40414.770 | 25.978 |
| 27.482 | 29.196 | 1.019 | |
| 10/19/2016 1:00:00 AM | 529200.000 | 18.811 | 17.015 |
| 42.374 | 34266.477 | 40433.160 | 25.991 |
| 27.495 | 29.183 | 1.019 | |
| 10/19/2016 1:15:00 AM | 530100.000 | 18.816 | 17.016 |
| 42.386 | 34216.793 | 40373.828 | 25.949 |
| 27.454 | 29.225 | 1.019 | |
| 10/19/2016 1:30:00 AM | 531000.000 | 18.813 | 17.016 |
| 42.378 | 34262.152 | 40426.941 | 25.986 |
| 27.490 | 29.187 | 1.019 | |
| 10/19/2016 1:45:00 AM | 531900.000 | 18.816 | 17.016 |
| 42.385 | 34222.313 | 40380.250 | 25.953 |
| 27.459 | 29.221 | 1.019 | |
| 10/19/2016 2:00:00 AM | 532800.000 | 18.818 | 17.016 |
| 42.389 | 34215.918 | 40372.941 | 25.948 |
| 27.454 | 29.226 | 1.019 | |
| 10/19/2016 2:15:00 AM | 533700.000 | 18.818 | 17.016 |
| 42.389 | 34219.043 | 40376.234 | 25.950 |
| 27.456 | 29.223 | 1.019 | |
| 10/19/2016 2:30:00 AM | 534600.000 | 18.812 | 17.016 |
| 42.375 | 34206.352 | 40361.016 | 25.940 |
| 27.445 | 29.234 | 1.019 | |
| 10/19/2016 2:45:00 AM | 535500.000 | 18.813 | 17.017 |
| 42.379 | 34194.066 | 40345.809 | 25.929 |
| 27.435 | 29.245 | 1.019 | |
| 10/19/2016 3:00:00 AM | 536400.000 | 18.817 | 17.017 |
| 42.388 | 34192.207 | 40343.445 | 25.927 |
| 27.434 | 29.246 | 1.019 | |
| 10/19/2016 3:15:00 AM | 537300.000 | 18.820 | 17.018 |
| 42.393 | 34190.629 | 40340.711 | 25.925 |
| 27.432 | 29.248 | 1.019 | |
| 10/19/2016 3:30:00 AM | 538200.000 | 18.818 | 17.017 |
| 42.390 | 34236.168 | 40395.316 | 25.964 |
| 27.469 | 29.209 | 1.019 | |
| 10/19/2016 3:45:00 AM | 539100.000 | 18.820 | 17.017 |
| 42.394 | 34214.703 | 40370.156 | 25.946 |
| 27.452 | 29.227 | 1.019 | |
| 10/19/2016 4:00:00 AM | 540000.000 | 18.820 | 17.018 |
| 42.394 | 34215.406 | 40370.500 | 25.946 |
| 27.452 | 29.227 | 1.019 | |
| 10/19/2016 4:15:00 AM | 540900.000 | 18.820 | 17.018 |
| 42.393 | 34221.246 | 40377.160 | 25.951 |
| 27.456 | 29.222 | 1.019 | |

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| 10/19/2016 4:30:00 AM | 541800.000 | 18.823 | 17.017 |
| 42.401 | 34251.746 | 40414.188 | 25.977 |
| 27.482 | 29.196 | 1.019 | |
| 10/19/2016 4:45:00 AM | 542700.000 | 18.818 | 17.016 |
| 42.389 | 34228.207 | 40386.965 | 25.958 |
| 27.463 | 29.216 | 1.019 | |
| 10/19/2016 5:00:00 AM | 543600.000 | 18.823 | 17.016 |
| 42.401 | 34209.633 | 40365.051 | 25.942 |
| 27.448 | 29.232 | 1.019 | |
| 10/19/2016 5:15:00 AM | 544500.000 | 18.824 | 17.016 |
| 42.402 | 34231.801 | 40391.539 | 25.961 |
| 27.466 | 29.213 | 1.019 | |
| 10/19/2016 5:30:00 AM | 545400.000 | 18.825 | 17.014 |
| 42.405 | 34190.527 | 40344.418 | 25.928 |
| 27.434 | 29.248 | 1.019 | |
| 10/19/2016 5:45:00 AM | 546300.000 | 18.826 | 17.015 |
| 42.407 | 34209.852 | 40366.590 | 25.943 |
| 27.449 | 29.231 | 1.019 | |
| 10/19/2016 6:00:00 AM | 547200.000 | 18.821 | 17.013 |
| 42.396 | 34261.629 | 40428.973 | 25.988 |
| 27.492 | 29.187 | 1.019 | |
| 10/19/2016 6:15:00 AM | 548100.000 | 18.823 | 17.012 |
| 42.401 | 34204.539 | 40362.316 | 25.940 |
| 27.446 | 29.236 | 1.019 | |
| 10/19/2016 6:30:00 AM | 549000.000 | 18.822 | 17.012 |
| 42.398 | 34274.734 | 40445.465 | 25.999 |
| 27.503 | 29.176 | 1.019 | |
| 10/19/2016 6:45:00 AM | 549900.000 | 18.826 | 17.012 |
| 42.407 | 34225.117 | 40387.402 | 25.958 |
| 27.463 | 29.218 | 1.019 | |
| 10/19/2016 7:00:00 AM | 550800.000 | 18.823 | 17.011 |
| 42.400 | 34249.051 | 40415.879 | 25.978 |
| 27.483 | 29.198 | 1.019 | |
| 10/19/2016 7:15:00 AM | 551700.000 | 18.824 | 17.011 |
| 42.402 | 34252.039 | 40419.887 | 25.981 |
| 27.486 | 29.195 | 1.019 | |
| 10/19/2016 7:30:00 AM | 552600.000 | 18.824 | 17.011 |
| 42.403 | 34240.508 | 40405.875 | 25.971 |
| 27.476 | 29.205 | 1.019 | |
| 10/19/2016 7:45:00 AM | 553500.000 | 18.825 | 17.011 |
| 42.405 | 34227.375 | 40390.699 | 25.960 |
| 27.466 | 29.216 | 1.019 | |
| 10/19/2016 8:00:00 AM | 554400.000 | 18.829 | 17.010 |
| 42.414 | 34252.270 | 40420.715 | 25.982 |
| 27.486 | 29.195 | 1.019 | |
| 10/19/2016 8:15:00 AM | 555300.000 | 18.830 | 17.010 |
| 42.416 | 34237.949 | 40403.648 | 25.970 |
| 27.474 | 29.207 | 1.019 | |
| 10/19/2016 8:30:00 AM | 556200.000 | 18.824 | 17.010 |
| 42.402 | 34230.875 | 40395.785 | 25.964 |
| 27.469 | 29.213 | 1.019 | |
| 10/19/2016 8:45:00 AM | 557100.000 | 18.825 | 17.010 |
| 42.405 | 34275.492 | 40447.805 | 26.001 |
| 27.505 | 29.175 | 1.019 | |
| 10/19/2016 9:00:00 AM | 558000.000 | 18.828 | 17.011 |

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| 42.411 | 34255.543 | 40423.383 | 25.984 |
| 27.488 | 29.192 | 1.019 | |
| 10/19/2016 9:15:00 AM | 558900.000 | 18.828 | 17.009 |
| 42.413 | 34248.313 | 40416.691 | 25.979 |
| 27.483 | 29.199 | 1.019 | |
| 10/19/2016 9:30:00 AM | 559800.000 | 18.827 | 17.010 |
| 42.409 | 34234.902 | 40399.984 | 25.967 |
| 27.472 | 29.210 | 1.019 | |
| 10/19/2016 9:45:00 AM | 560700.000 | 18.829 | 17.012 |
| 42.414 | 34287.625 | 40461.082 | 26.011 |
| 27.514 | 29.165 | 1.019 | |
| 10/19/2016 10:00:00 AM | 561600.000 | 18.829 | 17.013 |
| 42.414 | 34261.992 | 40429.781 | 25.988 |
| 27.492 | 29.187 | 1.019 | |
| 10/19/2016 10:15:00 AM | 562500.000 | 18.831 | 17.013 |
| 42.418 | 34258.867 | 40425.711 | 25.985 |
| 27.489 | 29.190 | 1.019 | |
| 10/19/2016 10:30:00 AM | 563400.000 | 18.832 | 17.015 |
| 42.422 | 34290.566 | 40461.914 | 26.011 |
| 27.514 | 29.163 | 1.019 | |
| 10/19/2016 10:45:00 AM | 564300.000 | 18.832 | 17.016 |
| 42.422 | 34270.383 | 40436.730 | 25.993 |
| 27.497 | 29.180 | 1.019 | |
| 10/19/2016 11:00:00 AM | 565200.000 | 18.831 | 17.016 |
| 42.419 | 34276.977 | 40444.270 | 25.999 |
| 27.502 | 29.174 | 1.019 | |
| 10/19/2016 11:15:00 AM | 566100.000 | 18.831 | 17.017 |
| 42.419 | 34250.320 | 40412.258 | 25.976 |
| 27.480 | 29.197 | 1.019 | |
| 10/19/2016 11:30:00 AM | 567000.000 | 18.833 | 17.017 |
| 42.424 | 34248.887 | 40410.254 | 25.975 |
| 27.479 | 29.198 | 1.019 | |
| 10/19/2016 11:45:00 AM | 567900.000 | 18.832 | 17.017 |
| 42.422 | 34261.477 | 40425.180 | 25.985 |
| 27.489 | 29.187 | 1.019 | |
| 10/19/2016 12:00:00 PM | 568800.000 | 18.833 | 17.018 |
| 42.423 | 34255.566 | 40417.816 | 25.980 |
| 27.484 | 29.192 | 1.019 | |
| 10/19/2016 12:15:00 PM | 569700.000 | 18.832 | 17.017 |
| 42.421 | 34275.219 | 40441.480 | 25.997 |
| 27.500 | 29.176 | 1.019 | |
| 10/19/2016 12:30:00 PM | 570600.000 | 18.829 | 17.016 |
| 42.414 | 34228.785 | 40387.570 | 25.958 |
| 27.464 | 29.215 | 1.019 | |
| 10/19/2016 12:45:00 PM | 571500.000 | 18.834 | 17.017 |
| 42.427 | 34305.301 | 40476.816 | 26.022 |
| 27.524 | 29.150 | 1.019 | |
| 10/19/2016 1:00:00 PM | 572400.000 | 18.834 | 17.017 |
| 42.425 | 34255.051 | 40417.523 | 25.980 |
| 27.484 | 29.193 | 1.019 | |
| 10/19/2016 1:15:00 PM | 573300.000 | 18.836 | 17.017 |
| 42.431 | 34252.813 | 40414.883 | 25.978 |
| 27.482 | 29.195 | 1.019 | |
| 10/19/2016 1:30:00 PM | 574200.000 | 18.833 | 17.018 |
| 42.422 | 34226.941 | 40383.883 | 25.956 |

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|---|---|---|---|
| 27.461 | 29.217 | 1.019 | |
| 10/19/2016 1:45:00 PM | 575100.000 | 18.832 | 17.017 |
| 42.422 | 34237.527 | 40396.766 | 25.965 |
| 27.470 | 29.208 | 1.019 | |
| 10/19/2016 2:00:00 PM | 576000.000 | 18.838 | 17.018 |
| 42.434 | 34230.559 | 40388.375 | 25.959 |
| 27.464 | 29.214 | 1.019 | |
| 10/19/2016 2:15:00 PM | 576900.000 | 18.837 | 17.017 |
| 42.432 | 34257.773 | 40420.578 | 25.982 |
| 27.486 | 29.190 | 1.019 | |
| 10/19/2016 2:30:00 PM | 577800.000 | 18.834 | 17.017 |
| 42.425 | 34248.398 | 40410.078 | 25.974 |
| 27.479 | 29.198 | 1.019 | |
| 10/19/2016 2:45:00 PM | 578700.000 | 18.838 | 17.017 |
| 42.435 | 34213.219 | 40368.328 | 25.945 |
| 27.450 | 29.228 | 1.019 | |
| 10/19/2016 3:00:00 PM | 579600.000 | 18.834 | 17.017 |
| 42.426 | 34250.660 | 40412.504 | 25.976 |
| 27.481 | 29.197 | 1.019 | |
| 10/19/2016 3:15:00 PM | 580500.000 | 18.838 | 17.017 |
| 42.434 | 34272.773 | 40438.906 | 25.995 |
| 27.498 | 29.178 | 1.019 | |
| 10/19/2016 3:30:00 PM | 581400.000 | 18.835 | 17.017 |
| 42.428 | 34281.047 | 40448.117 | 26.002 |
| 27.505 | 29.171 | 1.019 | |
| 10/19/2016 3:45:00 PM | 582300.000 | 18.837 | 17.016 |
| 42.432 | 34252.813 | 40416.164 | 25.979 |
| 27.483 | 29.195 | 1.019 | |
| 10/19/2016 4:00:00 PM | 583200.000 | 18.839 | 17.017 |
| 42.436 | 34253.016 | 40415.527 | 25.978 |
| 27.483 | 29.195 | 1.019 | |
| 10/19/2016 4:15:00 PM | 584100.000 | 18.837 | 17.017 |
| 42.433 | 34264.371 | 40428.836 | 25.988 |
| 27.492 | 29.185 | 1.019 | |
| 10/19/2016 4:30:00 PM | 585000.000 | 18.834 | 17.015 |
| 42.426 | 34221.723 | 40379.957 | 25.953 |
| 27.458 | 29.221 | 1.019 | |
| 10/19/2016 4:45:00 PM | 585900.000 | 18.840 | 17.014 |
| 42.439 | 34241.512 | 40404.262 | 25.970 |
| 27.475 | 29.204 | 1.019 | |
| 10/19/2016 5:00:00 PM | 586800.000 | 18.838 | 17.013 |
| 42.435 | 34248.367 | 40413.469 | 25.977 |
| 27.481 | 29.198 | 1.019 | |
| 10/19/2016 5:15:00 PM | 587700.000 | 18.838 | 17.013 |
| 42.434 | 34245.324 | 40409.566 | 25.974 |
| 27.479 | 29.201 | 1.019 | |
| 10/19/2016 5:30:00 PM | 588600.000 | 18.842 | 17.013 |
| 42.445 | 34248.313 | 40413.324 | 25.977 |
| 27.481 | 29.199 | 1.019 | |
| 10/19/2016 5:45:00 PM | 589500.000 | 18.843 | 17.014 |
| 42.446 | 34263.719 | 40431.027 | 25.989 |
| 27.493 | 29.185 | 1.019 | |
| 10/19/2016 6:00:00 PM | 590400.000 | 18.839 | 17.012 |
| 42.437 | 34272.719 | 40443.254 | 25.998 |
| 27.501 | 29.178 | 1.019 | |

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|---|---|---|---|
| 10/19/2016 6:15:00 PM | 591300.000 | 18.842 | 17.012 |
| 42.444 | 34238.473 | 40402.516 | 25.969 |
| 27.474 | 29.207 | 1.019 | |
| 10/19/2016 6:30:00 PM | 592200.000 | 18.840 | 17.011 |
| 42.438 | 34248.570 | 40415.551 | 25.978 |
| 27.483 | 29.198 | 1.019 | |
| 10/19/2016 6:45:00 PM | 593100.000 | 18.841 | 17.010 |
| 42.440 | 34227.781 | 40391.898 | 25.961 |
| 27.466 | 29.216 | 1.019 | |
| 10/19/2016 7:00:00 PM | 594000.000 | 18.842 | 17.012 |
| 42.445 | 34271.090 | 40441.652 | 25.997 |
| 27.500 | 29.179 | 1.019 | |
| 10/19/2016 7:15:00 PM | 594900.000 | 18.841 | 17.012 |
| 42.442 | 34259.121 | 40427.207 | 25.986 |
| 27.491 | 29.189 | 1.019 | |
| 10/19/2016 7:30:00 PM | 595800.000 | 18.845 | 17.011 |
| 42.449 | 34249.691 | 40416.949 | 25.979 |
| 27.484 | 29.197 | 1.019 | |
| 10/19/2016 7:45:00 PM | 596700.000 | 18.848 | 17.011 |
| 42.457 | 34286.270 | 40460.199 | 26.010 |
| 27.513 | 29.166 | 1.019 | |
| 10/19/2016 8:00:00 PM | 597600.000 | 18.840 | 17.011 |
| 42.440 | 34249.313 | 40416.105 | 25.979 |
| 27.483 | 29.198 | 1.019 | |
| 10/19/2016 8:15:00 PM | 598500.000 | 18.845 | 17.013 |
| 42.449 | 34274.797 | 40444.258 | 25.999 |
| 27.502 | 29.176 | 1.019 | |
| 10/19/2016 8:30:00 PM | 599400.000 | 18.841 | 17.016 |
| 42.441 | 34261.246 | 40426.352 | 25.986 |
| 27.490 | 29.187 | 1.019 | |
| 10/19/2016 8:45:00 PM | 600300.000 | 18.843 | 17.020 |
| 42.446 | 34266.121 | 40428.434 | 25.988 |
| 27.491 | 29.183 | 1.019 | |
| 10/19/2016 9:00:00 PM | 601200.000 | 18.843 | 17.021 |
| 42.446 | 34291.098 | 40456.934 | 26.008 |
| 27.511 | 29.162 | 1.019 | |
| 10/19/2016 9:15:00 PM | 602100.000 | 18.840 | 17.021 |
| 42.440 | 34305.320 | 40473.313 | 26.020 |
| 27.522 | 29.150 | 1.019 | |
| 10/19/2016 9:30:00 PM | 603000.000 | 18.844 | 17.022 |
| 42.448 | 34262.223 | 40421.422 | 25.983 |
| 27.487 | 29.187 | 1.019 | |
| 10/19/2016 9:45:00 PM | 603900.000 | 18.846 | 17.022 |
| 42.453 | 34234.617 | 40389.180 | 25.960 |
| 27.465 | 29.210 | 1.019 | |
| 10/19/2016 10:00:00 PM | 604800.000 | 18.841 | 17.023 |
| 42.441 | 34250.434 | 40407.043 | 25.973 |
| 27.477 | 29.197 | 1.019 | |
| 10/19/2016 10:15:00 PM | 605700.000 | 18.839 | 17.023 |
| 42.436 | 34199.750 | 40346.609 | 25.930 |
| 27.436 | 29.240 | 1.019 | |
| 10/19/2016 10:30:00 PM | 606600.000 | 18.846 | 17.023 |
| 42.453 | 34215.371 | 40365.195 | 25.943 |
| 27.448 | 29.227 | 1.019 | |
| 10/19/2016 10:45:00 PM | 607500.000 | 18.840 | 17.023 |

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|---|---|---|---|
| 42.439 | 34191.172 | 40336.566 | 25.922 |
| 27.429 | 29.247 | 1.019 | |
| 10/19/2016 11:00:00 PM | 608400.000 | 18.842 | 17.024 |
| 42.444 | 34183.258 | 40326.434 | 25.915 |
| 27.422 | 29.254 | 1.019 | |
| 10/19/2016 11:15:00 PM | 609300.000 | 18.844 | 17.024 |
| 42.448 | 34180.883 | 40324.039 | 25.914 |
| 27.420 | 29.256 | 1.019 | |
| 10/19/2016 11:30:00 PM | 610200.000 | 18.845 | 17.024 |
| 42.449 | 34158.531 | 40297.262 | 25.895 |
| 27.402 | 29.275 | 1.019 | |
| 10/19/2016 11:45:00 PM | 611100.000 | 18.842 | 17.024 |
| 42.445 | 34161.039 | 40300.223 | 25.897 |
| 27.404 | 29.273 | 1.019 | |

Report Date: 10/21/2016 8:25:16 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-4D Pre Test_2016-10-20_19-32-40-659.wsl
Create Date: 10/20/2016 7:32:32 PM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-4D
Device Name:
Serial Number: 392547
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 65
Used Battery(%): 30

Log Configuration
Log Name: MPWSP MW-4D Pre Test
Created By: ELinden
Computer Name: PROBOOK2
Application: WinSitu.exe
Application Version: 5.6.27.1
Create Date: 8/11/2016 4:54:12 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 8/11/2016 5:00:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: 264.121 (ft)
Head Pressure: 117.252 (PSI)
Temperature: 20.3603 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

Log Notes:

| Date and Time | Note |
|---|---|
| 8/11/2016 4:54:21 PM | Used Battery: 30% Used Memory: 68% User Name: ELinden |
| 8/11/2016 5:15:13 PM | Log Download - Used Battery: 30% Used Memory: 68% User Name: ELinden |
| 8/18/2016 11:37:17 AM | Log Download - Used Battery: 30% Used Memory: 68% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 11:30:00 AM |
| 8/25/2016 9:06:34 PM | Log Download - Used Battery: 30% Used Memory: 70% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 10:15:00 PM |
| 9/1/2016 4:53:56 PM | Log Download - Used Battery: 31% Used Memory: 70% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 5:45:00 PM |
| 9/8/2016 11:56:16 AM | Log Download - Used Battery: 31% Used Memory: 71% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 12:45:00 PM |
| 9/15/2016 5:38:32 PM | Log Download - Used Battery: 31% Used Memory: 71% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 6:30:00 PM |
| 9/22/2016 2:33:00 PM | Log Download - Used Battery: 32% Used Memory: 73% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 3:30:00 PM |
| 10/1/2016 3:15:09 PM | Log Download - Used Battery: 32% Used Memory: 73% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 4:00:00 PM |
| 10/6/2016 3:33:11 PM | Log Download - Used Battery: 32% Used Memory: 75% User Name: SKuiper Interval - Start Time: 9/28/2016 10:30:00 PM Stop Time: 10/6/2016 4:15:00 PM |
| 10/13/2016 7:35:56 PM | Log Download - Used Battery: 33% Used Memory: 75% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 7:30:00 PM |
| 10/20/2016 7:33:10 PM | Log Download - Used Battery: 33% Used Memory: 76% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 7:45:00 PM |

Log Data:
Record Count: 759
Sensors: 1
1 - 392547: PCTD 300 PSIG (211m/692ft)
Time Zone: Pacific Daylight Time

| | | Sensor: PCTD(G) 692ft | Sensor: PCTD(G) 692ft | Sensor: PCTD(G) 692ft | Sensor: PCTD(G) 692ft | Sensor: PCTD(G) 692ft | Sensor: PCTD(G) 692ft | Sensor: PCTD(G) 692ft | Sensor: PCTD(G) 692ft | Sensor: PCTD(G) 692ft |
|---|---|---|---|---|---|---|---|---|---|---|
| | Elapsed Time | SN#: 392547 | SN#: 392547 | SN#: 392547 | SN#: 392547 | SN#: 392547 | SN#: 392547 | SN#: 392547 | SN#: 392547 | SN#: 392547 |
| Date and Time | Seconds | Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppt) | Resistivity (ohm-cm) | Water Density (g/cm3) |
| 10/13/2016 12:00:00 AM | 7200.000 | 118.812 | 20.372 | 267.636 | 37742.055 | 41401.340 | 26.820 | 28.153 | 26.496 | 1.018 |
| 10/13/2016 12:15:00 AM | 8100.000 | 118.782 | 20.373 | | | | | | | |

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|---|---|---|---|
| 267.568 | 37715.527 | 41372.172 | 26.799 |
| 28.133 | 26.514 | 1.018 | |
| 10/13/2016 12:30:00 AM | 9000.000 | 118.780 | 20.373 |
| 267.563 | 37732.613 | 41390.914 | 26.812 |
| 28.146 | 26.502 | 1.018 | |
| 10/13/2016 12:45:00 AM | 9900.000 | 118.742 | 20.374 |
| 267.479 | 37735.797 | 41392.805 | 26.814 |
| 28.147 | 26.500 | 1.018 | |
| 10/13/2016 1:00:00 AM | 10800.000 | 118.730 | 20.376 |
| 267.452 | 37750.367 | 41407.574 | 26.824 |
| 28.157 | 26.490 | 1.018 | |
| 10/13/2016 1:15:00 AM | 11700.000 | 118.729 | 20.373 |
| 267.449 | 37744.219 | 41403.262 | 26.821 |
| 28.154 | 26.494 | 1.018 | |
| 10/13/2016 1:30:00 AM | 12600.000 | 118.701 | 20.373 |
| 267.386 | 37761.324 | 41422.254 | 26.835 |
| 28.167 | 26.482 | 1.018 | |
| 10/13/2016 1:45:00 AM | 13500.000 | 118.676 | 20.373 |
| 267.328 | 37727.980 | 41385.680 | 26.809 |
| 28.142 | 26.506 | 1.018 | |
| 10/13/2016 2:00:00 AM | 14400.000 | 118.644 | 20.371 |
| 267.258 | 37737.258 | 41397.531 | 26.817 |
| 28.150 | 26.499 | 1.018 | |
| 10/13/2016 2:15:00 AM | 15300.000 | 118.634 | 20.372 |
| 267.234 | 37737.844 | 41397.258 | 26.817 |
| 28.150 | 26.499 | 1.018 | |
| 10/13/2016 2:30:00 AM | 16200.000 | 118.628 | 20.375 |
| 267.221 | 37733.398 | 41389.340 | 26.811 |
| 28.145 | 26.502 | 1.018 | |
| 10/13/2016 2:45:00 AM | 17100.000 | 118.593 | 20.372 |
| 267.142 | 37701.977 | 41357.836 | 26.789 |
| 28.123 | 26.524 | 1.018 | |
| 10/13/2016 3:00:00 AM | 18000.000 | 118.587 | 20.373 |
| 267.129 | 37733.102 | 41391.297 | 26.813 |
| 28.146 | 26.502 | 1.018 | |
| 10/13/2016 3:15:00 AM | 18900.000 | 118.562 | 20.373 |
| 267.073 | 37715.105 | 41371.020 | 26.798 |
| 28.132 | 26.515 | 1.018 | |
| 10/13/2016 3:30:00 AM | 19800.000 | 118.563 | 20.373 |
| 267.075 | 37717.262 | 41374.074 | 26.800 |
| 28.134 | 26.513 | 1.018 | |
| 10/13/2016 3:45:00 AM | 20700.000 | 118.558 | 20.371 |
| 267.064 | 37733.270 | 41393.375 | 26.814 |
| 28.147 | 26.502 | 1.018 | |
| 10/13/2016 4:00:00 AM | 21600.000 | 118.563 | 20.368 |
| 267.075 | 37717.980 | 41378.883 | 26.804 |
| 28.138 | 26.513 | 1.018 | |
| 10/13/2016 4:15:00 AM | 22500.000 | 118.554 | 20.369 |
| 267.055 | 37723.430 | 41384.172 | 26.807 |
| 28.141 | 26.509 | 1.018 | |
| 10/13/2016 4:30:00 AM | 23400.000 | 118.557 | 20.369 |
| 267.060 | 37711.570 | 41370.559 | 26.798 |
| 28.132 | 26.517 | 1.018 | |
| 10/13/2016 4:45:00 AM | 24300.000 | 118.575 | 20.369 |
| 267.101 | 37728.141 | 41389.035 | 26.811 |
| 28.145 | 26.505 | 1.018 | |

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|---|---|---|---|
| 10/13/2016 5:00:00 AM | 25200.000 | 118.589 | 20.366 |
| 267.133 | 37712.898 | 41375.125 | 26.801 |
| 28.135 | 26.516 | 1.018 | |
| 10/13/2016 5:15:00 AM | 26100.000 | 118.593 | 20.364 |
| 267.143 | 37709.055 | 41372.734 | 26.799 |
| 28.133 | 26.519 | 1.018 | |
| 10/13/2016 5:30:00 AM | 27000.000 | 118.603 | 20.364 |
| 267.166 | 37717.313 | 41381.258 | 26.805 |
| 28.139 | 26.513 | 1.018 | |
| 10/13/2016 5:45:00 AM | 27900.000 | 118.652 | 20.367 |
| 267.275 | 37728.902 | 41391.387 | 26.812 |
| 28.146 | 26.505 | 1.018 | |
| 10/13/2016 6:00:00 AM | 28800.000 | 118.666 | 20.365 |
| 267.307 | 37705.430 | 41367.918 | 26.796 |
| 28.130 | 26.521 | 1.018 | |
| 10/13/2016 6:15:00 AM | 29700.000 | 118.685 | 20.368 |
| 267.349 | 37741.980 | 41405.438 | 26.823 |
| 28.156 | 26.496 | 1.018 | |
| 10/13/2016 6:30:00 AM | 30600.000 | 118.712 | 20.368 |
| 267.409 | 37719.570 | 41380.629 | 26.805 |
| 28.139 | 26.511 | 1.018 | |
| 10/13/2016 6:45:00 AM | 31500.000 | 118.712 | 20.363 |
| 267.410 | 37735.625 | 41402.492 | 26.820 |
| 28.154 | 26.500 | 1.018 | |
| 10/13/2016 7:00:00 AM | 32400.000 | 118.733 | 20.366 |
| 267.457 | 37738.449 | 41403.086 | 26.821 |
| 28.154 | 26.498 | 1.018 | |
| 10/13/2016 7:15:00 AM | 33300.000 | 118.749 | 20.367 |
| 267.495 | 37724.805 | 41386.742 | 26.809 |
| 28.143 | 26.508 | 1.018 | |
| 10/13/2016 7:30:00 AM | 34200.000 | 118.780 | 20.368 |
| 267.564 | 37750.746 | 41414.379 | 26.829 |
| 28.162 | 26.490 | 1.018 | |
| 10/13/2016 7:45:00 AM | 35100.000 | 118.796 | 20.368 |
| 267.600 | 37752.813 | 41417.016 | 26.831 |
| 28.164 | 26.488 | 1.018 | |
| 10/13/2016 8:00:00 AM | 36000.000 | 118.827 | 20.367 |
| 267.670 | 37736.715 | 41399.805 | 26.819 |
| 28.152 | 26.499 | 1.018 | |
| 10/13/2016 8:15:00 AM | 36900.000 | 118.864 | 20.367 |
| 267.753 | 37748.543 | 41413.391 | 26.828 |
| 28.161 | 26.491 | 1.018 | |
| 10/13/2016 8:30:00 AM | 37800.000 | 118.873 | 20.368 |
| 267.773 | 37735.152 | 41397.723 | 26.817 |
| 28.150 | 26.500 | 1.018 | |
| 10/13/2016 8:45:00 AM | 38700.000 | 118.896 | 20.371 |
| 267.826 | 37739.898 | 41400.344 | 26.819 |
| 28.152 | 26.497 | 1.018 | |
| 10/13/2016 9:00:00 AM | 39600.000 | 118.918 | 20.373 |
| 267.875 | 37765.840 | 41427.281 | 26.838 |
| 28.171 | 26.479 | 1.018 | |
| 10/13/2016 9:15:00 AM | 40500.000 | 118.930 | 20.371 |
| 267.901 | 37746.586 | 41407.230 | 26.824 |
| 28.157 | 26.492 | 1.018 | |
| 10/13/2016 9:30:00 AM | 41400.000 | 118.927 | 20.372 |
| 267.894 | 37766.914 | 41429.293 | 26.840 |

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|---|---|---|---|
| 28.172 | 26.478 | 1.018 | |
| 10/13/2016 9:45:00 AM | 42300.000 | 118.936 | 20.372 |
| 267.915 | 37740.152 | 41400.020 | 26.819 |
| 28.152 | 26.497 | 1.018 | |
| 10/13/2016 10:00:00 AM | 43200.000 | 118.942 | 20.375 |
| 267.929 | 37766.324 | 41425.383 | 26.837 |
| 28.169 | 26.479 | 1.018 | |
| 10/13/2016 10:15:00 AM | 44100.000 | 118.969 | 20.373 |
| 267.989 | 37742.004 | 41400.832 | 26.819 |
| 28.153 | 26.496 | 1.018 | |
| 10/13/2016 10:30:00 AM | 45000.000 | 118.948 | 20.373 |
| 267.943 | 37773.348 | 41435.516 | 26.844 |
| 28.176 | 26.474 | 1.018 | |
| 10/13/2016 10:45:00 AM | 45900.000 | 118.937 | 20.374 |
| 267.917 | 37727.480 | 41384.441 | 26.808 |
| 28.141 | 26.506 | 1.018 | |
| 10/13/2016 11:00:00 AM | 46800.000 | 118.947 | 20.378 |
| 267.939 | 37741.215 | 41395.941 | 26.816 |
| 28.149 | 26.496 | 1.018 | |
| 10/13/2016 11:15:00 AM | 47700.000 | 118.937 | 20.374 |
| 267.917 | 37757.188 | 41416.188 | 26.831 |
| 28.163 | 26.485 | 1.018 | |
| 10/13/2016 11:30:00 AM | 48600.000 | 118.967 | 20.374 |
| 267.985 | 37752.434 | 41411.055 | 26.827 |
| 28.160 | 26.488 | 1.018 | |
| 10/13/2016 11:45:00 AM | 49500.000 | 118.942 | 20.372 |
| 267.928 | 37751.063 | 41411.758 | 26.827 |
| 28.160 | 26.489 | 1.018 | |
| 10/13/2016 12:00:00 PM | 50400.000 | 118.919 | 20.373 |
| 267.876 | 37782.824 | 41445.301 | 26.851 |
| 28.183 | 26.467 | 1.018 | |
| 10/13/2016 12:15:00 PM | 51300.000 | 118.924 | 20.374 |
| 267.887 | 37755.195 | 41414.547 | 26.829 |
| 28.162 | 26.486 | 1.018 | |
| 10/13/2016 12:30:00 PM | 52200.000 | 118.888 | 20.371 |
| 267.807 | 37759.465 | 41421.508 | 26.834 |
| 28.167 | 26.483 | 1.018 | |
| 10/13/2016 12:45:00 PM | 53100.000 | 118.874 | 20.372 |
| 267.776 | 37767.469 | 41429.445 | 26.840 |
| 28.172 | 26.478 | 1.018 | |
| 10/13/2016 1:00:00 PM | 54000.000 | 118.856 | 20.372 |
| 267.734 | 37752.902 | 41414.004 | 26.829 |
| 28.162 | 26.488 | 1.018 | |
| 10/13/2016 1:15:00 PM | 54900.000 | 118.856 | 20.372 |
| 267.736 | 37762.063 | 41423.746 | 26.836 |
| 28.168 | 26.482 | 1.018 | |
| 10/13/2016 1:30:00 PM | 55800.000 | 118.826 | 20.371 |
| 267.668 | 37769.004 | 41432.043 | 26.842 |
| 28.174 | 26.477 | 1.018 | |
| 10/13/2016 1:45:00 PM | 56700.000 | 118.806 | 20.369 |
| 267.621 | 37770.418 | 41435.414 | 26.844 |
| 28.176 | 26.476 | 1.018 | |
| 10/13/2016 2:00:00 PM | 57600.000 | 118.795 | 20.372 |
| 267.596 | 37741.039 | 41400.383 | 26.819 |
| 28.152 | 26.496 | 1.018 | |
| 10/13/2016 2:15:00 PM | 58500.000 | 118.777 | 20.370 |

| | | | |
|---|---|---|---|
| 267.556 | 37785.152 | 41450.367 | 26.855 |
| 28.186 | 26.465 | 1.018 | |
| 10/13/2016 2:30:00 PM | 59400.000 | 118.778 | 20.373 |
| 267.558 | 37745.895 | 41405.402 | 26.823 |
| 28.156 | 26.493 | 1.018 | |
| 10/13/2016 2:45:00 PM | 60300.000 | 118.749 | 20.372 |
| 267.493 | 37763.152 | 41424.484 | 26.836 |
| 28.169 | 26.481 | 1.018 | |
| 10/13/2016 3:00:00 PM | 61200.000 | 118.739 | 20.369 |
| 267.470 | 37753.773 | 41416.859 | 26.831 |
| 28.163 | 26.487 | 1.018 | |
| 10/13/2016 3:15:00 PM | 62100.000 | 118.732 | 20.370 |
| 267.455 | 37778.949 | 41444.012 | 26.850 |
| 28.182 | 26.470 | 1.018 | |
| 10/13/2016 3:30:00 PM | 63000.000 | 118.715 | 20.372 |
| 267.417 | 37759.777 | 41420.863 | 26.834 |
| 28.166 | 26.483 | 1.018 | |
| 10/13/2016 3:45:00 PM | 63900.000 | 118.736 | 20.374 |
| 267.463 | 37732.984 | 41390.480 | 26.812 |
| 28.146 | 26.502 | 1.018 | |
| 10/13/2016 4:00:00 PM | 64800.000 | 118.724 | 20.366 |
| 267.438 | 37754.078 | 41420.449 | 26.833 |
| 28.166 | 26.487 | 1.018 | |
| 10/13/2016 4:15:00 PM | 65700.000 | 118.697 | 20.369 |
| 267.376 | 37745.250 | 41407.652 | 26.824 |
| 28.157 | 26.493 | 1.018 | |
| 10/13/2016 4:30:00 PM | 66600.000 | 118.704 | 20.370 |
| 267.393 | 37716.133 | 41375.031 | 26.801 |
| 28.135 | 26.514 | 1.018 | |
| 10/13/2016 4:45:00 PM | 67500.000 | 118.709 | 20.367 |
| 267.404 | 37749.449 | 41414.008 | 26.829 |
| 28.162 | 26.490 | 1.018 | |
| 10/13/2016 5:00:00 PM | 68400.000 | 118.715 | 20.365 |
| 267.417 | 37743.664 | 41410.012 | 26.826 |
| 28.159 | 26.495 | 1.018 | |
| 10/13/2016 5:15:00 PM | 69300.000 | 118.726 | 20.367 |
| 267.441 | 37755.137 | 41420.473 | 26.833 |
| 28.166 | 26.486 | 1.018 | |
| 10/13/2016 5:30:00 PM | 70200.000 | 118.742 | 20.365 |
| 267.479 | 37743.934 | 41409.707 | 26.826 |
| 28.159 | 26.494 | 1.018 | |
| 10/13/2016 5:45:00 PM | 71100.000 | 118.755 | 20.363 |
| 267.508 | 37754.090 | 41422.371 | 26.835 |
| 28.167 | 26.487 | 1.018 | |
| 10/13/2016 6:00:00 PM | 72000.000 | 118.766 | 20.364 |
| 267.532 | 37758.789 | 41426.918 | 26.838 |
| 28.170 | 26.484 | 1.018 | |
| 10/13/2016 6:15:00 PM | 72900.000 | 118.787 | 20.363 |
| 267.580 | 37771.930 | 41442.402 | 26.849 |
| 28.181 | 26.475 | 1.018 | |
| 10/13/2016 6:30:00 PM | 73800.000 | 118.790 | 20.364 |
| 267.587 | 37752.746 | 41420.434 | 26.833 |
| 28.166 | 26.488 | 1.018 | |
| 10/13/2016 6:45:00 PM | 74700.000 | 118.825 | 20.363 |
| 267.665 | 37741.281 | 41408.695 | 26.825 |
| 28.158 | 26.496 | 1.018 | |

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|---|---|---|---|
| 10/13/2016 7:00:00 PM | 75600.000 | 118.838 | 20.364 |
| 267.695 | 37764.422 | 41433.480 | 26.843 |
| 28.175 | 26.480 | 1.018 | |
| 10/13/2016 7:15:00 PM | 76500.000 | 118.858 | 20.368 |
| 267.739 | 37760.676 | 41425.723 | 26.837 |
| 28.169 | 26.483 | 1.018 | |
| 10/13/2016 7:30:00 PM | 77400.000 | 118.872 | 20.367 |
| 267.770 | 37764.430 | 41430.898 | 26.841 |
| 28.173 | 26.480 | 1.018 | |
| 10/13/2016 7:45:00 PM | 78300.000 | 118.920 | 20.368 |
| 267.880 | 37784.551 | 41452.211 | 26.856 |
| 28.188 | 26.466 | 1.018 | |
| 10/13/2016 8:00:00 PM | 79200.000 | 118.943 | 20.368 |
| 267.932 | 37768.789 | 41434.543 | 26.844 |
| 28.175 | 26.477 | 1.018 | |
| 10/13/2016 8:15:00 PM | 80100.000 | 118.965 | 20.368 |
| 267.979 | 37777.316 | 41443.898 | 26.850 |
| 28.182 | 26.471 | 1.018 | |
| 10/13/2016 8:30:00 PM | 81000.000 | 118.951 | 20.370 |
| 267.949 | 37785.809 | 41451.699 | 26.856 |
| 28.187 | 26.465 | 1.018 | |
| 10/13/2016 8:45:00 PM | 81900.000 | 118.986 | 20.369 |
| 268.028 | 37771.332 | 41436.723 | 26.845 |
| 28.177 | 26.475 | 1.018 | |
| 10/13/2016 9:00:00 PM | 82800.000 | 119.008 | 20.369 |
| 268.078 | 37801.301 | 41468.996 | 26.868 |
| 28.199 | 26.454 | 1.018 | |
| 10/13/2016 9:15:00 PM | 83700.000 | 118.992 | 20.369 |
| 268.041 | 37782.492 | 41448.590 | 26.854 |
| 28.185 | 26.467 | 1.018 | |
| 10/13/2016 9:30:00 PM | 84600.000 | 119.001 | 20.369 |
| 268.062 | 37770.133 | 41435.480 | 26.844 |
| 28.176 | 26.476 | 1.018 | |
| 10/13/2016 9:45:00 PM | 85500.000 | 119.014 | 20.371 |
| 268.090 | 37750.930 | 41412.746 | 26.828 |
| 28.161 | 26.489 | 1.018 | |
| 10/13/2016 10:00:00 PM | 86400.000 | 119.032 | 20.371 |
| 268.132 | 37789.203 | 41454.516 | 26.858 |
| 28.189 | 26.463 | 1.018 | |
| 10/13/2016 10:15:00 PM | 87300.000 | 119.026 | 20.372 |
| 268.117 | 37792.148 | 41456.750 | 26.860 |
| 28.191 | 26.461 | 1.018 | |
| 10/13/2016 10:30:00 PM | 88200.000 | 119.011 | 20.371 |
| 268.085 | 37793.504 | 41459.379 | 26.862 |
| 28.192 | 26.460 | 1.018 | |
| 10/13/2016 10:45:00 PM | 89100.000 | 119.016 | 20.372 |
| 268.094 | 37795.844 | 41460.574 | 26.862 |
| 28.193 | 26.458 | 1.018 | |
| 10/13/2016 11:00:00 PM | 90000.000 | 119.038 | 20.372 |
| 268.144 | 37778.605 | 41442.199 | 26.849 |
| 28.181 | 26.470 | 1.018 | |
| 10/13/2016 11:15:00 PM | 90900.000 | 119.002 | 20.372 |
| 268.065 | 37790.969 | 41455.457 | 26.859 |
| 28.190 | 26.461 | 1.018 | |
| 10/13/2016 11:30:00 PM | 91800.000 | 118.987 | 20.372 |
| 268.030 | 37768.098 | 41430.367 | 26.841 |

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|---|---|---|---|
| 28.173 | 26.477 | 1.018 | |
| 10/13/2016 11:45:00 PM | 92700.000 | 118.977 | 20.371 |
| 268.007 | 37752.359 | 41414.016 | 26.829 |
| 28.162 | 26.488 | 1.018 | |
| 10/14/2016 12:00:00 AM | 93600.000 | 118.975 | 20.370 |
| 268.003 | 37802.695 | 41469.691 | 26.869 |
| 28.199 | 26.453 | 1.018 | |
| 10/14/2016 12:15:00 AM | 94500.000 | 118.941 | 20.371 |
| 267.926 | 37798.895 | 41464.613 | 26.865 |
| 28.196 | 26.456 | 1.018 | |
| 10/14/2016 12:30:00 AM | 95400.000 | 118.922 | 20.373 |
| 267.884 | 37787.023 | 41450.066 | 26.855 |
| 28.186 | 26.464 | 1.018 | |
| 10/14/2016 12:45:00 AM | 96300.000 | 118.909 | 20.371 |
| 267.855 | 37797.215 | 41462.844 | 26.864 |
| 28.195 | 26.457 | 1.018 | |
| 10/14/2016 1:00:00 AM | 97200.000 | 118.910 | 20.373 |
| 267.857 | 37785.941 | 41449.258 | 26.854 |
| 28.185 | 26.465 | 1.018 | |
| 10/14/2016 1:15:00 AM | 98100.000 | 118.886 | 20.374 |
| 267.803 | 37814.996 | 41480.293 | 26.877 |
| 28.207 | 26.445 | 1.018 | |
| 10/14/2016 1:30:00 AM | 99000.000 | 118.841 | 20.371 |
| 267.701 | 37815.875 | 41483.918 | 26.879 |
| 28.209 | 26.444 | 1.018 | |
| 10/14/2016 1:45:00 AM | 99900.000 | 118.820 | 20.371 |
| 267.653 | 37786.219 | 41450.781 | 26.855 |
| 28.187 | 26.465 | 1.018 | |
| 10/14/2016 2:00:00 AM | 100800.000 | 118.792 | 20.371 |
| 267.591 | 37794.469 | 41460.438 | 26.862 |
| 28.193 | 26.459 | 1.018 | |
| 10/14/2016 2:15:00 AM | 101700.000 | 118.778 | 20.370 |
| 267.559 | 37797.547 | 41464.270 | 26.865 |
| 28.196 | 26.457 | 1.018 | |
| 10/14/2016 2:30:00 AM | 102600.000 | 118.751 | 20.370 |
| 267.498 | 37783.098 | 41448.273 | 26.854 |
| 28.185 | 26.467 | 1.018 | |
| 10/14/2016 2:45:00 AM | 103500.000 | 118.728 | 20.372 |
| 267.447 | 37792.633 | 41457.051 | 26.860 |
| 28.191 | 26.460 | 1.018 | |
| 10/14/2016 3:00:00 AM | 104400.000 | 118.741 | 20.369 |
| 267.477 | 37763.375 | 41427.922 | 26.839 |
| 28.171 | 26.481 | 1.018 | |
| 10/14/2016 3:15:00 AM | 105300.000 | 118.700 | 20.369 |
| 267.383 | 37771.313 | 41436.324 | 26.845 |
| 28.177 | 26.475 | 1.018 | |
| 10/14/2016 3:30:00 AM | 106200.000 | 118.685 | 20.367 |
| 267.349 | 37783.383 | 41451.082 | 26.855 |
| 28.187 | 26.467 | 1.018 | |
| 10/14/2016 3:45:00 AM | 107100.000 | 118.693 | 20.365 |
| 267.368 | 37789.293 | 41459.621 | 26.861 |
| 28.193 | 26.463 | 1.018 | |
| 10/14/2016 4:00:00 AM | 108000.000 | 118.658 | 20.365 |
| 267.288 | 37760.207 | 41428.160 | 26.839 |
| 28.171 | 26.483 | 1.018 | |
| 10/14/2016 4:15:00 AM | 108900.000 | 118.659 | 20.364 |

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|---|---|---|---|
| 267.291 | 37768.637 | 41437.570 | 26.846 |
| 28.178 | 26.477 | 1.018 | |
| 10/14/2016 4:30:00 AM | 109800.000 | 118.658 | 20.367 |
| 267.288 | 37775.270 | 41442.715 | 26.849 |
| 28.181 | 26.472 | 1.018 | |
| 10/14/2016 4:45:00 AM | 110700.000 | 118.673 | 20.369 |
| 267.322 | 37771.844 | 41437.211 | 26.845 |
| 28.177 | 26.475 | 1.018 | |
| 10/14/2016 5:00:00 AM | 111600.000 | 118.662 | 20.367 |
| 267.298 | 37780.758 | 41448.965 | 26.854 |
| 28.185 | 26.469 | 1.018 | |
| 10/14/2016 5:15:00 AM | 112500.000 | 118.671 | 20.365 |
| 267.319 | 37738.020 | 41403.219 | 26.821 |
| 28.154 | 26.498 | 1.018 | |
| 10/14/2016 5:30:00 AM | 113400.000 | 118.679 | 20.362 |
| 267.336 | 37766.715 | 41437.668 | 26.846 |
| 28.178 | 26.478 | 1.018 | |
| 10/14/2016 5:45:00 AM | 114300.000 | 118.689 | 20.359 |
| 267.360 | 37782.215 | 41456.875 | 26.859 |
| 28.191 | 26.467 | 1.018 | |
| 10/14/2016 6:00:00 AM | 115200.000 | 118.703 | 20.361 |
| 267.390 | 37758.633 | 41429.859 | 26.840 |
| 28.172 | 26.484 | 1.018 | |
| 10/14/2016 6:15:00 AM | 116100.000 | 118.713 | 20.359 |
| 267.414 | 37773.852 | 41447.770 | 26.853 |
| 28.184 | 26.473 | 1.018 | |
| 10/14/2016 6:30:00 AM | 117000.000 | 118.725 | 20.362 |
| 267.440 | 37755.848 | 41425.816 | 26.837 |
| 28.170 | 26.486 | 1.018 | |
| 10/14/2016 6:45:00 AM | 117900.000 | 118.742 | 20.355 |
| 267.479 | 37773.668 | 41450.922 | 26.855 |
| 28.187 | 26.473 | 1.018 | |
| 10/14/2016 7:00:00 AM | 118800.000 | 118.774 | 20.355 |
| 267.549 | 37748.637 | 41423.914 | 26.835 |
| 28.168 | 26.491 | 1.018 | |
| 10/14/2016 7:15:00 AM | 119700.000 | 118.802 | 20.360 |
| 267.613 | 37774.332 | 41447.695 | 26.853 |
| 28.184 | 26.473 | 1.018 | |
| 10/14/2016 7:30:00 AM | 120600.000 | 118.818 | 20.357 |
| 267.650 | 37783.395 | 41460.000 | 26.861 |
| 28.193 | 26.467 | 1.018 | |
| 10/14/2016 7:45:00 AM | 121500.000 | 118.858 | 20.359 |
| 267.739 | 37766.742 | 41440.207 | 26.847 |
| 28.179 | 26.478 | 1.018 | |
| 10/14/2016 8:00:00 AM | 122400.000 | 118.873 | 20.356 |
| 267.773 | 37762.813 | 41438.324 | 26.846 |
| 28.178 | 26.481 | 1.018 | |
| 10/14/2016 8:15:00 AM | 123300.000 | 118.903 | 20.360 |
| 267.840 | 37797.680 | 41473.082 | 26.871 |
| 28.202 | 26.457 | 1.018 | |
| 10/14/2016 8:30:00 AM | 124200.000 | 118.927 | 20.357 |
| 267.894 | 37767.059 | 41442.602 | 26.849 |
| 28.181 | 26.478 | 1.018 | |
| 10/14/2016 8:45:00 AM | 125100.000 | 118.959 | 20.357 |
| 267.966 | 37795.453 | 41473.762 | 26.871 |
| 28.202 | 26.458 | 1.018 | |

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|---|---|---|---|
| 10/14/2016 9:00:00 AM | 126000.000 | 118.965 | 20.357 |
| 267.980 | 37773.699 | 41449.129 | 26.854 |
| 28.185 | 26.473 | 1.018 | |
| 10/14/2016 9:15:00 AM | 126900.000 | 118.991 | 20.361 |
| 268.040 | 37797.465 | 41471.938 | 26.870 |
| 28.201 | 26.457 | 1.018 | |
| 10/14/2016 9:30:00 AM | 127800.000 | 119.016 | 20.360 |
| 268.094 | 37788.617 | 41462.984 | 26.864 |
| 28.195 | 26.463 | 1.018 | |
| 10/14/2016 9:45:00 AM | 128700.000 | 119.019 | 20.364 |
| 268.102 | 37794.242 | 41466.273 | 26.866 |
| 28.197 | 26.459 | 1.018 | |
| 10/14/2016 10:00:00 AM | 129600.000 | 119.032 | 20.365 |
| 268.130 | 37802.203 | 41473.402 | 26.871 |
| 28.202 | 26.453 | 1.018 | |
| 10/14/2016 10:15:00 AM | 130500.000 | 119.050 | 20.368 |
| 268.171 | 37813.910 | 41484.270 | 26.879 |
| 28.209 | 26.445 | 1.018 | |
| 10/14/2016 10:30:00 AM | 131400.000 | 119.066 | 20.368 |
| 268.207 | 37799.047 | 41467.738 | 26.867 |
| 28.198 | 26.456 | 1.018 | |
| 10/14/2016 10:45:00 AM | 132300.000 | 119.063 | 20.367 |
| 268.201 | 37765.488 | 41431.371 | 26.841 |
| 28.173 | 26.479 | 1.018 | |
| 10/14/2016 11:00:00 AM | 133200.000 | 119.067 | 20.368 |
| 268.209 | 37802.754 | 41471.582 | 26.870 |
| 28.201 | 26.453 | 1.018 | |
| 10/14/2016 11:15:00 AM | 134100.000 | 119.079 | 20.370 |
| 268.238 | 37787.035 | 41452.969 | 26.857 |
| 28.188 | 26.464 | 1.018 | |
| 10/14/2016 11:30:00 AM | 135000.000 | 119.055 | 20.370 |
| 268.184 | 37829.723 | 41499.801 | 26.891 |
| 28.220 | 26.434 | 1.018 | |
| 10/14/2016 11:45:00 AM | 135900.000 | 119.062 | 20.370 |
| 268.198 | 37808.727 | 41476.605 | 26.874 |
| 28.204 | 26.449 | 1.018 | |
| 10/14/2016 12:00:00 PM | 136800.000 | 119.048 | 20.370 |
| 268.168 | 37826.820 | 41496.457 | 26.888 |
| 28.218 | 26.436 | 1.018 | |
| 10/14/2016 12:15:00 PM | 137700.000 | 119.059 | 20.371 |
| 268.192 | 37809.496 | 41476.535 | 26.874 |
| 28.204 | 26.448 | 1.018 | |
| 10/14/2016 12:30:00 PM | 138600.000 | 119.048 | 20.370 |
| 268.168 | 37805.875 | 41473.863 | 26.872 |
| 28.202 | 26.451 | 1.018 | |
| 10/14/2016 12:45:00 PM | 139500.000 | 119.006 | 20.369 |
| 268.072 | 37835.719 | 41507.055 | 26.896 |
| 28.225 | 26.430 | 1.019 | |
| 10/14/2016 1:00:00 PM | 140400.000 | 119.020 | 20.370 |
| 268.104 | 37824.809 | 41494.176 | 26.887 |
| 28.216 | 26.438 | 1.018 | |
| 10/14/2016 1:15:00 PM | 141300.000 | 118.978 | 20.371 |
| 268.010 | 37814.953 | 41482.230 | 26.878 |
| 28.208 | 26.445 | 1.018 | |
| 10/14/2016 1:30:00 PM | 142200.000 | 118.954 | 20.370 |
| 267.957 | 37811.512 | 41479.734 | 26.876 |

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|---|---|---|---|
| 28.206 | 26.447 | 1.018 | |
| 10/14/2016 1:45:00 PM | 143100.000 | 118.942 | 20.371 |
| 267.929 | 37816.859 | 41485.000 | 26.880 |
| 28.210 | 26.443 | 1.018 | |
| 10/14/2016 2:00:00 PM | 144000.000 | 118.918 | 20.370 |
| 267.875 | 37772.172 | 41436.289 | 26.845 |
| 28.177 | 26.475 | 1.018 | |
| 10/14/2016 2:15:00 PM | 144900.000 | 118.894 | 20.368 |
| 267.820 | 37801.379 | 41469.926 | 26.869 |
| 28.200 | 26.454 | 1.018 | |
| 10/14/2016 2:30:00 PM | 145800.000 | 118.876 | 20.370 |
| 267.780 | 37796.461 | 41463.383 | 26.864 |
| 28.195 | 26.458 | 1.018 | |
| 10/14/2016 2:45:00 PM | 146700.000 | 118.857 | 20.371 |
| 267.736 | 37802.031 | 41468.805 | 26.868 |
| 28.199 | 26.454 | 1.018 | |
| 10/14/2016 3:00:00 PM | 147600.000 | 118.855 | 20.369 |
| 267.734 | 37810.391 | 41478.891 | 26.875 |
| 28.206 | 26.448 | 1.018 | |
| 10/14/2016 3:15:00 PM | 148500.000 | 118.810 | 20.369 |
| 267.632 | 37785.418 | 41451.871 | 26.856 |
| 28.187 | 26.465 | 1.018 | |
| 10/14/2016 3:30:00 PM | 149400.000 | 118.799 | 20.369 |
| 267.607 | 37831.414 | 41502.031 | 26.892 |
| 28.221 | 26.433 | 1.018 | |
| 10/14/2016 3:45:00 PM | 150300.000 | 118.780 | 20.370 |
| 267.564 | 37800.730 | 41468.066 | 26.868 |
| 28.198 | 26.455 | 1.018 | |
| 10/14/2016 4:00:00 PM | 151200.000 | 118.772 | 20.365 |
| 267.546 | 37792.457 | 41463.398 | 26.864 |
| 28.195 | 26.460 | 1.018 | |
| 10/14/2016 4:15:00 PM | 152100.000 | 118.751 | 20.367 |
| 267.498 | 37815.570 | 41486.855 | 26.881 |
| 28.211 | 26.444 | 1.018 | |
| 10/14/2016 4:30:00 PM | 153000.000 | 118.757 | 20.367 |
| 267.511 | 37782.793 | 41451.047 | 26.855 |
| 28.187 | 26.467 | 1.018 | |
| 10/14/2016 4:45:00 PM | 153900.000 | 118.751 | 20.366 |
| 267.498 | 37800.727 | 41471.711 | 26.870 |
| 28.201 | 26.455 | 1.018 | |
| 10/14/2016 5:00:00 PM | 154800.000 | 118.766 | 20.368 |
| 267.532 | 37790.945 | 41458.695 | 26.861 |
| 28.192 | 26.461 | 1.018 | |
| 10/14/2016 5:15:00 PM | 155700.000 | 118.742 | 20.367 |
| 267.477 | 37799.281 | 41468.445 | 26.868 |
| 28.199 | 26.456 | 1.018 | |
| 10/14/2016 5:30:00 PM | 156600.000 | 118.739 | 20.364 |
| 267.470 | 37777.820 | 41447.797 | 26.853 |
| 28.185 | 26.471 | 1.018 | |
| 10/14/2016 5:45:00 PM | 157500.000 | 118.757 | 20.366 |
| 267.513 | 37793.957 | 41463.602 | 26.864 |
| 28.195 | 26.459 | 1.018 | |
| 10/14/2016 6:00:00 PM | 158400.000 | 118.763 | 20.367 |
| 267.525 | 37762.816 | 41429.129 | 26.840 |
| 28.172 | 26.481 | 1.018 | |
| 10/14/2016 6:15:00 PM | 159300.000 | 118.806 | 20.367 |

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|---|---|---|---|
| 267.623 | 37799.637 | 41469.223 | 26.868 |
| 28.199 | 26.455 | 1.018 | |
| 10/14/2016 6:30:00 PM | 160200.000 | 118.788 | 20.370 |
| 267.581 | 37818.094 | 41487.043 | 26.881 |
| 28.211 | 26.442 | 1.018 | |
| 10/14/2016 6:45:00 PM | 161100.000 | 118.805 | 20.369 |
| 267.620 | 37801.656 | 41469.773 | 26.869 |
| 28.199 | 26.454 | 1.018 | |
| 10/14/2016 7:00:00 PM | 162000.000 | 118.818 | 20.368 |
| 267.650 | 37791.930 | 41459.559 | 26.862 |
| 28.193 | 26.461 | 1.018 | |
| 10/14/2016 7:15:00 PM | 162900.000 | 118.842 | 20.365 |
| 267.704 | 37813.945 | 41487.047 | 26.881 |
| 28.211 | 26.445 | 1.018 | |
| 10/14/2016 7:30:00 PM | 163800.000 | 118.847 | 20.361 |
| 267.715 | 37800.684 | 41475.395 | 26.873 |
| 28.203 | 26.455 | 1.018 | |
| 10/14/2016 7:45:00 PM | 164700.000 | 118.884 | 20.362 |
| 267.797 | 37790.793 | 41464.156 | 26.865 |
| 28.196 | 26.461 | 1.018 | |
| 10/14/2016 8:00:00 PM | 165600.000 | 118.905 | 20.362 |
| 267.846 | 37793.316 | 41466.781 | 26.867 |
| 28.197 | 26.460 | 1.018 | |
| 10/14/2016 8:15:00 PM | 166500.000 | 118.936 | 20.363 |
| 267.915 | 37793.852 | 41466.148 | 26.866 |
| 28.197 | 26.459 | 1.018 | |
| 10/14/2016 8:30:00 PM | 167400.000 | 118.982 | 20.363 |
| 268.018 | 37797.758 | 41470.660 | 26.869 |
| 28.200 | 26.457 | 1.018 | |
| 10/14/2016 8:45:00 PM | 168300.000 | 118.974 | 20.360 |
| 268.001 | 37790.895 | 41465.941 | 26.866 |
| 28.197 | 26.461 | 1.018 | |
| 10/14/2016 9:00:00 PM | 169200.000 | 118.993 | 20.362 |
| 268.044 | 37801.848 | 41476.359 | 26.873 |
| 28.204 | 26.454 | 1.018 | |
| 10/14/2016 9:15:00 PM | 170100.000 | 119.015 | 20.361 |
| 268.092 | 37803.625 | 41478.770 | 26.875 |
| 28.206 | 26.452 | 1.018 | |
| 10/14/2016 9:30:00 PM | 171000.000 | 119.046 | 20.361 |
| 268.163 | 37802.805 | 41477.941 | 26.875 |
| 28.205 | 26.453 | 1.018 | |
| 10/14/2016 9:45:00 PM | 171900.000 | 119.055 | 20.361 |
| 268.184 | 37806.191 | 41481.809 | 26.877 |
| 28.208 | 26.451 | 1.018 | |
| 10/14/2016 10:00:00 PM | 172800.000 | 119.061 | 20.363 |
| 268.196 | 37782.852 | 41454.609 | 26.858 |
| 28.189 | 26.467 | 1.018 | |
| 10/14/2016 10:15:00 PM | 173700.000 | 119.086 | 20.364 |
| 268.253 | 37800.457 | 41472.633 | 26.871 |
| 28.201 | 26.455 | 1.018 | |
| 10/14/2016 10:30:00 PM | 174600.000 | 119.100 | 20.365 |
| 268.285 | 37823.152 | 41497.004 | 26.888 |
| 28.218 | 26.439 | 1.018 | |
| 10/14/2016 10:45:00 PM | 175500.000 | 119.115 | 20.367 |
| 268.319 | 37814.926 | 41486.148 | 26.881 |
| 28.211 | 26.445 | 1.018 | |

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| 10/14/2016 11:00:00 PM | 176400.000 | 119.113 | 20.367 |
| 268.314 | 37802.473 | 41472.637 | 26.871 |
| 28.201 | 26.453 | 1.018 | |
| 10/14/2016 11:15:00 PM | 177300.000 | 119.124 | 20.370 |
| 268.339 | 37839.512 | 41510.305 | 26.898 |
| 28.227 | 26.427 | 1.019 | |
| 10/14/2016 11:30:00 PM | 178200.000 | 119.109 | 20.368 |
| 268.304 | 37799.996 | 41468.410 | 26.868 |
| 28.199 | 26.455 | 1.018 | |
| 10/14/2016 11:45:00 PM | 179100.000 | 119.097 | 20.368 |
| 268.278 | 37823.691 | 41494.855 | 26.887 |
| 28.217 | 26.438 | 1.018 | |
| 10/15/2016 12:00:00 AM | 180000.000 | 119.081 | 20.369 |
| 268.241 | 37816.012 | 41485.207 | 26.880 |
| 28.210 | 26.444 | 1.018 | |
| 10/15/2016 12:15:00 AM | 180900.000 | 119.110 | 20.369 |
| 268.307 | 37815.242 | 41484.516 | 26.880 |
| 28.209 | 26.444 | 1.018 | |
| 10/15/2016 12:30:00 AM | 181800.000 | 119.094 | 20.367 |
| 268.271 | 37823.867 | 41496.109 | 26.888 |
| 28.217 | 26.438 | 1.018 | |
| 10/15/2016 12:45:00 AM | 182700.000 | 119.052 | 20.366 |
| 268.177 | 37822.219 | 41494.910 | 26.887 |
| 28.217 | 26.439 | 1.018 | |
| 10/15/2016 1:00:00 AM | 183600.000 | 119.036 | 20.369 |
| 268.140 | 37857.305 | 41530.895 | 26.913 |
| 28.241 | 26.415 | 1.019 | |
| 10/15/2016 1:15:00 AM | 184500.000 | 119.032 | 20.367 |
| 268.132 | 37809.785 | 41480.121 | 26.876 |
| 28.206 | 26.448 | 1.018 | |
| 10/15/2016 1:30:00 AM | 185400.000 | 119.004 | 20.367 |
| 268.069 | 37805.996 | 41476.270 | 26.874 |
| 28.204 | 26.451 | 1.018 | |
| 10/15/2016 1:45:00 AM | 186300.000 | 118.990 | 20.368 |
| 268.037 | 37838.895 | 41511.758 | 26.899 |
| 28.228 | 26.428 | 1.019 | |
| 10/15/2016 2:00:00 AM | 187200.000 | 118.964 | 20.366 |
| 267.978 | 37833.656 | 41507.379 | 26.896 |
| 28.225 | 26.431 | 1.019 | |
| 10/15/2016 2:15:00 AM | 188100.000 | 118.937 | 20.366 |
| 267.917 | 37839.848 | 41514.172 | 26.901 |
| 28.230 | 26.427 | 1.019 | |
| 10/15/2016 2:30:00 AM | 189000.000 | 118.946 | 20.367 |
| 267.937 | 37812.520 | 41483.355 | 26.879 |
| 28.209 | 26.446 | 1.018 | |
| 10/15/2016 2:45:00 AM | 189900.000 | 118.900 | 20.366 |
| 267.835 | 37817.254 | 41489.160 | 26.883 |
| 28.213 | 26.443 | 1.018 | |
| 10/15/2016 3:00:00 AM | 190800.000 | 118.882 | 20.366 |
| 267.794 | 37802.262 | 41473.395 | 26.871 |
| 28.202 | 26.453 | 1.018 | |
| 10/15/2016 3:15:00 AM | 191700.000 | 118.862 | 20.367 |
| 267.749 | 37813.617 | 41484.938 | 26.880 |
| 28.210 | 26.445 | 1.018 | |
| 10/15/2016 3:30:00 AM | 192600.000 | 118.833 | 20.367 |
| 267.684 | 37786.594 | 41454.758 | 26.858 |

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| 28.189 | 26.464 | 1.018 | |
| 10/15/2016 3:45:00 AM | 193500.000 | 118.856 | 20.365 |
| 267.736 | 37815.414 | 41488.730 | 26.882 |
| 28.212 | 26.444 | 1.018 | |
| 10/15/2016 4:00:00 AM | 194400.000 | 118.851 | 20.366 |
| 267.723 | 37802.242 | 41472.840 | 26.871 |
| 28.202 | 26.453 | 1.018 | |
| 10/15/2016 4:15:00 AM | 195300.000 | 118.807 | 20.369 |
| 267.624 | 37818.715 | 41488.324 | 26.882 |
| 28.212 | 26.442 | 1.018 | |
| 10/15/2016 4:30:00 AM | 196200.000 | 118.806 | 20.369 |
| 267.621 | 37795.059 | 41462.375 | 26.864 |
| 28.194 | 26.458 | 1.018 | |
| 10/15/2016 4:45:00 AM | 197100.000 | 118.789 | 20.368 |
| 267.583 | 37818.824 | 41489.594 | 26.883 |
| 28.213 | 26.442 | 1.018 | |
| 10/15/2016 5:00:00 AM | 198000.000 | 118.792 | 20.369 |
| 267.590 | 37839.277 | 41511.414 | 26.899 |
| 28.228 | 26.428 | 1.019 | |
| 10/15/2016 5:15:00 AM | 198900.000 | 118.785 | 20.361 |
| 267.576 | 37801.895 | 41476.871 | 26.874 |
| 28.204 | 26.454 | 1.018 | |
| 10/15/2016 5:30:00 AM | 199800.000 | 118.788 | 20.364 |
| 267.581 | 37788.953 | 41460.469 | 26.862 |
| 28.193 | 26.463 | 1.018 | |
| 10/15/2016 5:45:00 AM | 200700.000 | 118.811 | 20.365 |
| 267.633 | 37805.348 | 41477.688 | 26.874 |
| 28.205 | 26.451 | 1.018 | |
| 10/15/2016 6:00:00 AM | 201600.000 | 118.808 | 20.367 |
| 267.628 | 37788.898 | 41457.594 | 26.860 |
| 28.191 | 26.463 | 1.018 | |
| 10/15/2016 6:15:00 AM | 202500.000 | 118.814 | 20.367 |
| 267.640 | 37795.172 | 41464.777 | 26.865 |
| 28.196 | 26.458 | 1.018 | |
| 10/15/2016 6:30:00 AM | 203400.000 | 118.826 | 20.364 |
| 267.668 | 37788.223 | 41459.355 | 26.861 |
| 28.192 | 26.463 | 1.018 | |
| 10/15/2016 6:45:00 AM | 204300.000 | 118.874 | 20.359 |
| 267.775 | 37818.773 | 41496.914 | 26.888 |
| 28.218 | 26.442 | 1.018 | |
| 10/15/2016 7:00:00 AM | 205200.000 | 118.886 | 20.364 |
| 267.803 | 37821.867 | 41496.582 | 26.888 |
| 28.218 | 26.440 | 1.018 | |
| 10/15/2016 7:15:00 AM | 206100.000 | 118.882 | 20.360 |
| 267.794 | 37816.414 | 41493.715 | 26.886 |
| 28.216 | 26.444 | 1.018 | |
| 10/15/2016 7:30:00 AM | 207000.000 | 118.905 | 20.363 |
| 267.846 | 37809.012 | 41482.629 | 26.878 |
| 28.208 | 26.449 | 1.018 | |
| 10/15/2016 7:45:00 AM | 207900.000 | 118.939 | 20.366 |
| 267.923 | 37840.273 | 41515.016 | 26.901 |
| 28.230 | 26.427 | 1.019 | |
| 10/15/2016 8:00:00 AM | 208800.000 | 118.987 | 20.360 |
| 268.030 | 37814.449 | 41491.176 | 26.884 |
| 28.214 | 26.445 | 1.018 | |
| 10/15/2016 8:15:00 AM | 209700.000 | 118.989 | 20.356 |

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|---|---|---|---|
| 268.034 | 37800.102 | 41478.941 | 26.875 |
| 28.206 | 26.455 | 1.018 | |
| 10/15/2016 8:30:00 AM | 210600.000 | 119.007 | 20.354 |
| 268.076 | 37814.898 | 41497.004 | 26.888 |
| 28.218 | 26.445 | 1.018 | |
| 10/15/2016 8:45:00 AM | 211500.000 | 119.044 | 20.353 |
| 268.158 | 37807.391 | 41489.672 | 26.883 |
| 28.213 | 26.450 | 1.018 | |
| 10/15/2016 9:00:00 AM | 212400.000 | 119.072 | 20.354 |
| 268.221 | 37803.320 | 41484.676 | 26.879 |
| 28.210 | 26.453 | 1.018 | |
| 10/15/2016 9:15:00 AM | 213300.000 | 119.096 | 20.356 |
| 268.275 | 37798.844 | 41477.789 | 26.874 |
| 28.205 | 26.456 | 1.018 | |
| 10/15/2016 9:30:00 AM | 214200.000 | 119.122 | 20.355 |
| 268.334 | 37823.238 | 41505.539 | 26.894 |
| 28.224 | 26.439 | 1.019 | |
| 10/15/2016 9:45:00 AM | 215100.000 | 119.148 | 20.354 |
| 268.392 | 37793.363 | 41473.668 | 26.871 |
| 28.202 | 26.460 | 1.018 | |
| 10/15/2016 10:00:00 AM | 216000.000 | 119.186 | 20.357 |
| 268.478 | 37829.309 | 41510.758 | 26.898 |
| 28.227 | 26.435 | 1.019 | |
| 10/15/2016 10:15:00 AM | 216900.000 | 119.180 | 20.357 |
| 268.464 | 37818.426 | 41498.816 | 26.889 |
| 28.219 | 26.442 | 1.018 | |
| 10/15/2016 10:30:00 AM | 217800.000 | 119.198 | 20.359 |
| 268.505 | 37846.844 | 41528.320 | 26.911 |
| 28.239 | 26.422 | 1.019 | |
| 10/15/2016 10:45:00 AM | 218700.000 | 119.208 | 20.360 |
| 268.529 | 37818.848 | 41496.156 | 26.888 |
| 28.217 | 26.442 | 1.018 | |
| 10/15/2016 11:00:00 AM | 219600.000 | 119.221 | 20.363 |
| 268.558 | 37826.359 | 41502.348 | 26.892 |
| 28.222 | 26.437 | 1.018 | |
| 10/15/2016 11:15:00 AM | 220500.000 | 119.224 | 20.365 |
| 268.563 | 37816.793 | 41490.027 | 26.883 |
| 28.213 | 26.443 | 1.018 | |
| 10/15/2016 11:30:00 AM | 221400.000 | 119.230 | 20.366 |
| 268.578 | 37868.891 | 41545.879 | 26.924 |
| 28.251 | 26.407 | 1.019 | |
| 10/15/2016 11:45:00 AM | 222300.000 | 119.237 | 20.367 |
| 268.594 | 37871.813 | 41548.402 | 26.925 |
| 28.253 | 26.405 | 1.019 | |
| 10/15/2016 12:00:00 PM | 223200.000 | 119.231 | 20.366 |
| 268.580 | 37821.695 | 41494.488 | 26.887 |
| 28.216 | 26.440 | 1.018 | |
| 10/15/2016 12:15:00 PM | 224100.000 | 119.211 | 20.367 |
| 268.534 | 37833.906 | 41507.195 | 26.896 |
| 28.225 | 26.431 | 1.019 | |
| 10/15/2016 12:30:00 PM | 225000.000 | 119.217 | 20.366 |
| 268.547 | 37835.082 | 41509.176 | 26.897 |
| 28.226 | 26.430 | 1.019 | |
| 10/15/2016 12:45:00 PM | 225900.000 | 119.206 | 20.366 |
| 268.524 | 37857.758 | 41533.746 | 26.915 |
| 28.243 | 26.415 | 1.019 | |

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|---|---|---|---|
| 10/15/2016 1:00:00 PM | 226800.000 | 119.188 | 20.365 |
| 268.484 | 37850.551 | 41526.676 | 26.910 |
| 28.238 | 26.420 | 1.019 | |
| 10/15/2016 1:15:00 PM | 227700.000 | 119.197 | 20.366 |
| 268.502 | 37830.316 | 41504.094 | 26.893 |
| 28.223 | 26.434 | 1.019 | |
| 10/15/2016 1:30:00 PM | 228600.000 | 119.154 | 20.365 |
| 268.405 | 37813.629 | 41486.555 | 26.881 |
| 28.211 | 26.445 | 1.018 | |
| 10/15/2016 1:45:00 PM | 229500.000 | 119.123 | 20.364 |
| 268.336 | 37837.668 | 41513.387 | 26.900 |
| 28.229 | 26.429 | 1.019 | |
| 10/15/2016 2:00:00 PM | 230400.000 | 119.114 | 20.366 |
| 268.315 | 37830.867 | 41504.320 | 26.894 |
| 28.223 | 26.433 | 1.019 | |
| 10/15/2016 2:15:00 PM | 231300.000 | 119.118 | 20.365 |
| 268.325 | 37847.020 | 41523.406 | 26.907 |
| 28.236 | 26.422 | 1.019 | |
| 10/15/2016 2:30:00 PM | 232200.000 | 119.060 | 20.364 |
| 268.195 | 37834.086 | 41509.602 | 26.897 |
| 28.227 | 26.431 | 1.019 | |
| 10/15/2016 2:45:00 PM | 233100.000 | 119.034 | 20.364 |
| 268.136 | 37841.363 | 41518.043 | 26.903 |
| 28.232 | 26.426 | 1.019 | |
| 10/15/2016 3:00:00 PM | 234000.000 | 119.041 | 20.365 |
| 268.152 | 37808.430 | 41480.996 | 26.877 |
| 28.207 | 26.449 | 1.018 | |
| 10/15/2016 3:15:00 PM | 234900.000 | 118.983 | 20.364 |
| 268.021 | 37838.504 | 41514.375 | 26.901 |
| 28.230 | 26.428 | 1.019 | |
| 10/15/2016 3:30:00 PM | 235800.000 | 118.967 | 20.363 |
| 267.986 | 37822.480 | 41497.938 | 26.889 |
| 28.219 | 26.439 | 1.018 | |
| 10/15/2016 3:45:00 PM | 236700.000 | 118.942 | 20.363 |
| 267.929 | 37829.688 | 41505.313 | 26.894 |
| 28.224 | 26.434 | 1.019 | |
| 10/15/2016 4:00:00 PM | 237600.000 | 118.919 | 20.364 |
| 267.876 | 37810.145 | 41483.336 | 26.879 |
| 28.209 | 26.448 | 1.018 | |
| 10/15/2016 4:15:00 PM | 238500.000 | 118.920 | 20.367 |
| 267.880 | 37818.492 | 41490.363 | 26.884 |
| 28.213 | 26.442 | 1.018 | |
| 10/15/2016 4:30:00 PM | 239400.000 | 118.876 | 20.363 |
| 267.780 | 37797.754 | 41471.105 | 26.870 |
| 28.200 | 26.457 | 1.018 | |
| 10/15/2016 4:45:00 PM | 240300.000 | 118.895 | 20.364 |
| 267.824 | 37834.328 | 41510.254 | 26.898 |
| 28.227 | 26.431 | 1.019 | |
| 10/15/2016 5:00:00 PM | 241200.000 | 118.846 | 20.364 |
| 267.713 | 37836.969 | 41512.691 | 26.900 |
| 28.229 | 26.429 | 1.019 | |
| 10/15/2016 5:15:00 PM | 242100.000 | 118.840 | 20.364 |
| 267.698 | 37842.043 | 41518.566 | 26.904 |
| 28.233 | 26.426 | 1.019 | |
| 10/15/2016 5:30:00 PM | 243000.000 | 118.829 | 20.363 |
| 267.674 | 37816.500 | 41490.996 | 26.884 |

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| 28.214 | 26.443 | 1.018 | |
| 10/15/2016 5:45:00 PM | 243900.000 | 118.829 | 20.363 |
| 267.673 | 37818.379 | 41493.285 | 26.886 |
| 28.215 | 26.442 | 1.018 | |
| 10/15/2016 6:00:00 PM | 244800.000 | 118.829 | 20.361 |
| 267.674 | 37805.617 | 41481.410 | 26.877 |
| 28.207 | 26.451 | 1.018 | |
| 10/15/2016 6:15:00 PM | 245700.000 | 118.846 | 20.364 |
| 267.712 | 37795.496 | 41467.648 | 26.867 |
| 28.198 | 26.458 | 1.018 | |
| 10/15/2016 6:30:00 PM | 246600.000 | 118.827 | 20.360 |
| 267.670 | 37807.371 | 41483.633 | 26.879 |
| 28.209 | 26.450 | 1.018 | |
| 10/15/2016 6:45:00 PM | 247500.000 | 118.834 | 20.357 |
| 267.686 | 37797.309 | 41475.266 | 26.872 |
| 28.203 | 26.457 | 1.018 | |
| 10/15/2016 7:00:00 PM | 248400.000 | 118.853 | 20.359 |
| 267.729 | 37825.262 | 41504.035 | 26.893 |
| 28.223 | 26.437 | 1.019 | |
| 10/15/2016 7:15:00 PM | 249300.000 | 118.870 | 20.362 |
| 267.765 | 37819.434 | 41495.359 | 26.887 |
| 28.217 | 26.441 | 1.018 | |
| 10/15/2016 7:30:00 PM | 250200.000 | 118.882 | 20.355 |
| 267.794 | 37815.680 | 41497.172 | 26.888 |
| 28.218 | 26.444 | 1.018 | |
| 10/15/2016 7:45:00 PM | 251100.000 | 118.913 | 20.350 |
| 267.863 | 37820.742 | 41507.219 | 26.895 |
| 28.225 | 26.441 | 1.019 | |
| 10/15/2016 8:00:00 PM | 252000.000 | 118.930 | 20.355 |
| 267.901 | 37808.574 | 41489.828 | 26.883 |
| 28.213 | 26.449 | 1.018 | |
| 10/15/2016 8:15:00 PM | 252900.000 | 118.946 | 20.358 |
| 267.937 | 37817.352 | 41496.648 | 26.888 |
| 28.218 | 26.443 | 1.018 | |
| 10/15/2016 8:30:00 PM | 253800.000 | 118.969 | 20.360 |
| 267.989 | 37811.266 | 41488.516 | 26.882 |
| 28.212 | 26.447 | 1.018 | |
| 10/15/2016 8:45:00 PM | 254700.000 | 118.998 | 20.358 |
| 268.054 | 37836.441 | 41517.676 | 26.903 |
| 28.232 | 26.430 | 1.019 | |
| 10/15/2016 9:00:00 PM | 255600.000 | 119.050 | 20.360 |
| 268.171 | 37780.809 | 41454.570 | 26.858 |
| 28.189 | 26.468 | 1.018 | |
| 10/15/2016 9:15:00 PM | 256500.000 | 119.048 | 20.357 |
| 268.168 | 37783.789 | 41460.434 | 26.862 |
| 28.193 | 26.466 | 1.018 | |
| 10/15/2016 9:30:00 PM | 257400.000 | 119.066 | 20.359 |
| 268.207 | 37807.906 | 41485.289 | 26.880 |
| 28.210 | 26.449 | 1.018 | |
| 10/15/2016 9:45:00 PM | 258300.000 | 119.107 | 20.360 |
| 268.300 | 37843.574 | 41523.133 | 26.907 |
| 28.236 | 26.425 | 1.019 | |
| 10/15/2016 10:00:00 PM | 259200.000 | 119.121 | 20.356 |
| 268.331 | 37824.586 | 41506.414 | 26.895 |
| 28.224 | 26.438 | 1.019 | |
| 10/15/2016 10:15:00 PM | 260100.000 | 119.147 | 20.360 |

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| 268.390 | 37843.332 | 41522.949 | 26.907 |
| 28.236 | 26.425 | 1.019 | |
| 10/15/2016 10:30:00 PM | 261000.000 | 119.160 | 20.359 |
| 268.420 | 37805.020 | 41481.750 | 26.877 |
| 28.208 | 26.452 | 1.018 | |
| 10/15/2016 10:45:00 PM | 261900.000 | 119.166 | 20.357 |
| 268.432 | 37816.055 | 41495.684 | 26.887 |
| 28.217 | 26.444 | 1.018 | |
| 10/15/2016 11:00:00 PM | 262800.000 | 119.190 | 20.356 |
| 268.487 | 37807.914 | 41487.660 | 26.881 |
| 28.212 | 26.449 | 1.018 | |
| 10/15/2016 11:15:00 PM | 263700.000 | 119.199 | 20.356 |
| 268.508 | 37819.043 | 41500.258 | 26.890 |
| 28.220 | 26.442 | 1.019 | |
| 10/15/2016 11:30:00 PM | 264600.000 | 119.210 | 20.357 |
| 268.532 | 37860.871 | 41545.016 | 26.923 |
| 28.251 | 26.412 | 1.019 | |
| 10/15/2016 11:45:00 PM | 265500.000 | 119.220 | 20.357 |
| 268.554 | 37820.254 | 41500.211 | 26.890 |
| 28.220 | 26.441 | 1.018 | |
| 10/16/2016 12:00:00 AM | 266400.000 | 119.212 | 20.357 |
| 268.537 | 37834.355 | 41516.449 | 26.902 |
| 28.231 | 26.431 | 1.019 | |
| 10/16/2016 12:15:00 AM | 267300.000 | 119.217 | 20.356 |
| 268.547 | 37840.422 | 41523.938 | 26.907 |
| 28.236 | 26.427 | 1.019 | |
| 10/16/2016 12:30:00 AM | 268200.000 | 119.241 | 20.358 |
| 268.603 | 37859.707 | 41542.820 | 26.921 |
| 28.249 | 26.413 | 1.019 | |
| 10/16/2016 12:45:00 AM | 269100.000 | 119.221 | 20.358 |
| 268.558 | 37846.891 | 41529.363 | 26.911 |
| 28.240 | 26.422 | 1.019 | |
| 10/16/2016 1:00:00 AM | 270000.000 | 119.202 | 20.357 |
| 268.514 | 37851.012 | 41534.113 | 26.915 |
| 28.243 | 26.419 | 1.019 | |
| 10/16/2016 1:15:00 AM | 270900.000 | 119.199 | 20.359 |
| 268.508 | 37868.176 | 41551.801 | 26.928 |
| 28.255 | 26.407 | 1.019 | |
| 10/16/2016 1:30:00 AM | 271800.000 | 119.211 | 20.359 |
| 268.534 | 37838.965 | 41519.219 | 26.904 |
| 28.233 | 26.428 | 1.019 | |
| 10/16/2016 1:45:00 AM | 272700.000 | 119.187 | 20.359 |
| 268.481 | 37837.348 | 41517.898 | 26.903 |
| 28.232 | 26.429 | 1.019 | |
| 10/16/2016 2:00:00 AM | 273600.000 | 119.152 | 20.359 |
| 268.402 | 37855.328 | 41537.246 | 26.917 |
| 28.245 | 26.416 | 1.019 | |
| 10/16/2016 2:15:00 AM | 274500.000 | 119.139 | 20.361 |
| 268.372 | 37818.492 | 41495.082 | 26.887 |
| 28.217 | 26.442 | 1.018 | |
| 10/16/2016 2:30:00 AM | 275400.000 | 119.122 | 20.360 |
| 268.334 | 37824.289 | 41502.438 | 26.892 |
| 28.222 | 26.438 | 1.019 | |
| 10/16/2016 2:45:00 AM | 276300.000 | 119.106 | 20.358 |
| 268.298 | 37834.098 | 41514.492 | 26.901 |
| 28.230 | 26.431 | 1.019 | |

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| 10/16/2016 3:00:00 AM | 277200.000 | 119.075 | 20.360 |
| 268.227 | 37826.438 | 41505.012 | 26.894 |
| 28.223 | 26.437 | 1.019 | |
| 10/16/2016 3:15:00 AM | 278100.000 | 119.063 | 20.355 |
| 268.201 | 37828.840 | 41511.465 | 26.898 |
| 28.228 | 26.435 | 1.019 | |
| 10/16/2016 3:30:00 AM | 279000.000 | 119.083 | 20.357 |
| 268.246 | 37822.543 | 41503.488 | 26.893 |
| 28.222 | 26.439 | 1.019 | |
| 10/16/2016 3:45:00 AM | 279900.000 | 119.032 | 20.358 |
| 268.130 | 37859.336 | 41543.020 | 26.921 |
| 28.249 | 26.414 | 1.019 | |
| 10/16/2016 4:00:00 AM | 280800.000 | 119.032 | 20.355 |
| 268.132 | 37800.742 | 41480.852 | 26.876 |
| 28.207 | 26.455 | 1.018 | |
| 10/16/2016 4:15:00 AM | 281700.000 | 119.004 | 20.357 |
| 268.069 | 37817.703 | 41497.871 | 26.889 |
| 28.219 | 26.443 | 1.018 | |
| 10/16/2016 4:30:00 AM | 282600.000 | 118.989 | 20.359 |
| 268.034 | 37840.273 | 41521.184 | 26.906 |
| 28.234 | 26.427 | 1.019 | |
| 10/16/2016 4:45:00 AM | 283500.000 | 118.974 | 20.356 |
| 268.001 | 37849.906 | 41534.051 | 26.915 |
| 28.243 | 26.420 | 1.019 | |
| 10/16/2016 5:00:00 AM | 284400.000 | 118.969 | 20.359 |
| 267.989 | 37852.301 | 41534.004 | 26.915 |
| 28.243 | 26.418 | 1.019 | |
| 10/16/2016 5:15:00 AM | 285300.000 | 118.960 | 20.359 |
| 267.969 | 37830.977 | 41510.980 | 26.898 |
| 28.227 | 26.433 | 1.019 | |
| 10/16/2016 5:30:00 AM | 286200.000 | 118.957 | 20.358 |
| 267.963 | 37794.156 | 41470.668 | 26.869 |
| 28.200 | 26.459 | 1.018 | |
| 10/16/2016 5:45:00 AM | 287100.000 | 118.954 | 20.355 |
| 267.955 | 37811.793 | 41492.832 | 26.885 |
| 28.215 | 26.447 | 1.018 | |
| 10/16/2016 6:00:00 AM | 288000.000 | 118.962 | 20.356 |
| 267.974 | 37844.141 | 41527.566 | 26.910 |
| 28.239 | 26.424 | 1.019 | |
| 10/16/2016 6:15:00 AM | 288900.000 | 118.978 | 20.354 |
| 268.010 | 37838.102 | 41522.539 | 26.906 |
| 28.235 | 26.428 | 1.019 | |
| 10/16/2016 6:30:00 AM | 289800.000 | 118.960 | 20.356 |
| 267.969 | 37838.723 | 41521.465 | 26.906 |
| 28.235 | 26.428 | 1.019 | |
| 10/16/2016 6:45:00 AM | 290700.000 | 118.974 | 20.357 |
| 268.001 | 37827.297 | 41508.172 | 26.896 |
| 28.226 | 26.436 | 1.019 | |
| 10/16/2016 7:00:00 AM | 291600.000 | 118.989 | 20.352 |
| 268.034 | 37789.305 | 41471.199 | 26.869 |
| 28.200 | 26.463 | 1.018 | |
| 10/16/2016 7:15:00 AM | 292500.000 | 119.014 | 20.355 |
| 268.090 | 37815.832 | 41497.266 | 26.888 |
| 28.218 | 26.444 | 1.018 | |
| 10/16/2016 7:30:00 AM | 293400.000 | 119.028 | 20.355 |
| 268.122 | 37831.898 | 41515.500 | 26.901 |

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| 28.231 | 26.433 | 1.019 | |
| 10/16/2016 7:45:00 AM | 294300.000 | 119.060 | 20.354 |
| 268.195 | 37816.375 | 41498.695 | 26.889 |
| 28.219 | 26.444 | 1.018 | |
| 10/16/2016 8:00:00 AM | 295200.000 | 119.079 | 20.358 |
| 268.238 | 37823.988 | 41503.551 | 26.893 |
| 28.222 | 26.438 | 1.019 | |
| 10/16/2016 8:15:00 AM | 296100.000 | 119.102 | 20.357 |
| 268.289 | 37828.379 | 41509.586 | 26.897 |
| 28.227 | 26.435 | 1.019 | |
| 10/16/2016 8:30:00 AM | 297000.000 | 119.132 | 20.354 |
| 268.356 | 37827.793 | 41511.305 | 26.898 |
| 28.228 | 26.436 | 1.019 | |
| 10/16/2016 8:45:00 AM | 297900.000 | 119.150 | 20.354 |
| 268.396 | 37831.824 | 41515.730 | 26.901 |
| 28.231 | 26.433 | 1.019 | |
| 10/16/2016 9:00:00 AM | 298800.000 | 119.181 | 20.350 |
| 268.467 | 37819.352 | 41505.695 | 26.894 |
| 28.224 | 26.441 | 1.019 | |
| 10/16/2016 9:15:00 AM | 299700.000 | 119.217 | 20.348 |
| 268.547 | 37807.688 | 41494.418 | 26.886 |
| 28.216 | 26.450 | 1.018 | |
| 10/16/2016 9:30:00 AM | 300600.000 | 119.240 | 20.349 |
| 268.599 | 37829.992 | 41518.367 | 26.903 |
| 28.232 | 26.434 | 1.019 | |
| 10/16/2016 9:45:00 AM | 301500.000 | 119.271 | 20.353 |
| 268.669 | 37849.680 | 41536.082 | 26.916 |
| 28.245 | 26.420 | 1.019 | |
| 10/16/2016 10:00:00 AM | 302400.000 | 119.299 | 20.350 |
| 268.733 | 37828.906 | 41515.871 | 26.901 |
| 28.231 | 26.435 | 1.019 | |
| 10/16/2016 10:15:00 AM | 303300.000 | 119.332 | 20.349 |
| 268.807 | 37821.230 | 41508.293 | 26.896 |
| 28.226 | 26.440 | 1.019 | |
| 10/16/2016 10:30:00 AM | 304200.000 | 119.342 | 20.350 |
| 268.829 | 37857.121 | 41547.449 | 26.924 |
| 28.252 | 26.415 | 1.019 | |
| 10/16/2016 10:45:00 AM | 305100.000 | 119.368 | 20.351 |
| 268.889 | 37840.359 | 41527.832 | 26.910 |
| 28.239 | 26.427 | 1.019 | |
| 10/16/2016 11:00:00 AM | 306000.000 | 119.387 | 20.352 |
| 268.931 | 37819.379 | 41503.746 | 26.893 |
| 28.223 | 26.441 | 1.019 | |
| 10/16/2016 11:15:00 AM | 306900.000 | 119.396 | 20.356 |
| 268.951 | 37846.465 | 41530.422 | 26.912 |
| 28.241 | 26.423 | 1.019 | |
| 10/16/2016 11:30:00 AM | 307800.000 | 119.441 | 20.358 |
| 269.052 | 37846.758 | 41528.758 | 26.911 |
| 28.240 | 26.422 | 1.019 | |
| 10/16/2016 11:45:00 AM | 308700.000 | 119.425 | 20.358 |
| 269.017 | 37833.664 | 41514.629 | 26.901 |
| 28.230 | 26.431 | 1.019 | |
| 10/16/2016 12:00:00 PM | 309600.000 | 119.445 | 20.359 |
| 269.062 | 37864.688 | 41547.223 | 26.924 |
| 28.252 | 26.410 | 1.019 | |
| 10/16/2016 12:15:00 PM | 310500.000 | 119.424 | 20.358 |

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| 269.015 | 37872.922 | 41557.246 | 26.931 |
| 28.259 | 26.404 | 1.019 | |
| 10/16/2016 12:30:00 PM | 311400.000 | 119.418 | 20.358 |
| 269.001 | 37839.379 | 41520.586 | 26.905 |
| 28.234 | 26.427 | 1.019 | |
| 10/16/2016 12:45:00 PM | 312300.000 | 119.420 | 20.361 |
| 269.006 | 37856.125 | 41536.375 | 26.917 |
| 28.245 | 26.416 | 1.019 | |
| 10/16/2016 1:00:00 PM | 313200.000 | 119.403 | 20.361 |
| 268.967 | 37829.914 | 41507.613 | 26.896 |
| 28.225 | 26.434 | 1.019 | |
| 10/16/2016 1:15:00 PM | 314100.000 | 119.402 | 20.363 |
| 268.964 | 37840.004 | 41517.316 | 26.903 |
| 28.232 | 26.427 | 1.019 | |
| 10/16/2016 1:30:00 PM | 315000.000 | 119.368 | 20.363 |
| 268.889 | 37872.770 | 41553.191 | 26.929 |
| 28.256 | 26.404 | 1.019 | |
| 10/16/2016 1:45:00 PM | 315900.000 | 119.359 | 20.367 |
| 268.868 | 37857.641 | 41532.469 | 26.914 |
| 28.242 | 26.415 | 1.019 | |
| 10/16/2016 2:00:00 PM | 316800.000 | 119.342 | 20.365 |
| 268.829 | 37873.703 | 41552.230 | 26.928 |
| 28.256 | 26.404 | 1.019 | |
| 10/16/2016 2:15:00 PM | 317700.000 | 119.342 | 20.364 |
| 268.828 | 37869.820 | 41548.660 | 26.926 |
| 28.253 | 26.406 | 1.019 | |
| 10/16/2016 2:30:00 PM | 318600.000 | 119.326 | 20.363 |
| 268.793 | 37874.758 | 41554.914 | 26.930 |
| 28.257 | 26.403 | 1.019 | |
| 10/16/2016 2:45:00 PM | 319500.000 | 119.261 | 20.363 |
| 268.646 | 37833.707 | 41510.406 | 26.898 |
| 28.227 | 26.431 | 1.019 | |
| 10/16/2016 3:00:00 PM | 320400.000 | 119.241 | 20.363 |
| 268.603 | 37845.223 | 41522.969 | 26.907 |
| 28.236 | 26.423 | 1.019 | |
| 10/16/2016 3:15:00 PM | 321300.000 | 119.216 | 20.362 |
| 268.545 | 37862.855 | 41542.840 | 26.921 |
| 28.249 | 26.411 | 1.019 | |
| 10/16/2016 3:30:00 PM | 322200.000 | 119.190 | 20.360 |
| 268.487 | 37859.191 | 41541.031 | 26.920 |
| 28.248 | 26.414 | 1.019 | |
| 10/16/2016 3:45:00 PM | 323100.000 | 119.156 | 20.360 |
| 268.409 | 37856.637 | 41537.547 | 26.917 |
| 28.246 | 26.415 | 1.019 | |
| 10/16/2016 4:00:00 PM | 324000.000 | 119.121 | 20.357 |
| 268.331 | 37826.105 | 41507.012 | 26.895 |
| 28.225 | 26.437 | 1.019 | |
| 10/16/2016 4:15:00 PM | 324900.000 | 119.089 | 20.356 |
| 268.259 | 37813.707 | 41494.547 | 26.886 |
| 28.216 | 26.445 | 1.018 | |
| 10/16/2016 4:30:00 PM | 325800.000 | 119.080 | 20.359 |
| 268.240 | 37849.664 | 41531.414 | 26.913 |
| 28.241 | 26.420 | 1.019 | |
| 10/16/2016 4:45:00 PM | 326700.000 | 119.037 | 20.360 |
| 268.142 | 37846.977 | 41527.629 | 26.910 |
| 28.239 | 26.422 | 1.019 | |

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|---|---|---|---|
| 10/16/2016 5:00:00 PM | 327600.000 | 119.028 | 20.357 |
| 268.122 | 37821.324 | 41501.621 | 26.891 |
| 28.221 | 26.440 | 1.019 | |
| 10/16/2016 5:15:00 PM | 328500.000 | 119.004 | 20.353 |
| 268.067 | 37832.504 | 41517.082 | 26.902 |
| 28.232 | 26.432 | 1.019 | |
| 10/16/2016 5:30:00 PM | 329400.000 | 118.980 | 20.353 |
| 268.013 | 37836.074 | 41521.680 | 26.906 |
| 28.235 | 26.430 | 1.019 | |
| 10/16/2016 5:45:00 PM | 330300.000 | 118.965 | 20.354 |
| 267.980 | 37826.645 | 41510.418 | 26.898 |
| 28.227 | 26.436 | 1.019 | |
| 10/16/2016 6:00:00 PM | 331200.000 | 118.941 | 20.356 |
| 267.927 | 37819.262 | 41500.570 | 26.891 |
| 28.220 | 26.442 | 1.019 | |
| 10/16/2016 6:15:00 PM | 332100.000 | 118.932 | 20.357 |
| 267.907 | 37833.465 | 41515.168 | 26.901 |
| 28.230 | 26.432 | 1.019 | |
| 10/16/2016 6:30:00 PM | 333000.000 | 118.936 | 20.355 |
| 267.915 | 37837.031 | 41520.527 | 26.905 |
| 28.234 | 26.429 | 1.019 | |
| 10/16/2016 6:45:00 PM | 333900.000 | 118.930 | 20.354 |
| 267.901 | 37830.590 | 41514.824 | 26.901 |
| 28.230 | 26.434 | 1.019 | |
| 10/16/2016 7:00:00 PM | 334800.000 | 118.920 | 20.353 |
| 267.878 | 37834.363 | 41519.578 | 26.904 |
| 28.233 | 26.431 | 1.019 | |
| 10/16/2016 7:15:00 PM | 335700.000 | 118.941 | 20.349 |
| 267.926 | 37842.570 | 41532.391 | 26.913 |
| 28.242 | 26.425 | 1.019 | |
| 10/16/2016 7:30:00 PM | 336600.000 | 118.929 | 20.344 |
| 267.900 | 37793.816 | 41483.156 | 26.878 |
| 28.209 | 26.459 | 1.018 | |
| 10/16/2016 7:45:00 PM | 337500.000 | 118.936 | 20.349 |
| 267.915 | 37806.227 | 41492.355 | 26.884 |
| 28.215 | 26.451 | 1.018 | |
| 10/16/2016 8:00:00 PM | 338400.000 | 118.963 | 20.351 |
| 267.976 | 37804.199 | 41488.531 | 26.882 |
| 28.212 | 26.452 | 1.018 | |
| 10/16/2016 8:15:00 PM | 339300.000 | 118.988 | 20.349 |
| 268.033 | 37843.125 | 41532.852 | 26.914 |
| 28.242 | 26.425 | 1.019 | |
| 10/16/2016 8:30:00 PM | 340200.000 | 118.991 | 20.347 |
| 268.040 | 37828.004 | 41518.156 | 26.903 |
| 28.232 | 26.435 | 1.019 | |
| 10/16/2016 8:45:00 PM | 341100.000 | 119.017 | 20.346 |
| 268.097 | 37838.641 | 41530.063 | 26.912 |
| 28.240 | 26.428 | 1.019 | |
| 10/16/2016 9:00:00 PM | 342000.000 | 119.037 | 20.347 |
| 268.142 | 37818.219 | 41506.965 | 26.895 |
| 28.225 | 26.442 | 1.019 | |
| 10/16/2016 9:15:00 PM | 342900.000 | 119.055 | 20.344 |
| 268.184 | 37843.125 | 41536.660 | 26.916 |
| 28.245 | 26.425 | 1.019 | |
| 10/16/2016 9:30:00 PM | 343800.000 | 119.079 | 20.345 |
| 268.238 | 37839.020 | 41531.316 | 26.912 |

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| 28.241 | 26.428 | 1.019 | |
| 10/16/2016 9:45:00 PM | 344700.000 | 119.104 | 20.344 |
| 268.293 | 37823.508 | 41515.746 | 26.901 |
| 28.231 | 26.439 | 1.019 | |
| 10/16/2016 10:00:00 PM | 345600.000 | 119.127 | 20.347 |
| 268.346 | 37827.363 | 41517.074 | 26.902 |
| 28.232 | 26.436 | 1.019 | |
| 10/16/2016 10:15:00 PM | 346500.000 | 119.150 | 20.349 |
| 268.396 | 37841.539 | 41530.656 | 26.912 |
| 28.241 | 26.426 | 1.019 | |
| 10/16/2016 10:30:00 PM | 347400.000 | 119.174 | 20.349 |
| 268.452 | 37840.258 | 41529.402 | 26.911 |
| 28.240 | 26.427 | 1.019 | |
| 10/16/2016 10:45:00 PM | 348300.000 | 119.208 | 20.354 |
| 268.527 | 37852.008 | 41538.328 | 26.918 |
| 28.246 | 26.419 | 1.019 | |
| 10/16/2016 11:00:00 PM | 349200.000 | 119.219 | 20.352 |
| 268.553 | 37822.660 | 41507.949 | 26.896 |
| 28.225 | 26.439 | 1.019 | |
| 10/16/2016 11:15:00 PM | 350100.000 | 119.241 | 20.350 |
| 268.603 | 37817.391 | 41503.926 | 26.893 |
| 28.223 | 26.443 | 1.019 | |
| 10/16/2016 11:30:00 PM | 351000.000 | 119.251 | 20.350 |
| 268.624 | 37804.922 | 41489.711 | 26.883 |
| 28.213 | 26.452 | 1.018 | |
| 10/16/2016 11:45:00 PM | 351900.000 | 119.287 | 20.350 |
| 268.705 | 37847.961 | 41536.707 | 26.916 |
| 28.245 | 26.422 | 1.019 | |
| 10/17/2016 12:00:00 AM | 352800.000 | 119.292 | 20.355 |
| 268.718 | 37816.297 | 41497.922 | 26.889 |
| 28.219 | 26.444 | 1.018 | |
| 10/17/2016 12:15:00 AM | 353700.000 | 119.304 | 20.352 |
| 268.743 | 37841.145 | 41528.090 | 26.910 |
| 28.239 | 26.426 | 1.019 | |
| 10/17/2016 12:30:00 AM | 354600.000 | 119.311 | 20.350 |
| 268.759 | 37855.746 | 41545.715 | 26.923 |
| 28.251 | 26.416 | 1.019 | |
| 10/17/2016 12:45:00 AM | 355500.000 | 119.304 | 20.350 |
| 268.744 | 37864.023 | 41554.414 | 26.929 |
| 28.257 | 26.410 | 1.019 | |
| 10/17/2016 1:00:00 AM | 356400.000 | 119.323 | 20.350 |
| 268.787 | 37849.938 | 41539.188 | 26.918 |
| 28.247 | 26.420 | 1.019 | |
| 10/17/2016 1:15:00 AM | 357300.000 | 119.341 | 20.351 |
| 268.827 | 37848.672 | 41537.188 | 26.917 |
| 28.245 | 26.421 | 1.019 | |
| 10/17/2016 1:30:00 AM | 358200.000 | 119.315 | 20.352 |
| 268.768 | 37869.895 | 41559.488 | 26.933 |
| 28.260 | 26.406 | 1.019 | |
| 10/17/2016 1:45:00 AM | 359100.000 | 119.337 | 20.352 |
| 268.818 | 37834.340 | 41520.469 | 26.905 |
| 28.234 | 26.431 | 1.019 | |
| 10/17/2016 2:00:00 AM | 360000.000 | 119.304 | 20.351 |
| 268.744 | 37858.563 | 41547.664 | 26.924 |
| 28.252 | 26.414 | 1.019 | |
| 10/17/2016 2:15:00 AM | 360900.000 | 119.294 | 20.351 |

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| 268.721 | 37845.230 | 41532.949 | 26.914 |
| 28.242 | 26.423 | 1.019 | |
| 10/17/2016 2:30:00 AM | 361800.000 | 119.301 | 20.351 |
| 268.737 | 37853.195 | 41541.773 | 26.920 |
| 28.248 | 26.418 | 1.019 | |
| 10/17/2016 2:45:00 AM | 362700.000 | 119.262 | 20.350 |
| 268.648 | 37839.949 | 41528.449 | 26.910 |
| 28.239 | 26.427 | 1.019 | |
| 10/17/2016 3:00:00 AM | 363600.000 | 119.251 | 20.352 |
| 268.624 | 37839.969 | 41526.871 | 26.909 |
| 28.238 | 26.427 | 1.019 | |
| 10/17/2016 3:15:00 AM | 364500.000 | 119.231 | 20.351 |
| 268.580 | 37831.773 | 41518.184 | 26.903 |
| 28.232 | 26.433 | 1.019 | |
| 10/17/2016 3:30:00 AM | 365400.000 | 119.235 | 20.353 |
| 268.589 | 37848.516 | 41534.949 | 26.915 |
| 28.244 | 26.421 | 1.019 | |
| 10/17/2016 3:45:00 AM | 366300.000 | 119.204 | 20.352 |
| 268.520 | 37828.555 | 41513.961 | 26.900 |
| 28.229 | 26.435 | 1.019 | |
| 10/17/2016 4:00:00 AM | 367200.000 | 119.184 | 20.351 |
| 268.473 | 37809.297 | 41493.598 | 26.885 |
| 28.216 | 26.449 | 1.018 | |
| 10/17/2016 4:15:00 AM | 368100.000 | 119.164 | 20.351 |
| 268.428 | 37833.879 | 41520.422 | 26.905 |
| 28.234 | 26.431 | 1.019 | |
| 10/17/2016 4:30:00 AM | 369000.000 | 119.155 | 20.355 |
| 268.408 | 37865.441 | 41552.008 | 26.928 |
| 28.255 | 26.409 | 1.019 | |
| 10/17/2016 4:45:00 AM | 369900.000 | 119.138 | 20.347 |
| 268.370 | 37824.855 | 41513.938 | 26.900 |
| 28.229 | 26.438 | 1.019 | |
| 10/17/2016 5:00:00 AM | 370800.000 | 119.116 | 20.352 |
| 268.320 | 37848.316 | 41535.809 | 26.916 |
| 28.244 | 26.421 | 1.019 | |
| 10/17/2016 5:15:00 AM | 371700.000 | 119.107 | 20.356 |
| 268.300 | 37849.336 | 41533.195 | 26.914 |
| 28.243 | 26.421 | 1.019 | |
| 10/17/2016 5:30:00 AM | 372600.000 | 119.100 | 20.351 |
| 268.283 | 37851.926 | 41540.984 | 26.920 |
| 28.248 | 26.419 | 1.019 | |
| 10/17/2016 5:45:00 AM | 373500.000 | 119.081 | 20.353 |
| 268.241 | 37825.566 | 41510.148 | 26.897 |
| 28.227 | 26.437 | 1.019 | |
| 10/17/2016 6:00:00 AM | 374400.000 | 119.094 | 20.351 |
| 268.271 | 37827.238 | 41513.207 | 26.900 |
| 28.229 | 26.436 | 1.019 | |
| 10/17/2016 6:15:00 AM | 375300.000 | 119.061 | 20.349 |
| 268.196 | 37817.863 | 41505.348 | 26.894 |
| 28.224 | 26.443 | 1.019 | |
| 10/17/2016 6:30:00 AM | 376200.000 | 119.076 | 20.347 |
| 268.230 | 37834.992 | 41525.223 | 26.908 |
| 28.237 | 26.431 | 1.019 | |
| 10/17/2016 6:45:00 AM | 377100.000 | 119.076 | 20.347 |
| 268.230 | 37853.496 | 41545.531 | 26.923 |
| 28.251 | 26.418 | 1.019 | |

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| 10/17/2016 7:00:00 AM | 378000.000 | 119.073 | 20.351 |
| 268.224 | 37861.156 | 41550.887 | 26.927 |
| 28.255 | 26.412 | 1.019 | |
| 10/17/2016 7:15:00 AM | 378900.000 | 119.084 | 20.345 |
| 268.248 | 37803.129 | 41492.148 | 26.884 |
| 28.215 | 26.453 | 1.018 | |
| 10/17/2016 7:30:00 AM | 379800.000 | 119.093 | 20.349 |
| 268.268 | 37850.109 | 41539.988 | 26.919 |
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| 10/17/2016 7:45:00 AM | 380700.000 | 119.116 | 20.350 |
| 268.320 | 37830.746 | 41518.277 | 26.903 |
| 28.232 | 26.434 | 1.019 | |
| 10/17/2016 8:00:00 AM | 381600.000 | 119.131 | 20.350 |
| 268.355 | 37823.375 | 41510.414 | 26.897 |
| 28.227 | 26.439 | 1.019 | |
| 10/17/2016 8:15:00 AM | 382500.000 | 119.142 | 20.356 |
| 268.380 | 37845.355 | 41529.352 | 26.911 |
| 28.240 | 26.423 | 1.019 | |
| 10/17/2016 8:30:00 AM | 383400.000 | 119.159 | 20.354 |
| 268.417 | 37836.277 | 41520.840 | 26.905 |
| 28.234 | 26.430 | 1.019 | |
| 10/17/2016 8:45:00 AM | 384300.000 | 119.180 | 20.357 |
| 268.464 | 37850.754 | 41534.211 | 26.915 |
| 28.243 | 26.420 | 1.019 | |
| 10/17/2016 9:00:00 AM | 385200.000 | 119.216 | 20.354 |
| 268.545 | 37847.570 | 41533.309 | 26.914 |
| 28.243 | 26.422 | 1.019 | |
| 10/17/2016 9:15:00 AM | 386100.000 | 119.236 | 20.356 |
| 268.591 | 37861.922 | 41547.309 | 26.924 |
| 28.252 | 26.412 | 1.019 | |
| 10/17/2016 9:30:00 AM | 387000.000 | 119.265 | 20.352 |
| 268.657 | 37857.301 | 41545.508 | 26.923 |
| 28.251 | 26.415 | 1.019 | |
| 10/17/2016 9:45:00 AM | 387900.000 | 119.323 | 20.354 |
| 268.787 | 37883.188 | 41572.320 | 26.942 |
| 28.269 | 26.397 | 1.019 | |
| 10/17/2016 10:00:00 AM | 388800.000 | 119.321 | 20.354 |
| 268.782 | 37869.035 | 41557.016 | 26.931 |
| 28.259 | 26.407 | 1.019 | |
| 10/17/2016 10:15:00 AM | 389700.000 | 119.356 | 20.353 |
| 268.860 | 37853.121 | 41540.387 | 26.919 |
| 28.247 | 26.418 | 1.019 | |
| 10/17/2016 10:30:00 AM | 390600.000 | 119.382 | 20.353 |
| 268.919 | 37845.145 | 41531.563 | 26.913 |
| 28.241 | 26.423 | 1.019 | |
| 10/17/2016 10:45:00 AM | 391500.000 | 119.403 | 20.348 |
| 268.967 | 37851.914 | 41542.883 | 26.921 |
| 28.249 | 26.419 | 1.019 | |
| 10/17/2016 11:00:00 AM | 392400.000 | 119.418 | 20.352 |
| 269.001 | 37865.070 | 41553.961 | 26.929 |
| 28.257 | 26.410 | 1.019 | |
| 10/17/2016 11:15:00 AM | 393300.000 | 119.436 | 20.350 |
| 269.040 | 37827.125 | 41514.000 | 26.900 |
| 28.230 | 26.436 | 1.019 | |
| 10/17/2016 11:30:00 AM | 394200.000 | 119.466 | 20.350 |
| 269.109 | 37874.352 | 41565.906 | 26.937 |

28.265 26.403 1.019
10/17/2016 11:45:00 AM 395100.000 119.490 20.352
269.163 37836.723 41522.996 26.907
28.236 26.429 1.019
10/17/2016 12:00:00 PM 396000.000 119.492 20.353
269.168 37866.313 41554.262 26.929
28.257 26.409 1.019
10/17/2016 12:15:00 PM 396900.000 119.500 20.352
269.186 37840.449 41527.176 26.910
28.238 26.427 1.019
10/17/2016 12:30:00 PM 397800.000 119.509 20.352
269.205 37872.324 41561.848 26.935
28.262 26.405 1.019
10/17/2016 12:45:00 PM 398700.000 119.518 20.353
269.225 37863.563 41551.465 26.927
28.255 26.411 1.019
10/17/2016 1:00:00 PM 399600.000 119.514 20.355
269.217 37858.582 41544.023 26.922
28.250 26.414 1.019
10/17/2016 1:15:00 PM 400500.000 119.519 20.354
269.228 37895.070 41585.281 26.952
28.278 26.389 1.019
10/17/2016 1:30:00 PM 401400.000 119.506 20.354
269.199 37871.879 41559.910 26.933
28.261 26.405 1.019
10/17/2016 1:45:00 PM 402300.000 119.491 20.355
269.166 37849.957 41535.016 26.915
28.244 26.420 1.019
10/17/2016 2:00:00 PM 403200.000 119.494 20.358
269.172 37900.672 41588.301 26.954
28.280 26.385 1.019
10/17/2016 2:15:00 PM 404100.000 119.458 20.359
269.092 37863.387 41546.328 26.924
28.252 26.411 1.019
10/17/2016 2:30:00 PM 405000.000 119.432 20.355
269.032 37890.207 41578.879 26.947
28.274 26.392 1.019
10/17/2016 2:45:00 PM 405900.000 119.412 20.358
268.986 37852.379 41535.164 26.916
28.244 26.418 1.019
10/17/2016 3:00:00 PM 406800.000 119.390 20.357
268.938 37858.660 41543.117 26.921
28.249 26.414 1.019
10/17/2016 3:15:00 PM 407700.000 119.359 20.358
268.868 37868.438 41552.246 26.928
28.256 26.407 1.019
10/17/2016 3:30:00 PM 408600.000 119.342 20.357
268.829 37842.605 41524.816 26.908
28.237 26.425 1.019
10/17/2016 3:45:00 PM 409500.000 119.332 20.357
268.807 37847.555 41530.629 26.912
28.241 26.422 1.019
10/17/2016 4:00:00 PM 410400.000 119.290 20.358
268.712 37864.641 41548.691 26.925
28.253 26.410 1.019
10/17/2016 4:15:00 PM 411300.000 119.244 20.356

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|---|---|---|---|
| 268.609 | 37872.250 | 41558.570 | 26.932 |
| 28.260 | 26.405 | 1.019 | |
| 10/17/2016 4:30:00 PM | 412200.000 | 119.208 | 20.355 |
| 268.527 | 37866.563 | 41553.152 | 26.928 |
| 28.256 | 26.409 | 1.019 | |
| 10/17/2016 4:45:00 PM | 413100.000 | 119.185 | 20.356 |
| 268.476 | 37885.590 | 41572.895 | 26.943 |
| 28.270 | 26.395 | 1.019 | |
| 10/17/2016 5:00:00 PM | 414000.000 | 119.160 | 20.358 |
| 268.420 | 37857.895 | 41541.051 | 26.920 |
| 28.248 | 26.415 | 1.019 | |
| 10/17/2016 5:15:00 PM | 414900.000 | 119.132 | 20.353 |
| 268.356 | 37835.535 | 41520.559 | 26.905 |
| 28.234 | 26.430 | 1.019 | |
| 10/17/2016 5:30:00 PM | 415800.000 | 119.102 | 20.352 |
| 268.289 | 37848.496 | 41535.625 | 26.916 |
| 28.244 | 26.421 | 1.019 | |
| 10/17/2016 5:45:00 PM | 416700.000 | 119.075 | 20.353 |
| 268.227 | 37868.117 | 41556.461 | 26.931 |
| 28.258 | 26.407 | 1.019 | |
| 10/17/2016 6:00:00 PM | 417600.000 | 119.050 | 20.353 |
| 268.171 | 37842.223 | 41528.203 | 26.910 |
| 28.239 | 26.426 | 1.019 | |
| 10/17/2016 6:15:00 PM | 418500.000 | 119.022 | 20.355 |
| 268.108 | 37867.285 | 41553.652 | 26.929 |
| 28.256 | 26.408 | 1.019 | |
| 10/17/2016 6:30:00 PM | 419400.000 | 119.006 | 20.358 |
| 268.072 | 37854.145 | 41537.176 | 26.917 |
| 28.245 | 26.417 | 1.019 | |
| 10/17/2016 6:45:00 PM | 420300.000 | 118.986 | 20.356 |
| 268.028 | 37830.227 | 41512.227 | 26.899 |
| 28.228 | 26.434 | 1.019 | |
| 10/17/2016 7:00:00 PM | 421200.000 | 118.978 | 20.354 |
| 268.010 | 37811.441 | 41493.121 | 26.885 |
| 28.215 | 26.447 | 1.018 | |
| 10/17/2016 7:15:00 PM | 422100.000 | 118.970 | 20.353 |
| 267.990 | 37883.324 | 41572.930 | 26.943 |
| 28.270 | 26.397 | 1.019 | |
| 10/17/2016 7:30:00 PM | 423000.000 | 118.954 | 20.353 |
| 267.955 | 37856.840 | 41544.086 | 26.922 |
| 28.250 | 26.415 | 1.019 | |
| 10/17/2016 7:45:00 PM | 423900.000 | 118.977 | 20.354 |
| 268.007 | 37858.832 | 41545.289 | 26.923 |
| 28.251 | 26.414 | 1.019 | |
| 10/17/2016 8:00:00 PM | 424800.000 | 118.944 | 20.352 |
| 267.932 | 37891.055 | 41582.625 | 26.950 |
| 28.276 | 26.391 | 1.019 | |
| 10/17/2016 8:15:00 PM | 425700.000 | 118.956 | 20.358 |
| 267.960 | 37857.480 | 41540.152 | 26.919 |
| 28.247 | 26.415 | 1.019 | |
| 10/17/2016 8:30:00 PM | 426600.000 | 118.960 | 20.350 |
| 267.969 | 37863.824 | 41554.887 | 26.929 |
| 28.257 | 26.410 | 1.019 | |
| 10/17/2016 8:45:00 PM | 427500.000 | 118.996 | 20.349 |
| 268.051 | 37825.578 | 41513.066 | 26.899 |
| 28.229 | 26.437 | 1.019 | |

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|---|---|---|---|
| 10/17/2016 9:00:00 PM | 428400.000 | 118.984 | 20.346 |
| 268.024 | 37834.281 | 41525.426 | 26.908 |
| 28.237 | 26.431 | 1.019 | |
| 10/17/2016 9:15:00 PM | 429300.000 | 118.996 | 20.349 |
| 268.051 | 37833.582 | 41522.598 | 26.906 |
| 28.235 | 26.432 | 1.019 | |
| 10/17/2016 9:30:00 PM | 430200.000 | 119.015 | 20.346 |
| 268.092 | 37747.309 | 41429.820 | 26.839 |
| 28.172 | 26.492 | 1.018 | |
| 10/17/2016 9:45:00 PM | 431100.000 | 119.053 | 20.350 |
| 268.178 | 37834.762 | 41522.836 | 26.906 |
| 28.236 | 26.431 | 1.019 | |
| 10/17/2016 10:00:00 PM | 432000.000 | 119.064 | 20.348 |
| 268.204 | 37867.609 | 41560.785 | 26.934 |
| 28.261 | 26.408 | 1.019 | |
| 10/17/2016 10:15:00 PM | 432900.000 | 119.093 | 20.344 |
| 268.268 | 37833.465 | 41526.055 | 26.909 |
| 28.238 | 26.432 | 1.019 | |
| 10/17/2016 10:30:00 PM | 433800.000 | 119.114 | 20.345 |
| 268.315 | 37827.383 | 41518.922 | 26.903 |
| 28.233 | 26.436 | 1.019 | |
| 10/17/2016 10:45:00 PM | 434700.000 | 119.121 | 20.347 |
| 268.331 | 37841.895 | 41533.168 | 26.914 |
| 28.243 | 26.426 | 1.019 | |
| 10/17/2016 11:00:00 PM | 435600.000 | 119.152 | 20.342 |
| 268.402 | 37854.617 | 41551.641 | 26.927 |
| 28.255 | 26.417 | 1.019 | |
| 10/17/2016 11:15:00 PM | 436500.000 | 119.182 | 20.344 |
| 268.469 | 37835.875 | 41528.773 | 26.911 |
| 28.240 | 26.430 | 1.019 | |
| 10/17/2016 11:30:00 PM | 437400.000 | 119.208 | 20.345 |
| 268.529 | 37848.008 | 41541.102 | 26.919 |
| 28.248 | 26.421 | 1.019 | |
| 10/17/2016 11:45:00 PM | 438300.000 | 119.219 | 20.351 |
| 268.553 | 37875.453 | 41566.656 | 26.938 |
| 28.265 | 26.402 | 1.019 | |
| 10/18/2016 12:00:00 AM | 439200.000 | 119.242 | 20.348 |
| 268.605 | 37853.594 | 41545.180 | 26.922 |
| 28.251 | 26.418 | 1.019 | |
| 10/18/2016 12:15:00 AM | 440100.000 | 119.277 | 20.349 |
| 268.684 | 37825.789 | 41514.047 | 26.900 |
| 28.230 | 26.437 | 1.019 | |
| 10/18/2016 12:30:00 AM | 441000.000 | 119.274 | 20.347 |
| 268.677 | 37877.059 | 41571.543 | 26.941 |
| 28.269 | 26.401 | 1.019 | |
| 10/18/2016 12:45:00 AM | 441900.000 | 119.294 | 20.347 |
| 268.721 | 37869.051 | 41562.902 | 26.935 |
| 28.263 | 26.407 | 1.019 | |
| 10/18/2016 1:00:00 AM | 442800.000 | 119.304 | 20.351 |
| 268.744 | 37864.223 | 41553.793 | 26.929 |
| 28.257 | 26.410 | 1.019 | |
| 10/18/2016 1:15:00 AM | 443700.000 | 119.314 | 20.351 |
| 268.766 | 37822.004 | 41507.305 | 26.895 |
| 28.225 | 26.440 | 1.019 | |
| 10/18/2016 1:30:00 AM | 444600.000 | 119.318 | 20.354 |
| 268.777 | 37860.559 | 41547.336 | 26.924 |

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|---|---|---|---|
| 28.252 | 26.413 | 1.019 | |
| 10/18/2016 1:45:00 AM | 445500.000 | 119.330 | 20.349 |
| 268.803 | 37879.551 | 41572.445 | 26.942 |
| 28.269 | 26.399 | 1.019 | |
| 10/18/2016 2:00:00 AM | 446400.000 | 119.329 | 20.348 |
| 268.799 | 37856.531 | 41547.863 | 26.924 |
| 28.253 | 26.416 | 1.019 | |
| 10/18/2016 2:15:00 AM | 447300.000 | 119.341 | 20.350 |
| 268.827 | 37881.648 | 41574.449 | 26.944 |
| 28.271 | 26.398 | 1.019 | |
| 10/18/2016 2:30:00 AM | 448200.000 | 119.348 | 20.349 |
| 268.844 | 37875.938 | 41568.863 | 26.940 |
| 28.267 | 26.402 | 1.019 | |
| 10/18/2016 2:45:00 AM | 449100.000 | 119.327 | 20.349 |
| 268.796 | 37837.266 | 41526.566 | 26.909 |
| 28.238 | 26.429 | 1.019 | |
| 10/18/2016 3:00:00 AM | 450000.000 | 119.329 | 20.350 |
| 268.799 | 37837.902 | 41525.668 | 26.908 |
| 28.237 | 26.429 | 1.019 | |
| 10/18/2016 3:15:00 AM | 450900.000 | 119.327 | 20.351 |
| 268.796 | 37851.688 | 41540.574 | 26.919 |
| 28.248 | 26.419 | 1.019 | |
| 10/18/2016 3:30:00 AM | 451800.000 | 119.312 | 20.350 |
| 268.763 | 37861.789 | 41552.418 | 26.928 |
| 28.256 | 26.412 | 1.019 | |
| 10/18/2016 3:45:00 AM | 452700.000 | 119.315 | 20.351 |
| 268.768 | 37874.484 | 41564.898 | 26.937 |
| 28.264 | 26.403 | 1.019 | |
| 10/18/2016 4:00:00 AM | 453600.000 | 119.289 | 20.351 |
| 268.710 | 37859.586 | 41549.004 | 26.925 |
| 28.253 | 26.413 | 1.019 | |
| 10/18/2016 4:15:00 AM | 454500.000 | 119.279 | 20.351 |
| 268.687 | 37866.328 | 41556.645 | 26.931 |
| 28.259 | 26.409 | 1.019 | |
| 10/18/2016 4:30:00 AM | 455400.000 | 119.258 | 20.350 |
| 268.640 | 37875.453 | 41566.879 | 26.938 |
| 28.265 | 26.402 | 1.019 | |
| 10/18/2016 4:45:00 AM | 456300.000 | 119.241 | 20.351 |
| 268.601 | 37866.156 | 41556.602 | 26.931 |
| 28.258 | 26.409 | 1.019 | |
| 10/18/2016 5:00:00 AM | 457200.000 | 119.230 | 20.352 |
| 268.578 | 37844.816 | 41531.660 | 26.913 |
| 28.242 | 26.424 | 1.019 | |
| 10/18/2016 5:15:00 AM | 458100.000 | 119.219 | 20.352 |
| 268.553 | 37878.934 | 41569.488 | 26.940 |
| 28.267 | 26.400 | 1.019 | |
| 10/18/2016 5:30:00 AM | 459000.000 | 119.213 | 20.348 |
| 268.539 | 37854.598 | 41545.977 | 26.923 |
| 28.251 | 26.417 | 1.019 | |
| 10/18/2016 5:45:00 AM | 459900.000 | 119.194 | 20.344 |
| 268.497 | 37825.383 | 41517.723 | 26.903 |
| 28.232 | 26.437 | 1.019 | |
| 10/18/2016 6:00:00 AM | 460800.000 | 119.192 | 20.347 |
| 268.491 | 37830.324 | 41519.938 | 26.904 |
| 28.234 | 26.434 | 1.019 | |
| 10/18/2016 6:15:00 AM | 461700.000 | 119.177 | 20.349 |

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|---|---|---|---|
| 268.457 | 37868.000 | 41559.848 | 26.933 |
| 28.261 | 26.408 | 1.019 | |
| 10/18/2016 6:30:00 AM | 462600.000 | 119.179 | 20.347 |
| 268.461 | 37832.391 | 41522.816 | 26.906 |
| 28.236 | 26.432 | 1.019 | |
| 10/18/2016 6:45:00 AM | 463500.000 | 119.164 | 20.349 |
| 268.428 | 37840.547 | 41530.098 | 26.912 |
| 28.240 | 26.427 | 1.019 | |
| 10/18/2016 7:00:00 AM | 464400.000 | 119.163 | 20.350 |
| 268.425 | 37856.043 | 41546.039 | 26.923 |
| 28.251 | 26.416 | 1.019 | |
| 10/18/2016 7:15:00 AM | 465300.000 | 119.159 | 20.351 |
| 268.417 | 37878.590 | 41569.563 | 26.940 |
| 28.267 | 26.400 | 1.019 | |
| 10/18/2016 7:30:00 AM | 466200.000 | 119.160 | 20.351 |
| 268.420 | 37845.168 | 41533.109 | 26.914 |
| 28.243 | 26.423 | 1.019 | |
| 10/18/2016 7:45:00 AM | 467100.000 | 119.170 | 20.346 |
| 268.443 | 37847.539 | 41539.750 | 26.918 |
| 28.247 | 26.422 | 1.019 | |
| 10/18/2016 8:00:00 AM | 468000.000 | 119.176 | 20.350 |
| 268.456 | 37866.180 | 41557.316 | 26.931 |
| 28.259 | 26.409 | 1.019 | |
| 10/18/2016 8:15:00 AM | 468900.000 | 119.193 | 20.350 |
| 268.494 | 37867.824 | 41558.504 | 26.932 |
| 28.260 | 26.408 | 1.019 | |
| 10/18/2016 8:30:00 AM | 469800.000 | 119.204 | 20.344 |
| 268.520 | 37862.484 | 41557.906 | 26.931 |
| 28.259 | 26.411 | 1.019 | |
| 10/18/2016 8:45:00 AM | 470700.000 | 119.203 | 20.347 |
| 268.517 | 37841.340 | 41532.641 | 26.913 |
| 28.242 | 26.426 | 1.019 | |
| 10/18/2016 9:00:00 AM | 471600.000 | 119.230 | 20.350 |
| 268.578 | 37859.555 | 41550.121 | 26.926 |
| 28.254 | 26.413 | 1.019 | |
| 10/18/2016 9:15:00 AM | 472500.000 | 119.256 | 20.352 |
| 268.637 | 37829.926 | 41515.539 | 26.901 |
| 28.231 | 26.434 | 1.019 | |
| 10/18/2016 9:30:00 AM | 473400.000 | 119.272 | 20.350 |
| 268.672 | 37868.613 | 41560.145 | 26.933 |
| 28.261 | 26.407 | 1.019 | |
| 10/18/2016 9:45:00 AM | 474300.000 | 119.291 | 20.351 |
| 268.715 | 37875.680 | 41566.211 | 26.938 |
| 28.265 | 26.402 | 1.019 | |
| 10/18/2016 10:00:00 AM | 475200.000 | 119.327 | 20.353 |
| 268.796 | 37871.898 | 41560.609 | 26.934 |
| 28.261 | 26.405 | 1.019 | |
| 10/18/2016 10:15:00 AM | 476100.000 | 119.339 | 20.355 |
| 268.822 | 37852.426 | 41537.727 | 26.917 |
| 28.246 | 26.418 | 1.019 | |
| 10/18/2016 10:30:00 AM | 477000.000 | 119.370 | 20.358 |
| 268.893 | 37869.836 | 41554.395 | 26.929 |
| 28.257 | 26.406 | 1.019 | |
| 10/18/2016 10:45:00 AM | 477900.000 | 119.387 | 20.359 |
| 268.931 | 37868.348 | 41551.914 | 26.928 |
| 28.255 | 26.407 | 1.019 | |

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|---|---|---|---|
| 10/18/2016 11:00:00 AM | 478800.000 | 119.431 | 20.356 |
| 269.031 | 37882.762 | 41570.023 | 26.941 |
| 28.268 | 26.397 | 1.019 | |
| 10/18/2016 11:15:00 AM | 479700.000 | 119.433 | 20.359 |
| 269.035 | 37879.660 | 41564.258 | 26.937 |
| 28.264 | 26.399 | 1.019 | |
| 10/18/2016 11:30:00 AM | 480600.000 | 119.479 | 20.359 |
| 269.138 | 37874.012 | 41557.746 | 26.932 |
| 28.259 | 26.403 | 1.019 | |
| 10/18/2016 11:45:00 AM | 481500.000 | 119.510 | 20.358 |
| 269.208 | 37891.742 | 41578.191 | 26.947 |
| 28.273 | 26.391 | 1.019 | |
| 10/18/2016 12:00:00 PM | 482400.000 | 119.510 | 20.354 |
| 269.208 | 37871.391 | 41559.070 | 26.933 |
| 28.260 | 26.405 | 1.019 | |
| 10/18/2016 12:15:00 PM | 483300.000 | 119.524 | 20.352 |
| 269.240 | 37859.836 | 41547.980 | 26.925 |
| 28.253 | 26.413 | 1.019 | |
| 10/18/2016 12:30:00 PM | 484200.000 | 119.547 | 20.355 |
| 269.291 | 37903.152 | 41593.617 | 26.958 |
| 28.284 | 26.383 | 1.019 | |
| 10/18/2016 12:45:00 PM | 485100.000 | 119.556 | 20.353 |
| 269.312 | 37859.887 | 41547.738 | 26.924 |
| 28.252 | 26.413 | 1.019 | |
| 10/18/2016 1:00:00 PM | 486000.000 | 119.583 | 20.354 |
| 269.373 | 37850.953 | 41536.480 | 26.916 |
| 28.245 | 26.419 | 1.019 | |
| 10/18/2016 1:15:00 PM | 486900.000 | 119.590 | 20.356 |
| 269.388 | 37866.344 | 41552.008 | 26.928 |
| 28.255 | 26.409 | 1.019 | |
| 10/18/2016 1:30:00 PM | 487800.000 | 119.580 | 20.355 |
| 269.366 | 37886.805 | 41575.750 | 26.945 |
| 28.272 | 26.394 | 1.019 | |
| 10/18/2016 1:45:00 PM | 488700.000 | 119.571 | 20.355 |
| 269.345 | 37890.387 | 41579.680 | 26.948 |
| 28.274 | 26.392 | 1.019 | |
| 10/18/2016 2:00:00 PM | 489600.000 | 119.573 | 20.354 |
| 269.350 | 37879.262 | 41567.785 | 26.939 |
| 28.266 | 26.400 | 1.019 | |
| 10/18/2016 2:15:00 PM | 490500.000 | 119.567 | 20.353 |
| 269.336 | 37873.023 | 41561.844 | 26.935 |
| 28.262 | 26.404 | 1.019 | |
| 10/18/2016 2:30:00 PM | 491400.000 | 119.559 | 20.354 |
| 269.317 | 37895.426 | 41585.824 | 26.952 |
| 28.278 | 26.388 | 1.019 | |
| 10/18/2016 2:45:00 PM | 492300.000 | 119.556 | 20.358 |
| 269.312 | 37898.137 | 41585.293 | 26.952 |
| 28.278 | 26.387 | 1.019 | |
| 10/18/2016 3:00:00 PM | 493200.000 | 119.525 | 20.356 |
| 269.242 | 37904.023 | 41593.051 | 26.957 |
| 28.283 | 26.382 | 1.019 | |
| 10/18/2016 3:15:00 PM | 494100.000 | 119.515 | 20.352 |
| 269.219 | 37893.254 | 41584.965 | 26.951 |
| 28.278 | 26.390 | 1.019 | |
| 10/18/2016 3:30:00 PM | 495000.000 | 119.496 | 20.354 |
| 269.176 | 37890.832 | 41580.855 | 26.948 |

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|---|---|---|---|
| 28.275 | 26.392 | 1.019 | |
| 10/18/2016 3:45:00 PM | 495900.000 | 119.465 | 20.353 |
| 269.107 | 37892.051 | 41582.965 | 26.950 |
| 28.276 | 26.391 | 1.019 | |
| 10/18/2016 4:00:00 PM | 496800.000 | 119.443 | 20.355 |
| 269.056 | 37857.891 | 41543.266 | 26.921 |
| 28.249 | 26.415 | 1.019 | |
| 10/18/2016 4:15:00 PM | 497700.000 | 119.410 | 20.352 |
| 268.982 | 37883.555 | 41574.012 | 26.943 |
| 28.270 | 26.397 | 1.019 | |
| 10/18/2016 4:30:00 PM | 498600.000 | 119.387 | 20.356 |
| 268.931 | 37860.891 | 41545.648 | 26.923 |
| 28.251 | 26.412 | 1.019 | |
| 10/18/2016 4:45:00 PM | 499500.000 | 119.356 | 20.348 |
| 268.860 | 37867.215 | 41560.355 | 26.933 |
| 28.261 | 26.408 | 1.019 | |
| 10/18/2016 5:00:00 PM | 500400.000 | 119.325 | 20.352 |
| 268.792 | 37877.391 | 41567.406 | 26.939 |
| 28.266 | 26.401 | 1.019 | |
| 10/18/2016 5:15:00 PM | 501300.000 | 119.294 | 20.347 |
| 268.722 | 37854.246 | 41546.191 | 26.923 |
| 28.251 | 26.417 | 1.019 | |
| 10/18/2016 5:30:00 PM | 502200.000 | 119.265 | 20.347 |
| 268.657 | 37863.320 | 41556.539 | 26.931 |
| 28.258 | 26.411 | 1.019 | |
| 10/18/2016 5:45:00 PM | 503100.000 | 119.255 | 20.352 |
| 268.634 | 37858.035 | 41546.238 | 26.923 |
| 28.251 | 26.414 | 1.019 | |
| 10/18/2016 6:00:00 PM | 504000.000 | 119.192 | 20.351 |
| 268.491 | 37876.461 | 41567.066 | 26.938 |
| 28.266 | 26.402 | 1.019 | |
| 10/18/2016 6:15:00 PM | 504900.000 | 119.167 | 20.354 |
| 268.435 | 37885.281 | 41574.539 | 26.944 |
| 28.271 | 26.395 | 1.019 | |
| 10/18/2016 6:30:00 PM | 505800.000 | 119.141 | 20.360 |
| 268.376 | 37864.441 | 41546.492 | 26.924 |
| 28.252 | 26.410 | 1.019 | |
| 10/18/2016 6:45:00 PM | 506700.000 | 119.125 | 20.354 |
| 268.341 | 37858.293 | 41544.535 | 26.922 |
| 28.250 | 26.414 | 1.019 | |
| 10/18/2016 7:00:00 PM | 507600.000 | 119.100 | 20.354 |
| 268.285 | 37872.918 | 41560.586 | 26.934 |
| 28.261 | 26.404 | 1.019 | |
| 10/18/2016 7:15:00 PM | 508500.000 | 119.084 | 20.352 |
| 268.248 | 37838.848 | 41525.641 | 26.909 |
| 28.237 | 26.428 | 1.019 | |
| 10/18/2016 7:30:00 PM | 509400.000 | 119.048 | 20.356 |
| 268.168 | 37823.211 | 41504.527 | 26.893 |
| 28.223 | 26.439 | 1.019 | |
| 10/18/2016 7:45:00 PM | 510300.000 | 119.030 | 20.362 |
| 268.127 | 37891.918 | 41575.039 | 26.944 |
| 28.271 | 26.391 | 1.019 | |
| 10/18/2016 8:00:00 PM | 511200.000 | 119.037 | 20.360 |
| 268.142 | 37879.578 | 41563.473 | 26.936 |
| 28.263 | 26.399 | 1.019 | |
| 10/18/2016 8:15:00 PM | 512100.000 | 119.007 | 20.356 |

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|---|---|---|---|
| 268.076 | 37880.773 | 41567.844 | 26.939 |
| 28.266 | 26.399 | 1.019 | |
| 10/18/2016 8:30:00 PM | 513000.000 | 119.002 | 20.351 |
| 268.065 | 37868.434 | 41558.715 | 26.932 |
| 28.260 | 26.407 | 1.019 | |
| 10/18/2016 8:45:00 PM | 513900.000 | 118.998 | 20.347 |
| 268.055 | 37860.113 | 41553.246 | 26.928 |
| 28.256 | 26.413 | 1.019 | |
| 10/18/2016 9:00:00 PM | 514800.000 | 119.002 | 20.349 |
| 268.065 | 37853.996 | 41544.781 | 26.922 |
| 28.250 | 26.417 | 1.019 | |
| 10/18/2016 9:15:00 PM | 515700.000 | 119.006 | 20.351 |
| 268.072 | 37867.496 | 41557.996 | 26.932 |
| 28.259 | 26.408 | 1.019 | |
| 10/18/2016 9:30:00 PM | 516600.000 | 119.014 | 20.347 |
| 268.090 | 37853.051 | 41545.125 | 26.922 |
| 28.251 | 26.418 | 1.019 | |
| 10/18/2016 9:45:00 PM | 517500.000 | 119.012 | 20.348 |
| 268.087 | 37873.234 | 41566.355 | 26.938 |
| 28.265 | 26.404 | 1.019 | |
| 10/18/2016 10:00:00 PM | 518400.000 | 119.032 | 20.350 |
| 268.132 | 37829.969 | 41517.273 | 26.902 |
| 28.232 | 26.434 | 1.019 | |
| 10/18/2016 10:15:00 PM | 519300.000 | 119.072 | 20.350 |
| 268.221 | 37873.176 | 41564.918 | 26.937 |
| 28.264 | 26.404 | 1.019 | |
| 10/18/2016 10:30:00 PM | 520200.000 | 119.069 | 20.346 |
| 268.214 | 37780.746 | 41467.051 | 26.866 |
| 28.198 | 26.469 | 1.018 | |
| 10/18/2016 10:45:00 PM | 521100.000 | 119.088 | 20.343 |
| 268.257 | 37839.988 | 41534.051 | 26.914 |
| 28.243 | 26.427 | 1.019 | |
| 10/18/2016 11:00:00 PM | 522000.000 | 119.097 | 20.343 |
| 268.278 | 37857.750 | 41554.320 | 26.929 |
| 28.257 | 26.415 | 1.019 | |
| 10/18/2016 11:15:00 PM | 522900.000 | 119.134 | 20.347 |
| 268.362 | 37838.164 | 41529.227 | 26.911 |
| 28.240 | 26.428 | 1.019 | |
| 10/18/2016 11:30:00 PM | 523800.000 | 119.152 | 20.346 |
| 268.402 | 37873.988 | 41568.781 | 26.939 |
| 28.267 | 26.403 | 1.019 | |
| 10/18/2016 11:45:00 PM | 524700.000 | 119.163 | 20.347 |
| 268.425 | 37859.449 | 41552.438 | 26.928 |
| 28.256 | 26.413 | 1.019 | |
| 10/19/2016 12:00:00 AM | 525600.000 | 119.188 | 20.347 |
| 268.484 | 37874.207 | 41568.633 | 26.939 |
| 28.267 | 26.403 | 1.019 | |
| 10/19/2016 12:15:00 AM | 526500.000 | 119.199 | 20.346 |
| 268.508 | 37857.980 | 41551.289 | 26.927 |
| 28.255 | 26.415 | 1.019 | |
| 10/19/2016 12:30:00 AM | 527400.000 | 119.249 | 20.346 |
| 268.620 | 37862.152 | 41556.016 | 26.930 |
| 28.258 | 26.412 | 1.019 | |
| 10/19/2016 12:45:00 AM | 528300.000 | 119.260 | 20.347 |
| 268.644 | 37884.578 | 41579.797 | 26.947 |
| 28.274 | 26.396 | 1.019 | |

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|---|---|---|---|
| 10/19/2016 1:00:00 AM | 529200.000 | 119.276 | 20.346 |
| 268.681 | 37826.246 | 41516.840 | 26.902 |
| 28.231 | 26.437 | 1.019 | |
| 10/19/2016 1:15:00 AM | 530100.000 | 119.296 | 20.346 |
| 268.727 | 37849.898 | 41542.340 | 26.920 |
| 28.249 | 26.420 | 1.019 | |
| 10/19/2016 1:30:00 AM | 531000.000 | 119.310 | 20.350 |
| 268.757 | 37877.020 | 41569.215 | 26.940 |
| 28.267 | 26.401 | 1.019 | |
| 10/19/2016 1:45:00 AM | 531900.000 | 119.318 | 20.349 |
| 268.777 | 37884.895 | 41578.082 | 26.946 |
| 28.273 | 26.396 | 1.019 | |
| 10/19/2016 2:00:00 AM | 532800.000 | 119.334 | 20.347 |
| 268.812 | 37860.500 | 41553.516 | 26.928 |
| 28.256 | 26.413 | 1.019 | |
| 10/19/2016 2:15:00 AM | 533700.000 | 119.357 | 20.351 |
| 268.863 | 37881.051 | 41572.563 | 26.942 |
| 28.269 | 26.398 | 1.019 | |
| 10/19/2016 2:30:00 AM | 534600.000 | 119.359 | 20.347 |
| 268.868 | 37915.309 | 41613.980 | 26.972 |
| 28.298 | 26.375 | 1.019 | |
| 10/19/2016 2:45:00 AM | 535500.000 | 119.362 | 20.348 |
| 268.875 | 37850.473 | 41541.375 | 26.920 |
| 28.248 | 26.420 | 1.019 | |
| 10/19/2016 3:00:00 AM | 536400.000 | 119.366 | 20.346 |
| 268.883 | 37879.352 | 41574.746 | 26.944 |
| 28.271 | 26.400 | 1.019 | |
| 10/19/2016 3:15:00 AM | 537300.000 | 119.392 | 20.349 |
| 268.943 | 37875.621 | 41568.363 | 26.939 |
| 28.266 | 26.402 | 1.019 | |
| 10/19/2016 3:30:00 AM | 538200.000 | 119.377 | 20.351 |
| 268.909 | 37857.289 | 41546.410 | 26.923 |
| 28.252 | 26.415 | 1.019 | |
| 10/19/2016 3:45:00 AM | 539100.000 | 119.368 | 20.353 |
| 268.889 | 37866.199 | 41554.137 | 26.929 |
| 28.257 | 26.409 | 1.019 | |
| 10/19/2016 4:00:00 AM | 540000.000 | 119.362 | 20.346 |
| 268.875 | 37880.746 | 41576.195 | 26.945 |
| 28.272 | 26.399 | 1.019 | |
| 10/19/2016 4:15:00 AM | 540900.000 | 119.355 | 20.350 |
| 268.858 | 37883.742 | 41576.512 | 26.945 |
| 28.272 | 26.397 | 1.019 | |
| 10/19/2016 4:30:00 AM | 541800.000 | 119.356 | 20.350 |
| 268.860 | 37854.043 | 41543.844 | 26.922 |
| 28.250 | 26.417 | 1.019 | |
| 10/19/2016 4:45:00 AM | 542700.000 | 119.339 | 20.351 |
| 268.823 | 37879.730 | 41570.813 | 26.941 |
| 28.268 | 26.399 | 1.019 | |
| 10/19/2016 5:00:00 AM | 543600.000 | 119.358 | 20.353 |
| 268.865 | 37889.070 | 41579.535 | 26.947 |
| 28.274 | 26.393 | 1.019 | |
| 10/19/2016 5:15:00 AM | 544500.000 | 119.316 | 20.354 |
| 268.771 | 37850.859 | 41536.988 | 26.917 |
| 28.245 | 26.419 | 1.019 | |
| 10/19/2016 5:30:00 AM | 545400.000 | 119.348 | 20.350 |
| 268.844 | 37854.156 | 41543.816 | 26.922 |

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|---|---|---|---|
| 28.250 | 26.417 | 1.019 | |
| 10/19/2016 5:45:00 AM | 546300.000 | 119.304 | 20.350 |
| 268.743 | 37846.852 | 41535.488 | 26.916 |
| 28.244 | 26.422 | 1.019 | |
| 10/19/2016 6:00:00 AM | 547200.000 | 119.294 | 20.352 |
| 268.722 | 37881.094 | 41571.859 | 26.942 |
| 28.269 | 26.398 | 1.019 | |
| 10/19/2016 6:15:00 AM | 548100.000 | 119.308 | 20.354 |
| 268.752 | 37855.586 | 41542.031 | 26.920 |
| 28.249 | 26.416 | 1.019 | |
| 10/19/2016 6:30:00 AM | 549000.000 | 119.265 | 20.360 |
| 268.657 | 37887.594 | 41571.738 | 26.942 |
| 28.269 | 26.394 | 1.019 | |
| 10/19/2016 6:45:00 AM | 549900.000 | 119.267 | 20.359 |
| 268.660 | 37839.281 | 41519.418 | 26.904 |
| 28.233 | 26.428 | 1.019 | |
| 10/19/2016 7:00:00 AM | 550800.000 | 119.255 | 20.358 |
| 268.634 | 37832.262 | 41512.703 | 26.899 |
| 28.229 | 26.432 | 1.019 | |
| 10/19/2016 7:15:00 AM | 551700.000 | 119.255 | 20.355 |
| 268.634 | 37866.668 | 41553.125 | 26.928 |
| 28.256 | 26.408 | 1.019 | |
| 10/19/2016 7:30:00 AM | 552600.000 | 119.276 | 20.353 |
| 268.680 | 37868.398 | 41557.008 | 26.931 |
| 28.259 | 26.407 | 1.019 | |
| 10/19/2016 7:45:00 AM | 553500.000 | 119.254 | 20.353 |
| 268.630 | 37868.805 | 41556.996 | 26.931 |
| 28.259 | 26.407 | 1.019 | |
| 10/19/2016 8:00:00 AM | 554400.000 | 119.254 | 20.354 |
| 268.630 | 37857.438 | 41544.137 | 26.922 |
| 28.250 | 26.415 | 1.019 | |
| 10/19/2016 8:15:00 AM | 555300.000 | 119.249 | 20.353 |
| 268.620 | 37873.973 | 41563.043 | 26.935 |
| 28.263 | 26.403 | 1.019 | |
| 10/19/2016 8:30:00 AM | 556200.000 | 119.262 | 20.353 |
| 268.648 | 37886.625 | 41576.699 | 26.945 |
| 28.272 | 26.395 | 1.019 | |
| 10/19/2016 8:45:00 AM | 557100.000 | 119.267 | 20.353 |
| 268.661 | 37908.660 | 41601.031 | 26.963 |
| 28.289 | 26.379 | 1.019 | |
| 10/19/2016 9:00:00 AM | 558000.000 | 119.276 | 20.353 |
| 268.681 | 37878.117 | 41567.594 | 26.939 |
| 28.266 | 26.400 | 1.019 | |
| 10/19/2016 9:15:00 AM | 558900.000 | 119.279 | 20.356 |
| 268.687 | 37870.105 | 41555.758 | 26.930 |
| 28.258 | 26.406 | 1.019 | |
| 10/19/2016 9:30:00 AM | 559800.000 | 119.302 | 20.350 |
| 268.739 | 37866.473 | 41557.559 | 26.931 |
| 28.259 | 26.409 | 1.019 | |
| 10/19/2016 9:45:00 AM | 560700.000 | 119.323 | 20.350 |
| 268.787 | 37871.789 | 41562.855 | 26.935 |
| 28.263 | 26.405 | 1.019 | |
| 10/19/2016 10:00:00 AM | 561600.000 | 119.319 | 20.355 |
| 268.778 | 37876.531 | 41564.258 | 26.936 |
| 28.264 | 26.402 | 1.019 | |
| 10/19/2016 10:15:00 AM | 562500.000 | 119.353 | 20.349 |

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| 268.853 | 37874.176 | 41567.152 | 26.938 |
| 28.266 | 26.403 | 1.019 | |
| 10/19/2016 10:30:00 AM | 563400.000 | 119.374 | 20.349 |
| 268.901 | 37873.023 | 41565.512 | 26.937 |
| 28.265 | 26.404 | 1.019 | |
| 10/19/2016 10:45:00 AM | 564300.000 | 119.392 | 20.346 |
| 268.941 | 37861.941 | 41555.637 | 26.930 |
| 28.258 | 26.412 | 1.019 | |
| 10/19/2016 11:00:00 AM | 565200.000 | 119.416 | 20.349 |
| 268.997 | 37855.512 | 41546.293 | 26.923 |
| 28.251 | 26.416 | 1.019 | |
| 10/19/2016 11:15:00 AM | 566100.000 | 119.427 | 20.353 |
| 269.021 | 37899.586 | 41591.074 | 26.956 |
| 28.282 | 26.386 | 1.019 | |
| 10/19/2016 11:30:00 AM | 567000.000 | 119.458 | 20.350 |
| 269.092 | 37866.316 | 41557.469 | 26.931 |
| 28.259 | 26.409 | 1.019 | |
| 10/19/2016 11:45:00 AM | 567900.000 | 119.488 | 20.350 |
| 269.159 | 37865.859 | 41556.586 | 26.931 |
| 28.258 | 26.409 | 1.019 | |
| 10/19/2016 12:00:00 PM | 568800.000 | 119.499 | 20.350 |
| 269.182 | 37864.523 | 41554.883 | 26.930 |
| 28.257 | 26.410 | 1.019 | |
| 10/19/2016 12:15:00 PM | 569700.000 | 119.529 | 20.346 |
| 269.251 | 37885.777 | 41582.098 | 26.949 |
| 28.276 | 26.395 | 1.019 | |
| 10/19/2016 12:30:00 PM | 570600.000 | 119.546 | 20.345 |
| 269.290 | 37897.211 | 41595.484 | 26.959 |
| 28.285 | 26.387 | 1.019 | |
| 10/19/2016 12:45:00 PM | 571500.000 | 119.565 | 20.350 |
| 269.331 | 37875.988 | 41567.625 | 26.939 |
| 28.266 | 26.402 | 1.019 | |
| 10/19/2016 1:00:00 PM | 572400.000 | 119.583 | 20.348 |
| 269.372 | 37895.438 | 41591.258 | 26.956 |
| 28.282 | 26.388 | 1.019 | |
| 10/19/2016 1:15:00 PM | 573300.000 | 119.621 | 20.349 |
| 269.459 | 37868.258 | 41559.824 | 26.933 |
| 28.261 | 26.407 | 1.019 | |
| 10/19/2016 1:30:00 PM | 574200.000 | 119.608 | 20.350 |
| 269.428 | 37864.977 | 41556.152 | 26.930 |
| 28.258 | 26.410 | 1.019 | |
| 10/19/2016 1:45:00 PM | 575100.000 | 119.623 | 20.349 |
| 269.462 | 37866.324 | 41557.781 | 26.932 |
| 28.259 | 26.409 | 1.019 | |
| 10/19/2016 2:00:00 PM | 576000.000 | 119.618 | 20.350 |
| 269.450 | 37889.707 | 41582.984 | 26.950 |
| 28.276 | 26.392 | 1.019 | |
| 10/19/2016 2:15:00 PM | 576900.000 | 119.625 | 20.351 |
| 269.468 | 37879.047 | 41570.746 | 26.941 |
| 28.268 | 26.400 | 1.019 | |
| 10/19/2016 2:30:00 PM | 577800.000 | 119.621 | 20.351 |
| 269.457 | 37884.320 | 41575.691 | 26.945 |
| 28.271 | 26.396 | 1.019 | |
| 10/19/2016 2:45:00 PM | 578700.000 | 119.625 | 20.352 |
| 269.468 | 37873.309 | 41563.387 | 26.936 |
| 28.263 | 26.404 | 1.019 | |

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| 10/19/2016 3:00:00 PM | 579600.000 | 119.610 | 20.352 |
| 269.433 | 37908.887 | 41602.191 | 26.964 |
| 28.289 | 26.379 | 1.019 | |
| 10/19/2016 3:15:00 PM | 580500.000 | 119.621 | 20.353 |
| 269.457 | 37816.965 | 41500.406 | 26.890 |
| 28.220 | 26.443 | 1.019 | |
| 10/19/2016 3:30:00 PM | 581400.000 | 119.595 | 20.353 |
| 269.399 | 37886.875 | 41577.504 | 26.946 |
| 28.273 | 26.394 | 1.019 | |
| 10/19/2016 3:45:00 PM | 582300.000 | 119.574 | 20.354 |
| 269.353 | 37876.629 | 41565.348 | 26.937 |
| 28.264 | 26.402 | 1.019 | |
| 10/19/2016 4:00:00 PM | 583200.000 | 119.556 | 20.352 |
| 269.311 | 37900.137 | 41592.516 | 26.957 |
| 28.283 | 26.385 | 1.019 | |
| 10/19/2016 4:15:00 PM | 584100.000 | 119.530 | 20.352 |
| 269.254 | 37764.820 | 41444.402 | 26.850 |
| 28.182 | 26.480 | 1.018 | |
| 10/19/2016 4:30:00 PM | 585000.000 | 119.506 | 20.352 |
| 269.199 | 37873.086 | 41562.758 | 26.935 |
| 28.263 | 26.404 | 1.019 | |
| 10/19/2016 4:45:00 PM | 585900.000 | 119.485 | 20.349 |
| 269.152 | 37859.875 | 41550.930 | 26.927 |
| 28.255 | 26.413 | 1.019 | |
| 10/19/2016 5:00:00 PM | 586800.000 | 119.468 | 20.353 |
| 269.114 | 37890.945 | 41582.051 | 26.949 |
| 28.276 | 26.392 | 1.019 | |
| 10/19/2016 5:15:00 PM | 587700.000 | 119.429 | 20.351 |
| 269.026 | 37865.598 | 41555.840 | 26.930 |
| 28.258 | 26.409 | 1.019 | |
| 10/19/2016 5:30:00 PM | 588600.000 | 119.403 | 20.349 |
| 268.967 | 37869.020 | 41560.813 | 26.934 |
| 28.261 | 26.407 | 1.019 | |
| 10/19/2016 5:45:00 PM | 589500.000 | 119.385 | 20.349 |
| 268.926 | 37889.125 | 41582.879 | 26.950 |
| 28.276 | 26.393 | 1.019 | |
| 10/19/2016 6:00:00 PM | 590400.000 | 119.366 | 20.350 |
| 268.884 | 37881.184 | 41573.703 | 26.943 |
| 28.270 | 26.398 | 1.019 | |
| 10/19/2016 6:15:00 PM | 591300.000 | 119.314 | 20.346 |
| 268.766 | 37867.137 | 41562.020 | 26.934 |
| 28.262 | 26.408 | 1.019 | |
| 10/19/2016 6:30:00 PM | 592200.000 | 119.285 | 20.347 |
| 268.702 | 37840.813 | 41532.063 | 26.913 |
| 28.242 | 26.426 | 1.019 | |
| 10/19/2016 6:45:00 PM | 593100.000 | 119.253 | 20.349 |
| 268.628 | 37857.863 | 41549.102 | 26.925 |
| 28.253 | 26.415 | 1.019 | |
| 10/19/2016 7:00:00 PM | 594000.000 | 119.240 | 20.353 |
| 268.600 | 37878.801 | 41568.344 | 26.939 |
| 28.266 | 26.400 | 1.019 | |
| 10/19/2016 7:15:00 PM | 594900.000 | 119.224 | 20.360 |
| 268.564 | 37898.648 | 41584.398 | 26.951 |
| 28.277 | 26.386 | 1.019 | |
| 10/19/2016 7:30:00 PM | 595800.000 | 119.189 | 20.353 |
| 268.485 | 37880.445 | 41570.527 | 26.941 |

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|---|---|---|---|
| 28.268 | 26.399 | 1.019 | |
| 10/19/2016 7:45:00 PM | 596700.000 | 119.154 | 20.352 |
| 268.405 | 37910.355 | 41604.191 | 26.965 |
| 28.291 | 26.378 | 1.019 | |
| 10/19/2016 8:00:00 PM | 597600.000 | 119.124 | 20.353 |
| 268.339 | 37883.023 | 41573.277 | 26.943 |
| 28.270 | 26.397 | 1.019 | |
| 10/19/2016 8:15:00 PM | 598500.000 | 119.102 | 20.347 |
| 268.289 | 37869.707 | 41563.164 | 26.935 |
| 28.263 | 26.406 | 1.019 | |
| 10/19/2016 8:30:00 PM | 599400.000 | 119.111 | 20.346 |
| 268.309 | 37857.863 | 41551.695 | 26.927 |
| 28.255 | 26.415 | 1.019 | |
| 10/19/2016 8:45:00 PM | 600300.000 | 119.073 | 20.346 |
| 268.224 | 37810.105 | 41498.969 | 26.889 |
| 28.219 | 26.448 | 1.019 | |
| 10/19/2016 9:00:00 PM | 601200.000 | 119.059 | 20.348 |
| 268.192 | 37881.805 | 41575.836 | 26.945 |
| 28.272 | 26.398 | 1.019 | |
| 10/19/2016 9:15:00 PM | 602100.000 | 119.079 | 20.353 |
| 268.238 | 37903.363 | 41595.598 | 26.959 |
| 28.285 | 26.383 | 1.019 | |
| 10/19/2016 9:30:00 PM | 603000.000 | 119.042 | 20.354 |
| 268.153 | 37876.820 | 41565.180 | 26.937 |
| 28.264 | 26.401 | 1.019 | |
| 10/19/2016 9:45:00 PM | 603900.000 | 119.039 | 20.349 |
| 268.146 | 37850.066 | 41540.543 | 26.919 |
| 28.248 | 26.420 | 1.019 | |
| 10/19/2016 10:00:00 PM | 604800.000 | 119.039 | 20.348 |
| 268.146 | 37893.352 | 41588.813 | 26.954 |
| 28.280 | 26.390 | 1.019 | |
| 10/19/2016 10:15:00 PM | 605700.000 | 119.053 | 20.344 |
| 268.178 | 37821.270 | 41512.832 | 26.899 |
| 28.229 | 26.440 | 1.019 | |
| 10/19/2016 10:30:00 PM | 606600.000 | 119.078 | 20.347 |
| 268.234 | 37882.422 | 41577.117 | 26.945 |
| 28.272 | 26.397 | 1.019 | |
| 10/19/2016 10:45:00 PM | 607500.000 | 119.060 | 20.349 |
| 268.195 | 37865.984 | 41557.941 | 26.932 |
| 28.259 | 26.409 | 1.019 | |
| 10/19/2016 11:00:00 PM | 608400.000 | 119.072 | 20.354 |
| 268.221 | 37885.332 | 41574.207 | 26.944 |
| 28.270 | 26.395 | 1.019 | |
| 10/19/2016 11:15:00 PM | 609300.000 | 119.082 | 20.348 |
| 268.244 | 37794.648 | 41480.711 | 26.876 |
| 28.207 | 26.459 | 1.018 | |
| 10/19/2016 11:30:00 PM | 610200.000 | 119.106 | 20.346 |
| 268.298 | 37866.641 | 41561.328 | 26.934 |
| 28.262 | 26.408 | 1.019 | |
| 10/19/2016 11:45:00 PM | 611100.000 | 119.121 | 20.346 |
| 268.331 | 37833.184 | 41524.754 | 26.908 |
| 28.237 | 26.432 | 1.019 | |

Report Date: 10/21/2016 8:25:21 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-4M LT Test_2016-10-20_19-36-09-984-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-4M
Device Name:
Serial Number: 428901
Firmware Version: 2.01
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 14

Log Configuration
Log Name: MPWSP MW-4M LT Test
Created By: ANorris
Computer Name: PROBOOK10
Application: WinSitu.exe
Application Version: 5.6.27.1
Create Date: 10/1/2016 7:44:55 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 10/1/2016 7:50:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 05 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.012

Other Log Settings
Depth of Probe: 197.555 (ft)
Head Pressure: 86.6734 (PSI)
Temperature: 17.9975 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

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Log Notes:

| Date and Time | Note |
|---|---|
| 10/1/2016 7:45:03 PM | Used Battery: 14% Used Memory: 3% User Name: ANorris |
| 10/2/2016 11:27:35 AM | Log Download - Used Battery: 14% Used Memory: 3% User Name: ANorris Interval - Start Time: 10/1/2016 7:50:00 PM Stop Time: 10/2/2016 12:30:00 PM |
| 10/6/2016 5:03:54 PM | Log Download - Used Battery: 15% Used Memory: 4% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/6/2016 5:15:00 PM |
| 10/13/2016 7:37:50 PM | Log Download - Used Battery: 16% Used Memory: 6% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 7:30:00 PM |
| 10/20/2016 7:34:33 PM | Log Download - Used Battery: 16% Used Memory: 9% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 7:30:00 PM |
| 10/21/2016 8:23:58 AM | User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl"" |

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Log Data:
Record Count: 2274
Sensors: 2
1 - 428901: PCTD 100 PSIA (60.1m/197.3ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

| | Sensor: PCTD(A) 197.3ft SN#: 428901 | Sensor: PCTD(A) 197.3ft SN#: 428901 | Sensor: PCTD(A) 197.3ft SN#: 428901 | Sensor: PCTD(A) 197.3ft SN#: 428901 | Sensor: PCTD(A) 197.3ft SN#: 428901 | Sensor: PCTD(A) 197.3ft SN#: 428901 | Sensor: PCTD(A) 197.3ft SN#: 428901 | Sensor: PCTD(A) 197.3ft SN#: 428901 | Sensor: PCTD(A) 197.3ft SN#: 428901 | Sensor: PCTD(A) 197.3ft SN#: 428901 | Sensor: PCTD(A) 197.3ft SN#: 428901 | Sensor: Baro-Adj Calc SN#: 000000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date and Time | Elapsed Time Seconds | Corrected Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppm) | Resistivity (ohm-cm) | Water Density (g/cm3) | Barometric Pressure (PSI) | |
| 10/13/2016 12:00:00 AM | 7200.000 | 72.194 | 17.994 | 164.553 | 28941.734 | 33412.848 | 21.092 | 22720.738 | 34.552 | 1.015 | 14.771 | |
| 10/13/2016 12:05:00 AM | 7500.000 | 72.191 | 17.994 | 164.545 | 28924.027 | 33392.273 | 21.078 | 22706.746 | 34.573 | 1.015 | 14.771 | |
| 10/13/2016 12:10:00 AM | 7800.000 | 72.188 | 17.994 | | | | | | | | | |

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|---|---|---|---|
| 164.538 | 28931.098 | 33400.699 | 21.084 |
| 22712.477 | 34.565 | 1.015 | 14.771 |
| 10/13/2016 12:15:00 AM | 8100.000 | 72.191 | 17.994 |
| 164.547 | 28920.545 | 33388.387 | 21.075 |
| 22704.105 | 34.577 | 1.015 | 14.771 |
| 10/13/2016 12:20:00 AM | 8400.000 | 72.167 | 17.994 |
| 164.492 | 28920.125 | 33388.223 | 21.075 |
| 22703.992 | 34.578 | 1.015 | 14.772 |
| 10/13/2016 12:25:00 AM | 8700.000 | 72.190 | 17.994 |
| 164.543 | 28927.758 | 33396.457 | 21.081 |
| 22709.594 | 34.569 | 1.015 | 14.772 |
| 10/13/2016 12:30:00 AM | 9000.000 | 72.160 | 17.994 |
| 164.474 | 28929.801 | 33399.203 | 21.083 |
| 22711.461 | 34.566 | 1.015 | 14.773 |
| 10/13/2016 12:35:00 AM | 9300.000 | 72.184 | 17.994 |
| 164.529 | 28929.055 | 33398.078 | 21.082 |
| 22710.695 | 34.567 | 1.015 | 14.774 |
| 10/13/2016 12:40:00 AM | 9600.000 | 72.182 | 17.994 |
| 164.525 | 28944.346 | 33415.730 | 21.094 |
| 22722.697 | 34.549 | 1.015 | 14.774 |
| 10/13/2016 12:45:00 AM | 9900.000 | 72.176 | 17.994 |
| 164.512 | 28932.469 | 33402.281 | 21.085 |
| 22713.553 | 34.563 | 1.015 | 14.775 |
| 10/13/2016 12:50:00 AM | 10200.000 | 72.175 | 17.994 |
| 164.509 | 28936.045 | 33406.344 | 21.088 |
| 22716.316 | 34.559 | 1.015 | 14.776 |
| 10/13/2016 12:55:00 AM | 10500.000 | 72.174 | 17.994 |
| 164.506 | 28934.926 | 33404.797 | 21.087 |
| 22715.264 | 34.560 | 1.015 | 14.777 |
| 10/13/2016 1:00:00 AM | 10800.000 | 72.175 | 17.994 |
| 164.508 | 28915.660 | 33382.746 | 21.071 |
| 22700.268 | 34.583 | 1.015 | 14.777 |
| 10/13/2016 1:05:00 AM | 11100.000 | 72.146 | 17.994 |
| 164.442 | 28927.477 | 33396.520 | 21.081 |
| 22709.635 | 34.569 | 1.015 | 14.779 |
| 10/13/2016 1:10:00 AM | 11400.000 | 72.163 | 17.995 |
| 164.482 | 28942.061 | 33412.840 | 21.092 |
| 22720.732 | 34.552 | 1.015 | 14.780 |
| 10/13/2016 1:15:00 AM | 11700.000 | 72.140 | 17.994 |
| 164.429 | 28919.250 | 33387.023 | 21.074 |
| 22703.176 | 34.579 | 1.015 | 14.782 |
| 10/13/2016 1:20:00 AM | 12000.000 | 72.156 | 17.994 |
| 164.466 | 28927.701 | 33396.586 | 21.081 |
| 22709.678 | 34.569 | 1.015 | 14.779 |
| 10/13/2016 1:25:00 AM | 12300.000 | 72.161 | 17.995 |
| 164.477 | 28927.969 | 33396.500 | 21.081 |
| 22709.621 | 34.569 | 1.015 | 14.775 |
| 10/13/2016 1:30:00 AM | 12600.000 | 72.159 | 17.994 |
| 164.472 | 28933.271 | 33403.398 | 21.086 |
| 22714.313 | 34.562 | 1.015 | 14.772 |
| 10/13/2016 1:35:00 AM | 12900.000 | 72.158 | 17.994 |
| 164.469 | 28930.973 | 33400.105 | 21.083 |
| 22712.074 | 34.565 | 1.015 | 14.772 |
| 10/13/2016 1:40:00 AM | 13200.000 | 72.158 | 17.994 |

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|---|---|---|---|
| 164.471 | 28947.395 | 33419.191 | 21.097 |
| 22725.053 | 34.545 | 1.015 | 14.771 |
| 10/13/2016 1:45:00 AM | 13500.000 | 72.153 | 17.995 |
| 164.460 | 28944.414 | 33415.488 | 21.094 |
| 22722.535 | 34.549 | 1.015 | 14.770 |
| 10/13/2016 1:50:00 AM | 13800.000 | 72.150 | 17.994 |
| 164.453 | 28919.146 | 33386.711 | 21.074 |
| 22702.965 | 34.579 | 1.015 | 14.771 |
| 10/13/2016 1:55:00 AM | 14100.000 | 72.147 | 17.994 |
| 164.446 | 28938.955 | 33409.320 | 21.090 |
| 22718.340 | 34.555 | 1.015 | 14.773 |
| 10/13/2016 2:00:00 AM | 14400.000 | 72.143 | 17.993 |
| 164.436 | 28929.592 | 33399.344 | 21.083 |
| 22711.555 | 34.567 | 1.015 | 14.774 |
| 10/13/2016 2:05:00 AM | 14700.000 | 72.139 | 17.994 |
| 164.426 | 28918.148 | 33385.430 | 21.073 |
| 22702.094 | 34.580 | 1.015 | 14.774 |
| 10/13/2016 2:10:00 AM | 15000.000 | 72.142 | 17.994 |
| 164.434 | 28920.559 | 33388.723 | 21.075 |
| 22704.332 | 34.577 | 1.015 | 14.774 |
| 10/13/2016 2:15:00 AM | 15300.000 | 72.141 | 17.994 |
| 164.431 | 28930.348 | 33399.512 | 21.083 |
| 22711.670 | 34.566 | 1.015 | 14.774 |
| 10/13/2016 2:20:00 AM | 15600.000 | 72.135 | 17.995 |
| 164.419 | 28949.764 | 33421.664 | 21.098 |
| 22726.734 | 34.543 | 1.015 | 14.774 |
| 10/13/2016 2:25:00 AM | 15900.000 | 72.130 | 17.994 |
| 164.406 | 28911.639 | 33377.914 | 21.068 |
| 22696.982 | 34.588 | 1.015 | 14.773 |
| 10/13/2016 2:30:00 AM | 16200.000 | 72.133 | 17.994 |
| 164.413 | 28930.039 | 33399.477 | 21.083 |
| 22711.645 | 34.566 | 1.015 | 14.772 |
| 10/13/2016 2:35:00 AM | 16500.000 | 72.127 | 17.994 |
| 164.401 | 28915.779 | 33382.750 | 21.071 |
| 22700.270 | 34.583 | 1.015 | 14.773 |
| 10/13/2016 2:40:00 AM | 16800.000 | 72.130 | 17.995 |
| 164.406 | 28933.113 | 33402.508 | 21.085 |
| 22713.707 | 34.562 | 1.015 | 14.773 |
| 10/13/2016 2:45:00 AM | 17100.000 | 72.126 | 17.994 |
| 164.398 | 28919.678 | 33387.250 | 21.074 |
| 22703.330 | 34.579 | 1.015 | 14.773 |
| 10/13/2016 2:50:00 AM | 17400.000 | 72.105 | 17.994 |
| 164.350 | 28931.916 | 33401.574 | 21.084 |
| 22713.072 | 34.564 | 1.015 | 14.775 |
| 10/13/2016 2:55:00 AM | 17700.000 | 72.121 | 17.994 |
| 164.386 | 28947.590 | 33419.871 | 21.097 |
| 22725.514 | 34.545 | 1.015 | 14.776 |
| 10/13/2016 3:00:00 AM | 18000.000 | 72.116 | 17.994 |
| 164.375 | 28931.029 | 33400.488 | 21.084 |
| 22712.334 | 34.565 | 1.015 | 14.778 |
| 10/13/2016 3:05:00 AM | 18300.000 | 72.119 | 17.994 |
| 164.381 | 28940.953 | 33412.211 | 21.092 |
| 22720.305 | 34.553 | 1.015 | 14.775 |
| 10/13/2016 3:10:00 AM | 18600.000 | 72.118 | 17.994 |

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|---|---|---|---|
| 164.379 | 28949.293 | 33421.516 | 21.098 |
| 22726.631 | 34.543 | 1.015 | 14.772 |
| 10/13/2016 3:15:00 AM | 18900.000 | 72.117 | 17.994 |
| 164.376 | 28917.498 | 33384.676 | 21.073 |
| 22701.582 | 34.581 | 1.015 | 14.769 |
| 10/13/2016 3:20:00 AM | 19200.000 | 72.114 | 17.993 |
| 164.369 | 28938.104 | 33409.105 | 21.090 |
| 22718.193 | 34.557 | 1.015 | 14.768 |
| 10/13/2016 3:25:00 AM | 19500.000 | 72.116 | 17.994 |
| 164.375 | 28924.893 | 33393.535 | 21.079 |
| 22707.605 | 34.572 | 1.015 | 14.766 |
| 10/13/2016 3:30:00 AM | 19800.000 | 72.119 | 17.994 |
| 164.382 | 28940.479 | 33411.531 | 21.091 |
| 22719.844 | 34.554 | 1.015 | 14.764 |
| 10/13/2016 3:35:00 AM | 20100.000 | 72.114 | 17.994 |
| 164.371 | 28929.193 | 33398.180 | 21.082 |
| 22710.762 | 34.567 | 1.015 | 14.764 |
| 10/13/2016 3:40:00 AM | 20400.000 | 72.111 | 17.993 |
| 164.363 | 28929.482 | 33399.094 | 21.083 |
| 22711.385 | 34.567 | 1.015 | 14.764 |
| 10/13/2016 3:45:00 AM | 20700.000 | 72.110 | 17.994 |
| 164.361 | 28933.818 | 33403.520 | 21.086 |
| 22714.395 | 34.562 | 1.015 | 14.763 |
| 10/13/2016 3:50:00 AM | 21000.000 | 72.113 | 17.994 |
| 164.367 | 28947.424 | 33419.418 | 21.097 |
| 22725.207 | 34.545 | 1.015 | 14.762 |
| 10/13/2016 3:55:00 AM | 21300.000 | 72.111 | 17.994 |
| 164.364 | 28934.480 | 33404.215 | 21.086 |
| 22714.869 | 34.561 | 1.015 | 14.762 |
| 10/13/2016 4:00:00 AM | 21600.000 | 72.109 | 17.994 |
| 164.358 | 28919.104 | 33386.531 | 21.074 |
| 22702.842 | 34.579 | 1.015 | 14.761 |
| 10/13/2016 4:05:00 AM | 21900.000 | 72.106 | 17.994 |
| 164.351 | 28925.602 | 33394.355 | 21.079 |
| 22708.162 | 34.571 | 1.015 | 14.761 |
| 10/13/2016 4:10:00 AM | 22200.000 | 72.111 | 17.994 |
| 164.363 | 28942.371 | 33413.449 | 21.093 |
| 22721.148 | 34.551 | 1.015 | 14.762 |
| 10/13/2016 4:15:00 AM | 22500.000 | 72.088 | 17.994 |
| 164.310 | 28933.900 | 33403.996 | 21.086 |
| 22714.719 | 34.562 | 1.015 | 14.763 |
| 10/13/2016 4:20:00 AM | 22800.000 | 72.108 | 17.995 |
| 164.356 | 28940.545 | 33410.828 | 21.091 |
| 22719.363 | 34.554 | 1.015 | 14.762 |
| 10/13/2016 4:25:00 AM | 23100.000 | 72.107 | 17.994 |
| 164.354 | 28944.773 | 33416.297 | 21.095 |
| 22723.084 | 34.549 | 1.015 | 14.760 |
| 10/13/2016 4:30:00 AM | 23400.000 | 72.116 | 17.994 |
| 164.374 | 28944.414 | 33416.074 | 21.094 |
| 22722.934 | 34.549 | 1.015 | 14.759 |
| 10/13/2016 4:35:00 AM | 23700.000 | 72.109 | 17.995 |
| 164.358 | 28921.574 | 33389.188 | 21.076 |
| 22704.648 | 34.576 | 1.015 | 14.758 |
| 10/13/2016 4:40:00 AM | 24000.000 | 72.107 | 17.994 |

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|---|---|---|---|
| 164.354 | 28942.705 | 33413.777 | 21.093 |
| 22721.371 | 34.551 | 1.015 | 14.758 |
| 10/13/2016 4:45:00 AM | 24300.000 | 72.108 | 17.994 |
| 164.357 | 28936.557 | 33406.871 | 21.088 |
| 22716.674 | 34.558 | 1.015 | 14.757 |
| 10/13/2016 4:50:00 AM | 24600.000 | 72.109 | 17.994 |
| 164.358 | 28922.645 | 33390.676 | 21.077 |
| 22705.662 | 34.575 | 1.015 | 14.757 |
| 10/13/2016 4:55:00 AM | 24900.000 | 72.106 | 17.994 |
| 164.352 | 28923.979 | 33392.480 | 21.078 |
| 22706.889 | 34.573 | 1.015 | 14.757 |
| 10/13/2016 5:00:00 AM | 25200.000 | 72.109 | 17.994 |
| 164.358 | 28929.832 | 33399.047 | 21.083 |
| 22711.354 | 34.566 | 1.015 | 14.757 |
| 10/13/2016 5:05:00 AM | 25500.000 | 72.109 | 17.994 |
| 164.358 | 28951.146 | 33423.715 | 21.100 |
| 22728.129 | 34.541 | 1.015 | 14.758 |
| 10/13/2016 5:10:00 AM | 25800.000 | 72.101 | 17.994 |
| 164.341 | 28943.879 | 33415.004 | 21.094 |
| 22722.205 | 34.550 | 1.015 | 14.759 |
| 10/13/2016 5:15:00 AM | 26100.000 | 72.098 | 17.994 |
| 164.334 | 28947.369 | 33419.414 | 21.097 |
| 22725.203 | 34.545 | 1.015 | 14.761 |
| 10/13/2016 5:20:00 AM | 26400.000 | 72.104 | 17.994 |
| 164.348 | 28921.371 | 33389.082 | 21.076 |
| 22704.576 | 34.577 | 1.015 | 14.760 |
| 10/13/2016 5:25:00 AM | 26700.000 | 72.104 | 17.994 |
| 164.346 | 28939.145 | 33409.539 | 21.090 |
| 22718.486 | 34.555 | 1.015 | 14.760 |
| 10/13/2016 5:30:00 AM | 27000.000 | 72.104 | 17.994 |
| 164.347 | 28923.309 | 33391.637 | 21.077 |
| 22706.314 | 34.574 | 1.015 | 14.759 |
| 10/13/2016 5:35:00 AM | 27300.000 | 72.113 | 17.994 |
| 164.367 | 28925.752 | 33394.461 | 21.079 |
| 22708.234 | 34.571 | 1.015 | 14.758 |
| 10/13/2016 5:40:00 AM | 27600.000 | 72.114 | 17.994 |
| 164.370 | 28936.314 | 33406.590 | 21.088 |
| 22716.482 | 34.559 | 1.015 | 14.756 |
| 10/13/2016 5:45:00 AM | 27900.000 | 72.115 | 17.994 |
| 164.373 | 28934.850 | 33404.582 | 21.086 |
| 22715.117 | 34.560 | 1.015 | 14.755 |
| 10/13/2016 5:50:00 AM | 28200.000 | 72.116 | 17.994 |
| 164.375 | 28918.785 | 33386.547 | 21.074 |
| 22702.852 | 34.580 | 1.015 | 14.756 |
| 10/13/2016 5:55:00 AM | 28500.000 | 72.117 | 17.993 |
| 164.376 | 28918.428 | 33386.453 | 21.074 |
| 22702.789 | 34.580 | 1.015 | 14.757 |
| 10/13/2016 6:00:00 AM | 28800.000 | 72.099 | 17.994 |
| 164.337 | 28934.209 | 33404.355 | 21.086 |
| 22714.965 | 34.561 | 1.015 | 14.758 |
| 10/13/2016 6:05:00 AM | 29100.000 | 72.120 | 17.994 |
| 164.384 | 28925.094 | 33393.578 | 21.079 |
| 22707.635 | 34.572 | 1.015 | 14.758 |
| 10/13/2016 6:10:00 AM | 29400.000 | 72.121 | 17.994 |

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|---|---|---|---|
| 164.386 | 28930.744 | 33400.352 | 21.084 |
| 22712.242 | 34.565 | 1.015 | 14.758 |
| 10/13/2016 6:15:00 AM | 29700.000 | 72.120 | 17.994 |
| 164.383 | 28925.414 | 33394.270 | 21.079 |
| 22708.105 | 34.572 | 1.015 | 14.758 |
| 10/13/2016 6:20:00 AM | 30000.000 | 72.124 | 17.995 |
| 164.393 | 28936.582 | 33406.516 | 21.088 |
| 22716.432 | 34.558 | 1.015 | 14.759 |
| 10/13/2016 6:25:00 AM | 30300.000 | 72.129 | 17.994 |
| 164.403 | 28944.014 | 33415.480 | 21.094 |
| 22722.529 | 34.549 | 1.015 | 14.759 |
| 10/13/2016 6:30:00 AM | 30600.000 | 72.122 | 17.993 |
| 164.387 | 28924.176 | 33393.027 | 21.078 |
| 22707.260 | 34.573 | 1.015 | 14.760 |
| 10/13/2016 6:35:00 AM | 30900.000 | 72.107 | 17.994 |
| 164.355 | 28930.990 | 33400.508 | 21.084 |
| 22712.348 | 34.565 | 1.015 | 14.758 |
| 10/13/2016 6:40:00 AM | 31200.000 | 72.131 | 17.994 |
| 164.408 | 28931.439 | 33400.965 | 21.084 |
| 22712.658 | 34.564 | 1.015 | 14.756 |
| 10/13/2016 6:45:00 AM | 31500.000 | 72.114 | 17.994 |
| 164.370 | 28936.176 | 33406.563 | 21.088 |
| 22716.463 | 34.559 | 1.015 | 14.755 |
| 10/13/2016 6:50:00 AM | 31800.000 | 72.135 | 17.994 |
| 164.419 | 28943.271 | 33414.816 | 21.094 |
| 22722.076 | 34.550 | 1.015 | 14.754 |
| 10/13/2016 6:55:00 AM | 32100.000 | 72.137 | 17.994 |
| 164.422 | 28934.926 | 33404.855 | 21.087 |
| 22715.303 | 34.560 | 1.015 | 14.754 |
| 10/13/2016 7:00:00 AM | 32400.000 | 72.140 | 17.994 |
| 164.430 | 28927.887 | 33397.055 | 21.081 |
| 22710.000 | 34.569 | 1.015 | 14.754 |
| 10/13/2016 7:05:00 AM | 32700.000 | 72.148 | 17.994 |
| 164.448 | 28924.209 | 33392.676 | 21.078 |
| 22707.020 | 34.573 | 1.015 | 14.753 |
| 10/13/2016 7:10:00 AM | 33000.000 | 72.144 | 17.994 |
| 164.439 | 28931.613 | 33401.484 | 21.084 |
| 22713.012 | 34.564 | 1.015 | 14.753 |
| 10/13/2016 7:15:00 AM | 33300.000 | 72.148 | 17.994 |
| 164.448 | 28926.668 | 33395.719 | 21.080 |
| 22709.092 | 34.570 | 1.015 | 14.752 |
| 10/13/2016 7:20:00 AM | 33600.000 | 72.147 | 17.994 |
| 164.444 | 28920.525 | 33388.172 | 21.075 |
| 22703.959 | 34.578 | 1.015 | 14.753 |
| 10/13/2016 7:25:00 AM | 33900.000 | 72.147 | 17.994 |
| 164.445 | 28927.457 | 33396.496 | 21.081 |
| 22709.617 | 34.569 | 1.015 | 14.754 |
| 10/13/2016 7:30:00 AM | 34200.000 | 72.154 | 17.994 |
| 164.462 | 28938.627 | 33409.262 | 21.090 |
| 22718.301 | 34.556 | 1.015 | 14.754 |
| 10/13/2016 7:35:00 AM | 34500.000 | 72.155 | 17.994 |
| 164.463 | 28946.973 | 33418.707 | 21.096 |
| 22724.723 | 34.546 | 1.015 | 14.754 |
| 10/13/2016 7:40:00 AM | 34800.000 | 72.157 | 17.994 |

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|---|---|---|---|
| 164.469 | 28917.441 | 33384.801 | 21.073 |
| 22701.666 | 34.581 | 1.015 | 14.754 |
| 10/13/2016 7:45:00 AM | 35100.000 | 72.160 | 17.994 |
| 164.475 | 28937.502 | 33408.156 | 21.089 |
| 22717.549 | 34.557 | 1.015 | 14.754 |
| 10/13/2016 7:50:00 AM | 35400.000 | 72.161 | 17.994 |
| 164.478 | 28939.561 | 33410.602 | 21.091 |
| 22719.209 | 34.555 | 1.015 | 14.753 |
| 10/13/2016 7:55:00 AM | 35700.000 | 72.158 | 17.994 |
| 164.471 | 28948.316 | 33420.578 | 21.098 |
| 22725.996 | 34.544 | 1.015 | 14.752 |
| 10/13/2016 8:00:00 AM | 36000.000 | 72.171 | 17.994 |
| 164.499 | 28929.279 | 33398.211 | 21.082 |
| 22710.785 | 34.567 | 1.015 | 14.751 |
| 10/13/2016 8:05:00 AM | 36300.000 | 72.171 | 17.994 |
| 164.499 | 28935.238 | 33405.410 | 21.087 |
| 22715.682 | 34.560 | 1.015 | 14.752 |
| 10/13/2016 8:10:00 AM | 36600.000 | 72.173 | 17.994 |
| 164.504 | 28945.014 | 33416.500 | 21.095 |
| 22723.223 | 34.548 | 1.015 | 14.753 |
| 10/13/2016 8:15:00 AM | 36900.000 | 72.172 | 17.994 |
| 164.502 | 28934.367 | 33404.152 | 21.086 |
| 22714.824 | 34.561 | 1.015 | 14.754 |
| 10/13/2016 8:20:00 AM | 37200.000 | 72.172 | 17.994 |
| 164.501 | 28918.467 | 33386.250 | 21.074 |
| 22702.652 | 34.580 | 1.015 | 14.755 |
| 10/13/2016 8:25:00 AM | 37500.000 | 72.179 | 17.994 |
| 164.518 | 28933.223 | 33403.344 | 21.086 |
| 22714.275 | 34.562 | 1.015 | 14.756 |
| 10/13/2016 8:30:00 AM | 37800.000 | 72.184 | 17.994 |
| 164.530 | 28916.471 | 33383.492 | 21.072 |
| 22700.777 | 34.582 | 1.015 | 14.757 |
| 10/13/2016 8:35:00 AM | 38100.000 | 72.181 | 17.994 |
| 164.523 | 28936.422 | 33406.848 | 21.088 |
| 22716.658 | 34.559 | 1.015 | 14.758 |
| 10/13/2016 8:40:00 AM | 38400.000 | 72.167 | 17.994 |
| 164.491 | 28922.902 | 33390.918 | 21.077 |
| 22705.826 | 34.575 | 1.015 | 14.759 |
| 10/13/2016 8:45:00 AM | 38700.000 | 72.182 | 17.994 |
| 164.526 | 28927.111 | 33396.098 | 21.081 |
| 22709.348 | 34.570 | 1.015 | 14.759 |
| 10/13/2016 8:50:00 AM | 39000.000 | 72.186 | 17.994 |
| 164.534 | 28934.563 | 33404.699 | 21.087 |
| 22715.197 | 34.561 | 1.015 | 14.760 |
| 10/13/2016 8:55:00 AM | 39300.000 | 72.190 | 17.994 |
| 164.544 | 28924.826 | 33393.195 | 21.079 |
| 22707.375 | 34.572 | 1.015 | 14.760 |
| 10/13/2016 9:00:00 AM | 39600.000 | 72.195 | 17.994 |
| 164.554 | 28936.604 | 33406.988 | 21.088 |
| 22716.754 | 34.558 | 1.015 | 14.760 |
| 10/13/2016 9:05:00 AM | 39900.000 | 72.194 | 17.994 |
| 164.553 | 28933.824 | 33403.910 | 21.086 |
| 22714.658 | 34.562 | 1.015 | 14.761 |
| 10/13/2016 9:10:00 AM | 40200.000 | 72.201 | 17.994 |

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|---|---|---|---|
| 164.569 | 28941.623 | 33412.719 | 21.092 |
| 22720.650 | 34.552 | 1.015 | 14.761 |
| 10/13/2016 9:15:00 AM | 40500.000 | 72.187 | 17.994 |
| 164.537 | 28930.832 | 33400.324 | 21.083 |
| 22712.221 | 34.565 | 1.015 | 14.761 |
| 10/13/2016 9:20:00 AM | 40800.000 | 72.190 | 17.994 |
| 164.543 | 28954.699 | 33428.082 | 21.103 |
| 22731.096 | 34.537 | 1.015 | 14.764 |
| 10/13/2016 9:25:00 AM | 41100.000 | 72.203 | 17.994 |
| 164.573 | 28936.248 | 33406.383 | 21.088 |
| 22716.342 | 34.559 | 1.015 | 14.768 |
| 10/13/2016 9:30:00 AM | 41400.000 | 72.202 | 17.994 |
| 164.571 | 28926.576 | 33395.480 | 21.080 |
| 22708.930 | 34.570 | 1.015 | 14.771 |
| 10/13/2016 9:35:00 AM | 41700.000 | 72.205 | 17.994 |
| 164.578 | 28927.389 | 33396.227 | 21.081 |
| 22709.434 | 34.569 | 1.015 | 14.768 |
| 10/13/2016 9:40:00 AM | 42000.000 | 72.208 | 17.994 |
| 164.584 | 28929.641 | 33398.695 | 21.082 |
| 22711.115 | 34.567 | 1.015 | 14.765 |
| 10/13/2016 9:45:00 AM | 42300.000 | 72.213 | 17.994 |
| 164.597 | 28937.527 | 33407.992 | 21.089 |
| 22717.436 | 34.557 | 1.015 | 14.763 |
| 10/13/2016 9:50:00 AM | 42600.000 | 72.216 | 17.994 |
| 164.602 | 28941.236 | 33412.215 | 21.092 |
| 22720.309 | 34.553 | 1.015 | 14.767 |
| 10/13/2016 9:55:00 AM | 42900.000 | 72.208 | 17.994 |
| 164.584 | 28928.801 | 33397.918 | 21.082 |
| 22710.584 | 34.568 | 1.015 | 14.770 |
| 10/13/2016 10:00:00 AM | 43200.000 | 72.215 | 17.994 |
| 164.599 | 28958.227 | 33432.020 | 21.106 |
| 22733.773 | 34.533 | 1.015 | 14.774 |
| 10/13/2016 10:05:00 AM | 43500.000 | 72.213 | 17.994 |
| 164.596 | 28940.332 | 33411.039 | 21.091 |
| 22719.508 | 34.554 | 1.015 | 14.773 |
| 10/13/2016 10:10:00 AM | 43800.000 | 72.218 | 17.994 |
| 164.606 | 28943.027 | 33414.340 | 21.093 |
| 22721.752 | 34.551 | 1.015 | 14.771 |
| 10/13/2016 10:15:00 AM | 44100.000 | 72.219 | 17.995 |
| 164.609 | 28925.258 | 33393.316 | 21.079 |
| 22707.457 | 34.572 | 1.015 | 14.770 |
| 10/13/2016 10:20:00 AM | 44400.000 | 72.217 | 17.994 |
| 164.605 | 28934.953 | 33404.699 | 21.087 |
| 22715.197 | 34.560 | 1.015 | 14.770 |
| 10/13/2016 10:25:00 AM | 44700.000 | 72.216 | 17.994 |
| 164.603 | 28921.973 | 33389.973 | 21.076 |
| 22705.184 | 34.576 | 1.015 | 14.770 |
| 10/13/2016 10:30:00 AM | 45000.000 | 72.221 | 17.994 |
| 164.614 | 28929.428 | 33398.832 | 21.082 |
| 22711.207 | 34.567 | 1.015 | 14.770 |
| 10/13/2016 10:35:00 AM | 45300.000 | 72.219 | 17.994 |
| 164.609 | 28929.391 | 33398.277 | 21.082 |
| 22710.828 | 34.567 | 1.015 | 14.771 |
| 10/13/2016 10:40:00 AM | 45600.000 | 72.221 | 17.994 |

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|---|---|---|---|
| 164.613 | 28912.141 | 33378.625 | 21.068 |
| 22697.467 | 34.588 | 1.015 | 14.772 |
| 10/13/2016 10:45:00 AM | 45900.000 | 72.220 | 17.994 |
| 164.612 | 28937.506 | 33408.160 | 21.089 |
| 22717.551 | 34.557 | 1.015 | 14.773 |
| 10/13/2016 10:50:00 AM | 46200.000 | 72.217 | 17.993 |
| 164.605 | 28938.109 | 33409.051 | 21.090 |
| 22718.154 | 34.557 | 1.015 | 14.773 |
| 10/13/2016 10:55:00 AM | 46500.000 | 72.213 | 17.994 |
| 164.596 | 28917.684 | 33385.082 | 21.073 |
| 22701.857 | 34.581 | 1.015 | 14.773 |
| 10/13/2016 11:00:00 AM | 46800.000 | 72.223 | 17.994 |
| 164.620 | 28932.557 | 33402.254 | 21.085 |
| 22713.533 | 34.563 | 1.015 | 14.773 |
| 10/13/2016 11:05:00 AM | 47100.000 | 72.214 | 17.994 |
| 164.598 | 28933.467 | 33403.305 | 21.086 |
| 22714.248 | 34.562 | 1.015 | 14.774 |
| 10/13/2016 11:10:00 AM | 47400.000 | 72.216 | 17.994 |
| 164.602 | 28941.563 | 33412.781 | 21.092 |
| 22720.691 | 34.552 | 1.015 | 14.775 |
| 10/13/2016 11:15:00 AM | 47700.000 | 72.219 | 17.994 |
| 164.610 | 28940.787 | 33411.563 | 21.091 |
| 22719.863 | 34.553 | 1.015 | 14.776 |
| 10/13/2016 11:20:00 AM | 48000.000 | 72.218 | 17.994 |
| 164.607 | 28938.811 | 33409.340 | 21.090 |
| 22718.354 | 34.556 | 1.015 | 14.776 |
| 10/13/2016 11:25:00 AM | 48300.000 | 72.218 | 17.994 |
| 164.608 | 28934.443 | 33404.113 | 21.086 |
| 22714.799 | 34.561 | 1.015 | 14.776 |
| 10/13/2016 11:30:00 AM | 48600.000 | 72.214 | 17.993 |
| 164.597 | 28936.678 | 33407.598 | 21.089 |
| 22717.166 | 34.558 | 1.015 | 14.775 |
| 10/13/2016 11:35:00 AM | 48900.000 | 72.213 | 17.994 |
| 164.595 | 28938.238 | 33409.078 | 21.090 |
| 22718.174 | 34.556 | 1.015 | 14.774 |
| 10/13/2016 11:40:00 AM | 49200.000 | 72.199 | 17.994 |
| 164.565 | 28931.480 | 33401.012 | 21.084 |
| 22712.688 | 34.564 | 1.015 | 14.772 |
| 10/13/2016 11:45:00 AM | 49500.000 | 72.217 | 17.994 |
| 164.605 | 28930.178 | 33399.445 | 21.083 |
| 22711.625 | 34.566 | 1.015 | 14.770 |
| 10/13/2016 11:50:00 AM | 49800.000 | 72.205 | 17.994 |
| 164.578 | 28948.213 | 33420.594 | 21.098 |
| 22726.006 | 34.544 | 1.015 | 14.770 |
| 10/13/2016 11:55:00 AM | 50100.000 | 72.225 | 17.994 |
| 164.622 | 28939.316 | 33409.922 | 21.090 |
| 22718.750 | 34.555 | 1.015 | 14.770 |
| 10/13/2016 12:00:00 PM | 50400.000 | 72.220 | 17.995 |
| 164.613 | 28941.867 | 33412.547 | 21.092 |
| 22720.531 | 34.552 | 1.015 | 14.770 |
| 10/13/2016 12:05:00 PM | 50700.000 | 72.221 | 17.994 |
| 164.614 | 28930.576 | 33400.160 | 21.083 |
| 22712.111 | 34.566 | 1.015 | 14.770 |
| 10/13/2016 12:10:00 PM | 51000.000 | 72.200 | 17.993 |

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|---|---|---|---|
| 164.565 | 28941.340 | 33412.781 | 21.092 |
| 22720.691 | 34.553 | 1.015 | 14.770 |
| 10/13/2016 12:15:00 PM | 51300.000 | 72.215 | 17.994 |
| 164.601 | 28931.666 | 33401.285 | 21.084 |
| 22712.875 | 34.564 | 1.015 | 14.770 |
| 10/13/2016 12:20:00 PM | 51600.000 | 72.217 | 17.994 |
| 164.606 | 28944.486 | 33416.219 | 21.095 |
| 22723.029 | 34.549 | 1.015 | 14.770 |
| 10/13/2016 12:25:00 PM | 51900.000 | 72.213 | 17.994 |
| 164.596 | 28949.453 | 33421.699 | 21.098 |
| 22726.758 | 34.543 | 1.015 | 14.770 |
| 10/13/2016 12:30:00 PM | 52200.000 | 72.215 | 17.993 |
| 164.601 | 28952.482 | 33425.770 | 21.101 |
| 22729.525 | 34.539 | 1.015 | 14.770 |
| 10/13/2016 12:35:00 PM | 52500.000 | 72.219 | 17.994 |
| 164.609 | 28920.641 | 33388.363 | 21.075 |
| 22704.088 | 34.577 | 1.015 | 14.768 |
| 10/13/2016 12:40:00 PM | 52800.000 | 72.215 | 17.994 |
| 164.600 | 28935.957 | 33406.309 | 21.088 |
| 22716.291 | 34.559 | 1.015 | 14.767 |
| 10/13/2016 12:45:00 PM | 53100.000 | 72.215 | 17.994 |
| 164.601 | 28934.727 | 33404.699 | 21.087 |
| 22715.197 | 34.561 | 1.015 | 14.765 |
| 10/13/2016 12:50:00 PM | 53400.000 | 72.196 | 17.994 |
| 164.557 | 28933.150 | 33403.070 | 21.085 |
| 22714.088 | 34.562 | 1.015 | 14.766 |
| 10/13/2016 12:55:00 PM | 53700.000 | 72.210 | 17.994 |
| 164.589 | 28935.016 | 33405.414 | 21.087 |
| 22715.684 | 34.560 | 1.015 | 14.766 |
| 10/13/2016 1:00:00 PM | 54000.000 | 72.206 | 17.994 |
| 164.580 | 28924.932 | 33393.645 | 21.079 |
| 22707.680 | 34.572 | 1.015 | 14.766 |
| 10/13/2016 1:05:00 PM | 54300.000 | 72.202 | 17.994 |
| 164.572 | 28930.617 | 33399.953 | 21.083 |
| 22711.969 | 34.565 | 1.015 | 14.765 |
| 10/13/2016 1:10:00 PM | 54600.000 | 72.203 | 17.994 |
| 164.574 | 28930.102 | 33399.480 | 21.083 |
| 22711.646 | 34.566 | 1.015 | 14.764 |
| 10/13/2016 1:15:00 PM | 54900.000 | 72.201 | 17.994 |
| 164.568 | 28945.877 | 33417.762 | 21.096 |
| 22724.080 | 34.547 | 1.015 | 14.763 |
| 10/13/2016 1:20:00 PM | 55200.000 | 72.203 | 17.994 |
| 164.572 | 28921.365 | 33389.199 | 21.076 |
| 22704.656 | 34.577 | 1.015 | 14.759 |
| 10/13/2016 1:25:00 PM | 55500.000 | 72.205 | 17.994 |
| 164.578 | 28944.256 | 33416.023 | 21.094 |
| 22722.898 | 34.549 | 1.015 | 14.756 |
| 10/13/2016 1:30:00 PM | 55800.000 | 72.203 | 17.994 |
| 164.573 | 28936.701 | 33407.230 | 21.088 |
| 22716.918 | 34.558 | 1.015 | 14.753 |
| 10/13/2016 1:35:00 PM | 56100.000 | 72.199 | 17.994 |
| 164.564 | 28935.871 | 33406.078 | 21.087 |
| 22716.133 | 34.559 | 1.015 | 14.754 |
| 10/13/2016 1:40:00 PM | 56400.000 | 72.196 | 17.994 |

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|---|---|---|---|
| 164.557 | 28941.684 | 33412.852 | 21.092 |
| 22720.742 | 34.552 | 1.015 | 14.756 |
| 10/13/2016 1:45:00 PM | 56700.000 | 72.194 | 17.993 |
| 164.553 | 28926.766 | 33395.957 | 21.080 |
| 22709.254 | 34.570 | 1.015 | 14.757 |
| 10/13/2016 1:50:00 PM | 57000.000 | 72.194 | 17.994 |
| 164.552 | 28936.568 | 33407.078 | 21.088 |
| 22716.814 | 34.558 | 1.015 | 14.757 |
| 10/13/2016 1:55:00 PM | 57300.000 | 72.195 | 17.994 |
| 164.556 | 28945.217 | 33416.734 | 21.095 |
| 22723.379 | 34.548 | 1.015 | 14.757 |
| 10/13/2016 2:00:00 PM | 57600.000 | 72.169 | 17.994 |
| 164.496 | 28931.783 | 33401.301 | 21.084 |
| 22712.885 | 34.564 | 1.015 | 14.756 |
| 10/13/2016 2:05:00 PM | 57900.000 | 72.188 | 17.994 |
| 164.538 | 28932.719 | 33402.441 | 21.085 |
| 22713.662 | 34.563 | 1.015 | 14.756 |
| 10/13/2016 2:10:00 PM | 58200.000 | 72.171 | 17.994 |
| 164.499 | 28936.840 | 33407.137 | 21.088 |
| 22716.854 | 34.558 | 1.015 | 14.755 |
| 10/13/2016 2:15:00 PM | 58500.000 | 72.166 | 17.994 |
| 164.488 | 28928.131 | 33397.207 | 21.081 |
| 22710.102 | 34.568 | 1.015 | 14.755 |
| 10/13/2016 2:20:00 PM | 58800.000 | 72.164 | 17.994 |
| 164.483 | 28929.713 | 33398.836 | 21.082 |
| 22711.211 | 34.567 | 1.015 | 14.754 |
| 10/13/2016 2:25:00 PM | 59100.000 | 72.181 | 17.994 |
| 164.523 | 28947.178 | 33418.941 | 21.096 |
| 22724.883 | 34.546 | 1.015 | 14.753 |
| 10/13/2016 2:30:00 PM | 59400.000 | 72.183 | 17.995 |
| 164.526 | 28946.330 | 33417.770 | 21.096 |
| 22724.084 | 34.547 | 1.015 | 14.752 |
| 10/13/2016 2:35:00 PM | 59700.000 | 72.180 | 17.994 |
| 164.520 | 28943.189 | 33414.660 | 21.093 |
| 22721.969 | 34.550 | 1.015 | 14.751 |
| 10/13/2016 2:40:00 PM | 60000.000 | 72.178 | 17.994 |
| 164.516 | 28936.943 | 33407.059 | 21.088 |
| 22716.803 | 34.558 | 1.015 | 14.750 |
| 10/13/2016 2:45:00 PM | 60300.000 | 72.177 | 17.994 |
| 164.513 | 28949.953 | 33422.469 | 21.099 |
| 22727.279 | 34.542 | 1.015 | 14.750 |
| 10/13/2016 2:50:00 PM | 60600.000 | 72.176 | 17.993 |
| 164.512 | 28945.703 | 33417.883 | 21.096 |
| 22724.162 | 34.547 | 1.015 | 14.750 |
| 10/13/2016 2:55:00 PM | 60900.000 | 72.176 | 17.994 |
| 164.510 | 28935.666 | 33406.105 | 21.087 |
| 22716.154 | 34.559 | 1.015 | 14.750 |
| 10/13/2016 3:00:00 PM | 61200.000 | 72.166 | 17.994 |
| 164.488 | 28921.084 | 33388.816 | 21.076 |
| 22704.395 | 34.577 | 1.015 | 14.750 |
| 10/13/2016 3:05:00 PM | 61500.000 | 72.168 | 17.994 |
| 164.494 | 28942.932 | 33414.426 | 21.093 |
| 22721.811 | 34.551 | 1.015 | 14.749 |
| 10/13/2016 3:10:00 PM | 61800.000 | 72.165 | 17.994 |

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|---|---|---|---|
| 164.486 | 28931.326 | 33401.098 | 21.084 |
| 22712.748 | 34.565 | 1.015 | 14.748 |
| 10/13/2016 3:15:00 PM | 62100.000 | 72.172 | 17.993 |
| 164.503 | 28932.980 | 33403.129 | 21.085 |
| 22714.129 | 34.563 | 1.015 | 14.747 |
| 10/13/2016 3:20:00 PM | 62400.000 | 72.170 | 17.994 |
| 164.497 | 28924.947 | 33393.660 | 21.079 |
| 22707.691 | 34.572 | 1.015 | 14.746 |
| 10/13/2016 3:25:00 PM | 62700.000 | 72.166 | 17.994 |
| 164.489 | 28946.820 | 33418.914 | 21.096 |
| 22724.863 | 34.546 | 1.015 | 14.745 |
| 10/13/2016 3:30:00 PM | 63000.000 | 72.159 | 17.994 |
| 164.473 | 28938.225 | 33408.738 | 21.089 |
| 22717.943 | 34.556 | 1.015 | 14.744 |
| 10/13/2016 3:35:00 PM | 63300.000 | 72.166 | 17.994 |
| 164.489 | 28934.473 | 33404.730 | 21.087 |
| 22715.217 | 34.561 | 1.015 | 14.742 |
| 10/13/2016 3:40:00 PM | 63600.000 | 72.146 | 17.994 |
| 164.443 | 28936.350 | 33406.695 | 21.088 |
| 22716.555 | 34.559 | 1.015 | 14.741 |
| 10/13/2016 3:45:00 PM | 63900.000 | 72.163 | 17.994 |
| 164.481 | 28934.313 | 33404.090 | 21.086 |
| 22714.783 | 34.561 | 1.015 | 14.739 |
| 10/13/2016 3:50:00 PM | 64200.000 | 72.151 | 17.994 |
| 164.455 | 28945.422 | 33417.168 | 21.095 |
| 22723.674 | 34.548 | 1.015 | 14.737 |
| 10/13/2016 3:55:00 PM | 64500.000 | 72.147 | 17.994 |
| 164.445 | 28945.711 | 33417.305 | 21.095 |
| 22723.768 | 34.547 | 1.015 | 14.736 |
| 10/13/2016 4:00:00 PM | 64800.000 | 72.163 | 17.995 |
| 164.483 | 28933.123 | 33402.453 | 21.085 |
| 22713.668 | 34.562 | 1.015 | 14.734 |
| 10/13/2016 4:05:00 PM | 65100.000 | 72.164 | 17.994 |
| 164.483 | 28943.572 | 33414.711 | 21.094 |
| 22722.006 | 34.550 | 1.015 | 14.736 |
| 10/13/2016 4:10:00 PM | 65400.000 | 72.139 | 17.994 |
| 164.428 | 28936.596 | 33406.914 | 21.088 |
| 22716.701 | 34.558 | 1.015 | 14.737 |
| 10/13/2016 4:15:00 PM | 65700.000 | 72.157 | 17.994 |
| 164.467 | 28950.979 | 33423.785 | 21.100 |
| 22728.174 | 34.541 | 1.015 | 14.739 |
| 10/13/2016 4:20:00 PM | 66000.000 | 72.157 | 17.994 |
| 164.469 | 28944.328 | 33415.652 | 21.094 |
| 22722.645 | 34.549 | 1.015 | 14.737 |
| 10/13/2016 4:25:00 PM | 66300.000 | 72.161 | 17.994 |
| 164.477 | 28921.184 | 33388.867 | 21.076 |
| 22704.432 | 34.577 | 1.015 | 14.734 |
| 10/13/2016 4:30:00 PM | 66600.000 | 72.162 | 17.994 |
| 164.478 | 28930.482 | 33400.051 | 21.083 |
| 22712.035 | 34.566 | 1.015 | 14.732 |
| 10/13/2016 4:35:00 PM | 66900.000 | 72.162 | 17.994 |
| 164.478 | 28940.871 | 33411.914 | 21.092 |
| 22720.102 | 34.553 | 1.015 | 14.733 |
| 10/13/2016 4:40:00 PM | 67200.000 | 72.139 | 17.993 |

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|---|---|---|---|
| 164.426 | 28921.684 | 33390.090 | 21.076 |
| 22705.264 | 34.576 | 1.015 | 14.733 |
| 10/13/2016 4:45:00 PM | 67500.000 | 72.157 | 17.993 |
| 164.468 | 28929.059 | 33398.602 | 21.082 |
| 22711.051 | 34.567 | 1.015 | 14.734 |
| 10/13/2016 4:50:00 PM | 67800.000 | 72.157 | 17.994 |
| 164.469 | 28917.361 | 33384.578 | 21.073 |
| 22701.516 | 34.581 | 1.015 | 14.732 |
| 10/13/2016 4:55:00 PM | 68100.000 | 72.160 | 17.993 |
| 164.476 | 28938.615 | 33409.637 | 21.090 |
| 22718.553 | 34.556 | 1.015 | 14.731 |
| 10/13/2016 5:00:00 PM | 68400.000 | 72.156 | 17.995 |
| 164.466 | 28935.713 | 33405.387 | 21.087 |
| 22715.666 | 34.559 | 1.015 | 14.729 |
| 10/13/2016 5:05:00 PM | 68700.000 | 72.154 | 17.994 |
| 164.462 | 28933.553 | 33403.344 | 21.086 |
| 22714.275 | 34.562 | 1.015 | 14.730 |
| 10/13/2016 5:10:00 PM | 69000.000 | 72.156 | 17.994 |
| 164.466 | 28938.068 | 33408.555 | 21.089 |
| 22717.818 | 34.557 | 1.015 | 14.731 |
| 10/13/2016 5:15:00 PM | 69300.000 | 72.155 | 17.994 |
| 164.463 | 28923.738 | 33391.816 | 21.078 |
| 22706.436 | 34.574 | 1.015 | 14.732 |
| 10/13/2016 5:20:00 PM | 69600.000 | 72.153 | 17.994 |
| 164.458 | 28934.727 | 33404.566 | 21.086 |
| 22715.107 | 34.561 | 1.015 | 14.730 |
| 10/13/2016 5:25:00 PM | 69900.000 | 72.157 | 17.994 |
| 164.467 | 28942.705 | 33414.031 | 21.093 |
| 22721.543 | 34.551 | 1.015 | 14.728 |
| 10/13/2016 5:30:00 PM | 70200.000 | 72.160 | 17.993 |
| 164.476 | 28935.568 | 33406.117 | 21.088 |
| 22716.162 | 34.560 | 1.015 | 14.726 |
| 10/13/2016 5:35:00 PM | 70500.000 | 72.162 | 17.994 |
| 164.480 | 28923.615 | 33391.797 | 21.078 |
| 22706.422 | 34.574 | 1.015 | 14.724 |
| 10/13/2016 5:40:00 PM | 70800.000 | 72.162 | 17.994 |
| 164.480 | 28930.207 | 33399.863 | 21.083 |
| 22711.908 | 34.566 | 1.015 | 14.723 |
| 10/13/2016 5:45:00 PM | 71100.000 | 72.168 | 17.994 |
| 164.494 | 28927.127 | 33396.305 | 21.081 |
| 22709.490 | 34.570 | 1.015 | 14.722 |
| 10/13/2016 5:50:00 PM | 71400.000 | 72.144 | 17.994 |
| 164.439 | 28931.711 | 33401.469 | 21.084 |
| 22713.000 | 34.564 | 1.015 | 14.723 |
| 10/13/2016 5:55:00 PM | 71700.000 | 72.166 | 17.994 |
| 164.489 | 28923.344 | 33391.680 | 21.077 |
| 22706.342 | 34.574 | 1.015 | 14.724 |
| 10/13/2016 6:00:00 PM | 72000.000 | 72.166 | 17.994 |
| 164.489 | 28941.523 | 33412.473 | 21.092 |
| 22720.484 | 34.552 | 1.015 | 14.725 |
| 10/13/2016 6:05:00 PM | 72300.000 | 72.168 | 17.994 |
| 164.494 | 28936.305 | 33406.445 | 21.088 |
| 22716.383 | 34.559 | 1.015 | 14.726 |
| 10/13/2016 6:10:00 PM | 72600.000 | 72.161 | 17.994 |

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|---|---|---|---|
| 164.478 | 28937.129 | 33407.664 | 21.089 |
| 22717.213 | 34.558 | 1.015 | 14.727 |
| 10/13/2016 6:15:00 PM | 72900.000 | 72.165 | 17.994 |
| 164.486 | 28943.424 | 33414.930 | 21.094 |
| 22722.152 | 34.550 | 1.015 | 14.729 |
| 10/13/2016 6:20:00 PM | 73200.000 | 72.167 | 17.995 |
| 164.490 | 28939.016 | 33409.324 | 21.090 |
| 22718.342 | 34.555 | 1.015 | 14.730 |
| 10/13/2016 6:25:00 PM | 73500.000 | 72.148 | 17.994 |
| 164.448 | 28934.232 | 33404.188 | 21.086 |
| 22714.850 | 34.561 | 1.015 | 14.731 |
| 10/13/2016 6:30:00 PM | 73800.000 | 72.175 | 17.994 |
| 164.508 | 28931.039 | 33400.367 | 21.084 |
| 22712.252 | 34.565 | 1.015 | 14.732 |
| 10/13/2016 6:35:00 PM | 74100.000 | 72.172 | 17.994 |
| 164.502 | 28917.453 | 33384.816 | 21.073 |
| 22701.678 | 34.581 | 1.015 | 14.731 |
| 10/13/2016 6:40:00 PM | 74400.000 | 72.170 | 17.994 |
| 164.498 | 28943.984 | 33415.313 | 21.094 |
| 22722.414 | 34.549 | 1.015 | 14.731 |
| 10/13/2016 6:45:00 PM | 74700.000 | 72.153 | 17.994 |
| 164.460 | 28947.678 | 33419.711 | 21.097 |
| 22725.404 | 34.545 | 1.015 | 14.731 |
| 10/13/2016 6:50:00 PM | 75000.000 | 72.177 | 17.994 |
| 164.514 | 28938.232 | 33408.613 | 21.089 |
| 22717.859 | 34.556 | 1.015 | 14.732 |
| 10/13/2016 6:55:00 PM | 75300.000 | 72.175 | 17.993 |
| 164.510 | 28928.701 | 33398.313 | 21.082 |
| 22710.855 | 34.568 | 1.015 | 14.732 |
| 10/13/2016 7:00:00 PM | 75600.000 | 72.181 | 17.994 |
| 164.522 | 28956.637 | 33430.113 | 21.104 |
| 22732.477 | 34.534 | 1.015 | 14.733 |
| 10/13/2016 7:05:00 PM | 75900.000 | 72.164 | 17.994 |
| 164.485 | 28943.738 | 33415.160 | 21.094 |
| 22722.309 | 34.550 | 1.015 | 14.731 |
| 10/13/2016 7:10:00 PM | 76200.000 | 72.169 | 17.994 |
| 164.495 | 28934.615 | 33404.953 | 21.087 |
| 22715.371 | 34.561 | 1.015 | 14.730 |
| 10/13/2016 7:15:00 PM | 76500.000 | 72.192 | 17.994 |
| 164.548 | 28936.539 | 33407.172 | 21.088 |
| 22716.879 | 34.558 | 1.015 | 14.728 |
| 10/13/2016 7:20:00 PM | 76800.000 | 72.193 | 17.994 |
| 164.549 | 28906.521 | 33372.258 | 21.064 |
| 22693.137 | 34.594 | 1.015 | 14.730 |
| 10/13/2016 7:25:00 PM | 77100.000 | 72.179 | 17.994 |
| 164.517 | 28933.928 | 33404.102 | 21.086 |
| 22714.791 | 34.562 | 1.015 | 14.731 |
| 10/13/2016 7:30:00 PM | 77400.000 | 72.174 | 17.993 |
| 164.506 | 28944.424 | 33416.465 | 21.095 |
| 22723.197 | 34.549 | 1.015 | 14.733 |
| 10/13/2016 7:35:00 PM | 77700.000 | 72.197 | 17.994 |
| 164.559 | 28914.707 | 33381.910 | 21.071 |
| 22699.699 | 34.584 | 1.015 | 14.733 |
| 10/13/2016 7:40:00 PM | 78000.000 | 72.199 | 17.994 |

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|---|---|---|---|
| 164.563 | 28929.768 | 33399.094 | 21.083 |
| 22711.385 | 34.566 | 1.015 | 14.733 |
| 10/13/2016 7:45:00 PM | 78300.000 | 72.199 | 17.994 |
| 164.563 | 28934.289 | 33404.063 | 21.086 |
| 22714.766 | 34.561 | 1.015 | 14.733 |
| 10/13/2016 7:50:00 PM | 78600.000 | 72.203 | 17.994 |
| 164.574 | 28940.730 | 33411.750 | 21.091 |
| 22719.992 | 34.553 | 1.015 | 14.735 |
| 10/13/2016 7:55:00 PM | 78900.000 | 72.195 | 17.994 |
| 164.555 | 28934.998 | 33404.938 | 21.087 |
| 22715.359 | 34.560 | 1.015 | 14.737 |
| 10/13/2016 8:00:00 PM | 79200.000 | 72.180 | 17.994 |
| 164.521 | 28928.361 | 33397.219 | 21.081 |
| 22710.109 | 34.568 | 1.015 | 14.739 |
| 10/13/2016 8:05:00 PM | 79500.000 | 72.180 | 17.993 |
| 164.521 | 28944.373 | 33416.406 | 21.095 |
| 22723.158 | 34.549 | 1.015 | 14.737 |
| 10/13/2016 8:10:00 PM | 79800.000 | 72.211 | 17.994 |
| 164.591 | 28933.686 | 33403.688 | 21.086 |
| 22714.508 | 34.562 | 1.015 | 14.735 |
| 10/13/2016 8:15:00 PM | 80100.000 | 72.214 | 17.994 |
| 164.599 | 28941.457 | 33412.527 | 21.092 |
| 22720.520 | 34.553 | 1.015 | 14.733 |
| 10/13/2016 8:20:00 PM | 80400.000 | 72.210 | 17.994 |
| 164.590 | 28939.816 | 33410.766 | 21.091 |
| 22719.322 | 34.554 | 1.015 | 14.735 |
| 10/13/2016 8:25:00 PM | 80700.000 | 72.211 | 17.994 |
| 164.590 | 28928.244 | 33397.539 | 21.082 |
| 22710.328 | 34.568 | 1.015 | 14.736 |
| 10/13/2016 8:30:00 PM | 81000.000 | 72.210 | 17.994 |
| 164.589 | 28942.980 | 33414.031 | 21.093 |
| 22721.543 | 34.551 | 1.015 | 14.738 |
| 10/13/2016 8:35:00 PM | 81300.000 | 72.219 | 17.994 |
| 164.609 | 28933.990 | 33403.848 | 21.086 |
| 22714.619 | 34.561 | 1.015 | 14.738 |
| 10/13/2016 8:40:00 PM | 81600.000 | 72.220 | 17.994 |
| 164.612 | 28926.025 | 33394.711 | 21.080 |
| 22708.404 | 34.571 | 1.015 | 14.737 |
| 10/13/2016 8:45:00 PM | 81900.000 | 72.223 | 17.994 |
| 164.618 | 28954.072 | 33426.902 | 21.102 |
| 22730.293 | 34.537 | 1.015 | 14.736 |
| 10/13/2016 8:50:00 PM | 82200.000 | 72.224 | 17.994 |
| 164.621 | 28941.592 | 33412.492 | 21.092 |
| 22720.496 | 34.552 | 1.015 | 14.736 |
| 10/13/2016 8:55:00 PM | 82500.000 | 72.230 | 17.993 |
| 164.635 | 28934.076 | 33404.520 | 21.086 |
| 22715.074 | 34.561 | 1.015 | 14.736 |
| 10/13/2016 9:00:00 PM | 82800.000 | 72.228 | 17.994 |
| 164.630 | 28940.160 | 33410.898 | 21.091 |
| 22719.414 | 34.554 | 1.015 | 14.735 |
| 10/13/2016 9:05:00 PM | 83100.000 | 72.225 | 17.994 |
| 164.624 | 28931.402 | 33400.980 | 21.084 |
| 22712.668 | 34.565 | 1.015 | 14.735 |
| 10/13/2016 9:10:00 PM | 83400.000 | 72.233 | 17.993 |

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|---|---|---|---|
| 164.642 | 28945.484 | 33417.566 | 21.095 |
| 22723.945 | 34.548 | 1.015 | 14.734 |
| 10/13/2016 9:15:00 PM | 83700.000 | 72.232 | 17.994 |
| 164.639 | 28931.479 | 33400.816 | 21.084 |
| 22712.555 | 34.564 | 1.015 | 14.734 |
| 10/13/2016 9:20:00 PM | 84000.000 | 72.236 | 17.994 |
| 164.649 | 28935.428 | 33405.629 | 21.087 |
| 22715.830 | 34.560 | 1.015 | 14.737 |
| 10/13/2016 9:25:00 PM | 84300.000 | 72.231 | 17.994 |
| 164.637 | 28933.479 | 33403.316 | 21.086 |
| 22714.256 | 34.562 | 1.015 | 14.740 |
| 10/13/2016 9:30:00 PM | 84600.000 | 72.233 | 17.993 |
| 164.642 | 28939.529 | 33410.816 | 21.091 |
| 22719.357 | 34.555 | 1.015 | 14.743 |
| 10/13/2016 9:35:00 PM | 84900.000 | 72.238 | 17.994 |
| 164.652 | 28934.412 | 33404.336 | 21.086 |
| 22714.951 | 34.561 | 1.015 | 14.743 |
| 10/13/2016 9:40:00 PM | 85200.000 | 72.216 | 17.994 |
| 164.603 | 28940.055 | 33410.973 | 21.091 |
| 22719.461 | 34.554 | 1.015 | 14.743 |
| 10/13/2016 9:45:00 PM | 85500.000 | 72.220 | 17.994 |
| 164.612 | 28944.879 | 33416.609 | 21.095 |
| 22723.295 | 34.548 | 1.015 | 14.744 |
| 10/13/2016 9:50:00 PM | 85800.000 | 72.234 | 17.993 |
| 164.644 | 28932.650 | 33402.750 | 21.085 |
| 22713.873 | 34.563 | 1.015 | 14.744 |
| 10/13/2016 9:55:00 PM | 86100.000 | 72.242 | 17.994 |
| 164.661 | 28928.545 | 33397.754 | 21.082 |
| 22710.475 | 34.568 | 1.015 | 14.744 |
| 10/13/2016 10:00:00 PM | 86400.000 | 72.243 | 17.994 |
| 164.664 | 28931.104 | 33400.316 | 21.083 |
| 22712.215 | 34.565 | 1.015 | 14.744 |
| 10/13/2016 10:05:00 PM | 86700.000 | 72.244 | 17.994 |
| 164.666 | 28943.896 | 33415.285 | 21.094 |
| 22722.395 | 34.550 | 1.015 | 14.744 |
| 10/13/2016 10:10:00 PM | 87000.000 | 72.253 | 17.994 |
| 164.687 | 28927.594 | 33396.586 | 21.081 |
| 22709.678 | 34.569 | 1.015 | 14.743 |
| 10/13/2016 10:15:00 PM | 87300.000 | 72.227 | 17.994 |
| 164.627 | 28935.500 | 33405.715 | 21.087 |
| 22715.887 | 34.560 | 1.015 | 14.742 |
| 10/13/2016 10:20:00 PM | 87600.000 | 72.250 | 17.994 |
| 164.680 | 28939.133 | 33409.906 | 21.090 |
| 22718.736 | 34.555 | 1.015 | 14.741 |
| 10/13/2016 10:25:00 PM | 87900.000 | 72.253 | 17.994 |
| 164.687 | 28939.006 | 33409.641 | 21.090 |
| 22718.557 | 34.555 | 1.015 | 14.741 |
| 10/13/2016 10:30:00 PM | 88200.000 | 72.253 | 17.993 |
| 164.687 | 28931.723 | 33402.121 | 21.085 |
| 22713.443 | 34.564 | 1.015 | 14.741 |
| 10/13/2016 10:35:00 PM | 88500.000 | 72.253 | 17.994 |
| 164.687 | 28930.848 | 33400.344 | 21.084 |
| 22712.236 | 34.565 | 1.015 | 14.741 |
| 10/13/2016 10:40:00 PM | 88800.000 | 72.253 | 17.994 |

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|---|---|---|---|
| 164.688 | 28938.330 | 33408.727 | 21.089 |
| 22717.936 | 34.556 | 1.015 | 14.740 |
| 10/13/2016 10:45:00 PM | 89100.000 | 72.253 | 17.994 |
| 164.688 | 28926.064 | 33394.891 | 21.080 |
| 22708.527 | 34.571 | 1.015 | 14.740 |
| 10/13/2016 10:50:00 PM | 89400.000 | 72.237 | 17.994 |
| 164.650 | 28939.975 | 33410.684 | 21.091 |
| 22719.268 | 34.554 | 1.015 | 14.741 |
| 10/13/2016 10:55:00 PM | 89700.000 | 72.256 | 17.994 |
| 164.693 | 28929.273 | 33398.727 | 21.082 |
| 22711.137 | 34.567 | 1.015 | 14.742 |
| 10/13/2016 11:00:00 PM | 90000.000 | 72.255 | 17.994 |
| 164.692 | 28932.354 | 33401.957 | 21.085 |
| 22713.332 | 34.563 | 1.015 | 14.743 |
| 10/13/2016 11:05:00 PM | 90300.000 | 72.252 | 17.994 |
| 164.684 | 28933.842 | 33403.867 | 21.086 |
| 22714.633 | 34.562 | 1.015 | 14.745 |
| 10/13/2016 11:10:00 PM | 90600.000 | 72.235 | 17.993 |
| 164.647 | 28933.107 | 33403.277 | 21.086 |
| 22714.230 | 34.562 | 1.015 | 14.746 |
| 10/13/2016 11:15:00 PM | 90900.000 | 72.230 | 17.994 |
| 164.635 | 28932.795 | 33402.660 | 21.085 |
| 22713.811 | 34.563 | 1.015 | 14.748 |
| 10/13/2016 11:20:00 PM | 91200.000 | 72.253 | 17.993 |
| 164.686 | 28922.689 | 33391.250 | 21.077 |
| 22706.053 | 34.575 | 1.015 | 14.746 |
| 10/13/2016 11:25:00 PM | 91500.000 | 72.251 | 17.994 |
| 164.681 | 28953.379 | 33426.555 | 21.102 |
| 22730.059 | 34.538 | 1.015 | 14.743 |
| 10/13/2016 11:30:00 PM | 91800.000 | 72.253 | 17.994 |
| 164.687 | 28933.768 | 33403.781 | 21.086 |
| 22714.572 | 34.562 | 1.015 | 14.741 |
| 10/13/2016 11:35:00 PM | 92100.000 | 72.253 | 17.993 |
| 164.687 | 28920.559 | 33388.852 | 21.076 |
| 22704.420 | 34.577 | 1.015 | 14.741 |
| 10/13/2016 11:40:00 PM | 92400.000 | 72.247 | 17.994 |
| 164.672 | 28934.260 | 33404.219 | 21.086 |
| 22714.871 | 34.561 | 1.015 | 14.741 |
| 10/13/2016 11:45:00 PM | 92700.000 | 72.253 | 17.994 |
| 164.686 | 28929.955 | 33399.117 | 21.083 |
| 22711.400 | 34.566 | 1.015 | 14.741 |
| 10/13/2016 11:50:00 PM | 93000.000 | 72.249 | 17.995 |
| 164.677 | 28936.383 | 33406.160 | 21.088 |
| 22716.189 | 34.559 | 1.015 | 14.740 |
| 10/13/2016 11:55:00 PM | 93300.000 | 72.251 | 17.994 |
| 164.682 | 28941.955 | 33413.426 | 21.093 |
| 22721.131 | 34.552 | 1.015 | 14.739 |
| 10/14/2016 12:00:00 AM | 93600.000 | 72.232 | 17.994 |
| 164.640 | 28938.275 | 33408.918 | 21.089 |
| 22718.064 | 34.556 | 1.015 | 14.739 |
| 10/14/2016 12:05:00 AM | 93900.000 | 72.246 | 17.994 |
| 164.672 | 28931.963 | 33401.566 | 21.084 |
| 22713.066 | 34.564 | 1.015 | 14.737 |
| 10/14/2016 12:10:00 AM | 94200.000 | 72.249 | 17.994 |

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|---|---|---|---|
| 164.678 | 28935.678 | 33405.535 | 21.087 |
| 22715.766 | 34.559 | 1.015 | 14.736 |
| 10/14/2016 12:15:00 AM | 94500.000 | 72.247 | 17.994 |
| 164.674 | 28943.395 | 33414.957 | 21.094 |
| 22722.174 | 34.550 | 1.015 | 14.734 |
| 10/14/2016 12:20:00 AM | 94800.000 | 72.248 | 17.994 |
| 164.675 | 28928.139 | 33397.473 | 21.081 |
| 22710.283 | 34.568 | 1.015 | 14.735 |
| 10/14/2016 12:25:00 AM | 95100.000 | 72.244 | 17.994 |
| 164.665 | 28916.643 | 33383.691 | 21.072 |
| 22700.910 | 34.582 | 1.015 | 14.736 |
| 10/14/2016 12:30:00 AM | 95400.000 | 72.243 | 17.994 |
| 164.665 | 28938.387 | 33409.047 | 21.090 |
| 22718.152 | 34.556 | 1.015 | 14.737 |
| 10/14/2016 12:35:00 AM | 95700.000 | 72.237 | 17.994 |
| 164.651 | 28932.412 | 33401.828 | 21.085 |
| 22713.246 | 34.563 | 1.015 | 14.735 |
| 10/14/2016 12:40:00 AM | 96000.000 | 72.240 | 17.994 |
| 164.658 | 28931.721 | 33401.156 | 21.084 |
| 22712.787 | 34.564 | 1.015 | 14.733 |
| 10/14/2016 12:45:00 AM | 96300.000 | 72.242 | 17.994 |
| 164.661 | 28935.355 | 33405.676 | 21.087 |
| 22715.861 | 34.560 | 1.015 | 14.731 |
| 10/14/2016 12:50:00 AM | 96600.000 | 72.240 | 17.994 |
| 164.656 | 28941.371 | 33412.371 | 21.092 |
| 22720.414 | 34.553 | 1.015 | 14.731 |
| 10/14/2016 12:55:00 AM | 96900.000 | 72.235 | 17.994 |
| 164.646 | 28923.508 | 33391.488 | 21.077 |
| 22706.215 | 34.574 | 1.015 | 14.731 |
| 10/14/2016 1:00:00 AM | 97200.000 | 72.235 | 17.994 |
| 164.646 | 28945.268 | 33416.926 | 21.095 |
| 22723.512 | 34.548 | 1.015 | 14.731 |
| 10/14/2016 1:05:00 AM | 97500.000 | 72.230 | 17.994 |
| 164.634 | 28920.629 | 33388.484 | 21.075 |
| 22704.170 | 34.577 | 1.015 | 14.730 |
| 10/14/2016 1:10:00 AM | 97800.000 | 72.229 | 17.994 |
| 164.631 | 28944.727 | 33416.566 | 21.095 |
| 22723.266 | 34.549 | 1.015 | 14.730 |
| 10/14/2016 1:15:00 AM | 98100.000 | 72.227 | 17.994 |
| 164.627 | 28949.865 | 33422.102 | 21.099 |
| 22727.029 | 34.542 | 1.015 | 14.729 |
| 10/14/2016 1:20:00 AM | 98400.000 | 72.227 | 17.993 |
| 164.627 | 28920.213 | 33388.391 | 21.075 |
| 22704.107 | 34.578 | 1.015 | 14.728 |
| 10/14/2016 1:25:00 AM | 98700.000 | 72.225 | 17.994 |
| 164.624 | 28931.725 | 33401.293 | 21.084 |
| 22712.879 | 34.564 | 1.015 | 14.727 |
| 10/14/2016 1:30:00 AM | 99000.000 | 72.222 | 17.994 |
| 164.617 | 28947.350 | 33419.461 | 21.097 |
| 22725.234 | 34.545 | 1.015 | 14.725 |
| 10/14/2016 1:35:00 AM | 99300.000 | 72.217 | 17.994 |
| 164.606 | 28935.844 | 33405.789 | 21.087 |
| 22715.939 | 34.559 | 1.015 | 14.728 |
| 10/14/2016 1:40:00 AM | 99600.000 | 72.215 | 17.994 |

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|---|---|---|---|
| 164.601 | 28951.570 | 33424.012 | 21.100 |
| 22728.328 | 34.540 | 1.015 | 14.730 |
| 10/14/2016 1:45:00 AM | 99900.000 | 72.211 | 17.994 |
| 164.592 | 28942.672 | 33414.254 | 21.093 |
| 22721.695 | 34.551 | 1.015 | 14.732 |
| 10/14/2016 1:50:00 AM | 100200.000 | 72.207 | 17.994 |
| 164.581 | 28955.289 | 33428.238 | 21.103 |
| 22731.205 | 34.536 | 1.015 | 14.732 |
| 10/14/2016 1:55:00 AM | 100500.000 | 72.209 | 17.993 |
| 164.587 | 28936.326 | 33406.992 | 21.088 |
| 22716.756 | 34.559 | 1.015 | 14.733 |
| 10/14/2016 2:00:00 AM | 100800.000 | 72.206 | 17.994 |
| 164.580 | 28946.631 | 33418.184 | 21.096 |
| 22724.367 | 34.546 | 1.015 | 14.733 |
| 10/14/2016 2:05:00 AM | 101100.000 | 72.203 | 17.994 |
| 164.573 | 28933.643 | 33403.637 | 21.086 |
| 22714.475 | 34.562 | 1.015 | 14.732 |
| 10/14/2016 2:10:00 AM | 101400.000 | 72.200 | 17.994 |
| 164.567 | 28947.135 | 33419.348 | 21.097 |
| 22725.156 | 34.546 | 1.015 | 14.731 |
| 10/14/2016 2:15:00 AM | 101700.000 | 72.202 | 17.994 |
| 164.571 | 28926.070 | 33394.766 | 21.080 |
| 22708.443 | 34.571 | 1.015 | 14.730 |
| 10/14/2016 2:20:00 AM | 102000.000 | 72.201 | 17.994 |
| 164.569 | 28926.355 | 33395.359 | 21.080 |
| 22708.846 | 34.571 | 1.015 | 14.730 |
| 10/14/2016 2:25:00 AM | 102300.000 | 72.199 | 17.994 |
| 164.565 | 28933.602 | 33403.652 | 21.086 |
| 22714.484 | 34.562 | 1.015 | 14.730 |
| 10/14/2016 2:30:00 AM | 102600.000 | 72.196 | 17.994 |
| 164.557 | 28926.311 | 33395.043 | 21.080 |
| 22708.629 | 34.571 | 1.015 | 14.730 |
| 10/14/2016 2:35:00 AM | 102900.000 | 72.176 | 17.994 |
| 164.511 | 28933.350 | 33402.910 | 21.085 |
| 22713.980 | 34.562 | 1.015 | 14.730 |
| 10/14/2016 2:40:00 AM | 103200.000 | 72.193 | 17.994 |
| 164.550 | 28931.256 | 33400.559 | 21.084 |
| 22712.381 | 34.565 | 1.015 | 14.731 |
| 10/14/2016 2:45:00 AM | 103500.000 | 72.191 | 17.994 |
| 164.545 | 28946.641 | 33418.512 | 21.096 |
| 22724.588 | 34.546 | 1.015 | 14.732 |
| 10/14/2016 2:50:00 AM | 103800.000 | 72.191 | 17.995 |
| 164.545 | 28921.891 | 33389.555 | 21.076 |
| 22704.896 | 34.576 | 1.015 | 14.730 |
| 10/14/2016 2:55:00 AM | 104100.000 | 72.188 | 17.994 |
| 164.538 | 28943.201 | 33414.410 | 21.093 |
| 22721.801 | 34.550 | 1.015 | 14.728 |
| 10/14/2016 3:00:00 AM | 104400.000 | 72.185 | 17.994 |
| 164.532 | 28938.186 | 33408.617 | 21.089 |
| 22717.861 | 34.556 | 1.015 | 14.727 |
| 10/14/2016 3:05:00 AM | 104700.000 | 72.186 | 17.994 |
| 164.535 | 28938.637 | 33409.141 | 21.090 |
| 22718.219 | 34.556 | 1.015 | 14.728 |
| 10/14/2016 3:10:00 AM | 105000.000 | 72.161 | 17.994 |

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| 164.478 | 28921.732 | 33389.758 | 21.076 |
| 22705.037 | 34.576 | 1.015 | 14.730 |
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| 164.510 | 28937.305 | 33407.867 | 21.089 |
| 22717.350 | 34.557 | 1.015 | 14.732 |
| 10/14/2016 3:20:00 AM | 105600.000 | 72.176 | 17.994 |
| 164.512 | 28940.279 | 33411.492 | 21.091 |
| 22719.816 | 34.554 | 1.015 | 14.732 |
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| 164.509 | 28920.746 | 33388.484 | 21.075 |
| 22704.170 | 34.577 | 1.015 | 14.733 |
| 10/14/2016 3:30:00 AM | 106200.000 | 72.174 | 17.994 |
| 164.507 | 28938.949 | 33409.828 | 21.090 |
| 22718.686 | 34.556 | 1.015 | 14.734 |
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| 164.494 | 28959.057 | 33432.910 | 21.106 |
| 22734.381 | 34.532 | 1.015 | 14.733 |
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| 22714.805 | 34.561 | 1.015 | 14.734 |
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| 164.490 | 28940.885 | 33412.191 | 21.092 |
| 22720.293 | 34.553 | 1.015 | 14.735 |
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| 164.477 | 28922.613 | 33390.836 | 21.077 |
| 22705.770 | 34.575 | 1.015 | 14.736 |
| 10/14/2016 4:05:00 AM | 108300.000 | 72.157 | 17.994 |
| 164.467 | 28938.719 | 33409.367 | 21.090 |
| 22718.371 | 34.556 | 1.015 | 14.736 |
| 10/14/2016 4:10:00 AM | 108600.000 | 72.163 | 17.995 |
| 164.481 | 28934.463 | 33403.945 | 21.086 |
| 22714.686 | 34.561 | 1.015 | 14.736 |
| 10/14/2016 4:15:00 AM | 108900.000 | 72.157 | 17.994 |
| 164.467 | 28953.877 | 33426.676 | 21.102 |
| 22730.143 | 34.538 | 1.015 | 14.736 |
| 10/14/2016 4:20:00 AM | 109200.000 | 72.154 | 17.994 |
| 164.461 | 28930.646 | 33399.789 | 21.083 |
| 22711.859 | 34.565 | 1.015 | 14.736 |
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| 164.412 | 28940.094 | 33410.953 | 21.091 |
| 22719.449 | 34.554 | 1.015 | 14.736 |
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| 164.420 | 28937.000 | 33407.191 | 21.088 |
| 22716.893 | 34.558 | 1.015 | 14.735 |
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| 164.463 | 28953.311 | 33426.078 | 21.101 |
| 22729.734 | 34.538 | 1.015 | 14.732 |
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| 164.425 | 28940.188 | 33410.676 | 21.091 |
| 22719.262 | 34.554 | 1.015 | 14.728 |
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| 164.474 | 28948.527 | 33420.371 | 21.097 |
| 22725.855 | 34.544 | 1.015 | 14.725 |
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| 22716.123 | 34.559 | 1.015 | 14.727 |
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| 164.458 | 28938.549 | 33409.492 | 21.090 |
| 22718.457 | 34.556 | 1.015 | 14.729 |
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| 164.451 | 28939.674 | 33410.410 | 21.091 |
| 22719.082 | 34.555 | 1.015 | 14.731 |
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| 164.453 | 28945.090 | 33416.590 | 21.095 |
| 22723.281 | 34.548 | 1.015 | 14.729 |
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| 164.412 | 28922.488 | 33390.438 | 21.077 |
| 22705.500 | 34.575 | 1.015 | 14.726 |
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| 164.465 | 28942.021 | 33413.121 | 21.092 |
| 22720.922 | 34.552 | 1.015 | 14.724 |
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| 164.463 | 28929.318 | 33398.324 | 21.082 |
| 22710.863 | 34.567 | 1.015 | 14.724 |
| 10/14/2016 5:25:00 AM | 113100.000 | 72.155 | 17.994 |
| 164.464 | 28940.227 | 33411.238 | 21.091 |
| 22719.645 | 34.554 | 1.015 | 14.725 |
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| 164.460 | 28932.361 | 33401.895 | 21.085 |
| 22713.289 | 34.563 | 1.015 | 14.726 |
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| 164.469 | 28945.113 | 33416.363 | 21.095 |
| 22723.127 | 34.548 | 1.015 | 14.724 |
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| 164.471 | 28941.475 | 33412.813 | 21.092 |
| 22720.715 | 34.552 | 1.015 | 14.723 |
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| 164.479 | 28939.566 | 33410.539 | 21.091 |
| 22719.168 | 34.555 | 1.015 | 14.721 |
| 10/14/2016 5:50:00 AM | 114600.000 | 72.160 | 17.994 |
| 164.474 | 28949.385 | 33421.680 | 21.098 |
| 22726.744 | 34.543 | 1.015 | 14.723 |
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| 164.420 | 28936.701 | 33406.906 | 21.088 |
| 22716.697 | 34.558 | 1.015 | 14.724 |
| 10/14/2016 6:00:00 AM | 115200.000 | 72.160 | 17.994 |
| 164.474 | 28942.164 | 33413.609 | 21.093 |
| 22721.254 | 34.552 | 1.015 | 14.726 |
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| 164.481 | 28951.750 | 33424.277 | 21.100 |
| 22728.510 | 34.540 | 1.015 | 14.725 |
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| 164.429 | 28933.484 | 33403.590 | 21.086 |
| 22714.443 | 34.562 | 1.015 | 14.724 |
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| 22719.533 | 34.554 | 1.015 | 14.722 |
| 10/14/2016 6:20:00 AM | 116400.000 | 72.166 | 17.994 |
| 164.488 | 28945.064 | 33416.824 | 21.095 |
| 22723.441 | 34.548 | 1.015 | 14.724 |
| 10/14/2016 6:25:00 AM | 116700.000 | 72.160 | 17.995 |
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| 22715.523 | 34.560 | 1.015 | 14.726 |
| 10/14/2016 6:30:00 AM | 117000.000 | 72.163 | 17.994 |
| 164.481 | 28938.137 | 33408.824 | 21.089 |
| 22718.000 | 34.556 | 1.015 | 14.728 |
| 10/14/2016 6:35:00 AM | 117300.000 | 72.166 | 17.994 |
| 164.488 | 28945.920 | 33417.945 | 21.096 |
| 22724.205 | 34.547 | 1.015 | 14.727 |
| 10/14/2016 6:40:00 AM | 117600.000 | 72.170 | 17.994 |
| 164.498 | 28937.311 | 33407.742 | 21.089 |
| 22717.266 | 34.557 | 1.015 | 14.727 |
| 10/14/2016 6:45:00 AM | 117900.000 | 72.151 | 17.994 |
| 164.454 | 28937.188 | 33407.660 | 21.089 |
| 22717.211 | 34.558 | 1.015 | 14.726 |
| 10/14/2016 6:50:00 AM | 118200.000 | 72.171 | 17.994 |
| 164.500 | 28943.350 | 33414.578 | 21.093 |
| 22721.914 | 34.550 | 1.015 | 14.725 |
| 10/14/2016 6:55:00 AM | 118500.000 | 72.178 | 17.994 |
| 164.515 | 28951.350 | 33423.629 | 21.100 |
| 22728.068 | 34.541 | 1.015 | 14.724 |
| 10/14/2016 7:00:00 AM | 118800.000 | 72.182 | 17.994 |
| 164.525 | 28948.711 | 33420.902 | 21.098 |
| 22726.213 | 34.544 | 1.015 | 14.723 |
| 10/14/2016 7:05:00 AM | 119100.000 | 72.165 | 17.994 |
| 164.485 | 28935.023 | 33404.969 | 21.087 |
| 22715.379 | 34.560 | 1.015 | 14.724 |
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| 164.522 | 28926.443 | 33394.938 | 21.080 |
| 22708.559 | 34.570 | 1.015 | 14.726 |
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| 164.488 | 28930.102 | 33399.613 | 21.083 |
| 22711.736 | 34.566 | 1.015 | 14.727 |
| 10/14/2016 7:20:00 AM | 120000.000 | 72.188 | 17.994 |
| 164.539 | 28930.355 | 33400.035 | 21.083 |
| 22712.025 | 34.566 | 1.015 | 14.727 |
| 10/14/2016 7:25:00 AM | 120300.000 | 72.184 | 17.994 |
| 164.531 | 28930.373 | 33399.863 | 21.083 |
| 22711.908 | 34.566 | 1.015 | 14.726 |
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| 164.548 | 28942.482 | 33413.711 | 21.093 |
| 22721.324 | 34.551 | 1.015 | 14.725 |
| 10/14/2016 7:35:00 AM | 120900.000 | 72.193 | 17.993 |
| 164.550 | 28925.355 | 33394.328 | 21.079 |
| 22708.143 | 34.572 | 1.015 | 14.725 |
| 10/14/2016 7:40:00 AM | 121200.000 | 72.198 | 17.994 |

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| 164.562 | 28927.490 | 33396.465 | 21.081 |
| 22709.596 | 34.569 | 1.015 | 14.724 |
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| 22715.529 | 34.560 | 1.015 | 14.723 |
| 10/14/2016 7:50:00 AM | 121800.000 | 72.202 | 17.994 |
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| 22713.012 | 34.564 | 1.015 | 14.724 |
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| 164.577 | 28940.100 | 33410.383 | 21.091 |
| 22719.061 | 34.554 | 1.015 | 14.725 |
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| 164.590 | 28952.863 | 33425.961 | 21.101 |
| 22729.656 | 34.539 | 1.015 | 14.726 |
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| 164.582 | 28937.486 | 33408.137 | 21.089 |
| 22717.535 | 34.557 | 1.015 | 14.729 |
| 10/14/2016 8:10:00 AM | 123000.000 | 72.204 | 17.993 |
| 164.575 | 28939.598 | 33410.895 | 21.091 |
| 22719.410 | 34.555 | 1.015 | 14.732 |
| 10/14/2016 8:15:00 AM | 123300.000 | 72.206 | 17.994 |
| 164.580 | 28934.219 | 33404.172 | 21.086 |
| 22714.838 | 34.561 | 1.015 | 14.735 |
| 10/14/2016 8:20:00 AM | 123600.000 | 72.210 | 17.994 |
| 164.590 | 28942.010 | 33413.297 | 21.092 |
| 22721.045 | 34.552 | 1.015 | 14.733 |
| 10/14/2016 8:25:00 AM | 123900.000 | 72.221 | 17.994 |
| 164.614 | 28944.645 | 33416.270 | 21.095 |
| 22723.066 | 34.549 | 1.015 | 14.731 |
| 10/14/2016 8:30:00 AM | 124200.000 | 72.222 | 17.994 |
| 164.616 | 28931.020 | 33400.742 | 21.084 |
| 22712.508 | 34.565 | 1.015 | 14.729 |
| 10/14/2016 8:35:00 AM | 124500.000 | 72.208 | 17.994 |
| 164.585 | 28938.037 | 33408.641 | 21.089 |
| 22717.877 | 34.557 | 1.015 | 14.730 |
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| 164.579 | 28947.947 | 33419.762 | 21.097 |
| 22725.439 | 34.545 | 1.015 | 14.731 |
| 10/14/2016 8:45:00 AM | 125100.000 | 72.231 | 17.994 |
| 164.637 | 28940.783 | 33411.750 | 21.091 |
| 22719.992 | 34.553 | 1.015 | 14.733 |
| 10/14/2016 8:50:00 AM | 125400.000 | 72.231 | 17.993 |
| 164.636 | 28925.182 | 33394.125 | 21.079 |
| 22708.008 | 34.572 | 1.015 | 14.733 |
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| 164.640 | 28942.123 | 33413.430 | 21.093 |
| 22721.135 | 34.552 | 1.015 | 14.734 |
| 10/14/2016 9:00:00 AM | 126000.000 | 72.219 | 17.994 |
| 164.610 | 28937.762 | 33408.203 | 21.089 |
| 22717.578 | 34.557 | 1.015 | 14.734 |
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| 164.663 | 28926.611 | 33395.391 | 21.080 |
| 22708.865 | 34.570 | 1.015 | 14.736 |
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| 164.650 | 28926.303 | 33394.973 | 21.080 |
| 22708.584 | 34.571 | 1.015 | 14.738 |
| 10/14/2016 9:15:00 AM | 126900.000 | 72.241 | 17.994 |
| 164.659 | 28937.869 | 33408.066 | 21.089 |
| 22717.488 | 34.557 | 1.015 | 14.741 |
| 10/14/2016 9:20:00 AM | 127200.000 | 72.247 | 17.994 |
| 164.673 | 28933.135 | 33402.785 | 21.085 |
| 22713.896 | 34.562 | 1.015 | 14.739 |
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| 164.639 | 28939.014 | 33409.707 | 21.090 |
| 22718.604 | 34.555 | 1.015 | 14.738 |
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| 164.698 | 28939.076 | 33409.781 | 21.090 |
| 22718.652 | 34.555 | 1.015 | 14.736 |
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| 164.687 | 28940.094 | 33411.086 | 21.091 |
| 22719.539 | 34.554 | 1.015 | 14.738 |
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| 164.693 | 28943.268 | 33414.559 | 21.093 |
| 22721.900 | 34.550 | 1.015 | 14.740 |
| 10/14/2016 9:45:00 AM | 128700.000 | 72.255 | 17.995 |
| 164.690 | 28925.857 | 33394.063 | 21.079 |
| 22707.965 | 34.571 | 1.015 | 14.743 |
| 10/14/2016 9:50:00 AM | 129000.000 | 72.259 | 17.994 |
| 164.701 | 28939.742 | 33410.488 | 21.091 |
| 22719.133 | 34.555 | 1.015 | 14.740 |
| 10/14/2016 9:55:00 AM | 129300.000 | 72.262 | 17.994 |
| 164.707 | 28936.525 | 33407.156 | 21.088 |
| 22716.867 | 34.558 | 1.015 | 14.738 |
| 10/14/2016 10:00:00 AM | 129600.000 | 72.269 | 17.994 |
| 164.724 | 28943.479 | 33414.926 | 21.094 |
| 22722.150 | 34.550 | 1.015 | 14.736 |
| 10/14/2016 10:05:00 AM | 129900.000 | 72.269 | 17.994 |
| 164.723 | 28926.527 | 33395.555 | 21.080 |
| 22708.977 | 34.570 | 1.015 | 14.735 |
| 10/14/2016 10:10:00 AM | 130200.000 | 72.270 | 17.993 |
| 164.725 | 28944.328 | 33416.355 | 21.095 |
| 22723.121 | 34.549 | 1.015 | 14.734 |
| 10/14/2016 10:15:00 AM | 130500.000 | 72.269 | 17.993 |
| 164.724 | 28944.236 | 33416.188 | 21.094 |
| 22723.010 | 34.549 | 1.015 | 14.734 |
| 10/14/2016 10:20:00 AM | 130800.000 | 72.279 | 17.994 |
| 164.746 | 28935.439 | 33405.711 | 21.087 |
| 22715.883 | 34.560 | 1.015 | 14.730 |
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| 164.758 | 28943.232 | 33414.387 | 21.093 |
| 22721.785 | 34.550 | 1.015 | 14.727 |
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| 164.761 | 28933.564 | 33403.418 | 21.086 |
| 22714.324 | 34.562 | 1.015 | 14.724 |
| 10/14/2016 10:35:00 AM | 131700.000 | 72.285 | 17.994 |
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| 22715.367 | 34.560 | 1.015 | 14.727 |
| 10/14/2016 10:40:00 AM | 132000.000 | 72.281 | 17.994 |

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| 22707.779 | 34.572 | 1.015 | 14.731 |
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| 164.759 | 28924.711 | 33393.582 | 21.079 |
| 22707.639 | 34.573 | 1.015 | 14.734 |
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| 164.760 | 28932.311 | 33402.160 | 21.085 |
| 22713.471 | 34.563 | 1.015 | 14.734 |
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| 164.729 | 28932.217 | 33402.055 | 21.085 |
| 22713.398 | 34.564 | 1.015 | 14.735 |
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| 164.723 | 28937.004 | 33407.449 | 21.088 |
| 22717.068 | 34.558 | 1.015 | 14.735 |
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| 164.758 | 28944.451 | 33416.180 | 21.094 |
| 22723.004 | 34.549 | 1.015 | 14.734 |
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| 164.773 | 28939.402 | 33410.477 | 21.091 |
| 22719.125 | 34.555 | 1.015 | 14.733 |
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| 164.763 | 28931.977 | 33401.523 | 21.084 |
| 22713.037 | 34.564 | 1.015 | 14.733 |
| 10/14/2016 11:20:00 AM | 134400.000 | 72.287 | 17.994 |
| 164.765 | 28937.631 | 33408.109 | 21.089 |
| 22717.514 | 34.557 | 1.015 | 14.732 |
| 10/14/2016 11:25:00 AM | 134700.000 | 72.288 | 17.994 |
| 164.767 | 28933.594 | 33403.645 | 21.086 |
| 22714.479 | 34.562 | 1.015 | 14.731 |
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| 164.779 | 28942.555 | 33413.859 | 21.093 |
| 22721.424 | 34.551 | 1.015 | 14.731 |
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| 164.768 | 28933.811 | 33404.023 | 21.086 |
| 22714.736 | 34.562 | 1.015 | 14.731 |
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| 164.742 | 28941.506 | 33412.777 | 21.092 |
| 22720.689 | 34.552 | 1.015 | 14.730 |
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| 164.775 | 28935.043 | 33404.988 | 21.087 |
| 22715.393 | 34.560 | 1.015 | 14.730 |
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| 22730.539 | 34.538 | 1.015 | 14.730 |
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| 164.774 | 28943.268 | 33415.070 | 21.094 |
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| 22709.328 | 34.569 | 1.015 | 14.729 |
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| 22720.078 | 34.554 | 1.015 | 14.729 |
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| 22716.512 | 34.559 | 1.015 | 14.729 |
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| 164.782 | 28930.074 | 33399.836 | 21.083 |
| 22711.889 | 34.566 | 1.015 | 14.726 |
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| 164.785 | 28944.199 | 33415.887 | 21.094 |
| 22722.803 | 34.549 | 1.015 | 14.723 |
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| 164.780 | 28935.727 | 33405.457 | 21.087 |
| 22715.711 | 34.559 | 1.015 | 14.721 |
| 10/14/2016 12:35:00 PM | 138900.000 | 72.294 | 17.993 |
| 164.780 | 28934.770 | 33405.195 | 21.087 |
| 22715.535 | 34.560 | 1.015 | 14.723 |
| 10/14/2016 12:40:00 PM | 139200.000 | 72.273 | 17.994 |
| 164.732 | 28929.529 | 33398.500 | 21.082 |
| 22710.980 | 34.567 | 1.015 | 14.725 |
| 10/14/2016 12:45:00 PM | 139500.000 | 72.288 | 17.994 |
| 164.767 | 28943.840 | 33415.410 | 21.094 |
| 22722.479 | 34.550 | 1.015 | 14.727 |
| 10/14/2016 12:50:00 PM | 139800.000 | 72.283 | 17.994 |
| 164.756 | 28940.654 | 33411.867 | 21.091 |
| 22720.072 | 34.553 | 1.015 | 14.726 |
| 10/14/2016 12:55:00 PM | 140100.000 | 72.282 | 17.994 |
| 164.752 | 28929.957 | 33399.445 | 21.083 |
| 22711.625 | 34.566 | 1.015 | 14.725 |
| 10/14/2016 1:00:00 PM | 140400.000 | 72.260 | 17.994 |
| 164.703 | 28931.801 | 33401.441 | 21.084 |
| 22712.982 | 34.564 | 1.015 | 14.725 |
| 10/14/2016 1:05:00 PM | 140700.000 | 72.280 | 17.993 |
| 164.749 | 28935.625 | 33406.383 | 21.088 |
| 22716.342 | 34.559 | 1.015 | 14.722 |
| 10/14/2016 1:10:00 PM | 141000.000 | 72.284 | 17.994 |
| 164.758 | 28941.105 | 33412.445 | 21.092 |
| 22720.465 | 34.553 | 1.015 | 14.719 |
| 10/14/2016 1:15:00 PM | 141300.000 | 72.287 | 17.994 |
| 164.764 | 28926.199 | 33395.105 | 21.080 |
| 22708.674 | 34.571 | 1.015 | 14.716 |
| 10/14/2016 1:20:00 PM | 141600.000 | 72.281 | 17.993 |
| 164.752 | 28936.713 | 33407.563 | 21.088 |
| 22717.145 | 34.558 | 1.015 | 14.716 |
| 10/14/2016 1:25:00 PM | 141900.000 | 72.266 | 17.994 |
| 164.717 | 28950.842 | 33423.230 | 21.099 |
| 22727.799 | 34.541 | 1.015 | 14.716 |
| 10/14/2016 1:30:00 PM | 142200.000 | 72.276 | 17.994 |
| 164.739 | 28945.824 | 33417.570 | 21.095 |
| 22723.947 | 34.547 | 1.015 | 14.716 |
| 10/14/2016 1:35:00 PM | 142500.000 | 72.281 | 17.993 |
| 164.750 | 28943.773 | 33415.715 | 21.094 |
| 22722.688 | 34.550 | 1.015 | 14.713 |
| 10/14/2016 1:40:00 PM | 142800.000 | 72.279 | 17.994 |

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|---|---|---|---|
| 164.747 | 28950.432 | 33423.082 | 21.099 |
| 22727.695 | 34.542 | 1.015 | 14.711 |
| 10/14/2016 1:45:00 PM | 143100.000 | 72.279 | 17.994 |
| 164.746 | 28939.928 | 33411.086 | 21.091 |
| 22719.539 | 34.554 | 1.015 | 14.708 |
| 10/14/2016 1:50:00 PM | 143400.000 | 72.258 | 17.994 |
| 164.699 | 28938.109 | 33408.473 | 21.089 |
| 22717.762 | 34.557 | 1.015 | 14.709 |
| 10/14/2016 1:55:00 PM | 143700.000 | 72.272 | 17.994 |
| 164.730 | 28939.570 | 33410.613 | 21.091 |
| 22719.217 | 34.555 | 1.015 | 14.709 |
| 10/14/2016 2:00:00 PM | 144000.000 | 72.269 | 17.994 |
| 164.724 | 28950.314 | 33422.695 | 21.099 |
| 22727.434 | 34.542 | 1.015 | 14.709 |
| 10/14/2016 2:05:00 PM | 144300.000 | 72.268 | 17.994 |
| 164.721 | 28950.695 | 33423.324 | 21.099 |
| 22727.863 | 34.541 | 1.015 | 14.709 |
| 10/14/2016 2:10:00 PM | 144600.000 | 72.244 | 17.994 |
| 164.667 | 28945.004 | 33416.625 | 21.095 |
| 22723.307 | 34.548 | 1.015 | 14.709 |
| 10/14/2016 2:15:00 PM | 144900.000 | 72.262 | 17.994 |
| 164.708 | 28949.855 | 33422.164 | 21.099 |
| 22727.074 | 34.542 | 1.015 | 14.710 |
| 10/14/2016 2:20:00 PM | 145200.000 | 72.263 | 17.994 |
| 164.709 | 28946.400 | 33418.176 | 21.096 |
| 22724.359 | 34.547 | 1.015 | 14.709 |
| 10/14/2016 2:25:00 PM | 145500.000 | 72.235 | 17.995 |
| 164.645 | 28949.197 | 33421.078 | 21.098 |
| 22726.336 | 34.543 | 1.015 | 14.709 |
| 10/14/2016 2:30:00 PM | 145800.000 | 72.259 | 17.994 |
| 164.701 | 28939.391 | 33410.336 | 21.090 |
| 22719.031 | 34.555 | 1.015 | 14.708 |
| 10/14/2016 2:35:00 PM | 146100.000 | 72.255 | 17.994 |
| 164.692 | 28936.664 | 33406.996 | 21.088 |
| 22716.758 | 34.558 | 1.015 | 14.707 |
| 10/14/2016 2:40:00 PM | 146400.000 | 72.254 | 17.994 |
| 164.689 | 28933.035 | 33402.938 | 21.085 |
| 22713.998 | 34.563 | 1.015 | 14.706 |
| 10/14/2016 2:45:00 PM | 146700.000 | 72.233 | 17.994 |
| 164.641 | 28930.799 | 33400.164 | 21.083 |
| 22712.113 | 34.565 | 1.015 | 14.705 |
| 10/14/2016 2:50:00 PM | 147000.000 | 72.250 | 17.994 |
| 164.681 | 28964.814 | 33439.434 | 21.111 |
| 22738.814 | 34.525 | 1.015 | 14.704 |
| 10/14/2016 2:55:00 PM | 147300.000 | 72.248 | 17.994 |
| 164.675 | 28930.682 | 33399.953 | 21.083 |
| 22711.969 | 34.565 | 1.015 | 14.704 |
| 10/14/2016 3:00:00 PM | 147600.000 | 72.249 | 17.994 |
| 164.677 | 28946.641 | 33418.707 | 21.096 |
| 22724.723 | 34.546 | 1.015 | 14.703 |
| 10/14/2016 3:05:00 PM | 147900.000 | 72.244 | 17.994 |
| 164.667 | 28946.906 | 33419.012 | 21.096 |
| 22724.928 | 34.546 | 1.015 | 14.703 |
| 10/14/2016 3:10:00 PM | 148200.000 | 72.237 | 17.995 |

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|---|---|---|---|
| 164.651 | 28935.150 | 33404.859 | 21.087 |
| 22715.305 | 34.560 | 1.015 | 14.703 |
| 10/14/2016 3:15:00 PM | 148500.000 | 72.238 | 17.995 |
| 164.653 | 28956.195 | 33429.156 | 21.104 |
| 22731.826 | 34.535 | 1.015 | 14.703 |
| 10/14/2016 3:20:00 PM | 148800.000 | 72.240 | 17.994 |
| 164.656 | 28936.166 | 33406.684 | 21.088 |
| 22716.545 | 34.559 | 1.015 | 14.701 |
| 10/14/2016 3:25:00 PM | 149100.000 | 72.240 | 17.994 |
| 164.658 | 28923.252 | 33391.574 | 21.077 |
| 22706.271 | 34.574 | 1.015 | 14.699 |
| 10/14/2016 3:30:00 PM | 149400.000 | 72.238 | 17.993 |
| 164.654 | 28942.551 | 33414.180 | 21.093 |
| 22721.643 | 34.551 | 1.015 | 14.697 |
| 10/14/2016 3:35:00 PM | 149700.000 | 72.239 | 17.994 |
| 164.654 | 28944.830 | 33416.746 | 21.095 |
| 22723.389 | 34.548 | 1.015 | 14.697 |
| 10/14/2016 3:40:00 PM | 150000.000 | 72.235 | 17.993 |
| 164.646 | 28936.004 | 33406.684 | 21.088 |
| 22716.545 | 34.559 | 1.015 | 14.696 |
| 10/14/2016 3:45:00 PM | 150300.000 | 72.229 | 17.994 |
| 164.633 | 28925.799 | 33394.582 | 21.079 |
| 22708.316 | 34.571 | 1.015 | 14.696 |
| 10/14/2016 3:50:00 PM | 150600.000 | 72.224 | 17.994 |
| 164.620 | 28931.701 | 33401.207 | 21.084 |
| 22712.822 | 34.564 | 1.015 | 14.699 |
| 10/14/2016 3:55:00 PM | 150900.000 | 72.219 | 17.994 |
| 164.610 | 28939.289 | 33410.156 | 21.090 |
| 22718.906 | 34.555 | 1.015 | 14.701 |
| 10/14/2016 4:00:00 PM | 151200.000 | 72.223 | 17.994 |
| 164.617 | 28936.129 | 33406.508 | 21.088 |
| 22716.428 | 34.559 | 1.015 | 14.704 |
| 10/14/2016 4:05:00 PM | 151500.000 | 72.218 | 17.994 |
| 164.608 | 28950.291 | 33422.922 | 21.099 |
| 22727.588 | 34.542 | 1.015 | 14.703 |
| 10/14/2016 4:10:00 PM | 151800.000 | 72.221 | 17.994 |
| 164.615 | 28939.771 | 33410.582 | 21.091 |
| 22719.197 | 34.555 | 1.015 | 14.701 |
| 10/14/2016 4:15:00 PM | 152100.000 | 72.218 | 17.994 |
| 164.606 | 28943.668 | 33415.211 | 21.094 |
| 22722.346 | 34.550 | 1.015 | 14.700 |
| 10/14/2016 4:20:00 PM | 152400.000 | 72.218 | 17.994 |
| 164.608 | 28948.941 | 33420.910 | 21.098 |
| 22726.219 | 34.544 | 1.015 | 14.699 |
| 10/14/2016 4:25:00 PM | 152700.000 | 72.217 | 17.994 |
| 164.604 | 28941.371 | 33412.297 | 21.092 |
| 22720.361 | 34.553 | 1.015 | 14.698 |
| 10/14/2016 4:30:00 PM | 153000.000 | 72.213 | 17.993 |
| 164.595 | 28942.592 | 33414.289 | 21.093 |
| 22721.719 | 34.551 | 1.015 | 14.697 |
| 10/14/2016 4:35:00 PM | 153300.000 | 72.211 | 17.994 |
| 164.591 | 28932.969 | 33402.668 | 21.085 |
| 22713.816 | 34.563 | 1.015 | 14.697 |
| 10/14/2016 4:40:00 PM | 153600.000 | 72.208 | 17.994 |

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|---|---|---|---|
| 164.584 | 28945.484 | 33416.922 | 21.095 |
| 22723.510 | 34.548 | 1.015 | 14.696 |
| 10/14/2016 4:45:00 PM | 153900.000 | 72.195 | 17.994 |
| 164.554 | 28941.012 | 33412.207 | 21.092 |
| 22720.303 | 34.553 | 1.015 | 14.696 |
| 10/14/2016 4:50:00 PM | 154200.000 | 72.187 | 17.994 |
| 164.536 | 28949.262 | 33421.730 | 21.098 |
| 22726.777 | 34.543 | 1.015 | 14.696 |
| 10/14/2016 4:55:00 PM | 154500.000 | 72.213 | 17.994 |
| 164.595 | 28940.223 | 33411.102 | 21.091 |
| 22719.549 | 34.554 | 1.015 | 14.695 |
| 10/14/2016 5:00:00 PM | 154800.000 | 72.212 | 17.994 |
| 164.593 | 28958.439 | 33431.941 | 21.105 |
| 22733.723 | 34.532 | 1.015 | 14.694 |
| 10/14/2016 5:05:00 PM | 155100.000 | 72.208 | 17.994 |
| 164.585 | 28940.160 | 33411.031 | 21.091 |
| 22719.504 | 34.554 | 1.015 | 14.694 |
| 10/14/2016 5:10:00 PM | 155400.000 | 72.212 | 17.994 |
| 164.593 | 28929.445 | 33398.793 | 21.082 |
| 22711.182 | 34.567 | 1.015 | 14.694 |
| 10/14/2016 5:15:00 PM | 155700.000 | 72.213 | 17.994 |
| 164.596 | 28939.037 | 33409.602 | 21.090 |
| 22718.531 | 34.555 | 1.015 | 14.694 |
| 10/14/2016 5:20:00 PM | 156000.000 | 72.189 | 17.994 |
| 164.542 | 28938.695 | 33409.281 | 21.090 |
| 22718.311 | 34.556 | 1.015 | 14.694 |
| 10/14/2016 5:25:00 PM | 156300.000 | 72.206 | 17.994 |
| 164.579 | 28950.217 | 33422.508 | 21.099 |
| 22727.307 | 34.542 | 1.015 | 14.694 |
| 10/14/2016 5:30:00 PM | 156600.000 | 72.206 | 17.994 |
| 164.579 | 28945.277 | 33416.879 | 21.095 |
| 22723.480 | 34.548 | 1.015 | 14.694 |
| 10/14/2016 5:35:00 PM | 156900.000 | 72.207 | 17.993 |
| 164.581 | 28949.500 | 33422.328 | 21.099 |
| 22727.184 | 34.543 | 1.015 | 14.695 |
| 10/14/2016 5:40:00 PM | 157200.000 | 72.202 | 17.994 |
| 164.571 | 28953.973 | 33426.977 | 21.102 |
| 22730.346 | 34.538 | 1.015 | 14.696 |
| 10/14/2016 5:45:00 PM | 157500.000 | 72.207 | 17.993 |
| 164.582 | 28932.750 | 33402.988 | 21.085 |
| 22714.035 | 34.563 | 1.015 | 14.696 |
| 10/14/2016 5:50:00 PM | 157800.000 | 72.206 | 17.994 |
| 164.580 | 28949.434 | 33421.676 | 21.098 |
| 22726.742 | 34.543 | 1.015 | 14.695 |
| 10/14/2016 5:55:00 PM | 158100.000 | 72.211 | 17.994 |
| 164.591 | 28942.967 | 33414.402 | 21.093 |
| 22721.795 | 34.551 | 1.015 | 14.694 |
| 10/14/2016 6:00:00 PM | 158400.000 | 72.210 | 17.994 |
| 164.588 | 28935.133 | 33405.492 | 21.087 |
| 22715.736 | 34.560 | 1.015 | 14.693 |
| 10/14/2016 6:05:00 PM | 158700.000 | 72.210 | 17.995 |
| 164.589 | 28945.785 | 33417.070 | 21.095 |
| 22723.607 | 34.547 | 1.015 | 14.695 |
| 10/14/2016 6:10:00 PM | 159000.000 | 72.209 | 17.994 |

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|---|---|---|---|
| 164.587 | 28952.146 | 33424.734 | 21.100 |
| 22728.820 | 34.540 | 1.015 | 14.697 |
| 10/14/2016 6:15:00 PM | 159300.000 | 72.182 | 17.994 |
| 164.526 | 28935.666 | 33405.906 | 21.087 |
| 22716.018 | 34.559 | 1.015 | 14.699 |
| 10/14/2016 6:20:00 PM | 159600.000 | 72.205 | 17.994 |
| 164.578 | 28934.953 | 33404.961 | 21.087 |
| 22715.373 | 34.560 | 1.015 | 14.698 |
| 10/14/2016 6:25:00 PM | 159900.000 | 72.207 | 17.993 |
| 164.582 | 28964.686 | 33439.988 | 21.111 |
| 22739.193 | 34.525 | 1.015 | 14.697 |
| 10/14/2016 6:30:00 PM | 160200.000 | 72.209 | 17.994 |
| 164.586 | 28949.559 | 33422.145 | 21.099 |
| 22727.061 | 34.543 | 1.015 | 14.696 |
| 10/14/2016 6:35:00 PM | 160500.000 | 72.209 | 17.994 |
| 164.587 | 28938.359 | 33408.762 | 21.089 |
| 22717.961 | 34.556 | 1.015 | 14.696 |
| 10/14/2016 6:40:00 PM | 160800.000 | 72.212 | 17.994 |
| 164.593 | 28956.947 | 33430.473 | 21.104 |
| 22732.721 | 34.534 | 1.015 | 14.695 |
| 10/14/2016 6:45:00 PM | 161100.000 | 72.216 | 17.994 |
| 164.602 | 28934.111 | 33404.180 | 21.086 |
| 22714.844 | 34.561 | 1.015 | 14.695 |
| 10/14/2016 6:50:00 PM | 161400.000 | 72.193 | 17.994 |
| 164.550 | 28941.361 | 33412.418 | 21.092 |
| 22720.445 | 34.553 | 1.015 | 14.696 |
| 10/14/2016 6:55:00 PM | 161700.000 | 72.214 | 17.994 |
| 164.598 | 28950.061 | 33422.781 | 21.099 |
| 22727.494 | 34.542 | 1.015 | 14.696 |
| 10/14/2016 7:00:00 PM | 162000.000 | 72.218 | 17.994 |
| 164.606 | 28963.863 | 33438.262 | 21.110 |
| 22738.018 | 34.526 | 1.015 | 14.697 |
| 10/14/2016 7:05:00 PM | 162300.000 | 72.221 | 17.994 |
| 164.614 | 28952.107 | 33424.633 | 21.100 |
| 22728.750 | 34.540 | 1.015 | 14.698 |
| 10/14/2016 7:10:00 PM | 162600.000 | 72.219 | 17.994 |
| 164.610 | 28934.850 | 33405.164 | 21.087 |
| 22715.514 | 34.560 | 1.015 | 14.698 |
| 10/14/2016 7:15:00 PM | 162900.000 | 72.223 | 17.995 |
| 164.618 | 28949.053 | 33420.910 | 21.098 |
| 22726.219 | 34.543 | 1.015 | 14.699 |
| 10/14/2016 7:20:00 PM | 163200.000 | 72.217 | 17.994 |
| 164.605 | 28927.490 | 33396.270 | 21.081 |
| 22709.463 | 34.569 | 1.015 | 14.702 |
| 10/14/2016 7:25:00 PM | 163500.000 | 72.204 | 17.993 |
| 164.576 | 28941.813 | 33413.328 | 21.093 |
| 22721.064 | 34.552 | 1.015 | 14.705 |
| 10/14/2016 7:30:00 PM | 163800.000 | 72.218 | 17.994 |
| 164.607 | 28948.180 | 33420.484 | 21.097 |
| 22725.932 | 34.544 | 1.015 | 14.709 |
| 10/14/2016 7:35:00 PM | 164100.000 | 72.225 | 17.993 |
| 164.623 | 28938.092 | 33409.156 | 21.090 |
| 22718.227 | 34.557 | 1.015 | 14.706 |
| 10/14/2016 7:40:00 PM | 164400.000 | 72.229 | 17.994 |

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|---|---|---|---|
| 164.633 | 28926.645 | 33395.238 | 21.080 |
| 22708.764 | 34.570 | 1.015 | 14.704 |
| 10/14/2016 7:45:00 PM | 164700.000 | 72.232 | 17.994 |
| 164.639 | 28949.508 | 33422.086 | 21.099 |
| 22727.020 | 34.543 | 1.015 | 14.702 |
| 10/14/2016 7:50:00 PM | 165000.000 | 72.233 | 17.994 |
| 164.642 | 28934.967 | 33404.715 | 21.087 |
| 22715.209 | 34.560 | 1.015 | 14.703 |
| 10/14/2016 7:55:00 PM | 165300.000 | 72.239 | 17.994 |
| 164.654 | 28952.189 | 33424.980 | 21.101 |
| 22728.986 | 34.540 | 1.015 | 14.704 |
| 10/14/2016 8:00:00 PM | 165600.000 | 72.221 | 17.994 |
| 164.614 | 28940.461 | 33411.320 | 21.091 |
| 22719.697 | 34.554 | 1.015 | 14.705 |
| 10/14/2016 8:05:00 PM | 165900.000 | 72.244 | 17.994 |
| 164.667 | 28926.854 | 33395.801 | 21.080 |
| 22709.146 | 34.570 | 1.015 | 14.705 |
| 10/14/2016 8:10:00 PM | 166200.000 | 72.243 | 17.994 |
| 164.665 | 28941.314 | 33412.629 | 21.092 |
| 22720.588 | 34.553 | 1.015 | 14.705 |
| 10/14/2016 8:15:00 PM | 166500.000 | 72.240 | 17.993 |
| 164.656 | 28938.201 | 33409.281 | 21.090 |
| 22718.311 | 34.556 | 1.015 | 14.705 |
| 10/14/2016 8:20:00 PM | 166800.000 | 72.252 | 17.994 |
| 164.684 | 28947.785 | 33420.027 | 21.097 |
| 22725.621 | 34.545 | 1.015 | 14.703 |
| 10/14/2016 8:25:00 PM | 167100.000 | 72.248 | 17.994 |
| 164.675 | 28940.201 | 33410.945 | 21.091 |
| 22719.443 | 34.554 | 1.015 | 14.701 |
| 10/14/2016 8:30:00 PM | 167400.000 | 72.255 | 17.994 |
| 164.691 | 28947.568 | 33419.848 | 21.097 |
| 22725.496 | 34.545 | 1.015 | 14.699 |
| 10/14/2016 8:35:00 PM | 167700.000 | 72.261 | 17.993 |
| 164.705 | 28939.451 | 33410.727 | 21.091 |
| 22719.295 | 34.555 | 1.015 | 14.701 |
| 10/14/2016 8:40:00 PM | 168000.000 | 72.258 | 17.994 |
| 164.699 | 28944.424 | 33415.695 | 21.094 |
| 22722.676 | 34.549 | 1.015 | 14.703 |
| 10/14/2016 8:45:00 PM | 168300.000 | 72.257 | 17.993 |
| 164.696 | 28935.652 | 33406.535 | 21.088 |
| 22716.443 | 34.559 | 1.015 | 14.705 |
| 10/14/2016 8:50:00 PM | 168600.000 | 72.263 | 17.994 |
| 164.710 | 28947.494 | 33419.820 | 21.097 |
| 22725.479 | 34.545 | 1.015 | 14.704 |
| 10/14/2016 8:55:00 PM | 168900.000 | 72.261 | 17.994 |
| 164.705 | 28947.918 | 33419.855 | 21.097 |
| 22725.504 | 34.545 | 1.015 | 14.704 |
| 10/14/2016 9:00:00 PM | 169200.000 | 72.267 | 17.994 |
| 164.720 | 28942.400 | 33413.559 | 21.093 |
| 22721.223 | 34.551 | 1.015 | 14.703 |
| 10/14/2016 9:05:00 PM | 169500.000 | 72.271 | 17.993 |
| 164.729 | 28938.293 | 33409.324 | 21.090 |
| 22718.342 | 34.556 | 1.015 | 14.705 |
| 10/14/2016 9:10:00 PM | 169800.000 | 72.254 | 17.994 |

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|---|---|---|---|
| 164.689 | 28948.742 | 33421.000 | 21.098 |
| 22726.279 | 34.544 | 1.015 | 14.706 |
| 10/14/2016 9:15:00 PM | 170100.000 | 72.258 | 17.994 |
| 164.699 | 28949.430 | 33421.477 | 21.098 |
| 22726.604 | 34.543 | 1.015 | 14.707 |
| 10/14/2016 9:20:00 PM | 170400.000 | 72.258 | 17.993 |
| 164.699 | 28954.951 | 33428.496 | 21.103 |
| 22731.379 | 34.536 | 1.015 | 14.706 |
| 10/14/2016 9:25:00 PM | 170700.000 | 72.264 | 17.994 |
| 164.712 | 28937.078 | 33407.738 | 21.089 |
| 22717.262 | 34.558 | 1.015 | 14.706 |
| 10/14/2016 9:30:00 PM | 171000.000 | 72.285 | 17.994 |
| 164.760 | 28946.715 | 33418.598 | 21.096 |
| 22724.648 | 34.546 | 1.015 | 14.705 |
| 10/14/2016 9:35:00 PM | 171300.000 | 72.288 | 17.994 |
| 164.766 | 28942.156 | 33413.145 | 21.092 |
| 22720.939 | 34.552 | 1.015 | 14.707 |
| 10/14/2016 9:40:00 PM | 171600.000 | 72.290 | 17.994 |
| 164.771 | 28933.305 | 33403.117 | 21.085 |
| 22714.121 | 34.562 | 1.015 | 14.708 |
| 10/14/2016 9:45:00 PM | 171900.000 | 72.292 | 17.994 |
| 164.776 | 28930.637 | 33399.902 | 21.083 |
| 22711.936 | 34.565 | 1.015 | 14.709 |
| 10/14/2016 9:50:00 PM | 172200.000 | 72.292 | 17.994 |
| 164.775 | 28934.104 | 33404.102 | 21.086 |
| 22714.791 | 34.561 | 1.015 | 14.710 |
| 10/14/2016 9:55:00 PM | 172500.000 | 72.294 | 17.994 |
| 164.780 | 28935.523 | 33406.000 | 21.087 |
| 22716.082 | 34.560 | 1.015 | 14.710 |
| 10/14/2016 10:00:00 PM | 172800.000 | 72.298 | 17.993 |
| 164.788 | 28954.379 | 33427.898 | 21.103 |
| 22730.973 | 34.537 | 1.015 | 14.711 |
| 10/14/2016 10:05:00 PM | 173100.000 | 72.298 | 17.994 |
| 164.789 | 28936.602 | 33407.117 | 21.088 |
| 22716.840 | 34.558 | 1.015 | 14.708 |
| 10/14/2016 10:10:00 PM | 173400.000 | 72.303 | 17.994 |
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| 22720.852 | 34.552 | 1.015 | 14.706 |
| 10/14/2016 10:15:00 PM | 173700.000 | 72.306 | 17.994 |
| 164.808 | 28942.709 | 33414.035 | 21.093 |
| 22721.547 | 34.551 | 1.015 | 14.703 |
| 10/14/2016 10:20:00 PM | 174000.000 | 72.307 | 17.994 |
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| 22724.254 | 34.547 | 1.015 | 14.705 |
| 10/14/2016 10:25:00 PM | 174300.000 | 72.310 | 17.994 |
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| 22716.129 | 34.560 | 1.015 | 14.708 |
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| 22722.088 | 34.550 | 1.015 | 14.710 |
| 10/14/2016 10:40:00 PM | 175200.000 | 72.314 | 17.994 |

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| 22714.955 | 34.561 | 1.015 | 14.712 |
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| 22709.654 | 34.569 | 1.015 | 14.711 |
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| 22716.582 | 34.558 | 1.015 | 14.712 |
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| 22715.453 | 34.560 | 1.015 | 14.713 |
| 10/14/2016 11:40:00 PM | 178800.000 | 72.324 | 17.994 |
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| 22718.229 | 34.556 | 1.015 | 14.713 |
| 10/14/2016 11:45:00 PM | 179100.000 | 72.325 | 17.994 |
| 164.851 | 28953.414 | 33426.199 | 21.101 |
| 22729.818 | 34.538 | 1.015 | 14.713 |
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| 164.821 | 28943.301 | 33415.363 | 21.094 |
| 22722.449 | 34.550 | 1.015 | 14.714 |
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| 22719.557 | 34.554 | 1.015 | 14.715 |
| 10/15/2016 12:00:00 AM | 180000.000 | 72.328 | 17.994 |
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| 22724.902 | 34.546 | 1.015 | 14.715 |
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| 22726.271 | 34.544 | 1.015 | 14.713 |
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| 22711.002 | 34.567 | 1.015 | 14.710 |
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| 22713.412 | 34.563 | 1.015 | 14.708 |
| 10/15/2016 12:20:00 AM | 181200.000 | 72.328 | 17.994 |
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| 22713.240 | 34.564 | 1.015 | 14.707 |
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| 22719.457 | 34.554 | 1.015 | 14.706 |
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| 22711.197 | 34.567 | 1.015 | 14.705 |
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| 22714.283 | 34.562 | 1.015 | 14.707 |
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| 164.861 | 28931.268 | 33400.828 | 21.084 |
| 22712.564 | 34.565 | 1.015 | 14.708 |
| 10/15/2016 12:45:00 AM | 182700.000 | 72.321 | 17.994 |
| 164.842 | 28931.541 | 33401.402 | 21.084 |
| 22712.953 | 34.564 | 1.015 | 14.710 |
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| 22711.283 | 34.566 | 1.015 | 14.707 |
| 10/15/2016 12:55:00 AM | 183300.000 | 72.302 | 17.994 |
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| 22703.627 | 34.578 | 1.015 | 14.704 |
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| 22724.891 | 34.546 | 1.015 | 14.702 |
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| 22724.396 | 34.547 | 1.015 | 14.704 |
| 10/15/2016 1:10:00 AM | 184200.000 | 72.303 | 17.993 |
| 164.800 | 28934.098 | 33404.863 | 21.087 |
| 22715.307 | 34.561 | 1.015 | 14.706 |
| 10/15/2016 1:15:00 AM | 184500.000 | 72.301 | 17.994 |
| 164.795 | 28940.213 | 33411.031 | 21.091 |
| 22719.504 | 34.554 | 1.015 | 14.708 |
| 10/15/2016 1:20:00 AM | 184800.000 | 72.320 | 17.994 |
| 164.839 | 28933.811 | 33403.566 | 21.086 |
| 22714.426 | 34.562 | 1.015 | 14.709 |
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| 164.832 | 28936.455 | 33407.266 | 21.088 |
| 22716.941 | 34.558 | 1.015 | 14.709 |
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| 22724.133 | 34.547 | 1.015 | 14.709 |
| 10/15/2016 1:35:00 AM | 185700.000 | 72.318 | 17.994 |
| 164.834 | 28943.996 | 33415.461 | 21.094 |
| 22722.516 | 34.549 | 1.015 | 14.708 |
| 10/15/2016 1:40:00 AM | 186000.000 | 72.314 | 17.994 |

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| 22725.893 | 34.544 | 1.015 | 14.708 |
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| 22715.557 | 34.560 | 1.015 | 14.707 |
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| 22734.563 | 34.531 | 1.015 | 14.707 |
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| 22724.156 | 34.547 | 1.015 | 14.707 |
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| 164.770 | 28949.420 | 33422.109 | 21.099 |
| 22727.035 | 34.543 | 1.015 | 14.706 |
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| 164.802 | 28932.486 | 33402.172 | 21.085 |
| 22713.479 | 34.563 | 1.015 | 14.709 |
| 10/15/2016 2:10:00 AM | 187800.000 | 72.304 | 17.994 |
| 164.803 | 28944.801 | 33416.520 | 21.095 |
| 22723.236 | 34.549 | 1.015 | 14.711 |
| 10/15/2016 2:15:00 AM | 188100.000 | 72.277 | 17.994 |
| 164.742 | 28942.051 | 33412.895 | 21.092 |
| 22720.768 | 34.552 | 1.015 | 14.713 |
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| 164.784 | 28960.596 | 33434.816 | 21.107 |
| 22735.678 | 34.530 | 1.015 | 14.713 |
| 10/15/2016 2:25:00 AM | 188700.000 | 72.297 | 17.994 |
| 164.787 | 28932.500 | 33402.508 | 21.085 |
| 22713.707 | 34.563 | 1.015 | 14.712 |
| 10/15/2016 2:30:00 AM | 189000.000 | 72.297 | 17.994 |
| 164.787 | 28944.119 | 33415.410 | 21.094 |
| 22722.479 | 34.549 | 1.015 | 14.711 |
| 10/15/2016 2:35:00 AM | 189300.000 | 72.297 | 17.994 |
| 164.788 | 28953.344 | 33426.191 | 21.101 |
| 22729.811 | 34.538 | 1.015 | 14.708 |
| 10/15/2016 2:40:00 AM | 189600.000 | 72.295 | 17.993 |
| 164.782 | 28952.189 | 33425.309 | 21.101 |
| 22729.211 | 34.540 | 1.015 | 14.705 |
| 10/15/2016 2:45:00 AM | 189900.000 | 72.298 | 17.994 |
| 164.789 | 28938.289 | 33408.738 | 21.089 |
| 22717.943 | 34.556 | 1.015 | 14.702 |
| 10/15/2016 2:50:00 AM | 190200.000 | 72.293 | 17.994 |
| 164.778 | 28938.139 | 33408.828 | 21.089 |
| 22718.004 | 34.556 | 1.015 | 14.704 |
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| 22713.588 | 34.563 | 1.015 | 14.705 |
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| 164.749 | 28949.861 | 33422.555 | 21.099 |
| 22727.338 | 34.542 | 1.015 | 14.706 |
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| 164.748 | 28937.738 | 33408.625 | 21.089 |
| 22717.867 | 34.557 | 1.015 | 14.705 |
| 10/15/2016 3:10:00 AM | 191400.000 | 72.263 | 17.995 |

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| 22724.941 | 34.545 | 1.015 | 14.704 |
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| 22713.789 | 34.563 | 1.015 | 14.705 |
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| 22715.748 | 34.559 | 1.015 | 14.707 |
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| 164.724 | 28946.943 | 33418.926 | 21.096 |
| 22724.871 | 34.546 | 1.015 | 14.707 |
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| 22733.436 | 34.533 | 1.015 | 14.706 |
| 10/15/2016 3:45:00 AM | 193500.000 | 72.264 | 17.994 |
| 164.712 | 28937.930 | 33408.395 | 21.089 |
| 22717.711 | 34.557 | 1.015 | 14.706 |
| 10/15/2016 3:50:00 AM | 193800.000 | 72.260 | 17.994 |
| 164.703 | 28954.113 | 33427.078 | 21.102 |
| 22730.416 | 34.537 | 1.015 | 14.705 |
| 10/15/2016 3:55:00 AM | 194100.000 | 72.259 | 17.994 |
| 164.700 | 28947.178 | 33419.324 | 21.097 |
| 22725.141 | 34.546 | 1.015 | 14.705 |
| 10/15/2016 4:00:00 AM | 194400.000 | 72.260 | 17.993 |
| 164.702 | 28949.914 | 33422.805 | 21.099 |
| 22727.508 | 34.542 | 1.015 | 14.704 |
| 10/15/2016 4:05:00 AM | 194700.000 | 72.257 | 17.993 |
| 164.697 | 28940.139 | 33411.520 | 21.091 |
| 22719.836 | 34.554 | 1.015 | 14.703 |
| 10/15/2016 4:10:00 AM | 195000.000 | 72.259 | 17.993 |
| 164.700 | 28941.252 | 33412.742 | 21.092 |
| 22720.664 | 34.553 | 1.015 | 14.701 |
| 10/15/2016 4:15:00 AM | 195300.000 | 72.237 | 17.994 |
| 164.650 | 28944.379 | 33416.094 | 21.094 |
| 22722.943 | 34.549 | 1.015 | 14.700 |
| 10/15/2016 4:20:00 AM | 195600.000 | 72.237 | 17.994 |
| 164.649 | 28949.656 | 33422.258 | 21.099 |
| 22727.137 | 34.543 | 1.015 | 14.698 |
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| 164.641 | 28941.566 | 33412.465 | 21.092 |
| 22720.479 | 34.552 | 1.015 | 14.695 |
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| 164.655 | 28935.979 | 33406.469 | 21.088 |
| 22716.400 | 34.559 | 1.015 | 14.693 |
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| 22720.424 | 34.553 | 1.015 | 14.693 |
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| 164.686 | 28947.162 | 33418.727 | 21.096 |
| 22724.734 | 34.546 | 1.015 | 14.693 |
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| 164.681 | 28935.684 | 33405.926 | 21.087 |
| 22716.029 | 34.559 | 1.015 | 14.694 |
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| 164.671 | 28946.141 | 33418.199 | 21.096 |
| 22724.377 | 34.547 | 1.015 | 14.696 |
| 10/15/2016 5:00:00 AM | 198000.000 | 72.245 | 17.994 |
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| 22726.184 | 34.544 | 1.015 | 14.697 |
| 10/15/2016 5:05:00 AM | 198300.000 | 72.250 | 17.993 |
| 164.681 | 28948.908 | 33421.520 | 21.098 |
| 22726.633 | 34.544 | 1.015 | 14.697 |
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| 164.688 | 28943.258 | 33414.930 | 21.094 |
| 22722.152 | 34.550 | 1.015 | 14.697 |
| 10/15/2016 5:15:00 AM | 198900.000 | 72.247 | 17.994 |
| 164.673 | 28951.639 | 33424.023 | 21.100 |
| 22728.336 | 34.540 | 1.015 | 14.697 |
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| 164.666 | 28939.980 | 33410.887 | 21.091 |
| 22719.404 | 34.554 | 1.015 | 14.698 |
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| 164.671 | 28950.539 | 33422.754 | 21.099 |
| 22727.475 | 34.542 | 1.015 | 14.699 |
| 10/15/2016 5:30:00 AM | 199800.000 | 72.241 | 17.994 |
| 164.659 | 28952.498 | 33424.957 | 21.101 |
| 22728.971 | 34.539 | 1.015 | 14.701 |
| 10/15/2016 5:35:00 AM | 200100.000 | 72.241 | 17.994 |
| 164.659 | 28930.463 | 33399.836 | 21.083 |
| 22711.889 | 34.566 | 1.015 | 14.699 |
| 10/15/2016 5:40:00 AM | 200400.000 | 72.250 | 17.994 |
| 164.680 | 28944.352 | 33416.133 | 21.094 |
| 22722.971 | 34.549 | 1.015 | 14.697 |
| 10/15/2016 5:45:00 AM | 200700.000 | 72.247 | 17.994 |
| 164.672 | 28954.674 | 33427.598 | 21.102 |
| 22730.768 | 34.537 | 1.015 | 14.695 |
| 10/15/2016 5:50:00 AM | 201000.000 | 72.247 | 17.994 |
| 164.674 | 28965.658 | 33440.336 | 21.111 |
| 22739.430 | 34.524 | 1.015 | 14.697 |
| 10/15/2016 5:55:00 AM | 201300.000 | 72.246 | 17.995 |
| 164.670 | 28943.490 | 33414.488 | 21.093 |
| 22721.854 | 34.550 | 1.015 | 14.698 |
| 10/15/2016 6:00:00 AM | 201600.000 | 72.249 | 17.994 |
| 164.678 | 28933.074 | 33402.719 | 21.085 |
| 22713.850 | 34.563 | 1.015 | 14.700 |
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| 164.663 | 28950.545 | 33423.285 | 21.099 |
| 22727.834 | 34.542 | 1.015 | 14.703 |
| 10/15/2016 6:10:00 AM | 202200.000 | 72.240 | 17.994 |

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| 22713.881 | 34.563 | 1.015 | 14.705 |
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| 164.659 | 28955.795 | 33429.668 | 21.104 |
| 22732.176 | 34.535 | 1.015 | 14.708 |
| 10/15/2016 6:20:00 AM | 202800.000 | 72.246 | 17.994 |
| 164.671 | 28944.955 | 33416.629 | 21.095 |
| 22723.311 | 34.548 | 1.015 | 14.708 |
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| 164.665 | 28955.158 | 33428.609 | 21.103 |
| 22731.457 | 34.536 | 1.015 | 14.707 |
| 10/15/2016 6:30:00 AM | 203400.000 | 72.248 | 17.994 |
| 164.676 | 28929.873 | 33399.156 | 21.083 |
| 22711.428 | 34.566 | 1.015 | 14.707 |
| 10/15/2016 6:35:00 AM | 203700.000 | 72.246 | 17.994 |
| 164.670 | 28945.111 | 33416.488 | 21.095 |
| 22723.213 | 34.548 | 1.015 | 14.705 |
| 10/15/2016 6:40:00 AM | 204000.000 | 72.247 | 17.994 |
| 164.674 | 28939.000 | 33409.957 | 21.090 |
| 22718.773 | 34.555 | 1.015 | 14.703 |
| 10/15/2016 6:45:00 AM | 204300.000 | 72.256 | 17.994 |
| 164.695 | 28961.977 | 33435.898 | 21.108 |
| 22736.414 | 34.528 | 1.015 | 14.701 |
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| 164.686 | 28949.639 | 33422.297 | 21.099 |
| 22727.164 | 34.543 | 1.015 | 14.702 |
| 10/15/2016 6:55:00 AM | 204900.000 | 72.259 | 17.994 |
| 164.700 | 28948.547 | 33420.715 | 21.098 |
| 22726.088 | 34.544 | 1.015 | 14.704 |
| 10/15/2016 7:00:00 AM | 205200.000 | 72.255 | 17.994 |
| 164.692 | 28954.516 | 33427.414 | 21.102 |
| 22730.645 | 34.537 | 1.015 | 14.705 |
| 10/15/2016 7:05:00 AM | 205500.000 | 72.260 | 17.994 |
| 164.703 | 28957.703 | 33431.414 | 21.105 |
| 22733.361 | 34.533 | 1.015 | 14.705 |
| 10/15/2016 7:10:00 AM | 205800.000 | 72.258 | 17.993 |
| 164.699 | 28939.994 | 33411.547 | 21.091 |
| 22719.852 | 34.554 | 1.015 | 14.705 |
| 10/15/2016 7:15:00 AM | 206100.000 | 72.260 | 17.994 |
| 164.702 | 28941.678 | 33412.594 | 21.092 |
| 22720.566 | 34.552 | 1.015 | 14.706 |
| 10/15/2016 7:20:00 AM | 206400.000 | 72.265 | 17.994 |
| 164.715 | 28955.195 | 33428.520 | 21.103 |
| 22731.395 | 34.536 | 1.015 | 14.704 |
| 10/15/2016 7:25:00 AM | 206700.000 | 72.265 | 17.994 |
| 164.715 | 28936.537 | 33406.527 | 21.088 |
| 22716.439 | 34.558 | 1.015 | 14.702 |
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| 164.732 | 28944.459 | 33416.125 | 21.094 |
| 22722.965 | 34.549 | 1.015 | 14.700 |
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| 22721.621 | 34.551 | 1.015 | 14.701 |
| 10/15/2016 7:40:00 AM | 207600.000 | 72.276 | 17.994 |

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| 164.738 | 28939.268 | 33409.809 | 21.090 |
| 22718.672 | 34.555 | 1.015 | 14.701 |
| 10/15/2016 7:45:00 AM | 207900.000 | 72.275 | 17.994 |
| 164.737 | 28949.404 | 33421.703 | 21.098 |
| 22726.760 | 34.543 | 1.015 | 14.702 |
| 10/15/2016 7:50:00 AM | 208200.000 | 72.278 | 17.994 |
| 164.743 | 28942.176 | 33413.488 | 21.093 |
| 22721.172 | 34.552 | 1.015 | 14.702 |
| 10/15/2016 7:55:00 AM | 208500.000 | 72.280 | 17.994 |
| 164.749 | 28943.066 | 33414.195 | 21.093 |
| 22721.652 | 34.551 | 1.015 | 14.703 |
| 10/15/2016 8:00:00 AM | 208800.000 | 72.284 | 17.994 |
| 164.758 | 28954.303 | 33427.168 | 21.102 |
| 22730.477 | 34.537 | 1.015 | 14.703 |
| 10/15/2016 8:05:00 AM | 209100.000 | 72.265 | 17.993 |
| 164.715 | 28935.684 | 33406.250 | 21.088 |
| 22716.252 | 34.559 | 1.015 | 14.703 |
| 10/15/2016 8:10:00 AM | 209400.000 | 72.285 | 17.994 |
| 164.759 | 28958.451 | 33432.211 | 21.106 |
| 22733.906 | 34.532 | 1.015 | 14.702 |
| 10/15/2016 8:15:00 AM | 209700.000 | 72.293 | 17.994 |
| 164.777 | 28955.555 | 33428.613 | 21.103 |
| 22731.459 | 34.536 | 1.015 | 14.702 |
| 10/15/2016 8:20:00 AM | 210000.000 | 72.292 | 17.994 |
| 164.776 | 28924.459 | 33392.844 | 21.078 |
| 22707.137 | 34.573 | 1.015 | 14.701 |
| 10/15/2016 8:25:00 AM | 210300.000 | 72.296 | 17.994 |
| 164.785 | 28946.822 | 33418.723 | 21.096 |
| 22724.732 | 34.546 | 1.015 | 14.699 |
| 10/15/2016 8:30:00 AM | 210600.000 | 72.305 | 17.994 |
| 164.805 | 28955.100 | 33428.145 | 21.103 |
| 22731.141 | 34.536 | 1.015 | 14.698 |
| 10/15/2016 8:35:00 AM | 210900.000 | 72.307 | 17.994 |
| 164.809 | 28937.912 | 33408.699 | 21.089 |
| 22717.916 | 34.557 | 1.015 | 14.698 |
| 10/15/2016 8:40:00 AM | 211200.000 | 72.311 | 17.994 |
| 164.819 | 28952.480 | 33425.195 | 21.101 |
| 22729.133 | 34.539 | 1.015 | 14.697 |
| 10/15/2016 8:45:00 AM | 211500.000 | 72.289 | 17.994 |
| 164.770 | 28946.162 | 33417.828 | 21.096 |
| 22724.125 | 34.547 | 1.015 | 14.697 |
| 10/15/2016 8:50:00 AM | 211800.000 | 72.312 | 17.994 |
| 164.822 | 28933.650 | 33403.781 | 21.086 |
| 22714.572 | 34.562 | 1.015 | 14.700 |
| 10/15/2016 8:55:00 AM | 212100.000 | 72.315 | 17.995 |
| 164.828 | 28930.568 | 33399.504 | 21.083 |
| 22711.662 | 34.566 | 1.015 | 14.702 |
| 10/15/2016 9:00:00 AM | 212400.000 | 72.314 | 17.994 |
| 164.827 | 28942.912 | 33414.016 | 21.093 |
| 22721.533 | 34.551 | 1.015 | 14.704 |
| 10/15/2016 9:05:00 AM | 212700.000 | 72.317 | 17.994 |
| 164.834 | 28933.086 | 33402.805 | 21.085 |
| 22713.908 | 34.563 | 1.015 | 14.704 |
| 10/15/2016 9:10:00 AM | 213000.000 | 72.322 | 17.994 |

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|---|---|---|---|
| 164.844 | 28958.992 | 33433.094 | 21.106 |
| 22734.504 | 34.532 | 1.015 | 14.704 |
| 10/15/2016 9:15:00 AM | 213300.000 | 72.324 | 17.994 |
| 164.849 | 28951.727 | 33424.250 | 21.100 |
| 22728.490 | 34.540 | 1.015 | 14.704 |
| 10/15/2016 9:20:00 AM | 213600.000 | 72.322 | 17.994 |
| 164.845 | 28937.061 | 33407.719 | 21.089 |
| 22717.248 | 34.558 | 1.015 | 14.704 |
| 10/15/2016 9:25:00 AM | 213900.000 | 72.332 | 17.994 |
| 164.868 | 28941.770 | 33412.699 | 21.092 |
| 22720.637 | 34.552 | 1.015 | 14.705 |
| 10/15/2016 9:30:00 AM | 214200.000 | 72.332 | 17.994 |
| 164.866 | 28930.953 | 33400.402 | 21.084 |
| 22712.275 | 34.565 | 1.015 | 14.705 |
| 10/15/2016 9:35:00 AM | 214500.000 | 72.309 | 17.994 |
| 164.814 | 28931.986 | 33401.918 | 21.085 |
| 22713.307 | 34.564 | 1.015 | 14.707 |
| 10/15/2016 9:40:00 AM | 214800.000 | 72.336 | 17.994 |
| 164.876 | 28949.932 | 33422.578 | 21.099 |
| 22727.354 | 34.542 | 1.015 | 14.709 |
| 10/15/2016 9:45:00 AM | 215100.000 | 72.336 | 17.994 |
| 164.875 | 28929.219 | 33398.078 | 21.082 |
| 22710.695 | 34.567 | 1.015 | 14.711 |
| 10/15/2016 9:50:00 AM | 215400.000 | 72.334 | 17.994 |
| 164.872 | 28931.090 | 33400.691 | 21.084 |
| 22712.471 | 34.565 | 1.015 | 14.711 |
| 10/15/2016 9:55:00 AM | 215700.000 | 72.337 | 17.994 |
| 164.879 | 28937.527 | 33407.672 | 21.089 |
| 22717.219 | 34.557 | 1.015 | 14.711 |
| 10/15/2016 10:00:00 AM | 216000.000 | 72.347 | 17.993 |
| 164.901 | 28933.650 | 33403.965 | 21.086 |
| 22714.699 | 34.562 | 1.015 | 14.711 |
| 10/15/2016 10:05:00 AM | 216300.000 | 72.348 | 17.993 |
| 164.903 | 28936.975 | 33407.805 | 21.089 |
| 22717.309 | 34.558 | 1.015 | 14.711 |
| 10/15/2016 10:10:00 AM | 216600.000 | 72.350 | 17.993 |
| 164.909 | 28938.164 | 33409.176 | 21.090 |
| 22718.240 | 34.556 | 1.015 | 14.711 |
| 10/15/2016 10:15:00 AM | 216900.000 | 72.358 | 17.994 |
| 164.926 | 28956.504 | 33430.164 | 21.104 |
| 22732.514 | 34.535 | 1.015 | 14.711 |
| 10/15/2016 10:20:00 AM | 217200.000 | 72.358 | 17.994 |
| 164.926 | 28926.623 | 33395.594 | 21.080 |
| 22709.006 | 34.570 | 1.015 | 14.711 |
| 10/15/2016 10:25:00 AM | 217500.000 | 72.359 | 17.994 |
| 164.928 | 28946.598 | 33418.594 | 21.096 |
| 22724.646 | 34.546 | 1.015 | 14.711 |
| 10/15/2016 10:30:00 AM | 217800.000 | 72.360 | 17.995 |
| 164.931 | 28945.902 | 33417.273 | 21.095 |
| 22723.748 | 34.547 | 1.015 | 14.712 |
| 10/15/2016 10:35:00 AM | 218100.000 | 72.361 | 17.994 |
| 164.933 | 28936.887 | 33407.383 | 21.088 |
| 22717.021 | 34.558 | 1.015 | 14.711 |
| 10/15/2016 10:40:00 AM | 218400.000 | 72.349 | 17.993 |

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|---|---|---|---|
| 164.905 | 28931.625 | 33401.762 | 21.084 |
| 22713.197 | 34.564 | 1.015 | 14.711 |
| 10/15/2016 10:45:00 AM | 218700.000 | 72.368 | 17.993 |
| 164.948 | 28946.264 | 33418.527 | 21.096 |
| 22724.600 | 34.547 | 1.015 | 14.710 |
| 10/15/2016 10:50:00 AM | 219000.000 | 72.371 | 17.994 |
| 164.957 | 28935.146 | 33404.922 | 21.087 |
| 22715.350 | 34.560 | 1.015 | 14.710 |
| 10/15/2016 10:55:00 AM | 219300.000 | 72.373 | 17.994 |
| 164.960 | 28945.354 | 33417.156 | 21.095 |
| 22723.668 | 34.548 | 1.015 | 14.710 |
| 10/15/2016 11:00:00 AM | 219600.000 | 72.375 | 17.994 |
| 164.964 | 28924.650 | 33392.934 | 21.078 |
| 22707.197 | 34.573 | 1.015 | 14.709 |
| 10/15/2016 11:05:00 AM | 219900.000 | 72.378 | 17.993 |
| 164.973 | 28941.131 | 33412.859 | 21.092 |
| 22720.744 | 34.553 | 1.015 | 14.709 |
| 10/15/2016 11:10:00 AM | 220200.000 | 72.378 | 17.994 |
| 164.972 | 28937.762 | 33408.324 | 21.089 |
| 22717.660 | 34.557 | 1.015 | 14.709 |
| 10/15/2016 11:15:00 AM | 220500.000 | 72.381 | 17.994 |
| 164.980 | 28955.129 | 33428.633 | 21.103 |
| 22731.473 | 34.536 | 1.015 | 14.710 |
| 10/15/2016 11:20:00 AM | 220800.000 | 72.377 | 17.994 |
| 164.969 | 28933.447 | 33403.344 | 21.086 |
| 22714.275 | 34.562 | 1.015 | 14.707 |
| 10/15/2016 11:25:00 AM | 221100.000 | 72.384 | 17.994 |
| 164.986 | 28939.740 | 33410.289 | 21.090 |
| 22718.998 | 34.555 | 1.015 | 14.705 |
| 10/15/2016 11:30:00 AM | 221400.000 | 72.387 | 17.994 |
| 164.991 | 28928.646 | 33397.934 | 21.082 |
| 22710.596 | 34.568 | 1.015 | 14.703 |
| 10/15/2016 11:35:00 AM | 221700.000 | 72.387 | 17.994 |
| 164.991 | 28932.043 | 33401.980 | 21.085 |
| 22713.348 | 34.564 | 1.015 | 14.702 |
| 10/15/2016 11:40:00 AM | 222000.000 | 72.387 | 17.994 |
| 164.993 | 28940.100 | 33410.902 | 21.091 |
| 22719.416 | 34.554 | 1.015 | 14.700 |
| 10/15/2016 11:45:00 AM | 222300.000 | 72.387 | 17.994 |
| 164.991 | 28931.938 | 33401.281 | 21.084 |
| 22712.871 | 34.564 | 1.015 | 14.699 |
| 10/15/2016 11:50:00 AM | 222600.000 | 72.387 | 17.994 |
| 164.993 | 28934.674 | 33404.441 | 21.086 |
| 22715.021 | 34.561 | 1.015 | 14.699 |
| 10/15/2016 11:55:00 AM | 222900.000 | 72.389 | 17.994 |
| 164.996 | 28928.020 | 33397.078 | 21.081 |
| 22710.014 | 34.569 | 1.015 | 14.698 |
| 10/15/2016 12:00:00 PM | 223200.000 | 72.388 | 17.993 |
| 164.994 | 28943.295 | 33415.039 | 21.094 |
| 22722.227 | 34.550 | 1.015 | 14.698 |
| 10/15/2016 12:05:00 PM | 223500.000 | 72.395 | 17.993 |
| 165.009 | 28956.338 | 33430.098 | 21.104 |
| 22732.467 | 34.535 | 1.015 | 14.697 |
| 10/15/2016 12:10:00 PM | 223800.000 | 72.391 | 17.994 |

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|---|---|---|---|
| 165.000 | 28931.549 | 33401.281 | 21.084 |
| 22712.871 | 34.564 | 1.015 | 14.696 |
| 10/15/2016 12:15:00 PM | 224100.000 | 72.373 | 17.994 |
| 164.961 | 28934.150 | 33404.156 | 21.086 |
| 22714.826 | 34.561 | 1.015 | 14.694 |
| 10/15/2016 12:20:00 PM | 224400.000 | 72.371 | 17.994 |
| 164.956 | 28938.416 | 33408.957 | 21.089 |
| 22718.092 | 34.556 | 1.015 | 14.694 |
| 10/15/2016 12:25:00 PM | 224700.000 | 72.391 | 17.994 |
| 165.001 | 28939.182 | 33409.770 | 21.090 |
| 22718.643 | 34.555 | 1.015 | 14.694 |
| 10/15/2016 12:30:00 PM | 225000.000 | 72.389 | 17.994 |
| 164.997 | 28934.049 | 33403.914 | 21.086 |
| 22714.662 | 34.561 | 1.015 | 14.693 |
| 10/15/2016 12:35:00 PM | 225300.000 | 72.384 | 17.994 |
| 164.986 | 28936.992 | 33407.637 | 21.089 |
| 22717.193 | 34.558 | 1.015 | 14.693 |
| 10/15/2016 12:40:00 PM | 225600.000 | 72.374 | 17.994 |
| 164.963 | 28953.936 | 33426.801 | 21.102 |
| 22730.227 | 34.538 | 1.015 | 14.693 |
| 10/15/2016 12:45:00 PM | 225900.000 | 72.370 | 17.994 |
| 164.953 | 28936.775 | 33407.387 | 21.088 |
| 22717.023 | 34.558 | 1.015 | 14.693 |
| 10/15/2016 12:50:00 PM | 226200.000 | 72.387 | 17.993 |
| 164.992 | 28953.891 | 33427.332 | 21.102 |
| 22730.588 | 34.538 | 1.015 | 14.692 |
| 10/15/2016 12:55:00 PM | 226500.000 | 72.368 | 17.994 |
| 164.950 | 28932.063 | 33401.875 | 21.085 |
| 22713.275 | 34.564 | 1.015 | 14.690 |
| 10/15/2016 1:00:00 PM | 226800.000 | 72.381 | 17.993 |
| 164.978 | 28931.918 | 33401.902 | 21.085 |
| 22713.295 | 34.564 | 1.015 | 14.689 |
| 10/15/2016 1:05:00 PM | 227100.000 | 72.388 | 17.994 |
| 164.994 | 28949.867 | 33422.180 | 21.099 |
| 22727.084 | 34.542 | 1.015 | 14.685 |
| 10/15/2016 1:10:00 PM | 227400.000 | 72.385 | 17.993 |
| 164.987 | 28925.617 | 33394.754 | 21.080 |
| 22708.436 | 34.571 | 1.015 | 14.681 |
| 10/15/2016 1:15:00 PM | 227700.000 | 72.389 | 17.994 |
| 164.996 | 28949.701 | 33421.914 | 21.098 |
| 22726.904 | 34.543 | 1.015 | 14.677 |
| 10/15/2016 1:20:00 PM | 228000.000 | 72.385 | 17.993 |
| 164.989 | 28938.021 | 33409.012 | 21.090 |
| 22718.131 | 34.557 | 1.015 | 14.677 |
| 10/15/2016 1:25:00 PM | 228300.000 | 72.380 | 17.994 |
| 164.977 | 28928.361 | 33397.410 | 21.081 |
| 22710.240 | 34.568 | 1.015 | 14.677 |
| 10/15/2016 1:30:00 PM | 228600.000 | 72.380 | 17.994 |
| 164.977 | 28926.139 | 33395.109 | 21.080 |
| 22708.676 | 34.571 | 1.015 | 14.677 |
| 10/15/2016 1:35:00 PM | 228900.000 | 72.377 | 17.995 |
| 164.969 | 28946.045 | 33417.438 | 21.095 |
| 22723.857 | 34.547 | 1.015 | 14.675 |
| 10/15/2016 1:40:00 PM | 229200.000 | 72.377 | 17.994 |

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| 164.970 | 28931.449 | 33401.238 | 21.084 |
| 22712.844 | 34.564 | 1.015 | 14.674 |
| 10/15/2016 1:45:00 PM | 229500.000 | 72.383 | 17.994 |
| 164.984 | 28953.150 | 33426.160 | 21.101 |
| 22729.789 | 34.539 | 1.015 | 14.672 |
| 10/15/2016 1:50:00 PM | 229800.000 | 72.382 | 17.994 |
| 164.981 | 28949.434 | 33421.605 | 21.098 |
| 22726.691 | 34.543 | 1.015 | 14.671 |
| 10/15/2016 1:55:00 PM | 230100.000 | 72.378 | 17.994 |
| 164.973 | 28942.516 | 33413.813 | 21.093 |
| 22721.395 | 34.551 | 1.015 | 14.671 |
| 10/15/2016 2:00:00 PM | 230400.000 | 72.370 | 17.994 |
| 164.954 | 28937.467 | 33407.984 | 21.089 |
| 22717.430 | 34.557 | 1.015 | 14.670 |
| 10/15/2016 2:05:00 PM | 230700.000 | 72.373 | 17.994 |
| 164.960 | 28936.422 | 33407.039 | 21.088 |
| 22716.787 | 34.559 | 1.015 | 14.669 |
| 10/15/2016 2:10:00 PM | 231000.000 | 72.367 | 17.993 |
| 164.946 | 28932.951 | 33403.223 | 21.085 |
| 22714.193 | 34.563 | 1.015 | 14.668 |
| 10/15/2016 2:15:00 PM | 231300.000 | 72.342 | 17.993 |
| 164.890 | 28942.359 | 33413.957 | 21.093 |
| 22721.490 | 34.551 | 1.015 | 14.667 |
| 10/15/2016 2:20:00 PM | 231600.000 | 72.364 | 17.994 |
| 164.940 | 28947.289 | 33419.203 | 21.097 |
| 22725.059 | 34.546 | 1.015 | 14.664 |
| 10/15/2016 2:25:00 PM | 231900.000 | 72.342 | 17.993 |
| 164.890 | 28938.910 | 33410.039 | 21.090 |
| 22718.828 | 34.556 | 1.015 | 14.661 |
| 10/15/2016 2:30:00 PM | 232200.000 | 72.357 | 17.994 |
| 164.925 | 28950.938 | 33423.605 | 21.100 |
| 22728.055 | 34.541 | 1.015 | 14.659 |
| 10/15/2016 2:35:00 PM | 232500.000 | 72.361 | 17.993 |
| 164.933 | 28942.330 | 33413.988 | 21.093 |
| 22721.514 | 34.551 | 1.015 | 14.656 |
| 10/15/2016 2:40:00 PM | 232800.000 | 72.366 | 17.993 |
| 164.944 | 28933.359 | 33403.566 | 21.086 |
| 22714.426 | 34.562 | 1.015 | 14.654 |
| 10/15/2016 2:45:00 PM | 233100.000 | 72.362 | 17.994 |
| 164.935 | 28924.924 | 33393.633 | 21.079 |
| 22707.670 | 34.572 | 1.015 | 14.651 |
| 10/15/2016 2:50:00 PM | 233400.000 | 72.361 | 17.994 |
| 164.933 | 28947.100 | 33419.363 | 21.097 |
| 22725.168 | 34.546 | 1.015 | 14.654 |
| 10/15/2016 2:55:00 PM | 233700.000 | 72.356 | 17.993 |
| 164.921 | 28932.764 | 33402.879 | 21.085 |
| 22713.959 | 34.563 | 1.015 | 14.656 |
| 10/15/2016 3:00:00 PM | 234000.000 | 72.328 | 17.994 |
| 164.857 | 28954.834 | 33427.840 | 21.103 |
| 22730.932 | 34.537 | 1.015 | 14.659 |
| 10/15/2016 3:05:00 PM | 234300.000 | 72.345 | 17.994 |
| 164.897 | 28931.453 | 33400.789 | 21.084 |
| 22712.537 | 34.564 | 1.015 | 14.661 |
| 10/15/2016 3:10:00 PM | 234600.000 | 72.328 | 17.994 |

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| 164.857 | 28933.877 | 33403.645 | 21.086 |
| 22714.479 | 34.562 | 1.015 | 14.663 |
| 10/15/2016 3:15:00 PM | 234900.000 | 72.337 | 17.994 |
| 164.878 | 28930.895 | 33400.199 | 21.083 |
| 22712.135 | 34.565 | 1.015 | 14.664 |
| 10/15/2016 3:20:00 PM | 235200.000 | 72.337 | 17.993 |
| 164.878 | 28941.799 | 33413.313 | 21.092 |
| 22721.055 | 34.552 | 1.015 | 14.664 |
| 10/15/2016 3:25:00 PM | 235500.000 | 72.331 | 17.994 |
| 164.864 | 28956.301 | 33429.664 | 21.104 |
| 22732.172 | 34.535 | 1.015 | 14.663 |
| 10/15/2016 3:30:00 PM | 235800.000 | 72.324 | 17.994 |
| 164.849 | 28940.691 | 33411.910 | 21.092 |
| 22720.100 | 34.553 | 1.015 | 14.663 |
| 10/15/2016 3:35:00 PM | 236100.000 | 72.330 | 17.994 |
| 164.862 | 28948.809 | 33421.016 | 21.098 |
| 22726.291 | 34.544 | 1.015 | 14.662 |
| 10/15/2016 3:40:00 PM | 236400.000 | 72.325 | 17.994 |
| 164.851 | 28947.791 | 33419.902 | 21.097 |
| 22725.535 | 34.545 | 1.015 | 14.661 |
| 10/15/2016 3:45:00 PM | 236700.000 | 72.328 | 17.994 |
| 164.857 | 28939.229 | 33410.020 | 21.090 |
| 22718.814 | 34.555 | 1.015 | 14.660 |
| 10/15/2016 3:50:00 PM | 237000.000 | 72.305 | 17.994 |
| 164.805 | 28950.787 | 33423.563 | 21.100 |
| 22728.025 | 34.541 | 1.015 | 14.658 |
| 10/15/2016 3:55:00 PM | 237300.000 | 72.325 | 17.994 |
| 164.850 | 28926.879 | 33395.891 | 21.080 |
| 22709.205 | 34.570 | 1.015 | 14.657 |
| 10/15/2016 4:00:00 PM | 237600.000 | 72.322 | 17.994 |
| 164.844 | 28951.721 | 33424.188 | 21.100 |
| 22728.449 | 34.540 | 1.015 | 14.655 |
| 10/15/2016 4:05:00 PM | 237900.000 | 72.314 | 17.994 |
| 164.825 | 28953.682 | 33426.582 | 21.102 |
| 22730.078 | 34.538 | 1.015 | 14.656 |
| 10/15/2016 4:10:00 PM | 238200.000 | 72.314 | 17.994 |
| 164.827 | 28955.795 | 33428.949 | 21.103 |
| 22731.688 | 34.535 | 1.015 | 14.658 |
| 10/15/2016 4:15:00 PM | 238500.000 | 72.316 | 17.994 |
| 164.830 | 28930.557 | 33399.813 | 21.083 |
| 22711.873 | 34.566 | 1.015 | 14.659 |
| 10/15/2016 4:20:00 PM | 238800.000 | 72.310 | 17.994 |
| 164.817 | 28945.395 | 33417.340 | 21.095 |
| 22723.793 | 34.548 | 1.015 | 14.663 |
| 10/15/2016 4:25:00 PM | 239100.000 | 72.306 | 17.994 |
| 164.809 | 28924.924 | 33393.633 | 21.079 |
| 22707.670 | 34.572 | 1.015 | 14.666 |
| 10/15/2016 4:30:00 PM | 239400.000 | 72.301 | 17.993 |
| 164.796 | 28943.818 | 33415.840 | 21.094 |
| 22722.773 | 34.550 | 1.015 | 14.669 |
| 10/15/2016 4:35:00 PM | 239700.000 | 72.298 | 17.994 |
| 164.790 | 28934.818 | 33404.863 | 21.087 |
| 22715.307 | 34.560 | 1.015 | 14.671 |
| 10/15/2016 4:40:00 PM | 240000.000 | 72.276 | 17.994 |

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| 164.738 | 28939.500 | 33410.535 | 21.091 |
| 22719.166 | 34.555 | 1.015 | 14.673 |
| 10/15/2016 4:45:00 PM | 240300.000 | 72.288 | 17.993 |
| 164.767 | 28946.369 | 33418.711 | 21.096 |
| 22724.727 | 34.547 | 1.015 | 14.674 |
| 10/15/2016 4:50:00 PM | 240600.000 | 72.293 | 17.994 |
| 164.778 | 28945.545 | 33417.309 | 21.095 |
| 22723.770 | 34.548 | 1.015 | 14.672 |
| 10/15/2016 4:55:00 PM | 240900.000 | 72.270 | 17.994 |
| 164.726 | 28944.887 | 33416.488 | 21.095 |
| 22723.213 | 34.548 | 1.015 | 14.669 |
| 10/15/2016 5:00:00 PM | 241200.000 | 72.295 | 17.994 |
| 164.782 | 28944.158 | 33415.328 | 21.094 |
| 22722.426 | 34.549 | 1.015 | 14.667 |
| 10/15/2016 5:05:00 PM | 241500.000 | 72.289 | 17.995 |
| 164.769 | 28950.396 | 33422.461 | 21.099 |
| 22727.273 | 34.542 | 1.015 | 14.667 |
| 10/15/2016 5:10:00 PM | 241800.000 | 72.287 | 17.994 |
| 164.765 | 28935.770 | 33406.156 | 21.088 |
| 22716.188 | 34.559 | 1.015 | 14.668 |
| 10/15/2016 5:15:00 PM | 242100.000 | 72.287 | 17.994 |
| 164.764 | 28941.373 | 33412.625 | 21.092 |
| 22720.586 | 34.553 | 1.015 | 14.668 |
| 10/15/2016 5:20:00 PM | 242400.000 | 72.283 | 17.995 |
| 164.756 | 28945.342 | 33416.504 | 21.095 |
| 22723.225 | 34.548 | 1.015 | 14.669 |
| 10/15/2016 5:25:00 PM | 242700.000 | 72.282 | 17.994 |
| 164.754 | 28934.590 | 33404.793 | 21.087 |
| 22715.262 | 34.561 | 1.015 | 14.670 |
| 10/15/2016 5:30:00 PM | 243000.000 | 72.280 | 17.993 |
| 164.749 | 28942.301 | 33414.281 | 21.093 |
| 22721.713 | 34.552 | 1.015 | 14.670 |
| 10/15/2016 5:35:00 PM | 243300.000 | 72.282 | 17.994 |
| 164.753 | 28941.051 | 33411.801 | 21.091 |
| 22720.025 | 34.553 | 1.015 | 14.670 |
| 10/15/2016 5:40:00 PM | 243600.000 | 72.278 | 17.994 |
| 164.744 | 28953.156 | 33425.777 | 21.101 |
| 22729.531 | 34.539 | 1.015 | 14.669 |
| 10/15/2016 5:45:00 PM | 243900.000 | 72.276 | 17.994 |
| 164.738 | 28941.445 | 33412.645 | 21.092 |
| 22720.598 | 34.553 | 1.015 | 14.668 |
| 10/15/2016 5:50:00 PM | 244200.000 | 72.275 | 17.994 |
| 164.736 | 28946.443 | 33418.551 | 21.096 |
| 22724.617 | 34.547 | 1.015 | 14.667 |
| 10/15/2016 5:55:00 PM | 244500.000 | 72.279 | 17.994 |
| 164.747 | 28951.059 | 33423.480 | 21.100 |
| 22727.969 | 34.541 | 1.015 | 14.666 |
| 10/15/2016 6:00:00 PM | 244800.000 | 72.282 | 17.994 |
| 164.752 | 28930.887 | 33400.520 | 21.084 |
| 22712.355 | 34.565 | 1.015 | 14.664 |
| 10/15/2016 6:05:00 PM | 245100.000 | 72.280 | 17.994 |
| 164.749 | 28932.328 | 33402.254 | 21.085 |
| 22713.533 | 34.563 | 1.015 | 14.662 |
| 10/15/2016 6:10:00 PM | 245400.000 | 72.275 | 17.993 |

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|---|---|---|---|
| 164.738 | 28942.498 | 33414.242 | 21.093 |
| 22721.688 | 34.551 | 1.015 | 14.660 |
| 10/15/2016 6:15:00 PM | 245700.000 | 72.277 | 17.994 |
| 164.742 | 28924.662 | 33393.402 | 21.079 |
| 22707.514 | 34.573 | 1.015 | 14.659 |
| 10/15/2016 6:20:00 PM | 246000.000 | 72.279 | 17.994 |
| 164.746 | 28948.682 | 33421.133 | 21.098 |
| 22726.371 | 34.544 | 1.015 | 14.659 |
| 10/15/2016 6:25:00 PM | 246300.000 | 72.278 | 17.994 |
| 164.744 | 28928.600 | 33397.684 | 21.082 |
| 22710.426 | 34.568 | 1.015 | 14.660 |
| 10/15/2016 6:30:00 PM | 246600.000 | 72.259 | 17.994 |
| 164.699 | 28947.090 | 33418.973 | 21.096 |
| 22724.902 | 34.546 | 1.015 | 14.660 |
| 10/15/2016 6:35:00 PM | 246900.000 | 72.275 | 17.994 |
| 164.736 | 28944.264 | 33416.031 | 21.094 |
| 22722.904 | 34.549 | 1.015 | 14.661 |
| 10/15/2016 6:40:00 PM | 247200.000 | 72.276 | 17.994 |
| 164.739 | 28939.857 | 33410.621 | 21.091 |
| 22719.223 | 34.554 | 1.015 | 14.662 |
| 10/15/2016 6:45:00 PM | 247500.000 | 72.279 | 17.994 |
| 164.745 | 28958.563 | 33432.020 | 21.106 |
| 22733.773 | 34.532 | 1.015 | 14.663 |
| 10/15/2016 6:50:00 PM | 247800.000 | 72.269 | 17.994 |
| 164.724 | 28954.217 | 33427.391 | 21.102 |
| 22730.625 | 34.537 | 1.015 | 14.663 |
| 10/15/2016 6:55:00 PM | 248100.000 | 72.280 | 17.994 |
| 164.749 | 28939.537 | 33410.313 | 21.090 |
| 22719.016 | 34.555 | 1.015 | 14.662 |
| 10/15/2016 7:00:00 PM | 248400.000 | 72.273 | 17.993 |
| 164.733 | 28949.990 | 33422.895 | 21.099 |
| 22727.570 | 34.542 | 1.015 | 14.662 |
| 10/15/2016 7:05:00 PM | 248700.000 | 72.278 | 17.993 |
| 164.744 | 28957.986 | 33432.000 | 21.105 |
| 22733.762 | 34.533 | 1.015 | 14.661 |
| 10/15/2016 7:10:00 PM | 249000.000 | 72.280 | 17.994 |
| 164.749 | 28934.473 | 33404.730 | 21.087 |
| 22715.217 | 34.561 | 1.015 | 14.660 |
| 10/15/2016 7:15:00 PM | 249300.000 | 72.282 | 17.995 |
| 164.752 | 28942.979 | 33413.898 | 21.093 |
| 22721.453 | 34.551 | 1.015 | 14.660 |
| 10/15/2016 7:20:00 PM | 249600.000 | 72.277 | 17.994 |
| 164.741 | 28953.451 | 33426.316 | 21.102 |
| 22729.896 | 34.538 | 1.015 | 14.658 |
| 10/15/2016 7:25:00 PM | 249900.000 | 72.283 | 17.994 |
| 164.755 | 28944.871 | 33416.664 | 21.095 |
| 22723.334 | 34.548 | 1.015 | 14.657 |
| 10/15/2016 7:30:00 PM | 250200.000 | 72.287 | 17.994 |
| 164.764 | 28959.736 | 33433.500 | 21.107 |
| 22734.781 | 34.531 | 1.015 | 14.655 |
| 10/15/2016 7:35:00 PM | 250500.000 | 72.288 | 17.994 |
| 164.766 | 28933.545 | 33403.715 | 21.086 |
| 22714.527 | 34.562 | 1.015 | 14.658 |
| 10/15/2016 7:40:00 PM | 250800.000 | 72.287 | 17.994 |

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|---|---|---|---|
| 164.765 | 28943.785 | 33415.277 | 21.094 |
| 22722.389 | 34.550 | 1.015 | 14.660 |
| 10/15/2016 7:45:00 PM | 251100.000 | 72.291 | 17.994 |
| 164.774 | 28953.150 | 33425.707 | 21.101 |
| 22729.480 | 34.539 | 1.015 | 14.662 |
| 10/15/2016 7:50:00 PM | 251400.000 | 72.290 | 17.994 |
| 164.772 | 28944.564 | 33416.438 | 21.095 |
| 22723.180 | 34.549 | 1.015 | 14.664 |
| 10/15/2016 7:55:00 PM | 251700.000 | 72.282 | 17.994 |
| 164.753 | 28945.457 | 33416.957 | 21.095 |
| 22723.531 | 34.548 | 1.015 | 14.665 |
| 10/15/2016 8:00:00 PM | 252000.000 | 72.289 | 17.993 |
| 164.770 | 28920.941 | 33389.293 | 21.076 |
| 22704.719 | 34.577 | 1.015 | 14.667 |
| 10/15/2016 8:05:00 PM | 252300.000 | 72.292 | 17.994 |
| 164.775 | 28933.512 | 33403.223 | 21.086 |
| 22714.193 | 34.562 | 1.015 | 14.667 |
| 10/15/2016 8:10:00 PM | 252600.000 | 72.292 | 17.993 |
| 164.776 | 28939.439 | 33410.648 | 21.091 |
| 22719.242 | 34.555 | 1.015 | 14.666 |
| 10/15/2016 8:15:00 PM | 252900.000 | 72.298 | 17.995 |
| 164.790 | 28950.709 | 33422.824 | 21.099 |
| 22727.521 | 34.541 | 1.015 | 14.666 |
| 10/15/2016 8:20:00 PM | 253200.000 | 72.295 | 17.993 |
| 164.783 | 28945.012 | 33417.219 | 21.095 |
| 22723.711 | 34.548 | 1.015 | 14.667 |
| 10/15/2016 8:25:00 PM | 253500.000 | 72.291 | 17.994 |
| 164.774 | 28932.393 | 33402.195 | 21.085 |
| 22713.494 | 34.563 | 1.015 | 14.669 |
| 10/15/2016 8:30:00 PM | 253800.000 | 72.297 | 17.994 |
| 164.788 | 28957.180 | 33430.813 | 21.105 |
| 22732.953 | 34.534 | 1.015 | 14.670 |
| 10/15/2016 8:35:00 PM | 254100.000 | 72.297 | 17.994 |
| 164.787 | 28949.125 | 33421.574 | 21.098 |
| 22726.672 | 34.543 | 1.015 | 14.668 |
| 10/15/2016 8:40:00 PM | 254400.000 | 72.302 | 17.994 |
| 164.799 | 28944.756 | 33416.469 | 21.095 |
| 22723.199 | 34.549 | 1.015 | 14.665 |
| 10/15/2016 8:45:00 PM | 254700.000 | 72.310 | 17.993 |
| 164.817 | 28939.975 | 33411.207 | 21.091 |
| 22719.621 | 34.554 | 1.015 | 14.663 |
| 10/15/2016 8:50:00 PM | 255000.000 | 72.310 | 17.994 |
| 164.816 | 28949.070 | 33421.449 | 21.098 |
| 22726.588 | 34.543 | 1.015 | 14.666 |
| 10/15/2016 8:55:00 PM | 255300.000 | 72.312 | 17.994 |
| 164.821 | 28934.850 | 33405.094 | 21.087 |
| 22715.465 | 34.560 | 1.015 | 14.669 |
| 10/15/2016 9:00:00 PM | 255600.000 | 72.306 | 17.994 |
| 164.808 | 28948.342 | 33420.344 | 21.097 |
| 22725.836 | 34.544 | 1.015 | 14.672 |
| 10/15/2016 9:05:00 PM | 255900.000 | 72.315 | 17.994 |
| 164.828 | 28949.420 | 33421.914 | 21.098 |
| 22726.904 | 34.543 | 1.015 | 14.671 |
| 10/15/2016 9:10:00 PM | 256200.000 | 72.318 | 17.994 |

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|---|---|---|---|
| 164.836 | 28957.902 | 33431.379 | 21.105 |
| 22733.340 | 34.533 | 1.015 | 14.671 |
| 10/15/2016 9:15:00 PM | 256500.000 | 72.319 | 17.994 |
| 164.837 | 28939.789 | 33410.602 | 21.091 |
| 22719.209 | 34.555 | 1.015 | 14.670 |
| 10/15/2016 9:20:00 PM | 256800.000 | 72.321 | 17.994 |
| 164.842 | 28931.791 | 33401.430 | 21.084 |
| 22712.975 | 34.564 | 1.015 | 14.668 |
| 10/15/2016 9:25:00 PM | 257100.000 | 72.325 | 17.994 |
| 164.851 | 28943.518 | 33414.848 | 21.094 |
| 22722.098 | 34.550 | 1.015 | 14.666 |
| 10/15/2016 9:30:00 PM | 257400.000 | 72.333 | 17.994 |
| 164.868 | 28943.910 | 33415.301 | 21.094 |
| 22722.404 | 34.550 | 1.015 | 14.664 |
| 10/15/2016 9:35:00 PM | 257700.000 | 72.336 | 17.994 |
| 164.876 | 28944.996 | 33416.676 | 21.095 |
| 22723.342 | 34.548 | 1.015 | 14.666 |
| 10/15/2016 9:40:00 PM | 258000.000 | 72.340 | 17.994 |
| 164.885 | 28943.324 | 33414.625 | 21.093 |
| 22721.947 | 34.550 | 1.015 | 14.667 |
| 10/15/2016 9:45:00 PM | 258300.000 | 72.346 | 17.994 |
| 164.899 | 28943.762 | 33414.930 | 21.094 |
| 22722.152 | 34.550 | 1.015 | 14.669 |
| 10/15/2016 9:50:00 PM | 258600.000 | 72.340 | 17.993 |
| 164.885 | 28942.061 | 33413.613 | 21.093 |
| 22721.258 | 34.552 | 1.015 | 14.672 |
| 10/15/2016 9:55:00 PM | 258900.000 | 72.346 | 17.995 |
| 164.899 | 28943.387 | 33414.301 | 21.093 |
| 22721.725 | 34.550 | 1.015 | 14.676 |
| 10/15/2016 10:00:00 PM | 259200.000 | 72.344 | 17.994 |
| 164.894 | 28944.045 | 33415.516 | 21.094 |
| 22722.551 | 34.549 | 1.015 | 14.679 |
| 10/15/2016 10:05:00 PM | 259500.000 | 72.346 | 17.994 |
| 164.898 | 28942.750 | 33414.215 | 21.093 |
| 22721.666 | 34.551 | 1.015 | 14.677 |
| 10/15/2016 10:10:00 PM | 259800.000 | 72.348 | 17.994 |
| 164.904 | 28947.529 | 33419.730 | 21.097 |
| 22725.416 | 34.545 | 1.015 | 14.674 |
| 10/15/2016 10:15:00 PM | 260100.000 | 72.354 | 17.994 |
| 164.917 | 28934.482 | 33404.668 | 21.087 |
| 22715.176 | 34.561 | 1.015 | 14.672 |
| 10/15/2016 10:20:00 PM | 260400.000 | 72.362 | 17.994 |
| 164.934 | 28938.156 | 33408.980 | 21.089 |
| 22718.109 | 34.556 | 1.015 | 14.671 |
| 10/15/2016 10:25:00 PM | 260700.000 | 72.361 | 17.994 |
| 164.933 | 28956.965 | 33430.297 | 21.104 |
| 22732.604 | 34.534 | 1.015 | 14.670 |
| 10/15/2016 10:30:00 PM | 261000.000 | 72.363 | 17.994 |
| 164.938 | 28950.342 | 33422.785 | 21.099 |
| 22727.496 | 34.542 | 1.015 | 14.669 |
| 10/15/2016 10:35:00 PM | 261300.000 | 72.367 | 17.994 |
| 164.947 | 28946.854 | 33418.500 | 21.096 |
| 22724.580 | 34.546 | 1.015 | 14.670 |
| 10/15/2016 10:40:00 PM | 261600.000 | 72.371 | 17.994 |

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|---|---|---|---|
| 164.957 | 28941.461 | 33412.344 | 21.092 |
| 22720.396 | 34.553 | 1.015 | 14.671 |
| 10/15/2016 10:45:00 PM | 261900.000 | 72.349 | 17.994 |
| 164.906 | 28933.516 | 33403.422 | 21.086 |
| 22714.326 | 34.562 | 1.015 | 14.672 |
| 10/15/2016 10:50:00 PM | 262200.000 | 72.353 | 17.994 |
| 164.915 | 28926.414 | 33394.902 | 21.080 |
| 22708.535 | 34.570 | 1.015 | 14.671 |
| 10/15/2016 10:55:00 PM | 262500.000 | 72.376 | 17.994 |
| 164.968 | 28935.652 | 33405.637 | 21.087 |
| 22715.836 | 34.559 | 1.015 | 14.670 |
| 10/15/2016 11:00:00 PM | 262800.000 | 72.360 | 17.994 |
| 164.930 | 28940.193 | 33411.262 | 21.091 |
| 22719.660 | 34.554 | 1.015 | 14.670 |
| 10/15/2016 11:05:00 PM | 263100.000 | 72.367 | 17.994 |
| 164.946 | 28941.900 | 33413.234 | 21.092 |
| 22721.000 | 34.552 | 1.015 | 14.670 |
| 10/15/2016 11:10:00 PM | 263400.000 | 72.385 | 17.994 |
| 164.988 | 28933.883 | 33403.848 | 21.086 |
| 22714.619 | 34.562 | 1.015 | 14.671 |
| 10/15/2016 11:15:00 PM | 263700.000 | 72.384 | 17.993 |
| 164.986 | 28923.314 | 33391.973 | 21.078 |
| 22706.543 | 34.574 | 1.015 | 14.671 |
| 10/15/2016 11:20:00 PM | 264000.000 | 72.369 | 17.993 |
| 164.950 | 28929.113 | 33398.863 | 21.082 |
| 22711.227 | 34.567 | 1.015 | 14.673 |
| 10/15/2016 11:25:00 PM | 264300.000 | 72.390 | 17.994 |
| 164.998 | 28925.063 | 33393.664 | 21.079 |
| 22707.693 | 34.572 | 1.015 | 14.674 |
| 10/15/2016 11:30:00 PM | 264600.000 | 72.388 | 17.994 |
| 164.993 | 28948.410 | 33420.688 | 21.098 |
| 22726.068 | 34.544 | 1.015 | 14.675 |
| 10/15/2016 11:35:00 PM | 264900.000 | 72.390 | 17.994 |
| 164.999 | 28933.201 | 33403.191 | 21.085 |
| 22714.170 | 34.562 | 1.015 | 14.676 |
| 10/15/2016 11:40:00 PM | 265200.000 | 72.386 | 17.994 |
| 164.991 | 28934.752 | 33404.848 | 21.087 |
| 22715.297 | 34.561 | 1.015 | 14.676 |
| 10/15/2016 11:45:00 PM | 265500.000 | 72.392 | 17.994 |
| 165.004 | 28928.689 | 33397.598 | 21.082 |
| 22710.369 | 34.568 | 1.015 | 14.677 |
| 10/15/2016 11:50:00 PM | 265800.000 | 72.395 | 17.994 |
| 165.010 | 28940.205 | 33411.215 | 21.091 |
| 22719.627 | 34.554 | 1.015 | 14.677 |
| 10/15/2016 11:55:00 PM | 266100.000 | 72.396 | 17.994 |
| 165.012 | 28928.727 | 33398.023 | 21.082 |
| 22710.656 | 34.568 | 1.015 | 14.678 |
| 10/16/2016 12:00:00 AM | 266400.000 | 72.397 | 17.993 |
| 165.015 | 28938.012 | 33408.938 | 21.089 |
| 22718.078 | 34.557 | 1.015 | 14.678 |
| 10/16/2016 12:05:00 AM | 266700.000 | 72.394 | 17.994 |
| 165.007 | 28922.094 | 33390.172 | 21.076 |
| 22705.316 | 34.576 | 1.015 | 14.678 |
| 10/16/2016 12:10:00 AM | 267000.000 | 72.398 | 17.994 |

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|---|---|---|---|
| 165.018 | 28942.295 | 33413.688 | 21.093 |
| 22721.311 | 34.552 | 1.015 | 14.677 |
| 10/16/2016 12:15:00 AM | 267300.000 | 72.399 | 17.994 |
| 165.019 | 28931.295 | 33400.664 | 21.084 |
| 22712.451 | 34.565 | 1.015 | 14.677 |
| 10/16/2016 12:20:00 AM | 267600.000 | 72.399 | 17.994 |
| 165.019 | 28911.582 | 33378.230 | 21.068 |
| 22697.199 | 34.588 | 1.015 | 14.678 |
| 10/16/2016 12:25:00 AM | 267900.000 | 72.402 | 17.994 |
| 165.026 | 28937.988 | 33408.656 | 21.089 |
| 22717.889 | 34.557 | 1.015 | 14.680 |
| 10/16/2016 12:30:00 AM | 268200.000 | 72.398 | 17.995 |
| 165.018 | 28931.809 | 33400.879 | 21.084 |
| 22712.600 | 34.564 | 1.015 | 14.681 |
| 10/16/2016 12:35:00 AM | 268500.000 | 72.397 | 17.994 |
| 165.014 | 28936.287 | 33406.301 | 21.088 |
| 22716.285 | 34.559 | 1.015 | 14.682 |
| 10/16/2016 12:40:00 AM | 268800.000 | 72.399 | 17.993 |
| 165.019 | 28942.205 | 33413.781 | 21.093 |
| 22721.373 | 34.552 | 1.015 | 14.683 |
| 10/16/2016 12:45:00 AM | 269100.000 | 72.394 | 17.994 |
| 165.009 | 28929.088 | 33397.992 | 21.082 |
| 22710.637 | 34.567 | 1.015 | 14.684 |
| 10/16/2016 12:50:00 AM | 269400.000 | 72.401 | 17.994 |
| 165.025 | 28942.189 | 33413.637 | 21.093 |
| 22721.275 | 34.552 | 1.015 | 14.684 |
| 10/16/2016 12:55:00 AM | 269700.000 | 72.404 | 17.994 |
| 165.031 | 28932.051 | 33401.730 | 21.084 |
| 22713.178 | 34.564 | 1.015 | 14.684 |
| 10/16/2016 1:00:00 AM | 270000.000 | 72.399 | 17.995 |
| 165.020 | 28923.541 | 33391.008 | 21.077 |
| 22705.885 | 34.574 | 1.015 | 14.683 |
| 10/16/2016 1:05:00 AM | 270300.000 | 72.400 | 17.995 |
| 165.022 | 28932.852 | 33402.137 | 21.085 |
| 22713.453 | 34.563 | 1.015 | 14.682 |
| 10/16/2016 1:10:00 AM | 270600.000 | 72.379 | 17.994 |
| 164.975 | 28942.699 | 33414.285 | 21.093 |
| 22721.717 | 34.551 | 1.015 | 14.681 |
| 10/16/2016 1:15:00 AM | 270900.000 | 72.402 | 17.994 |
| 165.027 | 28914.852 | 33382.004 | 21.071 |
| 22699.764 | 34.584 | 1.015 | 14.680 |
| 10/16/2016 1:20:00 AM | 271200.000 | 72.401 | 17.994 |
| 165.024 | 28934.422 | 33404.406 | 21.086 |
| 22714.996 | 34.561 | 1.015 | 14.681 |
| 10/16/2016 1:25:00 AM | 271500.000 | 72.401 | 17.994 |
| 165.025 | 28950.527 | 33422.867 | 21.099 |
| 22727.553 | 34.542 | 1.015 | 14.681 |
| 10/16/2016 1:30:00 AM | 271800.000 | 72.400 | 17.994 |
| 165.021 | 28935.236 | 33405.348 | 21.087 |
| 22715.637 | 34.560 | 1.015 | 14.682 |
| 10/16/2016 1:35:00 AM | 272100.000 | 72.405 | 17.993 |
| 165.033 | 28937.260 | 33408.070 | 21.089 |
| 22717.488 | 34.558 | 1.015 | 14.682 |
| 10/16/2016 1:40:00 AM | 272400.000 | 72.393 | 17.995 |

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|---|---|---|---|
| 165.006 | 28928.027 | 33396.570 | 21.081 |
| 22709.670 | 34.569 | 1.015 | 14.682 |
| 10/16/2016 1:45:00 AM | 272700.000 | 72.397 | 17.994 |
| 165.016 | 28923.002 | 33391.414 | 21.077 |
| 22706.164 | 34.575 | 1.015 | 14.682 |
| 10/16/2016 1:50:00 AM | 273000.000 | 72.396 | 17.995 |
| 165.013 | 28921.787 | 33389.434 | 21.076 |
| 22704.814 | 34.576 | 1.015 | 14.683 |
| 10/16/2016 1:55:00 AM | 273300.000 | 72.377 | 17.995 |
| 164.970 | 28944.520 | 33415.676 | 21.094 |
| 22722.662 | 34.549 | 1.015 | 14.685 |
| 10/16/2016 2:00:00 AM | 273600.000 | 72.395 | 17.994 |
| 165.011 | 28925.955 | 33394.441 | 21.079 |
| 22708.221 | 34.571 | 1.015 | 14.686 |
| 10/16/2016 2:05:00 AM | 273900.000 | 72.392 | 17.994 |
| 165.004 | 28930.309 | 33399.598 | 21.083 |
| 22711.727 | 34.566 | 1.015 | 14.685 |
| 10/16/2016 2:10:00 AM | 274200.000 | 72.395 | 17.994 |
| 165.010 | 28918.564 | 33386.098 | 21.074 |
| 22702.547 | 34.580 | 1.015 | 14.684 |
| 10/16/2016 2:15:00 AM | 274500.000 | 72.389 | 17.994 |
| 164.996 | 28919.729 | 33387.188 | 21.074 |
| 22703.289 | 34.578 | 1.015 | 14.684 |
| 10/16/2016 2:20:00 AM | 274800.000 | 72.370 | 17.994 |
| 164.953 | 28911.506 | 33377.816 | 21.068 |
| 22696.916 | 34.588 | 1.015 | 14.683 |
| 10/16/2016 2:25:00 AM | 275100.000 | 72.388 | 17.994 |
| 164.995 | 28925.301 | 33393.684 | 21.079 |
| 22707.707 | 34.572 | 1.015 | 14.682 |
| 10/16/2016 2:30:00 AM | 275400.000 | 72.389 | 17.994 |
| 164.997 | 28939.867 | 33410.957 | 21.091 |
| 22719.451 | 34.554 | 1.015 | 14.682 |
| 10/16/2016 2:35:00 AM | 275700.000 | 72.388 | 17.994 |
| 164.995 | 28919.602 | 33387.238 | 21.074 |
| 22703.324 | 34.579 | 1.015 | 14.682 |
| 10/16/2016 2:40:00 AM | 276000.000 | 72.387 | 17.994 |
| 164.992 | 28946.146 | 33417.684 | 21.096 |
| 22724.025 | 34.547 | 1.015 | 14.683 |
| 10/16/2016 2:45:00 AM | 276300.000 | 72.386 | 17.994 |
| 164.990 | 28932.324 | 33402.117 | 21.085 |
| 22713.439 | 34.563 | 1.015 | 14.684 |
| 10/16/2016 2:50:00 AM | 276600.000 | 72.384 | 17.994 |
| 164.986 | 28934.619 | 33404.574 | 21.086 |
| 22715.113 | 34.561 | 1.015 | 14.682 |
| 10/16/2016 2:55:00 AM | 276900.000 | 72.384 | 17.995 |
| 164.985 | 28938.754 | 33408.898 | 21.089 |
| 22718.053 | 34.556 | 1.015 | 14.680 |
| 10/16/2016 3:00:00 AM | 277200.000 | 72.382 | 17.994 |
| 164.982 | 28924.725 | 33393.531 | 21.079 |
| 22707.604 | 34.572 | 1.015 | 14.678 |
| 10/16/2016 3:05:00 AM | 277500.000 | 72.380 | 17.994 |
| 164.976 | 28924.035 | 33392.094 | 21.078 |
| 22706.625 | 34.573 | 1.015 | 14.679 |
| 10/16/2016 3:10:00 AM | 277800.000 | 72.378 | 17.994 |

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| 164.971 | 28935.053 | 33404.816 | 21.087 |
| 22715.277 | 34.560 | 1.015 | 14.680 |
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| 164.972 | 28932.693 | 33402.473 | 21.085 |
| 22713.682 | 34.563 | 1.015 | 14.681 |
| 10/16/2016 3:20:00 AM | 278400.000 | 72.382 | 17.994 |
| 164.981 | 28932.828 | 33402.246 | 21.085 |
| 22713.527 | 34.563 | 1.015 | 14.678 |
| 10/16/2016 3:25:00 AM | 278700.000 | 72.365 | 17.993 |
| 164.943 | 28952.051 | 33425.148 | 21.101 |
| 22729.104 | 34.540 | 1.015 | 14.675 |
| 10/16/2016 3:30:00 AM | 279000.000 | 72.380 | 17.994 |
| 164.975 | 28933.313 | 33403.125 | 21.085 |
| 22714.127 | 34.562 | 1.015 | 14.673 |
| 10/16/2016 3:35:00 AM | 279300.000 | 72.376 | 17.994 |
| 164.966 | 28935.389 | 33405.785 | 21.087 |
| 22715.936 | 34.560 | 1.015 | 14.673 |
| 10/16/2016 3:40:00 AM | 279600.000 | 72.373 | 17.994 |
| 164.962 | 28929.049 | 33398.336 | 21.082 |
| 22710.871 | 34.567 | 1.015 | 14.673 |
| 10/16/2016 3:45:00 AM | 279900.000 | 72.372 | 17.994 |
| 164.957 | 28949.590 | 33422.184 | 21.099 |
| 22727.088 | 34.543 | 1.015 | 14.673 |
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| 164.958 | 28933.758 | 33403.770 | 21.086 |
| 22714.564 | 34.562 | 1.015 | 14.674 |
| 10/16/2016 3:55:00 AM | 280500.000 | 72.366 | 17.994 |
| 164.945 | 28930.768 | 33400.055 | 21.083 |
| 22712.037 | 34.565 | 1.015 | 14.674 |
| 10/16/2016 4:00:00 AM | 280800.000 | 72.366 | 17.994 |
| 164.945 | 28933.057 | 33402.961 | 21.085 |
| 22714.014 | 34.563 | 1.015 | 14.674 |
| 10/16/2016 4:05:00 AM | 281100.000 | 72.364 | 17.994 |
| 164.940 | 28942.672 | 33413.992 | 21.093 |
| 22721.518 | 34.551 | 1.015 | 14.674 |
| 10/16/2016 4:10:00 AM | 281400.000 | 72.364 | 17.994 |
| 164.939 | 28931.020 | 33400.289 | 21.083 |
| 22712.199 | 34.565 | 1.015 | 14.674 |
| 10/16/2016 4:15:00 AM | 281700.000 | 72.360 | 17.994 |
| 164.931 | 28941.113 | 33412.395 | 21.092 |
| 22720.428 | 34.553 | 1.015 | 14.674 |
| 10/16/2016 4:20:00 AM | 282000.000 | 72.342 | 17.994 |
| 164.889 | 28933.621 | 33403.480 | 21.086 |
| 22714.369 | 34.562 | 1.015 | 14.672 |
| 10/16/2016 4:25:00 AM | 282300.000 | 72.360 | 17.994 |
| 164.930 | 28949.049 | 33421.160 | 21.098 |
| 22726.389 | 34.543 | 1.015 | 14.670 |
| 10/16/2016 4:30:00 AM | 282600.000 | 72.358 | 17.994 |
| 164.927 | 28929.850 | 33399.129 | 21.083 |
| 22711.408 | 34.566 | 1.015 | 14.668 |
| 10/16/2016 4:35:00 AM | 282900.000 | 72.355 | 17.994 |
| 164.920 | 28941.061 | 33412.012 | 21.092 |
| 22720.170 | 34.553 | 1.015 | 14.670 |
| 10/16/2016 4:40:00 AM | 283200.000 | 72.357 | 17.994 |

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| 164.923 | 28949.326 | 33421.422 | 21.098 |
| 22726.568 | 34.543 | 1.015 | 14.671 |
| 10/16/2016 4:45:00 AM | 283500.000 | 72.349 | 17.994 |
| 164.906 | 28933.002 | 33402.578 | 21.085 |
| 22713.754 | 34.563 | 1.015 | 14.672 |
| 10/16/2016 4:50:00 AM | 283800.000 | 72.355 | 17.994 |
| 164.919 | 28924.850 | 33393.484 | 21.079 |
| 22707.570 | 34.572 | 1.015 | 14.672 |
| 10/16/2016 4:55:00 AM | 284100.000 | 72.333 | 17.994 |
| 164.870 | 28940.588 | 33411.656 | 21.091 |
| 22719.928 | 34.554 | 1.015 | 14.672 |
| 10/16/2016 5:00:00 AM | 284400.000 | 72.348 | 17.994 |
| 164.903 | 28941.863 | 33413.129 | 21.092 |
| 22720.928 | 34.552 | 1.015 | 14.672 |
| 10/16/2016 5:05:00 AM | 284700.000 | 72.345 | 17.994 |
| 164.897 | 28917.588 | 33384.910 | 21.073 |
| 22701.740 | 34.581 | 1.015 | 14.672 |
| 10/16/2016 5:10:00 AM | 285000.000 | 72.346 | 17.994 |
| 164.900 | 28936.313 | 33406.332 | 21.088 |
| 22716.309 | 34.559 | 1.015 | 14.672 |
| 10/16/2016 5:15:00 AM | 285300.000 | 72.344 | 17.994 |
| 164.895 | 28920.531 | 33388.309 | 21.075 |
| 22704.053 | 34.578 | 1.015 | 14.673 |
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| 164.897 | 28932.361 | 33402.027 | 21.085 |
| 22713.381 | 34.563 | 1.015 | 14.671 |
| 10/16/2016 5:25:00 AM | 285900.000 | 72.350 | 17.994 |
| 164.909 | 28922.250 | 33390.223 | 21.076 |
| 22705.354 | 34.575 | 1.015 | 14.670 |
| 10/16/2016 5:30:00 AM | 286200.000 | 72.346 | 17.994 |
| 164.898 | 28944.420 | 33416.078 | 21.094 |
| 22722.936 | 34.549 | 1.015 | 14.669 |
| 10/16/2016 5:35:00 AM | 286500.000 | 72.344 | 17.994 |
| 164.895 | 28935.865 | 33406.074 | 21.087 |
| 22716.131 | 34.559 | 1.015 | 14.672 |
| 10/16/2016 5:40:00 AM | 286800.000 | 72.335 | 17.993 |
| 164.873 | 28947.068 | 33419.395 | 21.097 |
| 22725.191 | 34.546 | 1.015 | 14.675 |
| 10/16/2016 5:45:00 AM | 287100.000 | 72.335 | 17.993 |
| 164.874 | 28922.113 | 33390.586 | 21.077 |
| 22705.602 | 34.576 | 1.015 | 14.677 |
| 10/16/2016 5:50:00 AM | 287400.000 | 72.316 | 17.993 |
| 164.830 | 28932.934 | 33403.078 | 21.085 |
| 22714.094 | 34.563 | 1.015 | 14.674 |
| 10/16/2016 5:55:00 AM | 287700.000 | 72.342 | 17.994 |
| 164.889 | 28943.566 | 33415.094 | 21.094 |
| 22722.266 | 34.550 | 1.015 | 14.671 |
| 10/16/2016 6:00:00 AM | 288000.000 | 72.341 | 17.994 |
| 164.887 | 28928.266 | 33397.621 | 21.082 |
| 22710.385 | 34.568 | 1.015 | 14.669 |
| 10/16/2016 6:05:00 AM | 288300.000 | 72.325 | 17.993 |
| 164.852 | 28909.988 | 33376.586 | 21.067 |
| 22696.080 | 34.590 | 1.015 | 14.669 |
| 10/16/2016 6:10:00 AM | 288600.000 | 72.324 | 17.994 |

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| 164.848 | 28937.338 | 33407.965 | 21.089 |
| 22717.416 | 34.557 | 1.015 | 14.668 |
| 10/16/2016 6:15:00 AM | 288900.000 | 72.341 | 17.994 |
| 164.887 | 28940.377 | 33411.148 | 21.091 |
| 22719.584 | 34.554 | 1.015 | 14.668 |
| 10/16/2016 6:20:00 AM | 289200.000 | 72.335 | 17.994 |
| 164.873 | 28915.262 | 33382.285 | 21.071 |
| 22699.957 | 34.584 | 1.015 | 14.668 |
| 10/16/2016 6:25:00 AM | 289500.000 | 72.338 | 17.994 |
| 164.881 | 28919.551 | 33387.504 | 21.075 |
| 22703.502 | 34.579 | 1.015 | 14.668 |
| 10/16/2016 6:30:00 AM | 289800.000 | 72.340 | 17.994 |
| 164.884 | 28931.992 | 33401.867 | 21.085 |
| 22713.270 | 34.564 | 1.015 | 14.668 |
| 10/16/2016 6:35:00 AM | 290100.000 | 72.323 | 17.995 |
| 164.846 | 28946.475 | 33417.809 | 21.096 |
| 22724.109 | 34.547 | 1.015 | 14.670 |
| 10/16/2016 6:40:00 AM | 290400.000 | 72.337 | 17.994 |
| 164.879 | 28926.918 | 33395.484 | 21.080 |
| 22708.932 | 34.570 | 1.015 | 14.672 |
| 10/16/2016 6:45:00 AM | 290700.000 | 72.337 | 17.995 |
| 164.878 | 28912.859 | 33379.125 | 21.069 |
| 22697.805 | 34.587 | 1.015 | 14.675 |
| 10/16/2016 6:50:00 AM | 291000.000 | 72.337 | 17.994 |
| 164.879 | 28929.941 | 33398.977 | 21.083 |
| 22711.305 | 34.566 | 1.015 | 14.672 |
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| 164.890 | 28923.293 | 33392.008 | 21.078 |
| 22706.568 | 34.574 | 1.015 | 14.670 |
| 10/16/2016 7:00:00 AM | 291600.000 | 72.325 | 17.994 |
| 164.851 | 28937.371 | 33407.492 | 21.088 |
| 22717.096 | 34.557 | 1.015 | 14.667 |
| 10/16/2016 7:05:00 AM | 291900.000 | 72.331 | 17.994 |
| 164.865 | 28945.734 | 33417.406 | 21.095 |
| 22723.836 | 34.547 | 1.015 | 14.669 |
| 10/16/2016 7:10:00 AM | 292200.000 | 72.325 | 17.994 |
| 164.851 | 28932.418 | 33402.094 | 21.085 |
| 22713.424 | 34.563 | 1.015 | 14.670 |
| 10/16/2016 7:15:00 AM | 292500.000 | 72.351 | 17.993 |
| 164.910 | 28941.014 | 33412.723 | 21.092 |
| 22720.654 | 34.553 | 1.015 | 14.671 |
| 10/16/2016 7:20:00 AM | 292800.000 | 72.348 | 17.994 |
| 164.904 | 28933.291 | 33403.422 | 21.086 |
| 22714.326 | 34.562 | 1.015 | 14.670 |
| 10/16/2016 7:25:00 AM | 293100.000 | 72.350 | 17.994 |
| 164.908 | 28938.443 | 33409.051 | 21.090 |
| 22718.154 | 34.556 | 1.015 | 14.670 |
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| 164.915 | 28938.543 | 33408.973 | 21.090 |
| 22718.104 | 34.556 | 1.015 | 14.669 |
| 10/16/2016 7:35:00 AM | 293700.000 | 72.360 | 17.994 |
| 164.930 | 28943.385 | 33414.754 | 21.094 |
| 22722.035 | 34.550 | 1.015 | 14.668 |
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| 164.933 | 28938.193 | 33408.699 | 21.089 |
| 22717.916 | 34.556 | 1.015 | 14.667 |
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| 22704.189 | 34.578 | 1.015 | 14.666 |
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| 164.943 | 28920.408 | 33387.910 | 21.075 |
| 22703.781 | 34.578 | 1.015 | 14.665 |
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| 22692.525 | 34.595 | 1.015 | 14.663 |
| 10/16/2016 8:00:00 AM | 295200.000 | 72.350 | 17.994 |
| 164.908 | 28933.730 | 33403.672 | 21.086 |
| 22714.498 | 34.562 | 1.015 | 14.662 |
| 10/16/2016 8:05:00 AM | 295500.000 | 72.373 | 17.994 |
| 164.961 | 28921.973 | 33390.227 | 21.076 |
| 22705.355 | 34.576 | 1.015 | 14.662 |
| 10/16/2016 8:10:00 AM | 295800.000 | 72.376 | 17.994 |
| 164.967 | 28947.258 | 33419.164 | 21.097 |
| 22725.033 | 34.546 | 1.015 | 14.661 |
| 10/16/2016 8:15:00 AM | 296100.000 | 72.381 | 17.993 |
| 164.980 | 28932.730 | 33402.844 | 21.085 |
| 22713.934 | 34.563 | 1.015 | 14.661 |
| 10/16/2016 8:20:00 AM | 296400.000 | 72.382 | 17.993 |
| 164.981 | 28938.492 | 33409.492 | 21.090 |
| 22718.457 | 34.556 | 1.015 | 14.663 |
| 10/16/2016 8:25:00 AM | 296700.000 | 72.382 | 17.994 |
| 164.980 | 28935.773 | 33405.648 | 21.087 |
| 22715.844 | 34.559 | 1.015 | 14.665 |
| 10/16/2016 8:30:00 AM | 297000.000 | 72.381 | 17.994 |
| 164.978 | 28928.754 | 33398.055 | 21.082 |
| 22710.678 | 34.568 | 1.015 | 14.667 |
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| 164.986 | 28939.441 | 33410.395 | 21.090 |
| 22719.068 | 34.555 | 1.015 | 14.667 |
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| 164.993 | 28930.963 | 33400.352 | 21.084 |
| 22712.242 | 34.565 | 1.015 | 14.667 |
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| 164.995 | 28930.521 | 33400.035 | 21.083 |
| 22712.025 | 34.566 | 1.015 | 14.668 |
| 10/16/2016 8:50:00 AM | 298200.000 | 72.397 | 17.994 |
| 165.015 | 28944.291 | 33415.930 | 21.094 |
| 22722.834 | 34.549 | 1.015 | 14.666 |
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| 165.019 | 28918.215 | 33385.887 | 21.073 |
| 22702.404 | 34.580 | 1.015 | 14.664 |
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| 165.027 | 28933.439 | 33403.723 | 21.086 |
| 22714.533 | 34.562 | 1.015 | 14.662 |
| 10/16/2016 9:05:00 AM | 299100.000 | 72.401 | 17.994 |
| 165.024 | 28931.963 | 33401.508 | 21.084 |
| 22713.025 | 34.564 | 1.015 | 14.662 |
| 10/16/2016 9:10:00 AM | 299400.000 | 72.412 | 17.994 |

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| 165.050 | 28925.658 | 33394.418 | 21.079 |
| 22708.207 | 34.571 | 1.015 | 14.661 |
| 10/16/2016 9:15:00 AM | 299700.000 | 72.417 | 17.993 |
| 165.061 | 28925.879 | 33394.934 | 21.080 |
| 22708.555 | 34.571 | 1.015 | 14.661 |
| 10/16/2016 9:20:00 AM | 300000.000 | 72.398 | 17.994 |
| 165.017 | 28923.111 | 33391.090 | 21.077 |
| 22705.941 | 34.574 | 1.015 | 14.662 |
| 10/16/2016 9:25:00 AM | 300300.000 | 72.419 | 17.994 |
| 165.064 | 28911.240 | 33377.965 | 21.068 |
| 22697.016 | 34.589 | 1.015 | 14.663 |
| 10/16/2016 9:30:00 AM | 300600.000 | 72.418 | 17.994 |
| 165.062 | 28922.656 | 33390.824 | 21.077 |
| 22705.762 | 34.575 | 1.015 | 14.664 |
| 10/16/2016 9:35:00 AM | 300900.000 | 72.426 | 17.994 |
| 165.080 | 28925.508 | 33394.309 | 21.079 |
| 22708.131 | 34.572 | 1.015 | 14.664 |
| 10/16/2016 9:40:00 AM | 301200.000 | 72.423 | 17.995 |
| 165.073 | 28918.516 | 33385.531 | 21.073 |
| 22702.164 | 34.580 | 1.015 | 14.664 |
| 10/16/2016 9:45:00 AM | 301500.000 | 72.428 | 17.994 |
| 165.086 | 28938.313 | 33409.164 | 21.090 |
| 22718.232 | 34.556 | 1.015 | 14.663 |
| 10/16/2016 9:50:00 AM | 301800.000 | 72.430 | 17.994 |
| 165.090 | 28937.609 | 33407.766 | 21.089 |
| 22717.283 | 34.557 | 1.015 | 14.664 |
| 10/16/2016 9:55:00 AM | 302100.000 | 72.418 | 17.994 |
| 165.064 | 28920.609 | 33388.270 | 21.075 |
| 22704.025 | 34.577 | 1.015 | 14.664 |
| 10/16/2016 10:00:00 AM | 302400.000 | 72.438 | 17.994 |
| 165.108 | 28944.008 | 33415.668 | 21.094 |
| 22722.656 | 34.549 | 1.015 | 14.664 |
| 10/16/2016 10:05:00 AM | 302700.000 | 72.441 | 17.994 |
| 165.115 | 28921.484 | 33389.531 | 21.076 |
| 22704.881 | 34.576 | 1.015 | 14.664 |
| 10/16/2016 10:10:00 AM | 303000.000 | 72.439 | 17.994 |
| 165.111 | 28916.949 | 33384.176 | 21.072 |
| 22701.240 | 34.582 | 1.015 | 14.665 |
| 10/16/2016 10:15:00 AM | 303300.000 | 72.428 | 17.994 |
| 165.087 | 28930.496 | 33399.617 | 21.083 |
| 22711.740 | 34.566 | 1.015 | 14.665 |
| 10/16/2016 10:20:00 AM | 303600.000 | 72.427 | 17.994 |
| 165.083 | 28929.543 | 33398.582 | 21.082 |
| 22711.037 | 34.567 | 1.015 | 14.663 |
| 10/16/2016 10:25:00 AM | 303900.000 | 72.454 | 17.994 |
| 165.146 | 28923.244 | 33391.441 | 21.077 |
| 22706.180 | 34.574 | 1.015 | 14.661 |
| 10/16/2016 10:30:00 AM | 304200.000 | 72.456 | 17.994 |
| 165.151 | 28932.311 | 33401.836 | 21.085 |
| 22713.250 | 34.563 | 1.015 | 14.660 |
| 10/16/2016 10:35:00 AM | 304500.000 | 72.440 | 17.994 |
| 165.114 | 28915.523 | 33382.590 | 21.071 |
| 22700.162 | 34.583 | 1.015 | 14.659 |
| 10/16/2016 10:40:00 AM | 304800.000 | 72.463 | 17.994 |

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| 165.166 | 28916.336 | 33383.207 | 21.072 |
| 22700.580 | 34.583 | 1.015 | 14.659 |
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| 165.182 | 28925.258 | 33393.828 | 21.079 |
| 22707.805 | 34.572 | 1.015 | 14.659 |
| 10/16/2016 10:50:00 AM | 305400.000 | 72.468 | 17.994 |
| 165.176 | 28920.631 | 33388.680 | 21.075 |
| 22704.305 | 34.577 | 1.015 | 14.659 |
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| 165.132 | 28929.525 | 33398.109 | 21.082 |
| 22710.717 | 34.567 | 1.015 | 14.659 |
| 10/16/2016 11:00:00 AM | 306000.000 | 72.479 | 17.994 |
| 165.203 | 28923.479 | 33391.836 | 21.078 |
| 22706.449 | 34.574 | 1.015 | 14.660 |
| 10/16/2016 11:05:00 AM | 306300.000 | 72.475 | 17.994 |
| 165.193 | 28927.109 | 33395.832 | 21.080 |
| 22709.168 | 34.570 | 1.015 | 14.659 |
| 10/16/2016 11:10:00 AM | 306600.000 | 72.483 | 17.994 |
| 165.211 | 28909.053 | 33374.797 | 21.066 |
| 22694.863 | 34.591 | 1.015 | 14.658 |
| 10/16/2016 11:15:00 AM | 306900.000 | 72.488 | 17.994 |
| 165.223 | 28918.941 | 33386.215 | 21.074 |
| 22702.627 | 34.579 | 1.015 | 14.658 |
| 10/16/2016 11:20:00 AM | 307200.000 | 72.489 | 17.994 |
| 165.225 | 28927.666 | 33396.414 | 21.081 |
| 22709.564 | 34.569 | 1.015 | 14.658 |
| 10/16/2016 11:25:00 AM | 307500.000 | 72.485 | 17.994 |
| 165.217 | 28912.463 | 33379.320 | 21.069 |
| 22697.939 | 34.587 | 1.015 | 14.658 |
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| 165.184 | 28909.680 | 33375.707 | 21.066 |
| 22695.482 | 34.590 | 1.015 | 14.658 |
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| 165.227 | 28932.982 | 33402.426 | 21.085 |
| 22713.652 | 34.563 | 1.015 | 14.658 |
| 10/16/2016 11:40:00 AM | 308400.000 | 72.473 | 17.994 |
| 165.188 | 28926.428 | 33394.988 | 21.080 |
| 22708.594 | 34.570 | 1.015 | 14.658 |
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| 22713.842 | 34.563 | 1.015 | 14.659 |
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| 165.243 | 28924.920 | 33393.438 | 21.079 |
| 22707.539 | 34.572 | 1.015 | 14.657 |
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| 165.200 | 28917.563 | 33384.883 | 21.073 |
| 22701.721 | 34.581 | 1.015 | 14.655 |
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| 165.252 | 28927.449 | 33396.297 | 21.081 |
| 22709.484 | 34.569 | 1.015 | 14.652 |
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| 165.267 | 28932.688 | 33402.535 | 21.085 |
| 22713.727 | 34.563 | 1.015 | 14.651 |
| 10/16/2016 12:10:00 PM | 310200.000 | 72.507 | 17.994 |

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| 22700.873 | 34.582 | 1.015 | 14.649 |
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| 165.275 | 28925.264 | 33393.773 | 21.079 |
| 22707.768 | 34.572 | 1.015 | 14.647 |
| 10/16/2016 12:20:00 PM | 310800.000 | 72.506 | 17.994 |
| 165.263 | 28924.465 | 33392.910 | 21.078 |
| 22707.180 | 34.573 | 1.015 | 14.649 |
| 10/16/2016 12:25:00 PM | 311100.000 | 72.509 | 17.994 |
| 165.270 | 28944.254 | 33415.758 | 21.094 |
| 22722.715 | 34.549 | 1.015 | 14.650 |
| 10/16/2016 12:30:00 PM | 311400.000 | 72.512 | 17.994 |
| 165.276 | 28934.820 | 33404.867 | 21.087 |
| 22715.311 | 34.560 | 1.015 | 14.652 |
| 10/16/2016 12:35:00 PM | 311700.000 | 72.512 | 17.995 |
| 165.277 | 28934.086 | 33403.633 | 21.086 |
| 22714.473 | 34.561 | 1.015 | 14.652 |
| 10/16/2016 12:40:00 PM | 312000.000 | 72.506 | 17.994 |
| 165.263 | 28917.924 | 33385.227 | 21.073 |
| 22701.955 | 34.581 | 1.015 | 14.653 |
| 10/16/2016 12:45:00 PM | 312300.000 | 72.503 | 17.994 |
| 165.258 | 28922.758 | 33391.070 | 21.077 |
| 22705.930 | 34.575 | 1.015 | 14.653 |
| 10/16/2016 12:50:00 PM | 312600.000 | 72.504 | 17.995 |
| 165.259 | 28921.502 | 33389.105 | 21.076 |
| 22704.594 | 34.576 | 1.015 | 14.652 |
| 10/16/2016 12:55:00 PM | 312900.000 | 72.506 | 17.994 |
| 165.264 | 28923.553 | 33391.668 | 21.077 |
| 22706.336 | 34.574 | 1.015 | 14.652 |
| 10/16/2016 1:00:00 PM | 313200.000 | 72.504 | 17.994 |
| 165.258 | 28922.662 | 33390.891 | 21.077 |
| 22705.809 | 34.575 | 1.015 | 14.652 |
| 10/16/2016 1:05:00 PM | 313500.000 | 72.504 | 17.994 |
| 165.259 | 28926.713 | 33395.699 | 21.080 |
| 22709.078 | 34.570 | 1.015 | 14.649 |
| 10/16/2016 1:10:00 PM | 313800.000 | 72.508 | 17.994 |
| 165.269 | 28917.746 | 33385.215 | 21.073 |
| 22701.947 | 34.581 | 1.015 | 14.647 |
| 10/16/2016 1:15:00 PM | 314100.000 | 72.513 | 17.995 |
| 165.279 | 28926.988 | 33395.438 | 21.080 |
| 22708.900 | 34.570 | 1.015 | 14.645 |
| 10/16/2016 1:20:00 PM | 314400.000 | 72.506 | 17.994 |
| 165.263 | 28927.914 | 33396.574 | 21.081 |
| 22709.672 | 34.569 | 1.015 | 14.648 |
| 10/16/2016 1:25:00 PM | 314700.000 | 72.502 | 17.995 |
| 165.254 | 28931.090 | 33400.172 | 21.083 |
| 22712.117 | 34.565 | 1.015 | 14.651 |
| 10/16/2016 1:30:00 PM | 315000.000 | 72.494 | 17.995 |
| 165.237 | 28925.809 | 33393.625 | 21.079 |
| 22707.666 | 34.571 | 1.015 | 14.654 |
| 10/16/2016 1:35:00 PM | 315300.000 | 72.503 | 17.994 |
| 165.257 | 28917.525 | 33384.707 | 21.073 |
| 22701.604 | 34.581 | 1.015 | 14.650 |
| 10/16/2016 1:40:00 PM | 315600.000 | 72.501 | 17.995 |

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|---|---|---|---|
| 165.251 | 28934.838 | 33404.500 | 21.086 |
| 22715.061 | 34.560 | 1.015 | 14.645 |
| 10/16/2016 1:45:00 PM | 315900.000 | 72.504 | 17.994 |
| 165.259 | 28935.088 | 33404.855 | 21.087 |
| 22715.303 | 34.560 | 1.015 | 14.641 |
| 10/16/2016 1:50:00 PM | 316200.000 | 72.499 | 17.994 |
| 165.249 | 28933.563 | 33403.156 | 21.085 |
| 22714.148 | 34.562 | 1.015 | 14.640 |
| 10/16/2016 1:55:00 PM | 316500.000 | 72.497 | 17.994 |
| 165.244 | 28928.387 | 33397.379 | 21.081 |
| 22710.221 | 34.568 | 1.015 | 14.638 |
| 10/16/2016 2:00:00 PM | 316800.000 | 72.498 | 17.995 |
| 165.245 | 28914.479 | 33380.996 | 21.070 |
| 22699.080 | 34.585 | 1.015 | 14.636 |
| 10/16/2016 2:05:00 PM | 317100.000 | 72.498 | 17.994 |
| 165.246 | 28929.719 | 33398.918 | 21.083 |
| 22711.266 | 34.567 | 1.015 | 14.635 |
| 10/16/2016 2:10:00 PM | 317400.000 | 72.498 | 17.994 |
| 165.244 | 28924.355 | 33392.652 | 21.078 |
| 22707.004 | 34.573 | 1.015 | 14.634 |
| 10/16/2016 2:15:00 PM | 317700.000 | 72.493 | 17.994 |
| 165.235 | 28917.422 | 33384.461 | 21.072 |
| 22701.436 | 34.581 | 1.015 | 14.632 |
| 10/16/2016 2:20:00 PM | 318000.000 | 72.497 | 17.995 |
| 165.242 | 28898.877 | 33362.598 | 21.057 |
| 22686.566 | 34.603 | 1.015 | 14.632 |
| 10/16/2016 2:25:00 PM | 318300.000 | 72.488 | 17.994 |
| 165.223 | 28911.977 | 33378.176 | 21.068 |
| 22697.160 | 34.588 | 1.015 | 14.631 |
| 10/16/2016 2:30:00 PM | 318600.000 | 72.474 | 17.995 |
| 165.189 | 28917.229 | 33384.102 | 21.072 |
| 22701.191 | 34.581 | 1.015 | 14.630 |
| 10/16/2016 2:35:00 PM | 318900.000 | 72.487 | 17.995 |
| 165.220 | 28921.578 | 33389.191 | 21.076 |
| 22704.650 | 34.576 | 1.015 | 14.632 |
| 10/16/2016 2:40:00 PM | 319200.000 | 72.481 | 17.994 |
| 165.207 | 28934.576 | 33404.449 | 21.086 |
| 22715.027 | 34.561 | 1.015 | 14.634 |
| 10/16/2016 2:45:00 PM | 319500.000 | 72.478 | 17.994 |
| 165.199 | 28918.545 | 33385.887 | 21.073 |
| 22702.404 | 34.580 | 1.015 | 14.636 |
| 10/16/2016 2:50:00 PM | 319800.000 | 72.478 | 17.995 |
| 165.199 | 28911.355 | 33377.391 | 21.068 |
| 22696.627 | 34.588 | 1.015 | 14.634 |
| 10/16/2016 2:55:00 PM | 320100.000 | 72.477 | 17.995 |
| 165.197 | 28920.582 | 33387.918 | 21.075 |
| 22703.787 | 34.577 | 1.015 | 14.632 |
| 10/16/2016 3:00:00 PM | 320400.000 | 72.473 | 17.994 |
| 165.188 | 28915.803 | 33382.719 | 21.071 |
| 22700.248 | 34.583 | 1.015 | 14.631 |
| 10/16/2016 3:05:00 PM | 320700.000 | 72.473 | 17.995 |
| 165.189 | 28921.305 | 33388.684 | 21.075 |
| 22704.305 | 34.577 | 1.015 | 14.633 |
| 10/16/2016 3:10:00 PM | 321000.000 | 72.464 | 17.994 |

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|---|---|---|---|
| 165.168 | 28917.977 | 33385.359 | 21.073 |
| 22702.045 | 34.581 | 1.015 | 14.635 |
| 10/16/2016 3:15:00 PM | 321300.000 | 72.463 | 17.995 |
| 165.165 | 28908.678 | 33374.039 | 21.065 |
| 22694.350 | 34.592 | 1.015 | 14.638 |
| 10/16/2016 3:20:00 PM | 321600.000 | 72.464 | 17.994 |
| 165.169 | 28912.270 | 33378.832 | 21.069 |
| 22697.607 | 34.587 | 1.015 | 14.636 |
| 10/16/2016 3:25:00 PM | 321900.000 | 72.460 | 17.994 |
| 165.159 | 28921.764 | 33389.602 | 21.076 |
| 22704.932 | 34.576 | 1.015 | 14.634 |
| 10/16/2016 3:30:00 PM | 322200.000 | 72.439 | 17.995 |
| 165.111 | 28925.500 | 33393.461 | 21.079 |
| 22707.555 | 34.572 | 1.015 | 14.633 |
| 10/16/2016 3:35:00 PM | 322500.000 | 72.456 | 17.995 |
| 165.150 | 28916.830 | 33383.520 | 21.072 |
| 22700.795 | 34.582 | 1.015 | 14.633 |
| 10/16/2016 3:40:00 PM | 322800.000 | 72.449 | 17.995 |
| 165.133 | 28919.492 | 33386.590 | 21.074 |
| 22702.883 | 34.579 | 1.015 | 14.634 |
| 10/16/2016 3:45:00 PM | 323100.000 | 72.447 | 17.994 |
| 165.129 | 28925.000 | 33393.273 | 21.079 |
| 22707.426 | 34.572 | 1.015 | 14.635 |
| 10/16/2016 3:50:00 PM | 323400.000 | 72.448 | 17.994 |
| 165.130 | 28926.832 | 33395.387 | 21.080 |
| 22708.863 | 34.570 | 1.015 | 14.633 |
| 10/16/2016 3:55:00 PM | 323700.000 | 72.443 | 17.994 |
| 165.120 | 28946.672 | 33418.547 | 21.096 |
| 22724.613 | 34.546 | 1.015 | 14.632 |
| 10/16/2016 4:00:00 PM | 324000.000 | 72.421 | 17.994 |
| 165.070 | 28920.283 | 33387.895 | 21.075 |
| 22703.768 | 34.578 | 1.015 | 14.631 |
| 10/16/2016 4:05:00 PM | 324300.000 | 72.438 | 17.994 |
| 165.108 | 28918.971 | 33386.699 | 21.074 |
| 22702.955 | 34.579 | 1.015 | 14.632 |
| 10/16/2016 4:10:00 PM | 324600.000 | 72.434 | 17.994 |
| 165.100 | 28919.293 | 33386.621 | 21.074 |
| 22702.904 | 34.579 | 1.015 | 14.633 |
| 10/16/2016 4:15:00 PM | 324900.000 | 72.430 | 17.994 |
| 165.089 | 28924.164 | 33392.430 | 21.078 |
| 22706.852 | 34.573 | 1.015 | 14.635 |
| 10/16/2016 4:20:00 PM | 325200.000 | 72.429 | 17.994 |
| 165.088 | 28924.535 | 33392.992 | 21.078 |
| 22707.234 | 34.573 | 1.015 | 14.636 |
| 10/16/2016 4:25:00 PM | 325500.000 | 72.419 | 17.994 |
| 165.066 | 28935.656 | 33406.152 | 21.088 |
| 22716.186 | 34.559 | 1.015 | 14.638 |
| 10/16/2016 4:30:00 PM | 325800.000 | 72.418 | 17.993 |
| 165.064 | 28937.186 | 33408.047 | 21.089 |
| 22717.475 | 34.558 | 1.015 | 14.639 |
| 10/16/2016 4:35:00 PM | 326100.000 | 72.408 | 17.994 |
| 165.041 | 28914.047 | 33380.691 | 21.070 |
| 22698.871 | 34.585 | 1.015 | 14.639 |
| 10/16/2016 4:40:00 PM | 326400.000 | 72.410 | 17.994 |

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|---|---|---|---|
| 165.044 | 28923.023 | 33391.441 | 21.077 |
| 22706.180 | 34.575 | 1.015 | 14.639 |
| 10/16/2016 4:45:00 PM | 326700.000 | 72.406 | 17.994 |
| 165.035 | 28934.135 | 33404.137 | 21.086 |
| 22714.813 | 34.561 | 1.015 | 14.639 |
| 10/16/2016 4:50:00 PM | 327000.000 | 72.405 | 17.994 |
| 165.032 | 28934.953 | 33404.762 | 21.087 |
| 22715.238 | 34.560 | 1.015 | 14.639 |
| 10/16/2016 4:55:00 PM | 327300.000 | 72.406 | 17.994 |
| 165.036 | 28925.242 | 33393.871 | 21.079 |
| 22707.832 | 34.572 | 1.015 | 14.639 |
| 10/16/2016 5:00:00 PM | 327600.000 | 72.380 | 17.994 |
| 164.976 | 28929.840 | 33399.180 | 21.083 |
| 22711.445 | 34.566 | 1.015 | 14.639 |
| 10/16/2016 5:05:00 PM | 327900.000 | 72.400 | 17.994 |
| 165.022 | 28926.102 | 33394.992 | 21.080 |
| 22708.598 | 34.571 | 1.015 | 14.641 |
| 10/16/2016 5:10:00 PM | 328200.000 | 72.398 | 17.994 |
| 165.017 | 28946.496 | 33418.477 | 21.096 |
| 22724.566 | 34.546 | 1.015 | 14.642 |
| 10/16/2016 5:15:00 PM | 328500.000 | 72.394 | 17.994 |
| 165.008 | 28925.896 | 33394.625 | 21.080 |
| 22708.348 | 34.571 | 1.015 | 14.644 |
| 10/16/2016 5:20:00 PM | 328800.000 | 72.388 | 17.995 |
| 164.995 | 28917.043 | 33383.832 | 21.072 |
| 22701.008 | 34.582 | 1.015 | 14.647 |
| 10/16/2016 5:25:00 PM | 329100.000 | 72.383 | 17.994 |
| 164.984 | 28930.752 | 33400.109 | 21.083 |
| 22712.076 | 34.565 | 1.015 | 14.649 |
| 10/16/2016 5:30:00 PM | 329400.000 | 72.381 | 17.995 |
| 164.979 | 28926.459 | 33394.703 | 21.080 |
| 22708.398 | 34.570 | 1.015 | 14.652 |
| 10/16/2016 5:35:00 PM | 329700.000 | 72.357 | 17.995 |
| 164.924 | 28925.127 | 33393.164 | 21.079 |
| 22707.354 | 34.572 | 1.015 | 14.652 |
| 10/16/2016 5:40:00 PM | 330000.000 | 72.377 | 17.993 |
| 164.969 | 28932.730 | 33402.844 | 21.085 |
| 22713.934 | 34.563 | 1.015 | 14.652 |
| 10/16/2016 5:45:00 PM | 330300.000 | 72.375 | 17.995 |
| 164.966 | 28926.090 | 33394.332 | 21.079 |
| 22708.146 | 34.571 | 1.015 | 14.652 |
| 10/16/2016 5:50:00 PM | 330600.000 | 72.374 | 17.995 |
| 164.963 | 28932.758 | 33401.977 | 21.085 |
| 22713.344 | 34.563 | 1.015 | 14.651 |
| 10/16/2016 5:55:00 PM | 330900.000 | 72.359 | 17.994 |
| 164.928 | 28922.113 | 33390.137 | 21.076 |
| 22705.293 | 34.576 | 1.015 | 14.650 |
| 10/16/2016 6:00:00 PM | 331200.000 | 72.373 | 17.994 |
| 164.959 | 28926.146 | 33394.984 | 21.080 |
| 22708.592 | 34.571 | 1.015 | 14.649 |
| 10/16/2016 6:05:00 PM | 331500.000 | 72.361 | 17.993 |
| 164.934 | 28924.787 | 33393.734 | 21.079 |
| 22707.740 | 34.572 | 1.015 | 14.651 |
| 10/16/2016 6:10:00 PM | 331800.000 | 72.361 | 17.994 |

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|---|---|---|---|
| 164.934 | 28947.768 | 33419.621 | 21.097 |
| 22725.344 | 34.545 | 1.015 | 14.652 |
| 10/16/2016 6:15:00 PM | 332100.000 | 72.337 | 17.994 |
| 164.878 | 28930.865 | 33400.301 | 21.083 |
| 22712.205 | 34.565 | 1.015 | 14.653 |
| 10/16/2016 6:20:00 PM | 332400.000 | 72.361 | 17.995 |
| 164.933 | 28936.309 | 33406.074 | 21.088 |
| 22716.131 | 34.559 | 1.015 | 14.653 |
| 10/16/2016 6:25:00 PM | 332700.000 | 72.340 | 17.994 |
| 164.886 | 28926.877 | 33395.438 | 21.080 |
| 22708.900 | 34.570 | 1.015 | 14.652 |
| 10/16/2016 6:30:00 PM | 333000.000 | 72.358 | 17.994 |
| 164.926 | 28938.504 | 33409.117 | 21.090 |
| 22718.201 | 34.556 | 1.015 | 14.652 |
| 10/16/2016 6:35:00 PM | 333300.000 | 72.355 | 17.994 |
| 164.919 | 28932.092 | 33401.582 | 21.084 |
| 22713.078 | 34.564 | 1.015 | 14.652 |
| 10/16/2016 6:40:00 PM | 333600.000 | 72.356 | 17.994 |
| 164.921 | 28926.852 | 33395.605 | 21.080 |
| 22709.014 | 34.570 | 1.015 | 14.653 |
| 10/16/2016 6:45:00 PM | 333900.000 | 72.352 | 17.994 |
| 164.912 | 28914.613 | 33381.477 | 21.070 |
| 22699.406 | 34.585 | 1.015 | 14.654 |
| 10/16/2016 6:50:00 PM | 334200.000 | 72.348 | 17.994 |
| 164.903 | 28921.551 | 33389.738 | 21.076 |
| 22705.023 | 34.576 | 1.015 | 14.655 |
| 10/16/2016 6:55:00 PM | 334500.000 | 72.347 | 17.995 |
| 164.901 | 28928.961 | 33397.648 | 21.082 |
| 22710.402 | 34.567 | 1.015 | 14.656 |
| 10/16/2016 7:00:00 PM | 334800.000 | 72.348 | 17.994 |
| 164.903 | 28912.516 | 33379.117 | 21.069 |
| 22697.801 | 34.587 | 1.015 | 14.657 |
| 10/16/2016 7:05:00 PM | 335100.000 | 72.346 | 17.993 |
| 164.898 | 28939.439 | 33410.840 | 21.091 |
| 22719.371 | 34.555 | 1.015 | 14.655 |
| 10/16/2016 7:10:00 PM | 335400.000 | 72.349 | 17.994 |
| 164.906 | 28939.916 | 33410.941 | 21.091 |
| 22719.441 | 34.554 | 1.015 | 14.653 |
| 10/16/2016 7:15:00 PM | 335700.000 | 72.351 | 17.994 |
| 164.909 | 28940.889 | 33412.195 | 21.092 |
| 22720.295 | 34.553 | 1.015 | 14.651 |
| 10/16/2016 7:20:00 PM | 336000.000 | 72.324 | 17.994 |
| 164.849 | 28931.451 | 33401.297 | 21.084 |
| 22712.883 | 34.564 | 1.015 | 14.653 |
| 10/16/2016 7:25:00 PM | 336300.000 | 72.325 | 17.994 |
| 164.852 | 28935.916 | 33406.133 | 21.088 |
| 22716.172 | 34.559 | 1.015 | 14.654 |
| 10/16/2016 7:30:00 PM | 336600.000 | 72.349 | 17.994 |
| 164.905 | 28934.480 | 33404.797 | 21.087 |
| 22715.264 | 34.561 | 1.015 | 14.656 |
| 10/16/2016 7:35:00 PM | 336900.000 | 72.346 | 17.995 |
| 164.898 | 28927.303 | 33395.801 | 21.080 |
| 22709.146 | 34.569 | 1.015 | 14.659 |
| 10/16/2016 7:40:00 PM | 337200.000 | 72.338 | 17.994 |

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|---|---|---|---|
| 164.881 | 28931.256 | 33400.813 | 21.084 |
| 22712.553 | 34.565 | 1.015 | 14.662 |
| 10/16/2016 7:45:00 PM | 337500.000 | 72.336 | 17.994 |
| 164.876 | 28935.500 | 33405.332 | 21.087 |
| 22715.627 | 34.560 | 1.015 | 14.665 |
| 10/16/2016 7:50:00 PM | 337800.000 | 72.322 | 17.994 |
| 164.844 | 28927.951 | 33396.875 | 21.081 |
| 22709.877 | 34.569 | 1.015 | 14.660 |
| 10/16/2016 7:55:00 PM | 338100.000 | 72.342 | 17.995 |
| 164.889 | 28938.590 | 33408.762 | 21.089 |
| 22717.961 | 34.556 | 1.015 | 14.656 |
| 10/16/2016 8:00:00 PM | 338400.000 | 72.349 | 17.994 |
| 164.905 | 28930.715 | 33399.938 | 21.083 |
| 22711.957 | 34.565 | 1.015 | 14.652 |
| 10/16/2016 8:05:00 PM | 338700.000 | 72.346 | 17.994 |
| 164.900 | 28945.801 | 33417.543 | 21.095 |
| 22723.930 | 34.547 | 1.015 | 14.651 |
| 10/16/2016 8:10:00 PM | 339000.000 | 72.352 | 17.994 |
| 164.913 | 28927.225 | 33396.418 | 21.081 |
| 22709.566 | 34.570 | 1.015 | 14.650 |
| 10/16/2016 8:15:00 PM | 339300.000 | 72.352 | 17.994 |
| 164.913 | 28940.459 | 33411.438 | 21.091 |
| 22719.777 | 34.554 | 1.015 | 14.650 |
| 10/16/2016 8:20:00 PM | 339600.000 | 72.350 | 17.993 |
| 164.907 | 28924.951 | 33393.859 | 21.079 |
| 22707.824 | 34.572 | 1.015 | 14.654 |
| 10/16/2016 8:25:00 PM | 339900.000 | 72.347 | 17.994 |
| 164.901 | 28934.898 | 33404.957 | 21.087 |
| 22715.373 | 34.560 | 1.015 | 14.657 |
| 10/16/2016 8:30:00 PM | 340200.000 | 72.351 | 17.993 |
| 164.910 | 28939.846 | 33411.055 | 21.091 |
| 22719.520 | 34.554 | 1.015 | 14.661 |
| 10/16/2016 8:35:00 PM | 340500.000 | 72.349 | 17.994 |
| 164.905 | 28911.803 | 33378.484 | 21.068 |
| 22697.371 | 34.588 | 1.015 | 14.660 |
| 10/16/2016 8:40:00 PM | 340800.000 | 72.350 | 17.994 |
| 164.907 | 28926.158 | 33394.867 | 21.080 |
| 22708.512 | 34.571 | 1.015 | 14.660 |
| 10/16/2016 8:45:00 PM | 341100.000 | 72.349 | 17.994 |
| 164.905 | 28929.803 | 33399.137 | 21.083 |
| 22711.414 | 34.566 | 1.015 | 14.659 |
| 10/16/2016 8:50:00 PM | 341400.000 | 72.358 | 17.994 |
| 164.927 | 28935.346 | 33405.535 | 21.087 |
| 22715.766 | 34.560 | 1.015 | 14.660 |
| 10/16/2016 8:55:00 PM | 341700.000 | 72.356 | 17.994 |
| 164.922 | 28933.650 | 33403.781 | 21.086 |
| 22714.572 | 34.562 | 1.015 | 14.661 |
| 10/16/2016 9:00:00 PM | 342000.000 | 72.355 | 17.994 |
| 164.920 | 28925.500 | 33394.047 | 21.079 |
| 22707.953 | 34.572 | 1.015 | 14.661 |
| 10/16/2016 9:05:00 PM | 342300.000 | 72.360 | 17.994 |
| 164.932 | 28916.811 | 33384.266 | 21.072 |
| 22701.301 | 34.582 | 1.015 | 14.660 |
| 10/16/2016 9:10:00 PM | 342600.000 | 72.348 | 17.994 |

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|---|---|---|---|
| 164.904 | 28924.902 | 33393.227 | 21.079 |
| 22707.396 | 34.572 | 1.015 | 14.659 |
| 10/16/2016 9:15:00 PM | 342900.000 | 72.364 | 17.994 |
| 164.940 | 28934.857 | 33405.102 | 21.087 |
| 22715.469 | 34.560 | 1.015 | 14.658 |
| 10/16/2016 9:20:00 PM | 343200.000 | 72.374 | 17.994 |
| 164.962 | 28927.252 | 33396.070 | 21.081 |
| 22709.330 | 34.569 | 1.015 | 14.660 |
| 10/16/2016 9:25:00 PM | 343500.000 | 72.372 | 17.994 |
| 164.958 | 28909.434 | 33375.559 | 21.066 |
| 22695.381 | 34.591 | 1.015 | 14.661 |
| 10/16/2016 9:30:00 PM | 343800.000 | 72.352 | 17.994 |
| 164.912 | 28929.859 | 33399.199 | 21.083 |
| 22711.457 | 34.566 | 1.015 | 14.662 |
| 10/16/2016 9:35:00 PM | 344100.000 | 72.357 | 17.993 |
| 164.924 | 28915.758 | 33383.246 | 21.072 |
| 22700.609 | 34.583 | 1.015 | 14.664 |
| 10/16/2016 9:40:00 PM | 344400.000 | 72.372 | 17.994 |
| 164.958 | 28922.719 | 33391.160 | 21.077 |
| 22705.990 | 34.575 | 1.015 | 14.666 |
| 10/16/2016 9:45:00 PM | 344700.000 | 72.370 | 17.994 |
| 164.954 | 28924.221 | 33392.949 | 21.078 |
| 22707.207 | 34.573 | 1.015 | 14.667 |
| 10/16/2016 9:50:00 PM | 345000.000 | 72.375 | 17.994 |
| 164.965 | 28927.730 | 33396.422 | 21.081 |
| 22709.568 | 34.569 | 1.015 | 14.669 |
| 10/16/2016 9:55:00 PM | 345300.000 | 72.376 | 17.994 |
| 164.968 | 28923.439 | 33392.051 | 21.078 |
| 22706.596 | 34.574 | 1.015 | 14.670 |
| 10/16/2016 10:00:00 PM | 345600.000 | 72.360 | 17.994 |
| 164.930 | 28907.074 | 33372.895 | 21.064 |
| 22693.568 | 34.594 | 1.015 | 14.672 |
| 10/16/2016 10:05:00 PM | 345900.000 | 72.379 | 17.994 |
| 164.974 | 28931.568 | 33401.113 | 21.084 |
| 22712.760 | 34.564 | 1.015 | 14.672 |
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| 164.980 | 28925.494 | 33394.488 | 21.079 |
| 22708.254 | 34.572 | 1.015 | 14.672 |
| 10/16/2016 10:15:00 PM | 346500.000 | 72.365 | 17.994 |
| 164.943 | 28925.801 | 33394.133 | 21.079 |
| 22708.012 | 34.571 | 1.015 | 14.672 |
| 10/16/2016 10:20:00 PM | 346800.000 | 72.376 | 17.993 |
| 164.968 | 28930.627 | 33400.477 | 21.084 |
| 22712.326 | 34.565 | 1.015 | 14.669 |
| 10/16/2016 10:25:00 PM | 347100.000 | 72.399 | 17.994 |
| 165.019 | 28924.563 | 33392.891 | 21.078 |
| 22707.166 | 34.573 | 1.015 | 14.667 |
| 10/16/2016 10:30:00 PM | 347400.000 | 72.406 | 17.994 |
| 165.035 | 28926.787 | 33395.723 | 21.080 |
| 22709.094 | 34.570 | 1.015 | 14.664 |
| 10/16/2016 10:35:00 PM | 347700.000 | 72.406 | 17.994 |
| 165.035 | 28922.652 | 33390.563 | 21.077 |
| 22705.584 | 34.575 | 1.015 | 14.667 |
| 10/16/2016 10:40:00 PM | 348000.000 | 72.384 | 17.994 |

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| 164.986 | 28926.189 | 33395.031 | 21.080 |
| 22708.621 | 34.571 | 1.015 | 14.670 |
| 10/16/2016 10:45:00 PM | 348300.000 | 72.409 | 17.994 |
| 165.041 | 28914.836 | 33381.734 | 21.071 |
| 22699.582 | 34.584 | 1.015 | 14.674 |
| 10/16/2016 10:50:00 PM | 348600.000 | 72.404 | 17.994 |
| 165.031 | 28935.609 | 33405.520 | 21.087 |
| 22715.756 | 34.559 | 1.015 | 14.675 |
| 10/16/2016 10:55:00 PM | 348900.000 | 72.406 | 17.994 |
| 165.036 | 28899.195 | 33363.480 | 21.058 |
| 22687.166 | 34.603 | 1.015 | 14.676 |
| 10/16/2016 11:00:00 PM | 349200.000 | 72.410 | 17.993 |
| 165.044 | 28912.830 | 33379.930 | 21.069 |
| 22698.354 | 34.587 | 1.015 | 14.677 |
| 10/16/2016 11:05:00 PM | 349500.000 | 72.397 | 17.994 |
| 165.014 | 28923.082 | 33391.059 | 21.077 |
| 22705.922 | 34.574 | 1.015 | 14.677 |
| 10/16/2016 11:10:00 PM | 349800.000 | 72.396 | 17.994 |
| 165.014 | 28930.473 | 33399.527 | 21.083 |
| 22711.682 | 34.566 | 1.015 | 14.677 |
| 10/16/2016 11:15:00 PM | 350100.000 | 72.419 | 17.994 |
| 165.066 | 28917.559 | 33385.000 | 21.073 |
| 22701.801 | 34.581 | 1.015 | 14.677 |
| 10/16/2016 11:20:00 PM | 350400.000 | 72.416 | 17.994 |
| 165.058 | 28922.764 | 33391.008 | 21.077 |
| 22705.885 | 34.575 | 1.015 | 14.679 |
| 10/16/2016 11:25:00 PM | 350700.000 | 72.423 | 17.994 |
| 165.074 | 28920.340 | 33388.211 | 21.075 |
| 22703.984 | 34.578 | 1.015 | 14.681 |
| 10/16/2016 11:30:00 PM | 351000.000 | 72.421 | 17.995 |
| 165.070 | 28918.998 | 33386.020 | 21.074 |
| 22702.496 | 34.579 | 1.015 | 14.682 |
| 10/16/2016 11:35:00 PM | 351300.000 | 72.423 | 17.994 |
| 165.073 | 28916.449 | 33383.852 | 21.072 |
| 22701.021 | 34.582 | 1.015 | 14.681 |
| 10/16/2016 11:40:00 PM | 351600.000 | 72.427 | 17.994 |
| 165.084 | 28926.840 | 33395.652 | 21.080 |
| 22709.043 | 34.570 | 1.015 | 14.680 |
| 10/16/2016 11:45:00 PM | 351900.000 | 72.431 | 17.994 |
| 165.093 | 28926.799 | 33395.547 | 21.080 |
| 22708.973 | 34.570 | 1.015 | 14.678 |
| 10/16/2016 11:50:00 PM | 352200.000 | 72.430 | 17.994 |
| 165.090 | 28924.783 | 33393.020 | 21.078 |
| 22707.254 | 34.572 | 1.015 | 14.679 |
| 10/16/2016 11:55:00 PM | 352500.000 | 72.436 | 17.993 |
| 165.104 | 28922.740 | 33391.309 | 21.077 |
| 22706.092 | 34.575 | 1.015 | 14.680 |
| 10/17/2016 12:00:00 AM | 352800.000 | 72.436 | 17.994 |
| 165.104 | 28914.145 | 33380.805 | 21.070 |
| 22698.947 | 34.585 | 1.015 | 14.680 |
| 10/17/2016 12:05:00 AM | 353100.000 | 72.437 | 17.994 |
| 165.107 | 28944.371 | 33415.891 | 21.094 |
| 22722.807 | 34.549 | 1.015 | 14.679 |
| 10/17/2016 12:10:00 AM | 353400.000 | 72.443 | 17.994 |

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| 165.119 | 28920.271 | 33387.938 | 21.075 |
| 22703.799 | 34.578 | 1.015 | 14.678 |
| 10/17/2016 12:15:00 AM | 353700.000 | 72.453 | 17.994 |
| 165.143 | 28924.557 | 33392.957 | 21.078 |
| 22707.213 | 34.573 | 1.015 | 14.676 |
| 10/17/2016 12:20:00 AM | 354000.000 | 72.449 | 17.995 |
| 165.135 | 28932.572 | 33401.691 | 21.084 |
| 22713.152 | 34.563 | 1.015 | 14.680 |
| 10/17/2016 12:25:00 AM | 354300.000 | 72.449 | 17.994 |
| 165.134 | 28920.289 | 33387.957 | 21.075 |
| 22703.813 | 34.578 | 1.015 | 14.683 |
| 10/17/2016 12:30:00 AM | 354600.000 | 72.449 | 17.994 |
| 165.133 | 28919.510 | 33387.320 | 21.074 |
| 22703.381 | 34.579 | 1.015 | 14.687 |
| 10/17/2016 12:35:00 AM | 354900.000 | 72.449 | 17.994 |
| 165.134 | 28927.895 | 33397.137 | 21.081 |
| 22710.055 | 34.569 | 1.015 | 14.688 |
| 10/17/2016 12:40:00 AM | 355200.000 | 72.450 | 17.994 |
| 165.137 | 28920.301 | 33388.105 | 21.075 |
| 22703.912 | 34.578 | 1.015 | 14.688 |
| 10/17/2016 12:45:00 AM | 355500.000 | 72.455 | 17.994 |
| 165.147 | 28920.076 | 33388.039 | 21.075 |
| 22703.869 | 34.578 | 1.015 | 14.689 |
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| 165.147 | 28934.330 | 33404.168 | 21.086 |
| 22714.834 | 34.561 | 1.015 | 14.693 |
| 10/17/2016 12:55:00 AM | 356100.000 | 72.449 | 17.994 |
| 165.134 | 28912.559 | 33379.105 | 21.069 |
| 22697.793 | 34.587 | 1.015 | 14.696 |
| 10/17/2016 1:00:00 AM | 356400.000 | 72.452 | 17.994 |
| 165.140 | 28915.045 | 33381.977 | 21.071 |
| 22699.746 | 34.584 | 1.015 | 14.700 |
| 10/17/2016 1:05:00 AM | 356700.000 | 72.434 | 17.994 |
| 165.099 | 28923.195 | 33391.387 | 21.077 |
| 22706.145 | 34.574 | 1.015 | 14.699 |
| 10/17/2016 1:10:00 AM | 357000.000 | 72.437 | 17.994 |
| 165.105 | 28922.029 | 33389.965 | 21.076 |
| 22705.178 | 34.576 | 1.015 | 14.699 |
| 10/17/2016 1:15:00 AM | 357300.000 | 72.456 | 17.994 |
| 165.149 | 28915.770 | 33383.195 | 21.072 |
| 22700.572 | 34.583 | 1.015 | 14.699 |
| 10/17/2016 1:20:00 AM | 357600.000 | 72.455 | 17.994 |
| 165.147 | 28929.143 | 33398.121 | 21.082 |
| 22710.725 | 34.567 | 1.015 | 14.700 |
| 10/17/2016 1:25:00 AM | 357900.000 | 72.439 | 17.993 |
| 165.112 | 28938.832 | 33409.949 | 21.090 |
| 22718.768 | 34.556 | 1.015 | 14.701 |
| 10/17/2016 1:30:00 AM | 358200.000 | 72.451 | 17.994 |
| 165.139 | 28920.426 | 33387.992 | 21.075 |
| 22703.834 | 34.578 | 1.015 | 14.701 |
| 10/17/2016 1:35:00 AM | 358500.000 | 72.438 | 17.994 |
| 165.108 | 28910.039 | 33375.938 | 21.067 |
| 22695.641 | 34.590 | 1.015 | 14.701 |
| 10/17/2016 1:40:00 AM | 358800.000 | 72.462 | 17.994 |

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| 165.164 | 28940.385 | 33410.973 | 21.091 |
| 22719.461 | 34.554 | 1.015 | 14.701 |
| 10/17/2016 1:45:00 AM | 359100.000 | 72.441 | 17.994 |
| 165.115 | 28925.383 | 33394.293 | 21.079 |
| 22708.121 | 34.572 | 1.015 | 14.700 |
| 10/17/2016 1:50:00 AM | 359400.000 | 72.459 | 17.994 |
| 165.156 | 28922.557 | 33390.770 | 21.077 |
| 22705.723 | 34.575 | 1.015 | 14.702 |
| 10/17/2016 1:55:00 AM | 359700.000 | 72.459 | 17.994 |
| 165.156 | 28931.070 | 33400.219 | 21.083 |
| 22712.148 | 34.565 | 1.015 | 14.704 |
| 10/17/2016 2:00:00 AM | 360000.000 | 72.460 | 17.995 |
| 165.160 | 28922.635 | 33390.414 | 21.077 |
| 22705.484 | 34.575 | 1.015 | 14.707 |
| 10/17/2016 2:05:00 AM | 360300.000 | 72.460 | 17.994 |
| 165.158 | 28918.379 | 33385.750 | 21.073 |
| 22702.313 | 34.580 | 1.015 | 14.705 |
| 10/17/2016 2:10:00 AM | 360600.000 | 72.460 | 17.994 |
| 165.158 | 28919.146 | 33386.637 | 21.074 |
| 22702.916 | 34.579 | 1.015 | 14.704 |
| 10/17/2016 2:15:00 AM | 360900.000 | 72.460 | 17.994 |
| 165.158 | 28923.309 | 33391.770 | 21.078 |
| 22706.406 | 34.574 | 1.015 | 14.703 |
| 10/17/2016 2:20:00 AM | 361200.000 | 72.460 | 17.994 |
| 165.158 | 28932.393 | 33402.125 | 21.085 |
| 22713.445 | 34.563 | 1.015 | 14.705 |
| 10/17/2016 2:25:00 AM | 361500.000 | 72.450 | 17.994 |
| 165.136 | 28913.807 | 33380.930 | 21.070 |
| 22699.033 | 34.586 | 1.015 | 14.707 |
| 10/17/2016 2:30:00 AM | 361800.000 | 72.451 | 17.994 |
| 165.138 | 28928.191 | 33397.152 | 21.081 |
| 22710.066 | 34.568 | 1.015 | 14.709 |
| 10/17/2016 2:35:00 AM | 362100.000 | 72.450 | 17.994 |
| 165.135 | 28940.670 | 33411.750 | 21.091 |
| 22719.992 | 34.553 | 1.015 | 14.708 |
| 10/17/2016 2:40:00 AM | 362400.000 | 72.452 | 17.994 |
| 165.140 | 28922.250 | 33390.547 | 21.077 |
| 22705.574 | 34.575 | 1.015 | 14.708 |
| 10/17/2016 2:45:00 AM | 362700.000 | 72.454 | 17.994 |
| 165.145 | 28905.078 | 33370.590 | 21.063 |
| 22692.004 | 34.596 | 1.015 | 14.707 |
| 10/17/2016 2:50:00 AM | 363000.000 | 72.449 | 17.994 |
| 165.133 | 28912.488 | 33378.766 | 21.069 |
| 22697.561 | 34.587 | 1.015 | 14.707 |
| 10/17/2016 2:55:00 AM | 363300.000 | 72.450 | 17.994 |
| 165.136 | 28916.238 | 33383.355 | 21.072 |
| 22700.684 | 34.583 | 1.015 | 14.708 |
| 10/17/2016 3:00:00 AM | 363600.000 | 72.448 | 17.994 |
| 165.132 | 28943.596 | 33414.805 | 21.094 |
| 22722.068 | 34.550 | 1.015 | 14.709 |
| 10/17/2016 3:05:00 AM | 363900.000 | 72.448 | 17.994 |
| 165.131 | 28922.576 | 33390.473 | 21.077 |
| 22705.523 | 34.575 | 1.015 | 14.708 |
| 10/17/2016 3:10:00 AM | 364200.000 | 72.446 | 17.994 |

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| 165.127 | 28912.840 | 33379.234 | 21.069 |
| 22697.879 | 34.587 | 1.015 | 14.707 |
| 10/17/2016 3:15:00 AM | 364500.000 | 72.447 | 17.994 |
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| 22708.656 | 34.570 | 1.015 | 14.705 |
| 10/17/2016 3:20:00 AM | 364800.000 | 72.444 | 17.995 |
| 165.122 | 28928.201 | 33396.770 | 21.081 |
| 22709.805 | 34.568 | 1.015 | 14.707 |
| 10/17/2016 3:25:00 AM | 365100.000 | 72.443 | 17.994 |
| 165.120 | 28924.707 | 33393.320 | 21.079 |
| 22707.461 | 34.573 | 1.015 | 14.709 |
| 10/17/2016 3:30:00 AM | 365400.000 | 72.441 | 17.995 |
| 165.115 | 28943.105 | 33413.922 | 21.093 |
| 22721.469 | 34.551 | 1.015 | 14.710 |
| 10/17/2016 3:35:00 AM | 365700.000 | 72.440 | 17.995 |
| 165.114 | 28925.959 | 33394.250 | 21.079 |
| 22708.092 | 34.571 | 1.015 | 14.710 |
| 10/17/2016 3:40:00 AM | 366000.000 | 72.439 | 17.994 |
| 165.111 | 28923.426 | 33391.906 | 21.078 |
| 22706.498 | 34.574 | 1.015 | 14.710 |
| 10/17/2016 3:45:00 AM | 366300.000 | 72.436 | 17.994 |
| 165.104 | 28930.018 | 33399.262 | 21.083 |
| 22711.498 | 34.566 | 1.015 | 14.709 |
| 10/17/2016 3:50:00 AM | 366600.000 | 72.435 | 17.994 |
| 165.102 | 28925.373 | 33394.223 | 21.079 |
| 22708.072 | 34.572 | 1.015 | 14.709 |
| 10/17/2016 3:55:00 AM | 366900.000 | 72.432 | 17.994 |
| 165.095 | 28919.316 | 33387.160 | 21.074 |
| 22703.270 | 34.579 | 1.015 | 14.709 |
| 10/17/2016 4:00:00 AM | 367200.000 | 72.438 | 17.994 |
| 165.108 | 28923.488 | 33391.648 | 21.077 |
| 22706.322 | 34.574 | 1.015 | 14.709 |
| 10/17/2016 4:05:00 AM | 367500.000 | 72.435 | 17.994 |
| 165.102 | 28925.314 | 33393.574 | 21.079 |
| 22707.633 | 34.572 | 1.015 | 14.711 |
| 10/17/2016 4:10:00 AM | 367800.000 | 72.450 | 17.994 |
| 165.135 | 28924.248 | 33392.855 | 21.078 |
| 22707.145 | 34.573 | 1.015 | 14.712 |
| 10/17/2016 4:15:00 AM | 368100.000 | 72.426 | 17.995 |
| 165.082 | 28908.672 | 33374.168 | 21.065 |
| 22694.436 | 34.592 | 1.015 | 14.714 |
| 10/17/2016 4:20:00 AM | 368400.000 | 72.427 | 17.994 |
| 165.083 | 28922.557 | 33390.516 | 21.077 |
| 22705.551 | 34.575 | 1.015 | 14.714 |
| 10/17/2016 4:25:00 AM | 368700.000 | 72.407 | 17.993 |
| 165.037 | 28939.781 | 33411.105 | 21.091 |
| 22719.553 | 34.555 | 1.015 | 14.713 |
| 10/17/2016 4:30:00 AM | 369000.000 | 72.426 | 17.994 |
| 165.081 | 28930.096 | 33399.156 | 21.083 |
| 22711.428 | 34.566 | 1.015 | 14.713 |
| 10/17/2016 4:35:00 AM | 369300.000 | 72.423 | 17.995 |
| 165.074 | 28933.184 | 33402.590 | 21.085 |
| 22713.762 | 34.562 | 1.015 | 14.711 |
| 10/17/2016 4:40:00 AM | 369600.000 | 72.427 | 17.994 |

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| 165.083 | 28936.582 | 33406.711 | 21.088 |
| 22716.566 | 34.558 | 1.015 | 14.710 |
| 10/17/2016 4:45:00 AM | 369900.000 | 72.445 | 17.993 |
| 165.124 | 28938.313 | 33409.539 | 21.090 |
| 22718.486 | 34.556 | 1.015 | 14.708 |
| 10/17/2016 4:50:00 AM | 370200.000 | 72.420 | 17.994 |
| 165.068 | 28928.496 | 33397.629 | 21.082 |
| 22710.391 | 34.568 | 1.015 | 14.712 |
| 10/17/2016 4:55:00 AM | 370500.000 | 72.416 | 17.994 |
| 165.059 | 28924.699 | 33393.242 | 21.079 |
| 22707.404 | 34.573 | 1.015 | 14.717 |
| 10/17/2016 5:00:00 AM | 370800.000 | 72.409 | 17.994 |
| 165.043 | 28932.834 | 33402.316 | 21.085 |
| 22713.578 | 34.563 | 1.015 | 14.721 |
| 10/17/2016 5:05:00 AM | 371100.000 | 72.410 | 17.994 |
| 165.045 | 28922.189 | 33390.414 | 21.077 |
| 22705.484 | 34.576 | 1.015 | 14.719 |
| 10/17/2016 5:10:00 AM | 371400.000 | 72.407 | 17.994 |
| 165.037 | 28921.365 | 33389.141 | 21.076 |
| 22704.617 | 34.577 | 1.015 | 14.717 |
| 10/17/2016 5:15:00 AM | 371700.000 | 72.415 | 17.994 |
| 165.056 | 28924.775 | 33393.332 | 21.079 |
| 22707.469 | 34.572 | 1.015 | 14.716 |
| 10/17/2016 5:20:00 AM | 372000.000 | 72.411 | 17.994 |
| 165.047 | 28919.420 | 33387.281 | 21.074 |
| 22703.352 | 34.579 | 1.015 | 14.719 |
| 10/17/2016 5:25:00 AM | 372300.000 | 72.408 | 17.995 |
| 165.040 | 28938.637 | 33408.762 | 21.089 |
| 22717.961 | 34.556 | 1.015 | 14.722 |
| 10/17/2016 5:30:00 AM | 372600.000 | 72.401 | 17.994 |
| 165.025 | 28926.240 | 33395.152 | 21.080 |
| 22708.703 | 34.571 | 1.015 | 14.724 |
| 10/17/2016 5:35:00 AM | 372900.000 | 72.398 | 17.994 |
| 165.018 | 28946.652 | 33418.465 | 21.096 |
| 22724.559 | 34.546 | 1.015 | 14.726 |
| 10/17/2016 5:40:00 AM | 373200.000 | 72.398 | 17.994 |
| 165.018 | 28921.172 | 33388.977 | 21.076 |
| 22704.506 | 34.577 | 1.015 | 14.727 |
| 10/17/2016 5:45:00 AM | 373500.000 | 72.397 | 17.994 |
| 165.014 | 28930.848 | 33400.410 | 21.084 |
| 22712.281 | 34.565 | 1.015 | 14.729 |
| 10/17/2016 5:50:00 AM | 373800.000 | 72.402 | 17.994 |
| 165.026 | 28926.459 | 33395.273 | 21.080 |
| 22708.787 | 34.570 | 1.015 | 14.728 |
| 10/17/2016 5:55:00 AM | 374100.000 | 72.399 | 17.994 |
| 165.019 | 28930.904 | 33400.090 | 21.083 |
| 22712.061 | 34.565 | 1.015 | 14.727 |
| 10/17/2016 6:00:00 AM | 374400.000 | 72.381 | 17.994 |
| 164.978 | 28934.861 | 33405.043 | 21.087 |
| 22715.432 | 34.560 | 1.015 | 14.726 |
| 10/17/2016 6:05:00 AM | 374700.000 | 72.397 | 17.994 |
| 165.014 | 28935.100 | 33405.320 | 21.087 |
| 22715.617 | 34.560 | 1.015 | 14.726 |
| 10/17/2016 6:10:00 AM | 375000.000 | 72.395 | 17.994 |

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| 165.011 | 28933.291 | 33403.293 | 21.086 |
| 22714.240 | 34.562 | 1.015 | 14.727 |
| 10/17/2016 6:15:00 AM | 375300.000 | 72.398 | 17.993 |
| 165.017 | 28921.508 | 33390.008 | 21.076 |
| 22705.205 | 34.576 | 1.015 | 14.728 |
| 10/17/2016 6:20:00 AM | 375600.000 | 72.396 | 17.994 |
| 165.013 | 28903.424 | 33368.680 | 21.062 |
| 22690.705 | 34.598 | 1.015 | 14.728 |
| 10/17/2016 6:25:00 AM | 375900.000 | 72.397 | 17.994 |
| 165.016 | 28916.615 | 33384.043 | 21.072 |
| 22701.150 | 34.582 | 1.015 | 14.728 |
| 10/17/2016 6:30:00 AM | 376200.000 | 72.395 | 17.994 |
| 165.011 | 28931.000 | 33400.719 | 21.084 |
| 22712.490 | 34.565 | 1.015 | 14.729 |
| 10/17/2016 6:35:00 AM | 376500.000 | 72.375 | 17.994 |
| 164.965 | 28934.906 | 33404.707 | 21.087 |
| 22715.203 | 34.560 | 1.015 | 14.731 |
| 10/17/2016 6:40:00 AM | 376800.000 | 72.391 | 17.994 |
| 165.001 | 28926.129 | 33394.641 | 21.080 |
| 22708.357 | 34.571 | 1.015 | 14.734 |
| 10/17/2016 6:45:00 AM | 377100.000 | 72.387 | 17.994 |
| 164.993 | 28916.154 | 33383.258 | 21.072 |
| 22700.617 | 34.583 | 1.015 | 14.737 |
| 10/17/2016 6:50:00 AM | 377400.000 | 72.391 | 17.994 |
| 165.002 | 28915.990 | 33383.258 | 21.072 |
| 22700.617 | 34.583 | 1.015 | 14.735 |
| 10/17/2016 6:55:00 AM | 377700.000 | 72.388 | 17.994 |
| 164.993 | 28934.814 | 33404.668 | 21.087 |
| 22715.176 | 34.560 | 1.015 | 14.733 |
| 10/17/2016 7:00:00 AM | 378000.000 | 72.394 | 17.993 |
| 165.009 | 28905.930 | 33371.961 | 21.064 |
| 22692.934 | 34.595 | 1.015 | 14.731 |
| 10/17/2016 7:05:00 AM | 378300.000 | 72.391 | 17.994 |
| 165.003 | 28924.738 | 33393.418 | 21.079 |
| 22707.527 | 34.572 | 1.015 | 14.734 |
| 10/17/2016 7:10:00 AM | 378600.000 | 72.393 | 17.995 |
| 165.005 | 28925.928 | 33394.020 | 21.079 |
| 22707.936 | 34.571 | 1.015 | 14.737 |
| 10/17/2016 7:15:00 AM | 378900.000 | 72.388 | 17.995 |
| 164.995 | 28928.514 | 33397.199 | 21.081 |
| 22710.096 | 34.568 | 1.015 | 14.740 |
| 10/17/2016 7:20:00 AM | 379200.000 | 72.387 | 17.994 |
| 164.991 | 28909.020 | 33374.824 | 21.066 |
| 22694.881 | 34.591 | 1.015 | 14.739 |
| 10/17/2016 7:25:00 AM | 379500.000 | 72.391 | 17.994 |
| 165.001 | 28915.182 | 33381.875 | 21.071 |
| 22699.676 | 34.584 | 1.015 | 14.738 |
| 10/17/2016 7:30:00 AM | 379800.000 | 72.390 | 17.994 |
| 165.000 | 28926.246 | 33394.777 | 21.080 |
| 22708.451 | 34.571 | 1.015 | 14.736 |
| 10/17/2016 7:35:00 AM | 380100.000 | 72.396 | 17.994 |
| 165.014 | 28929.186 | 33398.227 | 21.082 |
| 22710.797 | 34.567 | 1.015 | 14.738 |
| 10/17/2016 7:40:00 AM | 380400.000 | 72.394 | 17.994 |

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|---|---|---|---|
| 165.008 | 28918.082 | 33385.410 | 21.073 |
| 22702.082 | 34.580 | 1.015 | 14.739 |
| 10/17/2016 7:45:00 AM | 380700.000 | 72.394 | 17.994 |
| 165.007 | 28926.564 | 33395.398 | 21.080 |
| 22708.871 | 34.570 | 1.015 | 14.740 |
| 10/17/2016 7:50:00 AM | 381000.000 | 72.394 | 17.994 |
| 165.009 | 28931.857 | 33401.313 | 21.084 |
| 22712.895 | 34.564 | 1.015 | 14.742 |
| 10/17/2016 7:55:00 AM | 381300.000 | 72.396 | 17.995 |
| 165.013 | 28922.023 | 33389.445 | 21.076 |
| 22704.822 | 34.576 | 1.015 | 14.743 |
| 10/17/2016 8:00:00 AM | 381600.000 | 72.395 | 17.994 |
| 165.011 | 28922.268 | 33390.375 | 21.077 |
| 22705.455 | 34.575 | 1.015 | 14.745 |
| 10/17/2016 8:05:00 AM | 381900.000 | 72.400 | 17.994 |
| 165.022 | 28933.068 | 33402.652 | 21.085 |
| 22713.807 | 34.563 | 1.015 | 14.746 |
| 10/17/2016 8:10:00 AM | 382200.000 | 72.402 | 17.994 |
| 165.026 | 28933.305 | 33402.859 | 21.085 |
| 22713.947 | 34.562 | 1.015 | 14.747 |
| 10/17/2016 8:15:00 AM | 382500.000 | 72.403 | 17.994 |
| 165.029 | 28934.455 | 33404.254 | 21.086 |
| 22714.893 | 34.561 | 1.015 | 14.748 |
| 10/17/2016 8:20:00 AM | 382800.000 | 72.406 | 17.994 |
| 165.037 | 28937.793 | 33408.492 | 21.089 |
| 22717.777 | 34.557 | 1.015 | 14.749 |
| 10/17/2016 8:25:00 AM | 383100.000 | 72.404 | 17.994 |
| 165.031 | 28913.627 | 33380.266 | 21.070 |
| 22698.582 | 34.586 | 1.015 | 14.749 |
| 10/17/2016 8:30:00 AM | 383400.000 | 72.406 | 17.994 |
| 165.035 | 28917.688 | 33385.027 | 21.073 |
| 22701.820 | 34.581 | 1.015 | 14.750 |
| 10/17/2016 8:35:00 AM | 383700.000 | 72.406 | 17.994 |
| 165.036 | 28931.102 | 33400.316 | 21.083 |
| 22712.215 | 34.565 | 1.015 | 14.752 |
| 10/17/2016 8:40:00 AM | 384000.000 | 72.414 | 17.994 |
| 165.053 | 28932.486 | 33401.852 | 21.085 |
| 22713.260 | 34.563 | 1.015 | 14.754 |
| 10/17/2016 8:45:00 AM | 384300.000 | 72.412 | 17.994 |
| 165.049 | 28928.479 | 33397.543 | 21.082 |
| 22710.330 | 34.568 | 1.015 | 14.755 |
| 10/17/2016 8:50:00 AM | 384600.000 | 72.415 | 17.994 |
| 165.055 | 28929.232 | 33398.609 | 21.082 |
| 22711.057 | 34.567 | 1.015 | 14.756 |
| 10/17/2016 8:55:00 AM | 384900.000 | 72.416 | 17.995 |
| 165.058 | 28933.727 | 33403.219 | 21.086 |
| 22714.191 | 34.562 | 1.015 | 14.757 |
| 10/17/2016 9:00:00 AM | 385200.000 | 72.418 | 17.994 |
| 165.062 | 28927.094 | 33396.141 | 21.081 |
| 22709.375 | 34.570 | 1.015 | 14.757 |
| 10/17/2016 9:05:00 AM | 385500.000 | 72.420 | 17.994 |
| 165.068 | 28912.770 | 33379.410 | 21.069 |
| 22698.002 | 34.587 | 1.015 | 14.758 |
| 10/17/2016 9:10:00 AM | 385800.000 | 72.422 | 17.994 |

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|---|---|---|---|
| 165.072 | 28912.559 | 33379.227 | 21.069 |
| 22697.875 | 34.587 | 1.015 | 14.758 |
| 10/17/2016 9:15:00 AM | 386100.000 | 72.419 | 17.994 |
| 165.065 | 28925.582 | 33393.945 | 21.079 |
| 22707.885 | 34.571 | 1.015 | 14.759 |
| 10/17/2016 9:20:00 AM | 386400.000 | 72.423 | 17.995 |
| 165.074 | 28933.369 | 33402.805 | 21.085 |
| 22713.908 | 34.562 | 1.015 | 14.758 |
| 10/17/2016 9:25:00 AM | 386700.000 | 72.433 | 17.994 |
| 165.097 | 28939.076 | 33409.645 | 21.090 |
| 22718.559 | 34.555 | 1.015 | 14.756 |
| 10/17/2016 9:30:00 AM | 387000.000 | 72.437 | 17.994 |
| 165.105 | 28926.504 | 33395.457 | 21.080 |
| 22708.912 | 34.570 | 1.015 | 14.755 |
| 10/17/2016 9:35:00 AM | 387300.000 | 72.436 | 17.995 |
| 165.105 | 28917.666 | 33384.676 | 21.073 |
| 22701.582 | 34.581 | 1.015 | 14.756 |
| 10/17/2016 9:40:00 AM | 387600.000 | 72.441 | 17.995 |
| 165.116 | 28924.465 | 33392.457 | 21.078 |
| 22706.873 | 34.573 | 1.015 | 14.758 |
| 10/17/2016 9:45:00 AM | 387900.000 | 72.443 | 17.994 |
| 165.120 | 28931.211 | 33400.508 | 21.084 |
| 22712.348 | 34.565 | 1.015 | 14.759 |
| 10/17/2016 9:50:00 AM | 388200.000 | 72.444 | 17.994 |
| 165.122 | 28918.033 | 33385.227 | 21.073 |
| 22701.955 | 34.580 | 1.015 | 14.758 |
| 10/17/2016 9:55:00 AM | 388500.000 | 72.446 | 17.995 |
| 165.128 | 28927.082 | 33395.477 | 21.080 |
| 22708.926 | 34.570 | 1.015 | 14.758 |
| 10/17/2016 10:00:00 AM | 388800.000 | 72.451 | 17.994 |
| 165.138 | 28921.256 | 33389.207 | 21.076 |
| 22704.660 | 34.577 | 1.015 | 14.758 |
| 10/17/2016 10:05:00 AM | 389100.000 | 72.458 | 17.994 |
| 165.153 | 28932.098 | 33401.531 | 21.084 |
| 22713.041 | 34.564 | 1.015 | 14.759 |
| 10/17/2016 10:10:00 AM | 389400.000 | 72.456 | 17.994 |
| 165.149 | 28917.809 | 33385.094 | 21.073 |
| 22701.863 | 34.581 | 1.015 | 14.759 |
| 10/17/2016 10:15:00 AM | 389700.000 | 72.465 | 17.994 |
| 165.170 | 28936.854 | 33407.152 | 21.088 |
| 22716.863 | 34.558 | 1.015 | 14.760 |
| 10/17/2016 10:20:00 AM | 390000.000 | 72.461 | 17.994 |
| 165.162 | 28911.232 | 33377.695 | 21.068 |
| 22696.834 | 34.589 | 1.015 | 14.760 |
| 10/17/2016 10:25:00 AM | 390300.000 | 72.467 | 17.994 |
| 165.175 | 28919.104 | 33386.785 | 21.074 |
| 22703.014 | 34.579 | 1.015 | 14.760 |
| 10/17/2016 10:30:00 AM | 390600.000 | 72.474 | 17.994 |
| 165.190 | 28932.734 | 33402.723 | 21.085 |
| 22713.852 | 34.563 | 1.015 | 14.761 |
| 10/17/2016 10:35:00 AM | 390900.000 | 72.475 | 17.993 |
| 165.192 | 28939.584 | 33410.754 | 21.091 |
| 22719.313 | 34.555 | 1.015 | 14.763 |
| 10/17/2016 10:40:00 AM | 391200.000 | 72.476 | 17.994 |

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|---|---|---|---|
| 165.196 | 28930.559 | 33399.887 | 21.083 |
| 22711.926 | 34.566 | 1.015 | 14.764 |
| 10/17/2016 10:45:00 AM | 391500.000 | 72.475 | 17.994 |
| 165.192 | 28925.566 | 33394.121 | 21.079 |
| 22708.002 | 34.571 | 1.015 | 14.766 |
| 10/17/2016 10:50:00 AM | 391800.000 | 72.483 | 17.993 |
| 165.211 | 28918.234 | 33386.305 | 21.074 |
| 22702.688 | 34.580 | 1.015 | 14.763 |
| 10/17/2016 10:55:00 AM | 392100.000 | 72.488 | 17.994 |
| 165.223 | 28918.365 | 33386.000 | 21.074 |
| 22702.482 | 34.580 | 1.015 | 14.760 |
| 10/17/2016 11:00:00 AM | 392400.000 | 72.487 | 17.994 |
| 165.221 | 28926.586 | 33395.359 | 21.080 |
| 22708.846 | 34.570 | 1.015 | 14.757 |
| 10/17/2016 11:05:00 AM | 392700.000 | 72.494 | 17.994 |
| 165.236 | 28927.064 | 33395.852 | 21.080 |
| 22709.182 | 34.570 | 1.015 | 14.760 |
| 10/17/2016 11:10:00 AM | 393000.000 | 72.491 | 17.994 |
| 165.230 | 28946.068 | 33417.531 | 21.095 |
| 22723.922 | 34.547 | 1.015 | 14.763 |
| 10/17/2016 11:15:00 AM | 393300.000 | 72.490 | 17.994 |
| 165.228 | 28913.994 | 33380.691 | 21.070 |
| 22698.871 | 34.585 | 1.015 | 14.766 |
| 10/17/2016 11:20:00 AM | 393600.000 | 72.478 | 17.994 |
| 165.200 | 28929.414 | 33398.566 | 21.082 |
| 22711.027 | 34.567 | 1.015 | 14.766 |
| 10/17/2016 11:25:00 AM | 393900.000 | 72.478 | 17.994 |
| 165.199 | 28920.553 | 33388.527 | 21.075 |
| 22704.201 | 34.577 | 1.015 | 14.767 |
| 10/17/2016 11:30:00 AM | 394200.000 | 72.498 | 17.994 |
| 165.246 | 28929.951 | 33399.113 | 21.083 |
| 22711.396 | 34.566 | 1.015 | 14.767 |
| 10/17/2016 11:35:00 AM | 394500.000 | 72.509 | 17.995 |
| 165.270 | 28922.232 | 33389.879 | 21.076 |
| 22705.119 | 34.575 | 1.015 | 14.764 |
| 10/17/2016 11:40:00 AM | 394800.000 | 72.512 | 17.994 |
| 165.278 | 28931.645 | 33401.262 | 21.084 |
| 22712.857 | 34.564 | 1.015 | 14.760 |
| 10/17/2016 11:45:00 AM | 395100.000 | 72.516 | 17.994 |
| 165.286 | 28926.887 | 33395.840 | 21.080 |
| 22709.174 | 34.570 | 1.015 | 14.757 |
| 10/17/2016 11:50:00 AM | 395400.000 | 72.513 | 17.994 |
| 165.280 | 28910.244 | 33376.359 | 21.067 |
| 22695.924 | 34.590 | 1.015 | 14.760 |
| 10/17/2016 11:55:00 AM | 395700.000 | 72.518 | 17.994 |
| 165.290 | 28927.740 | 33396.754 | 21.081 |
| 22709.795 | 34.569 | 1.015 | 14.763 |
| 10/17/2016 12:00:00 PM | 396000.000 | 72.508 | 17.994 |
| 165.268 | 28934.059 | 33403.730 | 21.086 |
| 22714.539 | 34.561 | 1.015 | 14.766 |
| 10/17/2016 12:05:00 PM | 396300.000 | 72.522 | 17.994 |
| 165.301 | 28921.578 | 33389.844 | 21.076 |
| 22705.096 | 34.576 | 1.015 | 14.764 |
| 10/17/2016 12:10:00 PM | 396600.000 | 72.525 | 17.994 |

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|---|---|---|---|
| 165.306 | 28930.426 | 33399.660 | 21.083 |
| 22711.771 | 34.566 | 1.015 | 14.762 |
| 10/17/2016 12:15:00 PM | 396900.000 | 72.527 | 17.994 |
| 165.312 | 28926.371 | 33395.434 | 21.080 |
| 22708.895 | 34.571 | 1.015 | 14.760 |
| 10/17/2016 12:20:00 PM | 397200.000 | 72.530 | 17.994 |
| 165.317 | 28930.879 | 33400.508 | 21.084 |
| 22712.348 | 34.565 | 1.015 | 14.760 |
| 10/17/2016 12:25:00 PM | 397500.000 | 72.530 | 17.994 |
| 165.318 | 28923.082 | 33391.059 | 21.077 |
| 22705.922 | 34.574 | 1.015 | 14.761 |
| 10/17/2016 12:30:00 PM | 397800.000 | 72.529 | 17.994 |
| 165.317 | 28912.406 | 33378.930 | 21.069 |
| 22697.674 | 34.587 | 1.015 | 14.761 |
| 10/17/2016 12:35:00 PM | 398100.000 | 72.527 | 17.994 |
| 165.312 | 28925.070 | 33393.672 | 21.079 |
| 22707.699 | 34.572 | 1.015 | 14.763 |
| 10/17/2016 12:40:00 PM | 398400.000 | 72.529 | 17.994 |
| 165.316 | 28910.652 | 33377.094 | 21.067 |
| 22696.424 | 34.589 | 1.015 | 14.764 |
| 10/17/2016 12:45:00 PM | 398700.000 | 72.524 | 17.994 |
| 165.304 | 28916.621 | 33383.598 | 21.072 |
| 22700.848 | 34.582 | 1.015 | 14.765 |
| 10/17/2016 12:50:00 PM | 399000.000 | 72.528 | 17.994 |
| 165.314 | 28937.125 | 33407.336 | 21.088 |
| 22716.990 | 34.558 | 1.015 | 14.764 |
| 10/17/2016 12:55:00 PM | 399300.000 | 72.532 | 17.994 |
| 165.322 | 28937.018 | 33407.535 | 21.088 |
| 22717.127 | 34.558 | 1.015 | 14.762 |
| 10/17/2016 1:00:00 PM | 399600.000 | 72.535 | 17.994 |
| 165.330 | 28939.088 | 33409.793 | 21.090 |
| 22718.660 | 34.555 | 1.015 | 14.761 |
| 10/17/2016 1:05:00 PM | 399900.000 | 72.535 | 17.994 |
| 165.330 | 28924.846 | 33393.543 | 21.079 |
| 22707.611 | 34.572 | 1.015 | 14.761 |
| 10/17/2016 1:10:00 PM | 400200.000 | 72.537 | 17.994 |
| 165.334 | 28948.725 | 33421.051 | 21.098 |
| 22726.316 | 34.544 | 1.015 | 14.760 |
| 10/17/2016 1:15:00 PM | 400500.000 | 72.535 | 17.994 |
| 165.329 | 28930.570 | 33400.281 | 21.083 |
| 22712.193 | 34.566 | 1.015 | 14.760 |
| 10/17/2016 1:20:00 PM | 400800.000 | 72.535 | 17.994 |
| 165.330 | 28935.094 | 33405.121 | 21.087 |
| 22715.482 | 34.560 | 1.015 | 14.758 |
| 10/17/2016 1:25:00 PM | 401100.000 | 72.533 | 17.994 |
| 165.325 | 28935.297 | 33405.738 | 21.087 |
| 22715.904 | 34.560 | 1.015 | 14.757 |
| 10/17/2016 1:30:00 PM | 401400.000 | 72.542 | 17.995 |
| 165.345 | 28934.926 | 33404.531 | 21.086 |
| 22715.082 | 34.560 | 1.015 | 14.755 |
| 10/17/2016 1:35:00 PM | 401700.000 | 72.541 | 17.994 |
| 165.344 | 28935.848 | 33406.246 | 21.088 |
| 22716.250 | 34.559 | 1.015 | 14.755 |
| 10/17/2016 1:40:00 PM | 402000.000 | 72.515 | 17.994 |

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|---|---|---|---|
| 165.285 | 28927.037 | 33395.941 | 21.080 |
| 22709.242 | 34.570 | 1.015 | 14.754 |
| 10/17/2016 1:45:00 PM | 402300.000 | 72.536 | 17.994 |
| 165.333 | 28928.602 | 33397.555 | 21.082 |
| 22710.338 | 34.568 | 1.015 | 14.753 |
| 10/17/2016 1:50:00 PM | 402600.000 | 72.536 | 17.994 |
| 165.332 | 28912.213 | 33378.633 | 21.068 |
| 22697.471 | 34.587 | 1.015 | 14.753 |
| 10/17/2016 1:55:00 PM | 402900.000 | 72.541 | 17.995 |
| 165.343 | 28927.740 | 33395.984 | 21.081 |
| 22709.270 | 34.569 | 1.015 | 14.752 |
| 10/17/2016 2:00:00 PM | 403200.000 | 72.539 | 17.994 |
| 165.339 | 28926.098 | 33394.477 | 21.079 |
| 22708.244 | 34.571 | 1.015 | 14.751 |
| 10/17/2016 2:05:00 PM | 403500.000 | 72.536 | 17.994 |
| 165.333 | 28936.826 | 33406.863 | 21.088 |
| 22716.670 | 34.558 | 1.015 | 14.752 |
| 10/17/2016 2:10:00 PM | 403800.000 | 72.529 | 17.994 |
| 165.316 | 28917.752 | 33385.102 | 21.073 |
| 22701.869 | 34.581 | 1.015 | 14.754 |
| 10/17/2016 2:15:00 PM | 404100.000 | 72.529 | 17.994 |
| 165.315 | 28936.891 | 33407.258 | 21.088 |
| 22716.936 | 34.558 | 1.015 | 14.756 |
| 10/17/2016 2:20:00 PM | 404400.000 | 72.528 | 17.994 |
| 165.314 | 28913.748 | 33380.281 | 21.070 |
| 22698.594 | 34.586 | 1.015 | 14.755 |
| 10/17/2016 2:25:00 PM | 404700.000 | 72.525 | 17.994 |
| 165.306 | 28917.238 | 33384.566 | 21.073 |
| 22701.508 | 34.581 | 1.015 | 14.755 |
| 10/17/2016 2:30:00 PM | 405000.000 | 72.528 | 17.994 |
| 165.314 | 28938.439 | 33409.309 | 21.090 |
| 22718.330 | 34.556 | 1.015 | 14.755 |
| 10/17/2016 2:35:00 PM | 405300.000 | 72.501 | 17.994 |
| 165.253 | 28926.582 | 33395.223 | 21.080 |
| 22708.754 | 34.570 | 1.015 | 14.755 |
| 10/17/2016 2:40:00 PM | 405600.000 | 72.521 | 17.994 |
| 165.297 | 28922.639 | 33390.484 | 21.077 |
| 22705.529 | 34.575 | 1.015 | 14.755 |
| 10/17/2016 2:45:00 PM | 405900.000 | 72.519 | 17.994 |
| 165.292 | 28929.951 | 33399.055 | 21.083 |
| 22711.359 | 34.566 | 1.015 | 14.756 |
| 10/17/2016 2:50:00 PM | 406200.000 | 72.500 | 17.995 |
| 165.250 | 28918.664 | 33385.570 | 21.073 |
| 22702.189 | 34.580 | 1.015 | 14.753 |
| 10/17/2016 2:55:00 PM | 406500.000 | 72.517 | 17.994 |
| 165.289 | 28929.707 | 33398.773 | 21.082 |
| 22711.166 | 34.567 | 1.015 | 14.750 |
| 10/17/2016 3:00:00 PM | 406800.000 | 72.520 | 17.994 |
| 165.295 | 28941.344 | 33412.207 | 21.092 |
| 22720.303 | 34.553 | 1.015 | 14.748 |
| 10/17/2016 3:05:00 PM | 407100.000 | 72.517 | 17.994 |
| 165.289 | 28936.598 | 33406.727 | 21.088 |
| 22716.576 | 34.558 | 1.015 | 14.748 |
| 10/17/2016 3:10:00 PM | 407400.000 | 72.512 | 17.994 |

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| 165.278 | 28936.496 | 33406.934 | 21.088 |
| 22716.717 | 34.558 | 1.015 | 14.749 |
| 10/17/2016 3:15:00 PM | 407700.000 | 72.512 | 17.994 |
| 165.276 | 28931.770 | 33401.211 | 21.084 |
| 22712.826 | 34.564 | 1.015 | 14.750 |
| 10/17/2016 3:20:00 PM | 408000.000 | 72.503 | 17.994 |
| 165.257 | 28934.166 | 33403.852 | 21.086 |
| 22714.621 | 34.561 | 1.015 | 14.748 |
| 10/17/2016 3:25:00 PM | 408300.000 | 72.512 | 17.995 |
| 165.278 | 28930.105 | 33398.969 | 21.083 |
| 22711.301 | 34.566 | 1.015 | 14.746 |
| 10/17/2016 3:30:00 PM | 408600.000 | 72.506 | 17.994 |
| 165.262 | 28927.900 | 33396.559 | 21.081 |
| 22709.662 | 34.569 | 1.015 | 14.744 |
| 10/17/2016 3:35:00 PM | 408900.000 | 72.502 | 17.994 |
| 165.254 | 28937.154 | 33407.691 | 21.089 |
| 22717.232 | 34.558 | 1.015 | 14.748 |
| 10/17/2016 3:40:00 PM | 409200.000 | 72.495 | 17.994 |
| 165.239 | 28924.451 | 33392.703 | 21.078 |
| 22707.041 | 34.573 | 1.015 | 14.751 |
| 10/17/2016 3:45:00 PM | 409500.000 | 72.486 | 17.994 |
| 165.219 | 28929.182 | 33398.418 | 21.082 |
| 22710.924 | 34.567 | 1.015 | 14.754 |
| 10/17/2016 3:50:00 PM | 409800.000 | 72.463 | 17.994 |
| 165.165 | 28916.811 | 33384.395 | 21.072 |
| 22701.389 | 34.582 | 1.015 | 14.752 |
| 10/17/2016 3:55:00 PM | 410100.000 | 72.487 | 17.994 |
| 165.220 | 28938.283 | 33409.059 | 21.090 |
| 22718.160 | 34.556 | 1.015 | 14.749 |
| 10/17/2016 4:00:00 PM | 410400.000 | 72.489 | 17.994 |
| 165.225 | 28922.508 | 33390.332 | 21.077 |
| 22705.428 | 34.575 | 1.015 | 14.747 |
| 10/17/2016 4:05:00 PM | 410700.000 | 72.482 | 17.994 |
| 165.210 | 28932.229 | 33401.938 | 21.085 |
| 22713.320 | 34.564 | 1.015 | 14.749 |
| 10/17/2016 4:10:00 PM | 411000.000 | 72.471 | 17.994 |
| 165.185 | 28928.949 | 33397.953 | 21.082 |
| 22710.609 | 34.567 | 1.015 | 14.752 |
| 10/17/2016 4:15:00 PM | 411300.000 | 72.450 | 17.994 |
| 165.135 | 28919.598 | 33387.230 | 21.074 |
| 22703.318 | 34.579 | 1.015 | 14.755 |
| 10/17/2016 4:20:00 PM | 411600.000 | 72.462 | 17.994 |
| 165.164 | 28920.346 | 33387.965 | 21.075 |
| 22703.816 | 34.578 | 1.015 | 14.752 |
| 10/17/2016 4:25:00 PM | 411900.000 | 72.469 | 17.994 |
| 165.178 | 28946.080 | 33417.805 | 21.096 |
| 22724.107 | 34.547 | 1.015 | 14.750 |
| 10/17/2016 4:30:00 PM | 412200.000 | 72.466 | 17.994 |
| 165.172 | 28924.221 | 33392.691 | 21.078 |
| 22707.033 | 34.573 | 1.015 | 14.747 |
| 10/17/2016 4:35:00 PM | 412500.000 | 72.463 | 17.994 |
| 165.165 | 28913.191 | 33379.957 | 21.069 |
| 22698.371 | 34.586 | 1.015 | 14.747 |
| 10/17/2016 4:40:00 PM | 412800.000 | 72.454 | 17.995 |

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| 165.144 | 28922.857 | 33390.602 | 21.077 |
| 22705.609 | 34.575 | 1.015 | 14.747 |
| 10/17/2016 4:45:00 PM | 413100.000 | 72.453 | 17.994 |
| 165.142 | 28945.779 | 33417.520 | 21.095 |
| 22723.916 | 34.547 | 1.015 | 14.747 |
| 10/17/2016 4:50:00 PM | 413400.000 | 72.433 | 17.993 |
| 165.097 | 28941.783 | 33413.293 | 21.092 |
| 22721.041 | 34.552 | 1.015 | 14.746 |
| 10/17/2016 4:55:00 PM | 413700.000 | 72.446 | 17.994 |
| 165.127 | 28941.883 | 33413.020 | 21.092 |
| 22720.854 | 34.552 | 1.015 | 14.746 |
| 10/17/2016 5:00:00 PM | 414000.000 | 72.445 | 17.994 |
| 165.124 | 28921.422 | 33389.340 | 21.076 |
| 22704.754 | 34.576 | 1.015 | 14.746 |
| 10/17/2016 5:05:00 PM | 414300.000 | 72.438 | 17.994 |
| 165.109 | 28932.484 | 33402.109 | 21.085 |
| 22713.436 | 34.563 | 1.015 | 14.746 |
| 10/17/2016 5:10:00 PM | 414600.000 | 72.439 | 17.994 |
| 165.111 | 28926.662 | 33395.191 | 21.080 |
| 22708.730 | 34.570 | 1.015 | 14.746 |
| 10/17/2016 5:15:00 PM | 414900.000 | 72.436 | 17.994 |
| 165.104 | 28914.475 | 33381.059 | 21.070 |
| 22699.119 | 34.585 | 1.015 | 14.747 |
| 10/17/2016 5:20:00 PM | 415200.000 | 72.433 | 17.994 |
| 165.096 | 28925.088 | 33393.824 | 21.079 |
| 22707.803 | 34.572 | 1.015 | 14.745 |
| 10/17/2016 5:25:00 PM | 415500.000 | 72.424 | 17.994 |
| 165.077 | 28933.668 | 33403.730 | 21.086 |
| 22714.539 | 34.562 | 1.015 | 14.744 |
| 10/17/2016 5:30:00 PM | 415800.000 | 72.423 | 17.994 |
| 165.075 | 28931.463 | 33400.801 | 21.084 |
| 22712.545 | 34.564 | 1.015 | 14.742 |
| 10/17/2016 5:35:00 PM | 416100.000 | 72.418 | 17.994 |
| 165.064 | 28924.602 | 33392.879 | 21.078 |
| 22707.158 | 34.573 | 1.015 | 14.743 |
| 10/17/2016 5:40:00 PM | 416400.000 | 72.421 | 17.994 |
| 165.069 | 28937.867 | 33408.250 | 21.089 |
| 22717.611 | 34.557 | 1.015 | 14.744 |
| 10/17/2016 5:45:00 PM | 416700.000 | 72.414 | 17.994 |
| 165.053 | 28939.471 | 33410.297 | 21.090 |
| 22719.004 | 34.555 | 1.015 | 14.744 |
| 10/17/2016 5:50:00 PM | 417000.000 | 72.416 | 17.994 |
| 165.060 | 28923.377 | 33391.594 | 21.077 |
| 22706.283 | 34.574 | 1.015 | 14.744 |
| 10/17/2016 5:55:00 PM | 417300.000 | 72.409 | 17.994 |
| 165.041 | 28913.385 | 33380.313 | 21.070 |
| 22698.613 | 34.586 | 1.015 | 14.743 |
| 10/17/2016 6:00:00 PM | 417600.000 | 72.410 | 17.994 |
| 165.044 | 28929.600 | 33398.781 | 21.082 |
| 22711.172 | 34.567 | 1.015 | 14.743 |
| 10/17/2016 6:05:00 PM | 417900.000 | 72.401 | 17.995 |
| 165.023 | 28923.014 | 33390.781 | 21.077 |
| 22705.734 | 34.575 | 1.015 | 14.744 |
| 10/17/2016 6:10:00 PM | 418200.000 | 72.395 | 17.994 |

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|---|---|---|---|
| 165.011 | 28923.908 | 33392.078 | 21.078 |
| 22706.613 | 34.573 | 1.015 | 14.745 |
| 10/17/2016 6:15:00 PM | 418500.000 | 72.398 | 17.994 |
| 165.018 | 28935.271 | 33405.711 | 21.087 |
| 22715.883 | 34.560 | 1.015 | 14.746 |
| 10/17/2016 6:20:00 PM | 418800.000 | 72.391 | 17.994 |
| 165.002 | 28929.676 | 33398.926 | 21.083 |
| 22711.271 | 34.567 | 1.015 | 14.745 |
| 10/17/2016 6:25:00 PM | 419100.000 | 72.393 | 17.994 |
| 165.005 | 28924.580 | 33392.984 | 21.078 |
| 22707.232 | 34.573 | 1.015 | 14.743 |
| 10/17/2016 6:30:00 PM | 419400.000 | 72.389 | 17.994 |
| 164.997 | 28925.133 | 33393.746 | 21.079 |
| 22707.748 | 34.572 | 1.015 | 14.742 |
| 10/17/2016 6:35:00 PM | 419700.000 | 72.388 | 17.994 |
| 164.994 | 28929.273 | 33398.523 | 21.082 |
| 22710.996 | 34.567 | 1.015 | 14.743 |
| 10/17/2016 6:40:00 PM | 420000.000 | 72.383 | 17.994 |
| 164.982 | 28922.602 | 33390.441 | 21.077 |
| 22705.502 | 34.575 | 1.015 | 14.743 |
| 10/17/2016 6:45:00 PM | 420300.000 | 72.376 | 17.994 |
| 164.966 | 28919.982 | 33387.676 | 21.075 |
| 22703.621 | 34.578 | 1.015 | 14.744 |
| 10/17/2016 6:50:00 PM | 420600.000 | 72.376 | 17.994 |
| 164.967 | 28924.387 | 33392.820 | 21.078 |
| 22707.119 | 34.573 | 1.015 | 14.743 |
| 10/17/2016 6:55:00 PM | 420900.000 | 72.380 | 17.994 |
| 164.976 | 28938.930 | 33409.805 | 21.090 |
| 22718.670 | 34.556 | 1.015 | 14.743 |
| 10/17/2016 7:00:00 PM | 421200.000 | 72.372 | 17.994 |
| 164.958 | 28919.029 | 33386.699 | 21.074 |
| 22702.955 | 34.579 | 1.015 | 14.742 |
| 10/17/2016 7:05:00 PM | 421500.000 | 72.372 | 17.994 |
| 164.958 | 28923.402 | 33391.684 | 21.077 |
| 22706.346 | 34.574 | 1.015 | 14.744 |
| 10/17/2016 7:10:00 PM | 421800.000 | 72.367 | 17.994 |
| 164.947 | 28914.629 | 33381.234 | 21.070 |
| 22699.242 | 34.585 | 1.015 | 14.745 |
| 10/17/2016 7:15:00 PM | 422100.000 | 72.362 | 17.994 |
| 164.934 | 28930.178 | 33399.250 | 21.083 |
| 22711.490 | 34.566 | 1.015 | 14.747 |
| 10/17/2016 7:20:00 PM | 422400.000 | 72.363 | 17.994 |
| 164.938 | 28935.842 | 33405.984 | 21.087 |
| 22716.072 | 34.559 | 1.015 | 14.748 |
| 10/17/2016 7:25:00 PM | 422700.000 | 72.360 | 17.994 |
| 164.931 | 28935.615 | 33405.527 | 21.087 |
| 22715.762 | 34.559 | 1.015 | 14.749 |
| 10/17/2016 7:30:00 PM | 423000.000 | 72.359 | 17.993 |
| 164.928 | 28937.197 | 33408.063 | 21.089 |
| 22717.484 | 34.558 | 1.015 | 14.750 |
| 10/17/2016 7:35:00 PM | 423300.000 | 72.356 | 17.994 |
| 164.922 | 28925.916 | 33394.719 | 21.080 |
| 22708.408 | 34.571 | 1.015 | 14.751 |
| 10/17/2016 7:40:00 PM | 423600.000 | 72.352 | 17.993 |

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|---|---|---|---|
| 164.912 | 28925.402 | 33394.383 | 21.079 |
| 22708.182 | 34.572 | 1.015 | 14.752 |
| 10/17/2016 7:45:00 PM | 423900.000 | 72.355 | 17.994 |
| 164.919 | 28915.494 | 33382.617 | 21.071 |
| 22700.180 | 34.584 | 1.015 | 14.753 |
| 10/17/2016 7:50:00 PM | 424200.000 | 72.353 | 17.994 |
| 164.916 | 28925.533 | 33393.953 | 21.079 |
| 22707.889 | 34.572 | 1.015 | 14.754 |
| 10/17/2016 7:55:00 PM | 424500.000 | 72.352 | 17.993 |
| 164.911 | 28937.699 | 33408.641 | 21.089 |
| 22717.877 | 34.557 | 1.015 | 14.755 |
| 10/17/2016 8:00:00 PM | 424800.000 | 72.348 | 17.994 |
| 164.903 | 28931.000 | 33400.457 | 21.084 |
| 22712.311 | 34.565 | 1.015 | 14.756 |
| 10/17/2016 8:05:00 PM | 425100.000 | 72.348 | 17.994 |
| 164.904 | 28923.820 | 33392.035 | 21.078 |
| 22706.584 | 34.574 | 1.015 | 14.755 |
| 10/17/2016 8:10:00 PM | 425400.000 | 72.351 | 17.994 |
| 164.910 | 28932.412 | 33402.277 | 21.085 |
| 22713.551 | 34.563 | 1.015 | 14.755 |
| 10/17/2016 8:15:00 PM | 425700.000 | 72.350 | 17.994 |
| 164.907 | 28934.047 | 33404.168 | 21.086 |
| 22714.834 | 34.561 | 1.015 | 14.755 |
| 10/17/2016 8:20:00 PM | 426000.000 | 72.351 | 17.994 |
| 164.911 | 28937.969 | 33408.309 | 21.089 |
| 22717.652 | 34.557 | 1.015 | 14.753 |
| 10/17/2016 8:25:00 PM | 426300.000 | 72.351 | 17.994 |
| 164.910 | 28923.775 | 33392.379 | 21.078 |
| 22706.820 | 34.574 | 1.015 | 14.751 |
| 10/17/2016 8:30:00 PM | 426600.000 | 72.353 | 17.994 |
| 164.914 | 28934.553 | 33404.496 | 21.086 |
| 22715.057 | 34.561 | 1.015 | 14.749 |
| 10/17/2016 8:35:00 PM | 426900.000 | 72.331 | 17.994 |
| 164.864 | 28925.670 | 33394.242 | 21.079 |
| 22708.086 | 34.571 | 1.015 | 14.753 |
| 10/17/2016 8:40:00 PM | 427200.000 | 72.348 | 17.994 |
| 164.904 | 28930.701 | 33400.109 | 21.083 |
| 22712.076 | 34.565 | 1.015 | 14.758 |
| 10/17/2016 8:45:00 PM | 427500.000 | 72.336 | 17.994 |
| 164.876 | 28926.141 | 33394.527 | 21.079 |
| 22708.281 | 34.571 | 1.015 | 14.762 |
| 10/17/2016 8:50:00 PM | 427800.000 | 72.347 | 17.994 |
| 164.901 | 28923.758 | 33392.418 | 21.078 |
| 22706.844 | 34.574 | 1.015 | 14.762 |
| 10/17/2016 8:55:00 PM | 428100.000 | 72.343 | 17.994 |
| 164.893 | 28930.945 | 33400.203 | 21.083 |
| 22712.139 | 34.565 | 1.015 | 14.761 |
| 10/17/2016 9:00:00 PM | 428400.000 | 72.346 | 17.995 |
| 164.899 | 28924.570 | 33392.648 | 21.078 |
| 22707.002 | 34.573 | 1.015 | 14.761 |
| 10/17/2016 9:05:00 PM | 428700.000 | 72.347 | 17.994 |
| 164.902 | 28936.334 | 33406.676 | 21.088 |
| 22716.539 | 34.559 | 1.015 | 14.761 |
| 10/17/2016 9:10:00 PM | 429000.000 | 72.351 | 17.994 |

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|---|---|---|---|
| 164.911 | 28917.977 | 33385.164 | 21.073 |
| 22701.914 | 34.581 | 1.015 | 14.761 |
| 10/17/2016 9:15:00 PM | 429300.000 | 72.351 | 17.994 |
| 164.910 | 28933.467 | 33403.047 | 21.085 |
| 22714.072 | 34.562 | 1.015 | 14.761 |
| 10/17/2016 9:20:00 PM | 429600.000 | 72.345 | 17.994 |
| 164.896 | 28924.656 | 33393.262 | 21.079 |
| 22707.418 | 34.573 | 1.015 | 14.762 |
| 10/17/2016 9:25:00 PM | 429900.000 | 72.353 | 17.994 |
| 164.915 | 28911.418 | 33378.043 | 21.068 |
| 22697.070 | 34.588 | 1.015 | 14.763 |
| 10/17/2016 9:30:00 PM | 430200.000 | 72.350 | 17.995 |
| 164.908 | 28936.359 | 33406.258 | 21.088 |
| 22716.258 | 34.559 | 1.015 | 14.764 |
| 10/17/2016 9:35:00 PM | 430500.000 | 72.355 | 17.994 |
| 164.919 | 28946.195 | 33417.742 | 21.096 |
| 22724.066 | 34.547 | 1.015 | 14.762 |
| 10/17/2016 9:40:00 PM | 430800.000 | 72.356 | 17.994 |
| 164.921 | 28924.066 | 33392.133 | 21.078 |
| 22706.652 | 34.573 | 1.015 | 14.760 |
| 10/17/2016 9:45:00 PM | 431100.000 | 72.358 | 17.994 |
| 164.925 | 28931.500 | 33401.094 | 21.084 |
| 22712.746 | 34.564 | 1.015 | 14.758 |
| 10/17/2016 9:50:00 PM | 431400.000 | 72.340 | 17.994 |
| 164.885 | 28933.691 | 33403.758 | 21.086 |
| 22714.557 | 34.562 | 1.015 | 14.760 |
| 10/17/2016 9:55:00 PM | 431700.000 | 72.363 | 17.995 |
| 164.937 | 28930.357 | 33399.203 | 21.083 |
| 22711.461 | 34.566 | 1.015 | 14.761 |
| 10/17/2016 10:00:00 PM | 432000.000 | 72.360 | 17.994 |
| 164.931 | 28929.004 | 33398.281 | 21.082 |
| 22710.832 | 34.567 | 1.015 | 14.763 |
| 10/17/2016 10:05:00 PM | 432300.000 | 72.367 | 17.994 |
| 164.946 | 28916.242 | 33383.160 | 21.072 |
| 22700.551 | 34.583 | 1.015 | 14.764 |
| 10/17/2016 10:10:00 PM | 432600.000 | 72.365 | 17.994 |
| 164.942 | 28931.703 | 33401.461 | 21.084 |
| 22712.996 | 34.564 | 1.015 | 14.765 |
| 10/17/2016 10:15:00 PM | 432900.000 | 72.370 | 17.995 |
| 164.953 | 28929.713 | 33398.582 | 21.082 |
| 22711.037 | 34.567 | 1.015 | 14.766 |
| 10/17/2016 10:20:00 PM | 433200.000 | 72.344 | 17.994 |
| 164.894 | 28930.654 | 33400.188 | 21.083 |
| 22712.127 | 34.565 | 1.015 | 14.766 |
| 10/17/2016 10:25:00 PM | 433500.000 | 72.372 | 17.994 |
| 164.959 | 28935.293 | 33405.156 | 21.087 |
| 22715.508 | 34.560 | 1.015 | 14.766 |
| 10/17/2016 10:30:00 PM | 433800.000 | 72.374 | 17.994 |
| 164.964 | 28933.824 | 33403.910 | 21.086 |
| 22714.658 | 34.562 | 1.015 | 14.766 |
| 10/17/2016 10:35:00 PM | 434100.000 | 72.377 | 17.994 |
| 164.969 | 28927.162 | 33395.770 | 21.080 |
| 22709.123 | 34.570 | 1.015 | 14.766 |
| 10/17/2016 10:40:00 PM | 434400.000 | 72.376 | 17.994 |

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|---|---|---|---|
| 164.967 | 28927.637 | 33396.574 | 21.081 |
| 22709.672 | 34.569 | 1.015 | 14.767 |
| 10/17/2016 10:45:00 PM | 434700.000 | 72.381 | 17.994 |
| 164.978 | 28931.014 | 33400.664 | 21.084 |
| 22712.451 | 34.565 | 1.015 | 14.767 |
| 10/17/2016 10:50:00 PM | 435000.000 | 72.386 | 17.995 |
| 164.990 | 28938.631 | 33408.809 | 21.089 |
| 22717.990 | 34.556 | 1.015 | 14.768 |
| 10/17/2016 10:55:00 PM | 435300.000 | 72.387 | 17.994 |
| 164.993 | 28927.063 | 33395.652 | 21.080 |
| 22709.043 | 34.570 | 1.015 | 14.768 |
| 10/17/2016 11:00:00 PM | 435600.000 | 72.384 | 17.994 |
| 164.986 | 28933.211 | 33402.949 | 21.085 |
| 22714.006 | 34.562 | 1.015 | 14.769 |
| 10/17/2016 11:05:00 PM | 435900.000 | 72.386 | 17.994 |
| 164.990 | 28930.896 | 33400.336 | 21.084 |
| 22712.229 | 34.565 | 1.015 | 14.770 |
| 10/17/2016 11:10:00 PM | 436200.000 | 72.370 | 17.995 |
| 164.953 | 28939.094 | 33409.414 | 21.090 |
| 22718.402 | 34.555 | 1.015 | 14.771 |
| 10/17/2016 11:15:00 PM | 436500.000 | 72.395 | 17.994 |
| 165.009 | 28920.170 | 33388.016 | 21.075 |
| 22703.852 | 34.578 | 1.015 | 14.773 |
| 10/17/2016 11:20:00 PM | 436800.000 | 72.394 | 17.994 |
| 165.008 | 28931.064 | 33400.211 | 21.083 |
| 22712.145 | 34.565 | 1.015 | 14.773 |
| 10/17/2016 11:25:00 PM | 437100.000 | 72.380 | 17.994 |
| 164.977 | 28934.313 | 33404.148 | 21.086 |
| 22714.820 | 34.561 | 1.015 | 14.774 |
| 10/17/2016 11:30:00 PM | 437400.000 | 72.399 | 17.994 |
| 165.019 | 28924.172 | 33392.574 | 21.078 |
| 22706.953 | 34.573 | 1.015 | 14.775 |
| 10/17/2016 11:35:00 PM | 437700.000 | 72.403 | 17.995 |
| 165.028 | 28935.637 | 33405.422 | 21.087 |
| 22715.689 | 34.559 | 1.015 | 14.775 |
| 10/17/2016 11:40:00 PM | 438000.000 | 72.401 | 17.994 |
| 165.025 | 28927.072 | 33395.863 | 21.080 |
| 22709.188 | 34.570 | 1.015 | 14.775 |
| 10/17/2016 11:45:00 PM | 438300.000 | 72.406 | 17.994 |
| 165.036 | 28932.207 | 33401.531 | 21.084 |
| 22713.041 | 34.564 | 1.015 | 14.776 |
| 10/17/2016 11:50:00 PM | 438600.000 | 72.412 | 17.994 |
| 165.050 | 28925.570 | 33394.188 | 21.079 |
| 22708.049 | 34.571 | 1.015 | 14.776 |
| 10/17/2016 11:55:00 PM | 438900.000 | 72.412 | 17.994 |
| 165.050 | 28939.035 | 33409.730 | 21.090 |
| 22718.619 | 34.555 | 1.015 | 14.777 |
| 10/18/2016 12:00:00 AM | 439200.000 | 72.413 | 17.994 |
| 165.051 | 28930.551 | 33399.938 | 21.083 |
| 22711.957 | 34.566 | 1.015 | 14.778 |
| 10/18/2016 12:05:00 AM | 439500.000 | 72.393 | 17.994 |
| 165.005 | 28938.604 | 33409.102 | 21.090 |
| 22718.191 | 34.556 | 1.015 | 14.779 |
| 10/18/2016 12:10:00 AM | 439800.000 | 72.418 | 17.994 |

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|---|---|---|---|
| 165.063 | 28939.705 | 33410.566 | 21.091 |
| 22719.188 | 34.555 | 1.015 | 14.779 |
| 10/18/2016 12:15:00 AM | 440100.000 | 72.421 | 17.994 |
| 165.070 | 28939.885 | 33410.715 | 21.091 |
| 22719.287 | 34.554 | 1.015 | 14.780 |
| 10/18/2016 12:20:00 AM | 440400.000 | 72.418 | 17.995 |
| 165.064 | 28933.311 | 33402.738 | 21.085 |
| 22713.861 | 34.562 | 1.015 | 14.780 |
| 10/18/2016 12:25:00 AM | 440700.000 | 72.428 | 17.995 |
| 165.085 | 28925.732 | 33393.918 | 21.079 |
| 22707.867 | 34.571 | 1.015 | 14.781 |
| 10/18/2016 12:30:00 AM | 441000.000 | 72.425 | 17.994 |
| 165.080 | 28934.682 | 33404.836 | 21.087 |
| 22715.291 | 34.561 | 1.015 | 14.782 |
| 10/18/2016 12:35:00 AM | 441300.000 | 72.432 | 17.994 |
| 165.095 | 28924.352 | 33393.102 | 21.078 |
| 22707.311 | 34.573 | 1.015 | 14.781 |
| 10/18/2016 12:40:00 AM | 441600.000 | 72.431 | 17.994 |
| 165.094 | 28943.387 | 33414.758 | 21.094 |
| 22722.037 | 34.550 | 1.015 | 14.781 |
| 10/18/2016 12:45:00 AM | 441900.000 | 72.436 | 17.994 |
| 165.103 | 28933.533 | 33403.121 | 21.085 |
| 22714.125 | 34.562 | 1.015 | 14.780 |
| 10/18/2016 12:50:00 AM | 442200.000 | 72.438 | 17.995 |
| 165.109 | 28931.662 | 33400.836 | 21.084 |
| 22712.570 | 34.564 | 1.015 | 14.782 |
| 10/18/2016 12:55:00 AM | 442500.000 | 72.436 | 17.994 |
| 165.103 | 28936.180 | 33406.496 | 21.088 |
| 22716.420 | 34.559 | 1.015 | 14.783 |
| 10/18/2016 1:00:00 AM | 442800.000 | 72.421 | 17.995 |
| 165.070 | 28939.576 | 33409.902 | 21.090 |
| 22718.734 | 34.555 | 1.015 | 14.784 |
| 10/18/2016 1:05:00 AM | 443100.000 | 72.443 | 17.994 |
| 165.119 | 28934.377 | 33404.484 | 21.086 |
| 22715.049 | 34.561 | 1.015 | 14.783 |
| 10/18/2016 1:10:00 AM | 443400.000 | 72.445 | 17.994 |
| 165.125 | 28949.279 | 33421.621 | 21.098 |
| 22726.703 | 34.543 | 1.015 | 14.782 |
| 10/18/2016 1:15:00 AM | 443700.000 | 72.453 | 17.994 |
| 165.142 | 28928.900 | 33398.164 | 21.082 |
| 22710.752 | 34.568 | 1.015 | 14.780 |
| 10/18/2016 1:20:00 AM | 444000.000 | 72.452 | 17.994 |
| 165.140 | 28931.838 | 33401.164 | 21.084 |
| 22712.791 | 34.564 | 1.015 | 14.782 |
| 10/18/2016 1:25:00 AM | 444300.000 | 72.450 | 17.994 |
| 165.135 | 28941.494 | 33412.379 | 21.092 |
| 22720.418 | 34.552 | 1.015 | 14.784 |
| 10/18/2016 1:30:00 AM | 444600.000 | 72.448 | 17.994 |
| 165.131 | 28939.871 | 33410.379 | 21.090 |
| 22719.059 | 34.554 | 1.015 | 14.786 |
| 10/18/2016 1:35:00 AM | 444900.000 | 72.455 | 17.994 |
| 165.147 | 28947.313 | 33419.289 | 21.097 |
| 22725.119 | 34.546 | 1.015 | 14.786 |
| 10/18/2016 1:40:00 AM | 445200.000 | 72.457 | 17.994 |

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|---|---|---|---|
| 165.153 | 28947.445 | 33419.637 | 21.097 |
| 22725.355 | 34.545 | 1.015 | 14.785 |
| 10/18/2016 1:45:00 AM | 445500.000 | 72.453 | 17.994 |
| 165.142 | 28920.107 | 33387.563 | 21.075 |
| 22703.545 | 34.578 | 1.015 | 14.785 |
| 10/18/2016 1:50:00 AM | 445800.000 | 72.458 | 17.994 |
| 165.155 | 28934.406 | 33404.070 | 21.086 |
| 22714.770 | 34.561 | 1.015 | 14.784 |
| 10/18/2016 1:55:00 AM | 446100.000 | 72.457 | 17.994 |
| 165.151 | 28916.701 | 33383.949 | 21.072 |
| 22701.088 | 34.582 | 1.015 | 14.784 |
| 10/18/2016 2:00:00 AM | 446400.000 | 72.459 | 17.994 |
| 165.156 | 28944.537 | 33416.023 | 21.094 |
| 22722.898 | 34.549 | 1.015 | 14.784 |
| 10/18/2016 2:05:00 AM | 446700.000 | 72.459 | 17.994 |
| 165.156 | 28937.688 | 33408.238 | 21.089 |
| 22717.602 | 34.557 | 1.015 | 14.784 |
| 10/18/2016 2:10:00 AM | 447000.000 | 72.458 | 17.994 |
| 165.155 | 28931.260 | 33400.949 | 21.084 |
| 22712.648 | 34.565 | 1.015 | 14.784 |
| 10/18/2016 2:15:00 AM | 447300.000 | 72.462 | 17.994 |
| 165.163 | 28944.822 | 33416.223 | 21.095 |
| 22723.031 | 34.548 | 1.015 | 14.784 |
| 10/18/2016 2:20:00 AM | 447600.000 | 72.459 | 17.994 |
| 165.157 | 28937.711 | 33408.469 | 21.089 |
| 22717.760 | 34.557 | 1.015 | 14.785 |
| 10/18/2016 2:25:00 AM | 447900.000 | 72.457 | 17.994 |
| 165.151 | 28936.506 | 33406.555 | 21.088 |
| 22716.457 | 34.558 | 1.015 | 14.786 |
| 10/18/2016 2:30:00 AM | 448200.000 | 72.466 | 17.994 |
| 165.172 | 28948.613 | 33420.531 | 21.098 |
| 22725.961 | 34.544 | 1.015 | 14.787 |
| 10/18/2016 2:35:00 AM | 448500.000 | 72.465 | 17.994 |
| 165.171 | 28928.801 | 33397.918 | 21.082 |
| 22710.584 | 34.568 | 1.015 | 14.787 |
| 10/18/2016 2:40:00 AM | 448800.000 | 72.465 | 17.994 |
| 165.170 | 28940.422 | 33411.656 | 21.091 |
| 22719.928 | 34.554 | 1.015 | 14.787 |
| 10/18/2016 2:45:00 AM | 449100.000 | 72.466 | 17.994 |
| 165.173 | 28927.746 | 33396.699 | 21.081 |
| 22709.758 | 34.569 | 1.015 | 14.788 |
| 10/18/2016 2:50:00 AM | 449400.000 | 72.463 | 17.994 |
| 165.165 | 28935.908 | 33406.121 | 21.088 |
| 22716.164 | 34.559 | 1.015 | 14.787 |
| 10/18/2016 2:55:00 AM | 449700.000 | 72.464 | 17.994 |
| 165.169 | 28923.063 | 33391.230 | 21.077 |
| 22706.037 | 34.574 | 1.015 | 14.787 |
| 10/18/2016 3:00:00 AM | 450000.000 | 72.464 | 17.994 |
| 165.168 | 28932.980 | 33402.422 | 21.085 |
| 22713.648 | 34.563 | 1.015 | 14.787 |
| 10/18/2016 3:05:00 AM | 450300.000 | 72.466 | 17.994 |
| 165.173 | 28922.758 | 33391.004 | 21.077 |
| 22705.883 | 34.575 | 1.015 | 14.785 |
| 10/18/2016 3:10:00 AM | 450600.000 | 72.446 | 17.994 |

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| 165.127 | 28945.168 | 33417.078 | 21.095 |
| 22723.613 | 34.548 | 1.015 | 14.783 |
| 10/18/2016 3:15:00 AM | 450900.000 | 72.469 | 17.995 |
| 165.179 | 28935.209 | 33404.734 | 21.087 |
| 22715.219 | 34.560 | 1.015 | 14.781 |
| 10/18/2016 3:20:00 AM | 451200.000 | 72.468 | 17.994 |
| 165.177 | 28933.865 | 33403.824 | 21.086 |
| 22714.604 | 34.562 | 1.015 | 14.782 |
| 10/18/2016 3:25:00 AM | 451500.000 | 72.444 | 17.994 |
| 165.123 | 28945.809 | 33417.234 | 21.095 |
| 22723.721 | 34.547 | 1.015 | 14.783 |
| 10/18/2016 3:30:00 AM | 451800.000 | 72.468 | 17.994 |
| 165.176 | 28932.275 | 33401.738 | 21.084 |
| 22713.182 | 34.563 | 1.015 | 14.784 |
| 10/18/2016 3:35:00 AM | 452100.000 | 72.466 | 17.994 |
| 165.172 | 28919.559 | 33387.309 | 21.074 |
| 22703.371 | 34.579 | 1.015 | 14.784 |
| 10/18/2016 3:40:00 AM | 452400.000 | 72.446 | 17.995 |
| 165.126 | 28933.986 | 33403.324 | 21.086 |
| 22714.260 | 34.561 | 1.015 | 14.785 |
| 10/18/2016 3:45:00 AM | 452700.000 | 72.460 | 17.994 |
| 165.159 | 28930.832 | 33400.070 | 21.083 |
| 22712.049 | 34.565 | 1.015 | 14.785 |
| 10/18/2016 3:50:00 AM | 453000.000 | 72.462 | 17.995 |
| 165.163 | 28932.271 | 33401.277 | 21.084 |
| 22712.869 | 34.563 | 1.015 | 14.784 |
| 10/18/2016 3:55:00 AM | 453300.000 | 72.468 | 17.995 |
| 165.177 | 28933.416 | 33402.469 | 21.085 |
| 22713.680 | 34.562 | 1.015 | 14.783 |
| 10/18/2016 4:00:00 AM | 453600.000 | 72.465 | 17.994 |
| 165.169 | 28937.516 | 33408.039 | 21.089 |
| 22717.469 | 34.557 | 1.015 | 14.781 |
| 10/18/2016 4:05:00 AM | 453900.000 | 72.463 | 17.994 |
| 165.165 | 28939.889 | 33410.656 | 21.091 |
| 22719.248 | 34.554 | 1.015 | 14.783 |
| 10/18/2016 4:10:00 AM | 454200.000 | 72.459 | 17.995 |
| 165.157 | 28938.945 | 33409.242 | 21.090 |
| 22718.287 | 34.556 | 1.015 | 14.784 |
| 10/18/2016 4:15:00 AM | 454500.000 | 72.457 | 17.994 |
| 165.152 | 28929.965 | 33399.129 | 21.083 |
| 22711.408 | 34.566 | 1.015 | 14.785 |
| 10/18/2016 4:20:00 AM | 454800.000 | 72.457 | 17.994 |
| 165.153 | 28935.605 | 33406.094 | 21.087 |
| 22716.146 | 34.559 | 1.015 | 14.785 |
| 10/18/2016 4:25:00 AM | 455100.000 | 72.457 | 17.993 |
| 165.152 | 28928.152 | 33397.555 | 21.082 |
| 22710.338 | 34.568 | 1.015 | 14.785 |
| 10/18/2016 4:30:00 AM | 455400.000 | 72.452 | 17.994 |
| 165.140 | 28946.561 | 33418.480 | 21.096 |
| 22724.568 | 34.546 | 1.015 | 14.785 |
| 10/18/2016 4:35:00 AM | 455700.000 | 72.452 | 17.994 |
| 165.140 | 28939.867 | 33410.375 | 21.090 |
| 22719.055 | 34.554 | 1.015 | 14.785 |
| 10/18/2016 4:40:00 AM | 456000.000 | 72.450 | 17.994 |

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| 165.137 | 28932.654 | 33402.305 | 21.085 |
| 22713.570 | 34.563 | 1.015 | 14.786 |
| 10/18/2016 4:45:00 AM | 456300.000 | 72.451 | 17.994 |
| 165.139 | 28917.992 | 33385.438 | 21.073 |
| 22702.100 | 34.581 | 1.015 | 14.786 |
| 10/18/2016 4:50:00 AM | 456600.000 | 72.452 | 17.995 |
| 165.140 | 28942.156 | 33412.824 | 21.092 |
| 22720.723 | 34.552 | 1.015 | 14.786 |
| 10/18/2016 4:55:00 AM | 456900.000 | 72.452 | 17.994 |
| 165.141 | 28940.471 | 33411.453 | 21.091 |
| 22719.789 | 34.554 | 1.015 | 14.786 |
| 10/18/2016 5:00:00 AM | 457200.000 | 72.452 | 17.994 |
| 165.140 | 28947.420 | 33419.352 | 21.097 |
| 22725.160 | 34.545 | 1.015 | 14.786 |
| 10/18/2016 5:05:00 AM | 457500.000 | 72.447 | 17.993 |
| 165.129 | 28923.023 | 33391.758 | 21.078 |
| 22706.398 | 34.575 | 1.015 | 14.787 |
| 10/18/2016 5:10:00 AM | 457800.000 | 72.446 | 17.994 |
| 165.127 | 28935.777 | 33405.781 | 21.087 |
| 22715.934 | 34.559 | 1.015 | 14.788 |
| 10/18/2016 5:15:00 AM | 458100.000 | 72.444 | 17.994 |
| 165.123 | 28929.193 | 33398.434 | 21.082 |
| 22710.938 | 34.567 | 1.015 | 14.790 |
| 10/18/2016 5:20:00 AM | 458400.000 | 72.444 | 17.994 |
| 165.122 | 28935.111 | 33405.141 | 21.087 |
| 22715.498 | 34.560 | 1.015 | 14.789 |
| 10/18/2016 5:25:00 AM | 458700.000 | 72.441 | 17.994 |
| 165.115 | 28929.197 | 33398.641 | 21.082 |
| 22711.076 | 34.567 | 1.015 | 14.789 |
| 10/18/2016 5:30:00 AM | 459000.000 | 72.441 | 17.994 |
| 165.116 | 28943.010 | 33414.129 | 21.093 |
| 22721.609 | 34.551 | 1.015 | 14.789 |
| 10/18/2016 5:35:00 AM | 459300.000 | 72.440 | 17.994 |
| 165.112 | 28943.695 | 33415.375 | 21.094 |
| 22722.455 | 34.550 | 1.015 | 14.789 |
| 10/18/2016 5:40:00 AM | 459600.000 | 72.440 | 17.994 |
| 165.112 | 28934.752 | 33404.531 | 21.086 |
| 22715.082 | 34.561 | 1.015 | 14.790 |
| 10/18/2016 5:45:00 AM | 459900.000 | 72.437 | 17.994 |
| 165.106 | 28931.723 | 33401.484 | 21.084 |
| 22713.012 | 34.564 | 1.015 | 14.790 |
| 10/18/2016 5:50:00 AM | 460200.000 | 72.436 | 17.994 |
| 165.103 | 28923.041 | 33391.078 | 21.077 |
| 22705.934 | 34.575 | 1.015 | 14.791 |
| 10/18/2016 5:55:00 AM | 460500.000 | 72.435 | 17.994 |
| 165.103 | 28927.926 | 33396.969 | 21.081 |
| 22709.939 | 34.569 | 1.015 | 14.792 |
| 10/18/2016 6:00:00 AM | 460800.000 | 72.435 | 17.994 |
| 165.102 | 28929.242 | 33398.293 | 21.082 |
| 22710.840 | 34.567 | 1.015 | 14.794 |
| 10/18/2016 6:05:00 AM | 461100.000 | 72.434 | 17.995 |
| 165.099 | 28942.104 | 33412.887 | 21.092 |
| 22720.764 | 34.552 | 1.015 | 14.794 |
| 10/18/2016 6:10:00 AM | 461400.000 | 72.432 | 17.994 |

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| 165.095 | 28934.174 | 33403.988 | 21.086 |
| 22714.715 | 34.561 | 1.015 | 14.795 |
| 10/18/2016 6:15:00 AM | 461700.000 | 72.434 | 17.993 |
| 165.099 | 28919.467 | 33387.527 | 21.075 |
| 22703.520 | 34.579 | 1.015 | 14.795 |
| 10/18/2016 6:20:00 AM | 462000.000 | 72.430 | 17.994 |
| 165.091 | 28924.336 | 33392.629 | 21.078 |
| 22706.990 | 34.573 | 1.015 | 14.797 |
| 10/18/2016 6:25:00 AM | 462300.000 | 72.430 | 17.994 |
| 165.091 | 28939.059 | 33409.820 | 21.090 |
| 22718.680 | 34.555 | 1.015 | 14.798 |
| 10/18/2016 6:30:00 AM | 462600.000 | 72.432 | 17.993 |
| 165.094 | 28930.789 | 33400.602 | 21.084 |
| 22712.412 | 34.565 | 1.015 | 14.799 |
| 10/18/2016 6:35:00 AM | 462900.000 | 72.427 | 17.994 |
| 165.083 | 28943.434 | 33414.809 | 21.094 |
| 22722.070 | 34.550 | 1.015 | 14.799 |
| 10/18/2016 6:40:00 AM | 463200.000 | 72.425 | 17.994 |
| 165.080 | 28939.164 | 33409.691 | 21.090 |
| 22718.592 | 34.555 | 1.015 | 14.800 |
| 10/18/2016 6:45:00 AM | 463500.000 | 72.429 | 17.994 |
| 165.088 | 28927.352 | 33396.055 | 21.081 |
| 22709.320 | 34.569 | 1.015 | 14.800 |
| 10/18/2016 6:50:00 AM | 463800.000 | 72.423 | 17.994 |
| 165.074 | 28929.154 | 33398.387 | 21.082 |
| 22710.902 | 34.567 | 1.015 | 14.801 |
| 10/18/2016 6:55:00 AM | 464100.000 | 72.426 | 17.994 |
| 165.081 | 28915.135 | 33382.461 | 21.071 |
| 22700.074 | 34.584 | 1.015 | 14.801 |
| 10/18/2016 7:00:00 AM | 464400.000 | 72.426 | 17.994 |
| 165.082 | 28933.258 | 33402.805 | 21.085 |
| 22713.908 | 34.562 | 1.015 | 14.802 |
| 10/18/2016 7:05:00 AM | 464700.000 | 72.428 | 17.994 |
| 165.085 | 28926.811 | 33395.617 | 21.080 |
| 22709.021 | 34.570 | 1.015 | 14.802 |
| 10/18/2016 7:10:00 AM | 465000.000 | 72.425 | 17.994 |
| 165.079 | 28949.170 | 33421.176 | 21.098 |
| 22726.402 | 34.543 | 1.015 | 14.803 |
| 10/18/2016 7:15:00 AM | 465300.000 | 72.426 | 17.994 |
| 165.082 | 28938.650 | 33409.227 | 21.090 |
| 22718.275 | 34.556 | 1.015 | 14.804 |
| 10/18/2016 7:20:00 AM | 465600.000 | 72.426 | 17.995 |
| 165.082 | 28939.594 | 33409.992 | 21.090 |
| 22718.795 | 34.555 | 1.015 | 14.803 |
| 10/18/2016 7:25:00 AM | 465900.000 | 72.426 | 17.994 |
| 165.082 | 28926.596 | 33395.371 | 21.080 |
| 22708.855 | 34.570 | 1.015 | 14.802 |
| 10/18/2016 7:30:00 AM | 466200.000 | 72.429 | 17.994 |
| 165.088 | 28939.527 | 33409.980 | 21.090 |
| 22718.789 | 34.555 | 1.015 | 14.801 |
| 10/18/2016 7:35:00 AM | 466500.000 | 72.431 | 17.994 |
| 165.093 | 28929.844 | 33399.184 | 21.083 |
| 22711.447 | 34.566 | 1.015 | 14.803 |
| 10/18/2016 7:40:00 AM | 466800.000 | 72.430 | 17.994 |

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| 165.090 | 28938.553 | 33409.043 | 21.090 |
| 22718.150 | 34.556 | 1.015 | 14.804 |
| 10/18/2016 7:45:00 AM | 467100.000 | 72.426 | 17.993 |
| 165.082 | 28932.412 | 33402.473 | 21.085 |
| 22713.682 | 34.563 | 1.015 | 14.806 |
| 10/18/2016 7:50:00 AM | 467400.000 | 72.431 | 17.994 |
| 165.093 | 28935.934 | 33406.215 | 21.088 |
| 22716.229 | 34.559 | 1.015 | 14.806 |
| 10/18/2016 7:55:00 AM | 467700.000 | 72.411 | 17.994 |
| 165.046 | 28919.117 | 33386.418 | 21.074 |
| 22702.764 | 34.579 | 1.015 | 14.806 |
| 10/18/2016 8:00:00 AM | 468000.000 | 72.428 | 17.994 |
| 165.085 | 28935.256 | 33405.051 | 21.087 |
| 22715.438 | 34.560 | 1.015 | 14.806 |
| 10/18/2016 8:05:00 AM | 468300.000 | 72.433 | 17.994 |
| 165.098 | 28927.094 | 33395.813 | 21.080 |
| 22709.154 | 34.570 | 1.015 | 14.809 |
| 10/18/2016 8:10:00 AM | 468600.000 | 72.429 | 17.994 |
| 165.088 | 28933.045 | 33402.949 | 21.085 |
| 22714.006 | 34.563 | 1.015 | 14.812 |
| 10/18/2016 8:15:00 AM | 468900.000 | 72.407 | 17.994 |
| 165.038 | 28930.902 | 33400.211 | 21.083 |
| 22712.145 | 34.565 | 1.015 | 14.815 |
| 10/18/2016 8:20:00 AM | 469200.000 | 72.425 | 17.994 |
| 165.078 | 28929.418 | 33398.824 | 21.082 |
| 22711.203 | 34.567 | 1.015 | 14.816 |
| 10/18/2016 8:25:00 AM | 469500.000 | 72.425 | 17.994 |
| 165.078 | 28934.541 | 33404.410 | 21.086 |
| 22715.000 | 34.561 | 1.015 | 14.818 |
| 10/18/2016 8:30:00 AM | 469800.000 | 72.428 | 17.994 |
| 165.087 | 28937.234 | 33407.594 | 21.089 |
| 22717.164 | 34.558 | 1.015 | 14.820 |
| 10/18/2016 8:35:00 AM | 470100.000 | 72.430 | 17.994 |
| 165.090 | 28924.688 | 33393.109 | 21.078 |
| 22707.316 | 34.573 | 1.015 | 14.816 |
| 10/18/2016 8:40:00 AM | 470400.000 | 72.437 | 17.994 |
| 165.106 | 28940.674 | 33411.754 | 21.091 |
| 22719.994 | 34.553 | 1.015 | 14.812 |
| 10/18/2016 8:45:00 AM | 470700.000 | 72.439 | 17.995 |
| 165.112 | 28939.500 | 33409.883 | 21.090 |
| 22718.721 | 34.555 | 1.015 | 14.808 |
| 10/18/2016 8:50:00 AM | 471000.000 | 72.442 | 17.995 |
| 165.117 | 28941.449 | 33412.008 | 21.092 |
| 22720.168 | 34.553 | 1.015 | 14.808 |
| 10/18/2016 8:55:00 AM | 471300.000 | 72.450 | 17.994 |
| 165.136 | 28932.654 | 33402.176 | 21.085 |
| 22713.482 | 34.563 | 1.015 | 14.809 |
| 10/18/2016 9:00:00 AM | 471600.000 | 72.427 | 17.994 |
| 165.083 | 28935.979 | 33406.266 | 21.088 |
| 22716.264 | 34.559 | 1.015 | 14.809 |
| 10/18/2016 9:05:00 AM | 471900.000 | 72.439 | 17.994 |
| 165.111 | 28946.000 | 33417.641 | 21.096 |
| 22723.998 | 34.547 | 1.015 | 14.813 |
| 10/18/2016 9:10:00 AM | 472200.000 | 72.437 | 17.994 |

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| 165.107 | 28935.230 | 33405.660 | 21.087 |
| 22715.852 | 34.560 | 1.015 | 14.818 |
| 10/18/2016 9:15:00 AM | 472500.000 | 72.438 | 17.994 |
| 165.109 | 28945.361 | 33417.230 | 21.095 |
| 22723.719 | 34.548 | 1.015 | 14.822 |
| 10/18/2016 9:20:00 AM | 472800.000 | 72.427 | 17.994 |
| 165.083 | 28928.096 | 33397.234 | 21.081 |
| 22710.121 | 34.568 | 1.015 | 14.822 |
| 10/18/2016 9:25:00 AM | 473100.000 | 72.446 | 17.994 |
| 165.127 | 28944.107 | 33415.332 | 21.094 |
| 22722.428 | 34.549 | 1.015 | 14.821 |
| 10/18/2016 9:30:00 AM | 473400.000 | 72.444 | 17.994 |
| 165.121 | 28949.566 | 33421.758 | 21.098 |
| 22726.795 | 34.543 | 1.015 | 14.820 |
| 10/18/2016 9:35:00 AM | 473700.000 | 72.449 | 17.994 |
| 165.133 | 28933.768 | 33403.844 | 21.086 |
| 22714.615 | 34.562 | 1.015 | 14.821 |
| 10/18/2016 9:40:00 AM | 474000.000 | 72.456 | 17.994 |
| 165.150 | 28919.141 | 33386.703 | 21.074 |
| 22702.961 | 34.579 | 1.015 | 14.821 |
| 10/18/2016 9:45:00 AM | 474300.000 | 72.460 | 17.994 |
| 165.158 | 28945.768 | 33417.445 | 21.095 |
| 22723.863 | 34.547 | 1.015 | 14.822 |
| 10/18/2016 9:50:00 AM | 474600.000 | 72.459 | 17.994 |
| 165.157 | 28939.463 | 33410.355 | 21.090 |
| 22719.041 | 34.555 | 1.015 | 14.821 |
| 10/18/2016 9:55:00 AM | 474900.000 | 72.465 | 17.994 |
| 165.170 | 28936.131 | 33406.246 | 21.088 |
| 22716.250 | 34.559 | 1.015 | 14.820 |
| 10/18/2016 10:00:00 AM | 475200.000 | 72.462 | 17.994 |
| 165.164 | 28932.545 | 33402.434 | 21.085 |
| 22713.656 | 34.563 | 1.015 | 14.819 |
| 10/18/2016 10:05:00 AM | 475500.000 | 72.474 | 17.994 |
| 165.190 | 28916.637 | 33383.742 | 21.072 |
| 22700.947 | 34.582 | 1.015 | 14.820 |
| 10/18/2016 10:10:00 AM | 475800.000 | 72.448 | 17.994 |
| 165.132 | 28953.688 | 33426.590 | 21.102 |
| 22730.084 | 34.538 | 1.015 | 14.821 |
| 10/18/2016 10:15:00 AM | 476100.000 | 72.472 | 17.994 |
| 165.186 | 28932.156 | 33401.789 | 21.085 |
| 22713.219 | 34.564 | 1.015 | 14.823 |
| 10/18/2016 10:20:00 AM | 476400.000 | 72.474 | 17.995 |
| 165.190 | 28934.504 | 33404.113 | 21.086 |
| 22714.799 | 34.561 | 1.015 | 14.822 |
| 10/18/2016 10:25:00 AM | 476700.000 | 72.474 | 17.994 |
| 165.191 | 28932.127 | 33401.695 | 21.084 |
| 22713.154 | 34.564 | 1.015 | 14.822 |
| 10/18/2016 10:30:00 AM | 477000.000 | 72.483 | 17.994 |
| 165.210 | 28939.211 | 33409.801 | 21.090 |
| 22718.666 | 34.555 | 1.015 | 14.821 |
| 10/18/2016 10:35:00 AM | 477300.000 | 72.480 | 17.994 |
| 165.203 | 28945.156 | 33416.801 | 21.095 |
| 22723.426 | 34.548 | 1.015 | 14.822 |
| 10/18/2016 10:40:00 AM | 477600.000 | 72.487 | 17.994 |

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| 165.220 | 28943.664 | 33415.016 | 21.094 |
| 22722.211 | 34.550 | 1.015 | 14.822 |
| 10/18/2016 10:45:00 AM | 477900.000 | 72.487 | 17.994 |
| 165.221 | 28942.531 | 33414.031 | 21.093 |
| 22721.543 | 34.551 | 1.015 | 14.822 |
| 10/18/2016 10:50:00 AM | 478200.000 | 72.487 | 17.994 |
| 165.220 | 28944.936 | 33416.410 | 21.095 |
| 22723.160 | 34.548 | 1.015 | 14.823 |
| 10/18/2016 10:55:00 AM | 478500.000 | 72.486 | 17.994 |
| 165.219 | 28924.340 | 33392.961 | 21.078 |
| 22707.215 | 34.573 | 1.015 | 14.824 |
| 10/18/2016 11:00:00 AM | 478800.000 | 72.492 | 17.994 |
| 165.233 | 28928.426 | 33397.484 | 21.082 |
| 22710.291 | 34.568 | 1.015 | 14.826 |
| 10/18/2016 11:05:00 AM | 479100.000 | 72.499 | 17.994 |
| 165.248 | 28936.834 | 33407.512 | 21.088 |
| 22717.107 | 34.558 | 1.015 | 14.823 |
| 10/18/2016 11:10:00 AM | 479400.000 | 72.503 | 17.994 |
| 165.257 | 28928.795 | 33397.777 | 21.082 |
| 22710.490 | 34.568 | 1.015 | 14.821 |
| 10/18/2016 11:15:00 AM | 479700.000 | 72.509 | 17.994 |
| 165.271 | 28948.859 | 33420.816 | 21.098 |
| 22726.158 | 34.544 | 1.015 | 14.818 |
| 10/18/2016 11:20:00 AM | 480000.000 | 72.512 | 17.994 |
| 165.278 | 28933.145 | 33402.992 | 21.085 |
| 22714.037 | 34.562 | 1.015 | 14.818 |
| 10/18/2016 11:25:00 AM | 480300.000 | 72.511 | 17.995 |
| 165.276 | 28938.949 | 33409.246 | 21.090 |
| 22718.289 | 34.556 | 1.015 | 14.817 |
| 10/18/2016 11:30:00 AM | 480600.000 | 72.516 | 17.994 |
| 165.286 | 28935.715 | 33405.641 | 21.087 |
| 22715.838 | 34.559 | 1.015 | 14.817 |
| 10/18/2016 11:35:00 AM | 480900.000 | 72.518 | 17.994 |
| 165.292 | 28932.521 | 33402.406 | 21.085 |
| 22713.639 | 34.563 | 1.015 | 14.817 |
| 10/18/2016 11:40:00 AM | 481200.000 | 72.520 | 17.995 |
| 165.296 | 28932.445 | 33401.738 | 21.084 |
| 22713.182 | 34.563 | 1.015 | 14.817 |
| 10/18/2016 11:45:00 AM | 481500.000 | 72.529 | 17.994 |
| 165.317 | 28947.941 | 33420.336 | 21.097 |
| 22725.830 | 34.545 | 1.015 | 14.817 |
| 10/18/2016 11:50:00 AM | 481800.000 | 72.531 | 17.994 |
| 165.320 | 28937.965 | 33408.305 | 21.089 |
| 22717.648 | 34.557 | 1.015 | 14.817 |
| 10/18/2016 11:55:00 AM | 482100.000 | 72.533 | 17.994 |
| 165.324 | 28937.467 | 33407.730 | 21.089 |
| 22717.258 | 34.557 | 1.015 | 14.818 |
| 10/18/2016 12:00:00 PM | 482400.000 | 72.530 | 17.995 |
| 165.318 | 28931.771 | 33400.961 | 21.084 |
| 22712.656 | 34.564 | 1.015 | 14.818 |
| 10/18/2016 12:05:00 PM | 482700.000 | 72.531 | 17.994 |
| 165.320 | 28938.020 | 33408.559 | 21.089 |
| 22717.820 | 34.557 | 1.015 | 14.818 |
| 10/18/2016 12:10:00 PM | 483000.000 | 72.533 | 17.995 |

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|---|---|---|---|
| 165.324 | 28934.098 | 33403.645 | 21.086 |
| 22714.479 | 34.561 | 1.015 | 14.817 |
| 10/18/2016 12:15:00 PM | 483300.000 | 72.538 | 17.994 |
| 165.336 | 28937.313 | 33407.609 | 21.089 |
| 22717.174 | 34.557 | 1.015 | 14.816 |
| 10/18/2016 12:20:00 PM | 483600.000 | 72.542 | 17.995 |
| 165.346 | 28936.553 | 33406.160 | 21.088 |
| 22716.189 | 34.558 | 1.015 | 14.818 |
| 10/18/2016 12:25:00 PM | 483900.000 | 72.543 | 17.994 |
| 165.348 | 28933.764 | 33403.457 | 21.086 |
| 22714.354 | 34.562 | 1.015 | 14.819 |
| 10/18/2016 12:30:00 PM | 484200.000 | 72.545 | 17.995 |
| 165.353 | 28936.385 | 33406.219 | 21.088 |
| 22716.230 | 34.559 | 1.015 | 14.821 |
| 10/18/2016 12:35:00 PM | 484500.000 | 72.547 | 17.994 |
| 165.358 | 28935.111 | 33405.012 | 21.087 |
| 22715.410 | 34.560 | 1.015 | 14.818 |
| 10/18/2016 12:40:00 PM | 484800.000 | 72.546 | 17.994 |
| 165.354 | 28930.125 | 33399.445 | 21.083 |
| 22711.625 | 34.566 | 1.015 | 14.816 |
| 10/18/2016 12:45:00 PM | 485100.000 | 72.533 | 17.995 |
| 165.325 | 28929.311 | 33397.797 | 21.082 |
| 22710.502 | 34.567 | 1.015 | 14.813 |
| 10/18/2016 12:50:00 PM | 485400.000 | 72.557 | 17.994 |
| 165.380 | 28947.924 | 33419.934 | 21.097 |
| 22725.555 | 34.545 | 1.015 | 14.810 |
| 10/18/2016 12:55:00 PM | 485700.000 | 72.558 | 17.995 |
| 165.383 | 28936.137 | 33406.000 | 21.087 |
| 22716.082 | 34.559 | 1.015 | 14.806 |
| 10/18/2016 1:00:00 PM | 486000.000 | 72.563 | 17.994 |
| 165.393 | 28927.549 | 33396.281 | 21.081 |
| 22709.473 | 34.569 | 1.015 | 14.802 |
| 10/18/2016 1:05:00 PM | 486300.000 | 72.572 | 17.994 |
| 165.414 | 28941.156 | 33412.180 | 21.092 |
| 22720.283 | 34.553 | 1.015 | 14.803 |
| 10/18/2016 1:10:00 PM | 486600.000 | 72.564 | 17.994 |
| 165.396 | 28913.518 | 33379.953 | 21.069 |
| 22698.369 | 34.586 | 1.015 | 14.803 |
| 10/18/2016 1:15:00 PM | 486900.000 | 72.564 | 17.994 |
| 165.396 | 28954.672 | 33427.785 | 21.103 |
| 22730.896 | 34.537 | 1.015 | 14.804 |
| 10/18/2016 1:20:00 PM | 487200.000 | 72.542 | 17.994 |
| 165.347 | 28931.318 | 33400.566 | 21.084 |
| 22712.385 | 34.565 | 1.015 | 14.804 |
| 10/18/2016 1:25:00 PM | 487500.000 | 72.564 | 17.995 |
| 165.396 | 28935.172 | 33404.816 | 21.087 |
| 22715.277 | 34.560 | 1.015 | 14.804 |
| 10/18/2016 1:30:00 PM | 487800.000 | 72.563 | 17.994 |
| 165.394 | 28933.455 | 33403.098 | 21.085 |
| 22714.109 | 34.562 | 1.015 | 14.804 |
| 10/18/2016 1:35:00 PM | 488100.000 | 72.565 | 17.994 |
| 165.399 | 28932.787 | 33402.461 | 21.085 |
| 22713.674 | 34.563 | 1.015 | 14.802 |
| 10/18/2016 1:40:00 PM | 488400.000 | 72.565 | 17.994 |

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|---|---|---|---|
| 165.398 | 28948.279 | 33420.215 | 21.097 |
| 22725.748 | 34.544 | 1.015 | 14.800 |
| 10/18/2016 1:45:00 PM | 488700.000 | 72.564 | 17.995 |
| 165.396 | 28939.027 | 33409.078 | 21.090 |
| 22718.174 | 34.555 | 1.015 | 14.799 |
| 10/18/2016 1:50:00 PM | 489000.000 | 72.567 | 17.994 |
| 165.403 | 28944.324 | 33415.840 | 21.094 |
| 22722.773 | 34.549 | 1.015 | 14.798 |
| 10/18/2016 1:55:00 PM | 489300.000 | 72.569 | 17.994 |
| 165.406 | 28936.443 | 33406.422 | 21.088 |
| 22716.367 | 34.558 | 1.015 | 14.798 |
| 10/18/2016 2:00:00 PM | 489600.000 | 72.572 | 17.994 |
| 165.414 | 28934.859 | 33404.594 | 21.086 |
| 22715.125 | 34.560 | 1.015 | 14.798 |
| 10/18/2016 2:05:00 PM | 489900.000 | 72.572 | 17.995 |
| 165.413 | 28929.143 | 33397.855 | 21.082 |
| 22710.543 | 34.567 | 1.015 | 14.795 |
| 10/18/2016 2:10:00 PM | 490200.000 | 72.574 | 17.994 |
| 165.420 | 28946.037 | 33417.879 | 21.096 |
| 22724.160 | 34.547 | 1.015 | 14.792 |
| 10/18/2016 2:15:00 PM | 490500.000 | 72.574 | 17.994 |
| 165.418 | 28943.701 | 33414.930 | 21.094 |
| 22722.152 | 34.550 | 1.015 | 14.789 |
| 10/18/2016 2:20:00 PM | 490800.000 | 72.571 | 17.994 |
| 165.413 | 28923.854 | 33391.949 | 21.078 |
| 22706.525 | 34.574 | 1.015 | 14.792 |
| 10/18/2016 2:25:00 PM | 491100.000 | 72.542 | 17.994 |
| 165.345 | 28932.186 | 33401.566 | 21.084 |
| 22713.066 | 34.564 | 1.015 | 14.794 |
| 10/18/2016 2:30:00 PM | 491400.000 | 72.561 | 17.994 |
| 165.390 | 28933.494 | 33403.277 | 21.086 |
| 22714.230 | 34.562 | 1.015 | 14.796 |
| 10/18/2016 2:35:00 PM | 491700.000 | 72.573 | 17.994 |
| 165.416 | 28928.445 | 33397.250 | 21.081 |
| 22710.133 | 34.568 | 1.015 | 14.793 |
| 10/18/2016 2:40:00 PM | 492000.000 | 72.569 | 17.995 |
| 165.406 | 28931.666 | 33400.840 | 21.084 |
| 22712.574 | 34.564 | 1.015 | 14.789 |
| 10/18/2016 2:45:00 PM | 492300.000 | 72.564 | 17.994 |
| 165.396 | 28933.773 | 33403.598 | 21.086 |
| 22714.449 | 34.562 | 1.015 | 14.786 |
| 10/18/2016 2:50:00 PM | 492600.000 | 72.564 | 17.994 |
| 165.396 | 28931.410 | 33400.738 | 21.084 |
| 22712.504 | 34.565 | 1.015 | 14.784 |
| 10/18/2016 2:55:00 PM | 492900.000 | 72.567 | 17.994 |
| 165.402 | 28926.799 | 33395.348 | 21.080 |
| 22708.838 | 34.570 | 1.015 | 14.783 |
| 10/18/2016 3:00:00 PM | 493200.000 | 72.567 | 17.994 |
| 165.402 | 28939.691 | 33410.488 | 21.091 |
| 22719.133 | 34.555 | 1.015 | 14.782 |
| 10/18/2016 3:05:00 PM | 493500.000 | 72.562 | 17.994 |
| 165.390 | 28938.715 | 33409.625 | 21.090 |
| 22718.547 | 34.556 | 1.015 | 14.782 |
| 10/18/2016 3:10:00 PM | 493800.000 | 72.564 | 17.995 |

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|---|---|---|---|
| 165.396 | 28935.043 | 33404.738 | 21.087 |
| 22715.223 | 34.560 | 1.015 | 14.781 |
| 10/18/2016 3:15:00 PM | 494100.000 | 72.557 | 17.994 |
| 165.381 | 28955.492 | 33428.672 | 21.103 |
| 22731.498 | 34.536 | 1.015 | 14.781 |
| 10/18/2016 3:20:00 PM | 494400.000 | 72.559 | 17.994 |
| 165.385 | 28939.994 | 33410.707 | 21.091 |
| 22719.281 | 34.554 | 1.015 | 14.782 |
| 10/18/2016 3:25:00 PM | 494700.000 | 72.557 | 17.994 |
| 165.380 | 28939.465 | 33410.227 | 21.090 |
| 22718.955 | 34.555 | 1.015 | 14.782 |
| 10/18/2016 3:30:00 PM | 495000.000 | 72.551 | 17.995 |
| 165.367 | 28949.295 | 33421.121 | 21.098 |
| 22726.363 | 34.543 | 1.015 | 14.783 |
| 10/18/2016 3:35:00 PM | 495300.000 | 72.553 | 17.994 |
| 165.372 | 28929.018 | 33398.297 | 21.082 |
| 22710.842 | 34.567 | 1.015 | 14.782 |
| 10/18/2016 3:40:00 PM | 495600.000 | 72.549 | 17.994 |
| 165.362 | 28942.061 | 33413.227 | 21.092 |
| 22720.994 | 34.552 | 1.015 | 14.781 |
| 10/18/2016 3:45:00 PM | 495900.000 | 72.546 | 17.995 |
| 165.354 | 28938.408 | 33408.555 | 21.089 |
| 22717.818 | 34.556 | 1.015 | 14.780 |
| 10/18/2016 3:50:00 PM | 496200.000 | 72.544 | 17.994 |
| 165.350 | 28942.826 | 33413.789 | 21.093 |
| 22721.379 | 34.551 | 1.015 | 14.779 |
| 10/18/2016 3:55:00 PM | 496500.000 | 72.545 | 17.994 |
| 165.352 | 28947.555 | 33419.832 | 21.097 |
| 22725.486 | 34.545 | 1.015 | 14.777 |
| 10/18/2016 4:00:00 PM | 496800.000 | 72.543 | 17.994 |
| 165.349 | 28930.383 | 33399.551 | 21.083 |
| 22711.697 | 34.566 | 1.015 | 14.776 |
| 10/18/2016 4:05:00 PM | 497100.000 | 72.522 | 17.994 |
| 165.301 | 28947.881 | 33420.008 | 21.097 |
| 22725.607 | 34.545 | 1.015 | 14.776 |
| 10/18/2016 4:10:00 PM | 497400.000 | 72.540 | 17.995 |
| 165.340 | 28944.447 | 33415.594 | 21.094 |
| 22722.605 | 34.549 | 1.015 | 14.775 |
| 10/18/2016 4:15:00 PM | 497700.000 | 72.534 | 17.994 |
| 165.328 | 28941.592 | 33412.492 | 21.092 |
| 22720.496 | 34.552 | 1.015 | 14.775 |
| 10/18/2016 4:20:00 PM | 498000.000 | 72.533 | 17.995 |
| 165.324 | 28954.777 | 33427.395 | 21.102 |
| 22730.631 | 34.537 | 1.015 | 14.774 |
| 10/18/2016 4:25:00 PM | 498300.000 | 72.529 | 17.994 |
| 165.317 | 28947.313 | 33419.352 | 21.097 |
| 22725.160 | 34.546 | 1.015 | 14.773 |
| 10/18/2016 4:30:00 PM | 498600.000 | 72.530 | 17.994 |
| 165.319 | 28930.656 | 33399.867 | 21.083 |
| 22711.912 | 34.565 | 1.015 | 14.772 |
| 10/18/2016 4:35:00 PM | 498900.000 | 72.529 | 17.994 |
| 165.317 | 28943.678 | 33414.836 | 21.094 |
| 22722.090 | 34.550 | 1.015 | 14.773 |
| 10/18/2016 4:40:00 PM | 499200.000 | 72.505 | 17.994 |

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|---|---|---|---|
| 165.260 | 28941.266 | 33412.246 | 21.092 |
| 22720.330 | 34.553 | 1.015 | 14.774 |
| 10/18/2016 4:45:00 PM | 499500.000 | 72.519 | 17.994 |
| 165.292 | 28936.834 | 33407.254 | 21.088 |
| 22716.934 | 34.558 | 1.015 | 14.775 |
| 10/18/2016 4:50:00 PM | 499800.000 | 72.515 | 17.994 |
| 165.283 | 28955.023 | 33427.871 | 21.103 |
| 22730.955 | 34.536 | 1.015 | 14.774 |
| 10/18/2016 4:55:00 PM | 500100.000 | 72.511 | 17.994 |
| 165.275 | 28932.098 | 33401.785 | 21.085 |
| 22713.217 | 34.564 | 1.015 | 14.773 |
| 10/18/2016 5:00:00 PM | 500400.000 | 72.511 | 17.994 |
| 165.275 | 28936.082 | 33406.324 | 21.088 |
| 22716.301 | 34.559 | 1.015 | 14.772 |
| 10/18/2016 5:05:00 PM | 500700.000 | 72.507 | 17.994 |
| 165.265 | 28928.852 | 33397.719 | 21.082 |
| 22710.451 | 34.568 | 1.015 | 14.773 |
| 10/18/2016 5:10:00 PM | 501000.000 | 72.509 | 17.994 |
| 165.270 | 28941.930 | 33412.883 | 21.092 |
| 22720.760 | 34.552 | 1.015 | 14.774 |
| 10/18/2016 5:15:00 PM | 501300.000 | 72.482 | 17.995 |
| 165.209 | 28934.949 | 33404.559 | 21.086 |
| 22715.102 | 34.560 | 1.015 | 14.775 |
| 10/18/2016 5:20:00 PM | 501600.000 | 72.497 | 17.994 |
| 165.244 | 28950.223 | 33422.516 | 21.099 |
| 22727.313 | 34.542 | 1.015 | 14.776 |
| 10/18/2016 5:25:00 PM | 501900.000 | 72.494 | 17.994 |
| 165.237 | 28917.496 | 33384.996 | 21.073 |
| 22701.797 | 34.581 | 1.015 | 14.777 |
| 10/18/2016 5:30:00 PM | 502200.000 | 72.488 | 17.994 |
| 165.222 | 28937.305 | 33407.602 | 21.089 |
| 22717.170 | 34.557 | 1.015 | 14.778 |
| 10/18/2016 5:35:00 PM | 502500.000 | 72.487 | 17.994 |
| 165.220 | 28948.787 | 33420.801 | 21.098 |
| 22726.145 | 34.544 | 1.015 | 14.780 |
| 10/18/2016 5:40:00 PM | 502800.000 | 72.479 | 17.994 |
| 165.203 | 28955.148 | 33428.336 | 21.103 |
| 22731.270 | 34.536 | 1.015 | 14.782 |
| 10/18/2016 5:45:00 PM | 503100.000 | 72.476 | 17.994 |
| 165.195 | 28954.717 | 33428.031 | 21.103 |
| 22731.063 | 34.537 | 1.015 | 14.784 |
| 10/18/2016 5:50:00 PM | 503400.000 | 72.464 | 17.995 |
| 165.167 | 28931.297 | 33400.344 | 21.084 |
| 22712.236 | 34.565 | 1.015 | 14.783 |
| 10/18/2016 5:55:00 PM | 503700.000 | 72.463 | 17.994 |
| 165.165 | 28937.980 | 33408.324 | 21.089 |
| 22717.660 | 34.557 | 1.015 | 14.783 |
| 10/18/2016 6:00:00 PM | 504000.000 | 72.461 | 17.994 |
| 165.162 | 28926.648 | 33395.176 | 21.080 |
| 22708.721 | 34.570 | 1.015 | 14.783 |
| 10/18/2016 6:05:00 PM | 504300.000 | 72.456 | 17.994 |
| 165.149 | 28941.314 | 33412.230 | 21.092 |
| 22720.318 | 34.553 | 1.015 | 14.781 |
| 10/18/2016 6:10:00 PM | 504600.000 | 72.460 | 17.994 |

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|---|---|---|---|
| 165.159 | 28941.986 | 33412.883 | 21.092 |
| 22720.760 | 34.552 | 1.015 | 14.780 |
| 10/18/2016 6:15:00 PM | 504900.000 | 72.456 | 17.994 |
| 165.149 | 28936.350 | 33406.762 | 21.088 |
| 22716.598 | 34.559 | 1.015 | 14.778 |
| 10/18/2016 6:20:00 PM | 505200.000 | 72.436 | 17.994 |
| 165.104 | 28940.633 | 33411.516 | 21.091 |
| 22719.832 | 34.553 | 1.015 | 14.778 |
| 10/18/2016 6:25:00 PM | 505500.000 | 72.449 | 17.994 |
| 165.135 | 28942.244 | 33413.246 | 21.092 |
| 22721.008 | 34.552 | 1.015 | 14.777 |
| 10/18/2016 6:30:00 PM | 505800.000 | 72.447 | 17.994 |
| 165.130 | 28935.609 | 33405.645 | 21.087 |
| 22715.840 | 34.559 | 1.015 | 14.777 |
| 10/18/2016 6:35:00 PM | 506100.000 | 72.441 | 17.994 |
| 165.116 | 28942.371 | 33413.266 | 21.092 |
| 22721.021 | 34.551 | 1.015 | 14.781 |
| 10/18/2016 6:40:00 PM | 506400.000 | 72.429 | 17.995 |
| 165.088 | 28933.326 | 33402.434 | 21.085 |
| 22713.656 | 34.562 | 1.015 | 14.786 |
| 10/18/2016 6:45:00 PM | 506700.000 | 72.407 | 17.994 |
| 165.039 | 28959.729 | 33433.363 | 21.106 |
| 22734.688 | 34.531 | 1.015 | 14.790 |
| 10/18/2016 6:50:00 PM | 507000.000 | 72.426 | 17.994 |
| 165.080 | 28929.264 | 33398.195 | 21.082 |
| 22710.775 | 34.567 | 1.015 | 14.787 |
| 10/18/2016 6:55:00 PM | 507300.000 | 72.426 | 17.994 |
| 165.081 | 28927.420 | 33396.383 | 21.081 |
| 22709.541 | 34.569 | 1.015 | 14.785 |
| 10/18/2016 7:00:00 PM | 507600.000 | 72.426 | 17.995 |
| 165.082 | 28924.730 | 33392.637 | 21.078 |
| 22706.994 | 34.572 | 1.015 | 14.782 |
| 10/18/2016 7:05:00 PM | 507900.000 | 72.421 | 17.994 |
| 165.069 | 28941.357 | 33412.477 | 21.092 |
| 22720.486 | 34.553 | 1.015 | 14.781 |
| 10/18/2016 7:10:00 PM | 508200.000 | 72.424 | 17.994 |
| 165.076 | 28929.719 | 33399.039 | 21.083 |
| 22711.350 | 34.567 | 1.015 | 14.780 |
| 10/18/2016 7:15:00 PM | 508500.000 | 72.417 | 17.994 |
| 165.061 | 28936.936 | 33407.438 | 21.088 |
| 22717.061 | 34.558 | 1.015 | 14.778 |
| 10/18/2016 7:20:00 PM | 508800.000 | 72.417 | 17.994 |
| 165.061 | 28939.457 | 33409.961 | 21.090 |
| 22718.775 | 34.555 | 1.015 | 14.783 |
| 10/18/2016 7:25:00 PM | 509100.000 | 72.412 | 17.994 |
| 165.050 | 28939.840 | 33410.602 | 21.091 |
| 22719.209 | 34.554 | 1.015 | 14.788 |
| 10/18/2016 7:30:00 PM | 509400.000 | 72.401 | 17.995 |
| 165.024 | 28917.723 | 33384.742 | 21.073 |
| 22701.625 | 34.581 | 1.015 | 14.793 |
| 10/18/2016 7:35:00 PM | 509700.000 | 72.398 | 17.994 |
| 165.018 | 28930.010 | 33399.254 | 21.083 |
| 22711.492 | 34.566 | 1.015 | 14.791 |
| 10/18/2016 7:40:00 PM | 510000.000 | 72.400 | 17.995 |

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|---|---|---|---|
| 165.022 | 28931.471 | 33400.613 | 21.084 |
| 22712.420 | 34.564 | 1.015 | 14.789 |
| 10/18/2016 7:45:00 PM | 510300.000 | 72.401 | 17.994 |
| 165.025 | 28942.900 | 33413.938 | 21.093 |
| 22721.479 | 34.551 | 1.015 | 14.787 |
| 10/18/2016 7:50:00 PM | 510600.000 | 72.398 | 17.994 |
| 165.018 | 28943.607 | 33414.879 | 21.094 |
| 22722.119 | 34.550 | 1.015 | 14.790 |
| 10/18/2016 7:55:00 PM | 510900.000 | 72.390 | 17.995 |
| 164.999 | 28930.420 | 33399.207 | 21.083 |
| 22711.463 | 34.566 | 1.015 | 14.793 |
| 10/18/2016 8:00:00 PM | 511200.000 | 72.388 | 17.994 |
| 164.994 | 28934.199 | 33404.090 | 21.086 |
| 22714.783 | 34.561 | 1.015 | 14.796 |
| 10/18/2016 8:05:00 PM | 511500.000 | 72.385 | 17.995 |
| 164.989 | 28942.225 | 33412.902 | 21.092 |
| 22720.773 | 34.552 | 1.015 | 14.796 |
| 10/18/2016 8:10:00 PM | 511800.000 | 72.385 | 17.995 |
| 164.988 | 28917.496 | 33384.410 | 21.072 |
| 22701.398 | 34.581 | 1.015 | 14.795 |
| 10/18/2016 8:15:00 PM | 512100.000 | 72.380 | 17.994 |
| 164.976 | 28928.273 | 33397.250 | 21.081 |
| 22710.133 | 34.568 | 1.015 | 14.795 |
| 10/18/2016 8:20:00 PM | 512400.000 | 72.380 | 17.994 |
| 164.976 | 28934.000 | 33404.242 | 21.086 |
| 22714.885 | 34.561 | 1.015 | 14.797 |
| 10/18/2016 8:25:00 PM | 512700.000 | 72.376 | 17.995 |
| 164.968 | 28952.717 | 33425.070 | 21.101 |
| 22729.049 | 34.539 | 1.015 | 14.798 |
| 10/18/2016 8:30:00 PM | 513000.000 | 72.372 | 17.994 |
| 164.957 | 28954.617 | 33427.531 | 21.102 |
| 22730.723 | 34.537 | 1.015 | 14.799 |
| 10/18/2016 8:35:00 PM | 513300.000 | 72.375 | 17.994 |
| 164.965 | 28949.535 | 33421.855 | 21.098 |
| 22726.861 | 34.543 | 1.015 | 14.799 |
| 10/18/2016 8:40:00 PM | 513600.000 | 72.373 | 17.994 |
| 164.961 | 28936.355 | 33406.578 | 21.088 |
| 22716.475 | 34.559 | 1.015 | 14.798 |
| 10/18/2016 8:45:00 PM | 513900.000 | 72.373 | 17.995 |
| 164.961 | 28951.250 | 33423.379 | 21.100 |
| 22727.900 | 34.541 | 1.015 | 14.797 |
| 10/18/2016 8:50:00 PM | 514200.000 | 72.375 | 17.994 |
| 164.964 | 28936.904 | 33406.953 | 21.088 |
| 22716.730 | 34.558 | 1.015 | 14.797 |
| 10/18/2016 8:55:00 PM | 514500.000 | 72.355 | 17.994 |
| 164.920 | 28929.564 | 33399.063 | 21.083 |
| 22711.365 | 34.567 | 1.015 | 14.796 |
| 10/18/2016 9:00:00 PM | 514800.000 | 72.371 | 17.994 |
| 164.957 | 28938.410 | 33408.691 | 21.089 |
| 22717.910 | 34.556 | 1.015 | 14.795 |
| 10/18/2016 9:05:00 PM | 515100.000 | 72.375 | 17.994 |
| 164.965 | 28937.982 | 33408.324 | 21.089 |
| 22717.660 | 34.557 | 1.015 | 14.797 |
| 10/18/2016 9:10:00 PM | 515400.000 | 72.369 | 17.994 |

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|---|---|---|---|
| 164.952 | 28936.137 | 33406.066 | 21.087 |
| 22716.125 | 34.559 | 1.015 | 14.799 |
| 10/18/2016 9:15:00 PM | 515700.000 | 72.363 | 17.994 |
| 164.938 | 28953.266 | 33426.160 | 21.101 |
| 22729.789 | 34.538 | 1.015 | 14.801 |
| 10/18/2016 9:20:00 PM | 516000.000 | 72.367 | 17.994 |
| 164.946 | 28936.209 | 33406.469 | 21.088 |
| 22716.400 | 34.559 | 1.015 | 14.800 |
| 10/18/2016 9:25:00 PM | 516300.000 | 72.356 | 17.994 |
| 164.921 | 28942.695 | 33414.020 | 21.093 |
| 22721.535 | 34.551 | 1.015 | 14.800 |
| 10/18/2016 9:30:00 PM | 516600.000 | 72.369 | 17.995 |
| 164.952 | 28940.811 | 33411.395 | 21.091 |
| 22719.750 | 34.553 | 1.015 | 14.799 |
| 10/18/2016 9:35:00 PM | 516900.000 | 72.363 | 17.994 |
| 164.937 | 28936.834 | 33407.000 | 21.088 |
| 22716.760 | 34.558 | 1.015 | 14.802 |
| 10/18/2016 9:40:00 PM | 517200.000 | 72.362 | 17.994 |
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| 22718.355 | 34.556 | 1.015 | 14.804 |
| 10/18/2016 9:45:00 PM | 517500.000 | 72.360 | 17.995 |
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| 164.932 | 28945.496 | 33417.133 | 21.095 |
| 22723.652 | 34.548 | 1.015 | 14.807 |
| 10/18/2016 9:55:00 PM | 518100.000 | 72.367 | 17.994 |
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| 22724.418 | 34.546 | 1.015 | 14.807 |
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| 22710.074 | 34.568 | 1.015 | 14.808 |
| 10/18/2016 10:05:00 PM | 518700.000 | 72.365 | 17.994 |
| 164.942 | 28937.988 | 33408.332 | 21.089 |
| 22717.666 | 34.557 | 1.015 | 14.807 |
| 10/18/2016 10:10:00 PM | 519000.000 | 72.348 | 17.994 |
| 164.903 | 28926.736 | 33395.727 | 21.080 |
| 22709.096 | 34.570 | 1.015 | 14.807 |
| 10/18/2016 10:15:00 PM | 519300.000 | 72.374 | 17.994 |
| 164.964 | 28927.895 | 33397.000 | 21.081 |
| 22709.963 | 34.569 | 1.015 | 14.806 |
| 10/18/2016 10:20:00 PM | 519600.000 | 72.367 | 17.994 |
| 164.947 | 28930.438 | 33400.000 | 21.083 |
| 22712.002 | 34.566 | 1.015 | 14.807 |
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| 164.955 | 28936.430 | 33406.535 | 21.088 |
| 22716.443 | 34.559 | 1.015 | 14.807 |
| 10/18/2016 10:30:00 PM | 520200.000 | 72.364 | 17.994 |
| 164.940 | 28936.535 | 33406.656 | 21.088 |
| 22716.527 | 34.558 | 1.015 | 14.807 |
| 10/18/2016 10:35:00 PM | 520500.000 | 72.370 | 17.994 |
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| 10/18/2016 10:40:00 PM | 520800.000 | 72.371 | 17.995 |

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| 22727.207 | 34.542 | 1.015 | 14.806 |
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| 164.959 | 28935.238 | 33404.961 | 21.087 |
| 22715.373 | 34.560 | 1.015 | 14.805 |
| 10/18/2016 10:50:00 PM | 521400.000 | 72.373 | 17.994 |
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| 22716.672 | 34.558 | 1.015 | 14.805 |
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| 22702.018 | 34.580 | 1.015 | 14.805 |
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| 164.977 | 28943.078 | 33414.340 | 21.093 |
| 22721.752 | 34.551 | 1.015 | 14.807 |
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| 164.987 | 28940.080 | 33410.805 | 21.091 |
| 22719.350 | 34.554 | 1.015 | 14.807 |
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| 164.986 | 28932.654 | 33402.496 | 21.085 |
| 22713.697 | 34.563 | 1.015 | 14.807 |
| 10/18/2016 11:25:00 PM | 523500.000 | 72.383 | 17.994 |
| 164.983 | 28927.260 | 33395.879 | 21.080 |
| 22709.197 | 34.569 | 1.015 | 14.807 |
| 10/18/2016 11:30:00 PM | 523800.000 | 72.387 | 17.994 |
| 164.992 | 28939.617 | 33410.727 | 21.091 |
| 22719.295 | 34.555 | 1.015 | 14.807 |
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| 165.000 | 28963.623 | 33437.801 | 21.110 |
| 22737.705 | 34.526 | 1.015 | 14.807 |
| 10/18/2016 11:40:00 PM | 524400.000 | 72.389 | 17.994 |
| 164.997 | 28932.773 | 33402.313 | 21.085 |
| 22713.574 | 34.563 | 1.015 | 14.807 |
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| 165.005 | 28936.172 | 33406.105 | 21.088 |
| 22716.154 | 34.559 | 1.015 | 14.807 |
| 10/18/2016 11:50:00 PM | 525000.000 | 72.395 | 17.994 |
| 165.011 | 28939.518 | 33410.609 | 21.091 |
| 22719.215 | 34.555 | 1.015 | 14.806 |
| 10/18/2016 11:55:00 PM | 525300.000 | 72.400 | 17.994 |
| 165.022 | 28941.438 | 33412.699 | 21.092 |
| 22720.637 | 34.553 | 1.015 | 14.806 |
| 10/19/2016 12:00:00 AM | 525600.000 | 72.398 | 17.994 |
| 165.018 | 28949.521 | 33421.582 | 21.098 |
| 22726.678 | 34.543 | 1.015 | 14.806 |
| 10/19/2016 12:05:00 AM | 525900.000 | 72.406 | 17.994 |
| 165.035 | 28931.170 | 33400.395 | 21.084 |
| 22712.270 | 34.565 | 1.015 | 14.805 |
| 10/19/2016 12:10:00 AM | 526200.000 | 72.409 | 17.994 |

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| 22716.846 | 34.558 | 1.015 | 14.803 |
| 10/19/2016 12:15:00 AM | 526500.000 | 72.413 | 17.995 |
| 165.051 | 28941.943 | 33412.578 | 21.092 |
| 22720.555 | 34.552 | 1.015 | 14.802 |
| 10/19/2016 12:20:00 AM | 526800.000 | 72.415 | 17.994 |
| 165.055 | 28944.363 | 33416.016 | 21.094 |
| 22722.891 | 34.549 | 1.015 | 14.804 |
| 10/19/2016 12:25:00 AM | 527100.000 | 72.410 | 17.995 |
| 165.046 | 28953.270 | 33425.586 | 21.101 |
| 22729.398 | 34.538 | 1.015 | 14.806 |
| 10/19/2016 12:30:00 AM | 527400.000 | 72.413 | 17.993 |
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| 22721.814 | 34.551 | 1.015 | 14.808 |
| 10/19/2016 12:35:00 AM | 527700.000 | 72.419 | 17.994 |
| 165.065 | 28946.449 | 33417.973 | 21.096 |
| 22724.223 | 34.547 | 1.015 | 14.805 |
| 10/19/2016 12:40:00 AM | 528000.000 | 72.423 | 17.994 |
| 165.074 | 28944.385 | 33416.039 | 21.094 |
| 22722.908 | 34.549 | 1.015 | 14.802 |
| 10/19/2016 12:45:00 AM | 528300.000 | 72.428 | 17.994 |
| 165.086 | 28938.453 | 33409.059 | 21.090 |
| 22718.160 | 34.556 | 1.015 | 14.799 |
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| 165.087 | 28933.283 | 33403.031 | 21.085 |
| 22714.063 | 34.562 | 1.015 | 14.802 |
| 10/19/2016 12:55:00 AM | 528900.000 | 72.427 | 17.994 |
| 165.083 | 28937.145 | 33407.488 | 21.088 |
| 22717.092 | 34.558 | 1.015 | 14.805 |
| 10/19/2016 1:00:00 AM | 529200.000 | 72.429 | 17.994 |
| 165.087 | 28952.881 | 33425.398 | 21.101 |
| 22729.273 | 34.539 | 1.015 | 14.808 |
| 10/19/2016 1:05:00 AM | 529500.000 | 72.429 | 17.994 |
| 165.088 | 28951.438 | 33423.859 | 21.100 |
| 22728.227 | 34.541 | 1.015 | 14.808 |
| 10/19/2016 1:10:00 AM | 529800.000 | 72.431 | 17.995 |
| 165.093 | 28947.049 | 33418.473 | 21.096 |
| 22724.564 | 34.546 | 1.015 | 14.808 |
| 10/19/2016 1:15:00 AM | 530100.000 | 72.430 | 17.994 |
| 165.090 | 28946.902 | 33418.680 | 21.096 |
| 22724.705 | 34.546 | 1.015 | 14.809 |
| 10/19/2016 1:20:00 AM | 530400.000 | 72.437 | 17.994 |
| 165.106 | 28945.865 | 33417.297 | 21.095 |
| 22723.762 | 34.547 | 1.015 | 14.807 |
| 10/19/2016 1:25:00 AM | 530700.000 | 72.439 | 17.995 |
| 165.112 | 28953.676 | 33426.125 | 21.101 |
| 22729.768 | 34.538 | 1.015 | 14.806 |
| 10/19/2016 1:30:00 AM | 531000.000 | 72.438 | 17.994 |
| 165.108 | 28942.654 | 33414.043 | 21.093 |
| 22721.551 | 34.551 | 1.015 | 14.805 |
| 10/19/2016 1:35:00 AM | 531300.000 | 72.443 | 17.995 |
| 165.120 | 28940.006 | 33410.398 | 21.091 |
| 22719.072 | 34.554 | 1.015 | 14.806 |
| 10/19/2016 1:40:00 AM | 531600.000 | 72.441 | 17.994 |

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| 165.115 | 28938.811 | 33409.793 | 21.090 |
| 22718.660 | 34.556 | 1.015 | 14.807 |
| 10/19/2016 1:45:00 AM | 531900.000 | 72.444 | 17.995 |
| 165.122 | 28948.197 | 33419.922 | 21.097 |
| 22725.547 | 34.544 | 1.015 | 14.809 |
| 10/19/2016 1:50:00 AM | 532200.000 | 72.449 | 17.994 |
| 165.135 | 28937.322 | 33407.434 | 21.088 |
| 22717.057 | 34.557 | 1.015 | 14.808 |
| 10/19/2016 1:55:00 AM | 532500.000 | 72.432 | 17.994 |
| 165.094 | 28951.770 | 33424.629 | 21.100 |
| 22728.748 | 34.540 | 1.015 | 14.808 |
| 10/19/2016 2:00:00 AM | 532800.000 | 72.453 | 17.995 |
| 165.142 | 28942.822 | 33413.648 | 21.093 |
| 22721.283 | 34.551 | 1.015 | 14.808 |
| 10/19/2016 2:05:00 AM | 533100.000 | 72.451 | 17.994 |
| 165.139 | 28949.063 | 33420.988 | 21.098 |
| 22726.273 | 34.543 | 1.015 | 14.808 |
| 10/19/2016 2:10:00 AM | 533400.000 | 72.452 | 17.994 |
| 165.140 | 28938.791 | 33409.258 | 21.090 |
| 22718.297 | 34.556 | 1.015 | 14.808 |
| 10/19/2016 2:15:00 AM | 533700.000 | 72.458 | 17.995 |
| 165.155 | 28949.941 | 33421.813 | 21.098 |
| 22726.834 | 34.542 | 1.015 | 14.808 |
| 10/19/2016 2:20:00 AM | 534000.000 | 72.453 | 17.995 |
| 165.142 | 28940.488 | 33410.953 | 21.091 |
| 22719.449 | 34.554 | 1.015 | 14.809 |
| 10/19/2016 2:25:00 AM | 534300.000 | 72.457 | 17.995 |
| 165.153 | 28947.768 | 33419.359 | 21.097 |
| 22725.164 | 34.545 | 1.015 | 14.811 |
| 10/19/2016 2:30:00 AM | 534600.000 | 72.457 | 17.994 |
| 165.152 | 28954.258 | 33427.172 | 21.102 |
| 22730.479 | 34.537 | 1.015 | 14.812 |
| 10/19/2016 2:35:00 AM | 534900.000 | 72.462 | 17.994 |
| 165.164 | 28933.068 | 33402.711 | 21.085 |
| 22713.844 | 34.563 | 1.015 | 14.813 |
| 10/19/2016 2:40:00 AM | 535200.000 | 72.466 | 17.994 |
| 165.172 | 28935.730 | 33405.980 | 21.087 |
| 22716.068 | 34.559 | 1.015 | 14.815 |
| 10/19/2016 2:45:00 AM | 535500.000 | 72.458 | 17.994 |
| 165.155 | 28942.672 | 33413.738 | 21.093 |
| 22721.342 | 34.551 | 1.015 | 14.816 |
| 10/19/2016 2:50:00 AM | 535800.000 | 72.461 | 17.994 |
| 165.161 | 28927.430 | 33396.273 | 21.081 |
| 22709.467 | 34.569 | 1.015 | 14.815 |
| 10/19/2016 2:55:00 AM | 536100.000 | 72.463 | 17.995 |
| 165.167 | 28940.531 | 33410.813 | 21.091 |
| 22719.355 | 34.554 | 1.015 | 14.814 |
| 10/19/2016 3:00:00 AM | 536400.000 | 72.445 | 17.994 |
| 165.124 | 28945.471 | 33417.102 | 21.095 |
| 22723.631 | 34.548 | 1.015 | 14.813 |
| 10/19/2016 3:05:00 AM | 536700.000 | 72.469 | 17.994 |
| 165.179 | 28936.254 | 33406.715 | 21.088 |
| 22716.568 | 34.559 | 1.015 | 14.812 |
| 10/19/2016 3:10:00 AM | 537000.000 | 72.470 | 17.994 |

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| 165.182 | 28937.201 | 33407.297 | 21.088 |
| 22716.965 | 34.558 | 1.015 | 14.811 |
| 10/19/2016 3:15:00 AM | 537300.000 | 72.471 | 17.994 |
| 165.184 | 28933.939 | 33403.715 | 21.086 |
| 22714.527 | 34.561 | 1.015 | 14.810 |
| 10/19/2016 3:20:00 AM | 537600.000 | 72.471 | 17.994 |
| 165.184 | 28936.840 | 33407.137 | 21.088 |
| 22716.854 | 34.558 | 1.015 | 14.808 |
| 10/19/2016 3:25:00 AM | 537900.000 | 72.476 | 17.995 |
| 165.195 | 28942.205 | 33412.938 | 21.092 |
| 22720.799 | 34.552 | 1.015 | 14.807 |
| 10/19/2016 3:30:00 AM | 538200.000 | 72.473 | 17.994 |
| 165.189 | 28938.055 | 33408.602 | 21.089 |
| 22717.852 | 34.557 | 1.015 | 14.806 |
| 10/19/2016 3:35:00 AM | 538500.000 | 72.475 | 17.994 |
| 165.193 | 28948.107 | 33419.949 | 21.097 |
| 22725.566 | 34.545 | 1.015 | 14.808 |
| 10/19/2016 3:40:00 AM | 538800.000 | 72.470 | 17.994 |
| 165.181 | 28939.994 | 33410.582 | 21.091 |
| 22719.197 | 34.554 | 1.015 | 14.810 |
| 10/19/2016 3:45:00 AM | 539100.000 | 72.473 | 17.995 |
| 165.188 | 28937.830 | 33407.832 | 21.089 |
| 22717.326 | 34.557 | 1.015 | 14.811 |
| 10/19/2016 3:50:00 AM | 539400.000 | 72.469 | 17.994 |
| 165.179 | 28954.385 | 33427.320 | 21.102 |
| 22730.580 | 34.537 | 1.015 | 14.810 |
| 10/19/2016 3:55:00 AM | 539700.000 | 72.477 | 17.994 |
| 165.197 | 28940.789 | 33411.438 | 21.091 |
| 22719.777 | 34.553 | 1.015 | 14.810 |
| 10/19/2016 4:00:00 AM | 540000.000 | 72.476 | 17.994 |
| 165.194 | 28931.145 | 33400.684 | 21.084 |
| 22712.465 | 34.565 | 1.015 | 14.809 |
| 10/19/2016 4:05:00 AM | 540300.000 | 72.473 | 17.994 |
| 165.187 | 28941.604 | 33412.637 | 21.092 |
| 22720.594 | 34.552 | 1.015 | 14.807 |
| 10/19/2016 4:10:00 AM | 540600.000 | 72.479 | 17.994 |
| 165.201 | 28935.051 | 33405.133 | 21.087 |
| 22715.492 | 34.560 | 1.015 | 14.805 |
| 10/19/2016 4:15:00 AM | 540900.000 | 72.484 | 17.994 |
| 165.214 | 28947.205 | 33419.031 | 21.096 |
| 22724.943 | 34.546 | 1.015 | 14.803 |
| 10/19/2016 4:20:00 AM | 541200.000 | 72.478 | 17.994 |
| 165.200 | 28941.543 | 33412.496 | 21.092 |
| 22720.500 | 34.552 | 1.015 | 14.802 |
| 10/19/2016 4:25:00 AM | 541500.000 | 72.483 | 17.995 |
| 165.210 | 28944.658 | 33415.516 | 21.094 |
| 22722.551 | 34.549 | 1.015 | 14.800 |
| 10/19/2016 4:30:00 AM | 541800.000 | 72.482 | 17.994 |
| 165.209 | 28948.289 | 33420.227 | 21.097 |
| 22725.756 | 34.544 | 1.015 | 14.799 |
| 10/19/2016 4:35:00 AM | 542100.000 | 72.482 | 17.994 |
| 165.208 | 28933.592 | 33403.387 | 21.086 |
| 22714.305 | 34.562 | 1.015 | 14.802 |
| 10/19/2016 4:40:00 AM | 542400.000 | 72.477 | 17.994 |

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| 22717.211 | 34.557 | 1.015 | 14.804 |
| 10/19/2016 4:45:00 AM | 542700.000 | 72.473 | 17.995 |
| 165.188 | 28951.621 | 33423.684 | 21.100 |
| 22728.107 | 34.540 | 1.015 | 14.807 |
| 10/19/2016 4:50:00 AM | 543000.000 | 72.479 | 17.995 |
| 165.202 | 28942.641 | 33413.441 | 21.093 |
| 22721.143 | 34.551 | 1.015 | 14.804 |
| 10/19/2016 4:55:00 AM | 543300.000 | 72.458 | 17.994 |
| 165.155 | 28938.008 | 33408.414 | 21.089 |
| 22717.725 | 34.557 | 1.015 | 14.802 |
| 10/19/2016 5:00:00 AM | 543600.000 | 72.478 | 17.994 |
| 165.200 | 28939.406 | 33409.840 | 21.090 |
| 22718.693 | 34.555 | 1.015 | 14.800 |
| 10/19/2016 5:05:00 AM | 543900.000 | 72.477 | 17.994 |
| 165.197 | 28925.182 | 33393.738 | 21.079 |
| 22707.742 | 34.572 | 1.015 | 14.800 |
| 10/19/2016 5:10:00 AM | 544200.000 | 72.477 | 17.993 |
| 165.197 | 28938.371 | 33409.355 | 21.090 |
| 22718.363 | 34.556 | 1.015 | 14.801 |
| 10/19/2016 5:15:00 AM | 544500.000 | 72.475 | 17.994 |
| 165.194 | 28956.859 | 33430.176 | 21.104 |
| 22732.521 | 34.534 | 1.015 | 14.802 |
| 10/19/2016 5:20:00 AM | 544800.000 | 72.470 | 17.994 |
| 165.181 | 28942.844 | 33413.871 | 21.093 |
| 22721.434 | 34.551 | 1.015 | 14.803 |
| 10/19/2016 5:25:00 AM | 545100.000 | 72.472 | 17.994 |
| 165.185 | 28940.205 | 33410.824 | 21.091 |
| 22719.361 | 34.554 | 1.015 | 14.803 |
| 10/19/2016 5:30:00 AM | 545400.000 | 72.472 | 17.995 |
| 165.185 | 28938.609 | 33408.730 | 21.089 |
| 22717.939 | 34.556 | 1.015 | 14.804 |
| 10/19/2016 5:35:00 AM | 545700.000 | 72.466 | 17.994 |
| 165.172 | 28938.984 | 33409.355 | 21.090 |
| 22718.363 | 34.555 | 1.015 | 14.805 |
| 10/19/2016 5:40:00 AM | 546000.000 | 72.468 | 17.994 |
| 165.177 | 28959.477 | 33433.012 | 21.106 |
| 22734.447 | 34.531 | 1.015 | 14.806 |
| 10/19/2016 5:45:00 AM | 546300.000 | 72.461 | 17.994 |
| 165.161 | 28931.826 | 33401.219 | 21.084 |
| 22712.830 | 34.564 | 1.015 | 14.807 |
| 10/19/2016 5:50:00 AM | 546600.000 | 72.463 | 17.994 |
| 165.166 | 28943.953 | 33415.152 | 21.094 |
| 22722.305 | 34.550 | 1.015 | 14.808 |
| 10/19/2016 5:55:00 AM | 546900.000 | 72.458 | 17.995 |
| 165.154 | 28950.576 | 33422.602 | 21.099 |
| 22727.369 | 34.542 | 1.015 | 14.809 |
| 10/19/2016 6:00:00 AM | 547200.000 | 72.457 | 17.993 |
| 165.152 | 28930.258 | 33399.988 | 21.083 |
| 22711.994 | 34.566 | 1.015 | 14.810 |
| 10/19/2016 6:05:00 AM | 547500.000 | 72.463 | 17.994 |
| 165.165 | 28935.672 | 33405.660 | 21.087 |
| 22715.852 | 34.559 | 1.015 | 14.810 |
| 10/19/2016 6:10:00 AM | 547800.000 | 72.462 | 17.994 |

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| 165.164 | 28940.779 | 33411.688 | 21.091 |
| 22719.947 | 34.553 | 1.015 | 14.810 |
| 10/19/2016 6:15:00 AM | 548100.000 | 72.452 | 17.994 |
| 165.141 | 28944.463 | 33416.063 | 21.094 |
| 22722.924 | 34.549 | 1.015 | 14.811 |
| 10/19/2016 6:20:00 AM | 548400.000 | 72.456 | 17.994 |
| 165.150 | 28944.775 | 33416.102 | 21.094 |
| 22722.949 | 34.549 | 1.015 | 14.810 |
| 10/19/2016 6:25:00 AM | 548700.000 | 72.460 | 17.994 |
| 165.159 | 28937.182 | 33407.594 | 21.089 |
| 22717.164 | 34.558 | 1.015 | 14.810 |
| 10/19/2016 6:30:00 AM | 549000.000 | 72.458 | 17.994 |
| 165.154 | 28927.160 | 33396.023 | 21.081 |
| 22709.297 | 34.570 | 1.015 | 14.809 |
| 10/19/2016 6:35:00 AM | 549300.000 | 72.435 | 17.994 |
| 165.101 | 28943.936 | 33415.391 | 21.094 |
| 22722.467 | 34.550 | 1.015 | 14.807 |
| 10/19/2016 6:40:00 AM | 549600.000 | 72.458 | 17.994 |
| 165.153 | 28936.148 | 33406.340 | 21.088 |
| 22716.313 | 34.559 | 1.015 | 14.806 |
| 10/19/2016 6:45:00 AM | 549900.000 | 72.456 | 17.995 |
| 165.149 | 28951.900 | 33424.129 | 21.100 |
| 22728.408 | 34.540 | 1.015 | 14.804 |
| 10/19/2016 6:50:00 AM | 550200.000 | 72.458 | 17.994 |
| 165.154 | 28926.008 | 33394.957 | 21.080 |
| 22708.570 | 34.571 | 1.015 | 14.804 |
| 10/19/2016 6:55:00 AM | 550500.000 | 72.460 | 17.995 |
| 165.159 | 28945.051 | 33416.031 | 21.094 |
| 22722.904 | 34.548 | 1.015 | 14.803 |
| 10/19/2016 7:00:00 AM | 550800.000 | 72.463 | 17.994 |
| 165.166 | 28951.846 | 33424.715 | 21.100 |
| 22728.807 | 34.540 | 1.015 | 14.802 |
| 10/19/2016 7:05:00 AM | 551100.000 | 72.456 | 17.995 |
| 165.149 | 28939.813 | 33410.242 | 21.090 |
| 22718.965 | 34.554 | 1.015 | 14.806 |
| 10/19/2016 7:10:00 AM | 551400.000 | 72.454 | 17.994 |
| 165.144 | 28936.707 | 33407.043 | 21.088 |
| 22716.789 | 34.558 | 1.015 | 14.809 |
| 10/19/2016 7:15:00 AM | 551700.000 | 72.448 | 17.995 |
| 165.131 | 28950.893 | 33422.965 | 21.099 |
| 22727.619 | 34.541 | 1.015 | 14.813 |
| 10/19/2016 7:20:00 AM | 552000.000 | 72.450 | 17.995 |
| 165.136 | 28946.480 | 33417.816 | 21.096 |
| 22724.115 | 34.547 | 1.015 | 14.812 |
| 10/19/2016 7:25:00 AM | 552300.000 | 72.450 | 17.994 |
| 165.136 | 28944.264 | 33415.578 | 21.094 |
| 22722.596 | 34.549 | 1.015 | 14.811 |
| 10/19/2016 7:30:00 AM | 552600.000 | 72.452 | 17.994 |
| 165.141 | 28938.299 | 33408.824 | 21.089 |
| 22718.000 | 34.556 | 1.015 | 14.810 |
| 10/19/2016 7:35:00 AM | 552900.000 | 72.452 | 17.994 |
| 165.140 | 28947.451 | 33419.449 | 21.097 |
| 22725.227 | 34.545 | 1.015 | 14.810 |
| 10/19/2016 7:40:00 AM | 553200.000 | 72.454 | 17.994 |

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|---|---|---|---|
| 165.144 | 28941.768 | 33412.695 | 21.092 |
| 22720.635 | 34.552 | 1.015 | 14.809 |
| 10/19/2016 7:45:00 AM | 553500.000 | 72.454 | 17.994 |
| 165.146 | 28914.098 | 33381.207 | 21.070 |
| 22699.223 | 34.585 | 1.015 | 14.809 |
| 10/19/2016 7:50:00 AM | 553800.000 | 72.454 | 17.994 |
| 165.144 | 28939.102 | 33409.676 | 21.090 |
| 22718.580 | 34.555 | 1.015 | 14.810 |
| 10/19/2016 7:55:00 AM | 554100.000 | 72.453 | 17.994 |
| 165.142 | 28931.570 | 33401.309 | 21.084 |
| 22712.893 | 34.564 | 1.015 | 14.811 |
| 10/19/2016 8:00:00 AM | 554400.000 | 72.450 | 17.993 |
| 165.135 | 28939.270 | 33410.590 | 21.091 |
| 22719.201 | 34.555 | 1.015 | 14.812 |
| 10/19/2016 8:05:00 AM | 554700.000 | 72.446 | 17.995 |
| 165.127 | 28943.105 | 33414.047 | 21.093 |
| 22721.555 | 34.551 | 1.015 | 14.813 |
| 10/19/2016 8:10:00 AM | 555000.000 | 72.447 | 17.994 |
| 165.128 | 28937.396 | 33407.582 | 21.089 |
| 22717.158 | 34.557 | 1.015 | 14.814 |
| 10/19/2016 8:15:00 AM | 555300.000 | 72.446 | 17.994 |
| 165.128 | 28930.400 | 33399.824 | 21.083 |
| 22711.881 | 34.566 | 1.015 | 14.815 |
| 10/19/2016 8:20:00 AM | 555600.000 | 72.448 | 17.994 |
| 165.130 | 28949.607 | 33421.805 | 21.098 |
| 22726.830 | 34.543 | 1.015 | 14.815 |
| 10/19/2016 8:25:00 AM | 555900.000 | 72.451 | 17.994 |
| 165.137 | 28936.490 | 33406.793 | 21.088 |
| 22716.619 | 34.558 | 1.015 | 14.816 |
| 10/19/2016 8:30:00 AM | 556200.000 | 72.449 | 17.994 |
| 165.134 | 28953.727 | 33426.504 | 21.102 |
| 22730.023 | 34.538 | 1.015 | 14.816 |
| 10/19/2016 8:35:00 AM | 556500.000 | 72.454 | 17.995 |
| 165.144 | 28936.447 | 33406.234 | 21.088 |
| 22716.242 | 34.558 | 1.015 | 14.816 |
| 10/19/2016 8:40:00 AM | 556800.000 | 72.450 | 17.994 |
| 165.137 | 28958.818 | 33432.570 | 21.106 |
| 22734.150 | 34.532 | 1.015 | 14.816 |
| 10/19/2016 8:45:00 AM | 557100.000 | 72.450 | 17.994 |
| 165.137 | 28947.332 | 33419.504 | 21.097 |
| 22725.266 | 34.545 | 1.015 | 14.816 |
| 10/19/2016 8:50:00 AM | 557400.000 | 72.452 | 17.994 |
| 165.141 | 28931.059 | 33400.391 | 21.084 |
| 22712.268 | 34.565 | 1.015 | 14.819 |
| 10/19/2016 8:55:00 AM | 557700.000 | 72.447 | 17.995 |
| 165.128 | 28943.793 | 33414.516 | 21.093 |
| 22721.873 | 34.550 | 1.015 | 14.822 |
| 10/19/2016 9:00:00 AM | 558000.000 | 72.449 | 17.994 |
| 165.133 | 28941.818 | 33413.078 | 21.092 |
| 22720.895 | 34.552 | 1.015 | 14.824 |
| 10/19/2016 9:05:00 AM | 558300.000 | 72.450 | 17.994 |
| 165.136 | 28944.539 | 33416.027 | 21.094 |
| 22722.900 | 34.549 | 1.015 | 14.823 |
| 10/19/2016 9:10:00 AM | 558600.000 | 72.456 | 17.994 |

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|---|---|---|---|
| 165.150 | 28951.754 | 33424.477 | 21.100 |
| 22728.645 | 34.540 | 1.015 | 14.822 |
| 10/19/2016 9:15:00 AM | 558900.000 | 72.436 | 17.995 |
| 165.105 | 28952.037 | 33424.289 | 21.100 |
| 22728.520 | 34.540 | 1.015 | 14.821 |
| 10/19/2016 9:20:00 AM | 559200.000 | 72.460 | 17.994 |
| 165.159 | 28935.369 | 33405.563 | 21.087 |
| 22715.783 | 34.560 | 1.015 | 14.820 |
| 10/19/2016 9:25:00 AM | 559500.000 | 72.457 | 17.994 |
| 165.152 | 28952.654 | 33425.199 | 21.101 |
| 22729.135 | 34.539 | 1.015 | 14.820 |
| 10/19/2016 9:30:00 AM | 559800.000 | 72.460 | 17.994 |
| 165.159 | 28959.287 | 33433.113 | 21.106 |
| 22734.518 | 34.531 | 1.015 | 14.820 |
| 10/19/2016 9:35:00 AM | 560100.000 | 72.459 | 17.994 |
| 165.157 | 28955.205 | 33428.531 | 21.103 |
| 22731.404 | 34.536 | 1.015 | 14.822 |
| 10/19/2016 9:40:00 AM | 560400.000 | 72.460 | 17.995 |
| 165.159 | 28957.768 | 33430.973 | 21.105 |
| 22733.063 | 34.533 | 1.015 | 14.823 |
| 10/19/2016 9:45:00 AM | 560700.000 | 72.462 | 17.994 |
| 165.163 | 28952.559 | 33425.211 | 21.101 |
| 22729.145 | 34.539 | 1.015 | 14.825 |
| 10/19/2016 9:50:00 AM | 561000.000 | 72.463 | 17.995 |
| 165.166 | 28920.727 | 33388.016 | 21.075 |
| 22703.852 | 34.577 | 1.015 | 14.823 |
| 10/19/2016 9:55:00 AM | 561300.000 | 72.467 | 17.994 |
| 165.176 | 28952.523 | 33424.984 | 21.101 |
| 22728.990 | 34.539 | 1.015 | 14.822 |
| 10/19/2016 10:00:00 AM | 561600.000 | 72.465 | 17.994 |
| 165.170 | 28959.029 | 33432.625 | 21.106 |
| 22734.186 | 34.532 | 1.015 | 14.821 |
| 10/19/2016 10:05:00 AM | 561900.000 | 72.470 | 17.994 |
| 165.181 | 28946.637 | 33418.508 | 21.096 |
| 22724.586 | 34.546 | 1.015 | 14.819 |
| 10/19/2016 10:10:00 AM | 562200.000 | 72.473 | 17.994 |
| 165.188 | 28950.051 | 33422.258 | 21.099 |
| 22727.137 | 34.542 | 1.015 | 14.817 |
| 10/19/2016 10:15:00 AM | 562500.000 | 72.476 | 17.994 |
| 165.196 | 28939.684 | 33410.480 | 21.091 |
| 22719.127 | 34.555 | 1.015 | 14.815 |
| 10/19/2016 10:20:00 AM | 562800.000 | 72.478 | 17.994 |
| 165.199 | 28942.244 | 33413.246 | 21.092 |
| 22721.008 | 34.552 | 1.015 | 14.816 |
| 10/19/2016 10:25:00 AM | 563100.000 | 72.478 | 17.994 |
| 165.200 | 28930.762 | 33400.375 | 21.084 |
| 22712.258 | 34.565 | 1.015 | 14.818 |
| 10/19/2016 10:30:00 AM | 563400.000 | 72.480 | 17.994 |
| 165.205 | 28946.195 | 33418.129 | 21.096 |
| 22724.328 | 34.547 | 1.015 | 14.820 |
| 10/19/2016 10:35:00 AM | 563700.000 | 72.482 | 17.994 |
| 165.208 | 28935.023 | 33405.293 | 21.087 |
| 22715.602 | 34.560 | 1.015 | 14.818 |
| 10/19/2016 10:40:00 AM | 564000.000 | 72.487 | 17.994 |

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|---|---|---|---|
| 165.219 | 28934.617 | 33404.441 | 21.086 |
| 22715.021 | 34.561 | 1.015 | 14.817 |
| 10/19/2016 10:45:00 AM | 564300.000 | 72.485 | 17.994 |
| 165.215 | 28936.613 | 33406.617 | 21.088 |
| 22716.502 | 34.558 | 1.015 | 14.816 |
| 10/19/2016 10:50:00 AM | 564600.000 | 72.488 | 17.994 |
| 165.222 | 28933.605 | 33403.207 | 21.086 |
| 22714.182 | 34.562 | 1.015 | 14.816 |
| 10/19/2016 10:55:00 AM | 564900.000 | 72.490 | 17.994 |
| 165.228 | 28944.707 | 33416.410 | 21.095 |
| 22723.160 | 34.549 | 1.015 | 14.816 |
| 10/19/2016 11:00:00 AM | 565200.000 | 72.494 | 17.994 |
| 165.237 | 28959.770 | 33433.414 | 21.106 |
| 22734.725 | 34.531 | 1.015 | 14.816 |
| 10/19/2016 11:05:00 AM | 565500.000 | 72.501 | 17.994 |
| 165.253 | 28954.176 | 33427.020 | 21.102 |
| 22730.373 | 34.537 | 1.015 | 14.816 |
| 10/19/2016 11:10:00 AM | 565800.000 | 72.500 | 17.994 |
| 165.250 | 28928.627 | 33397.777 | 21.082 |
| 22710.490 | 34.568 | 1.015 | 14.816 |
| 10/19/2016 11:15:00 AM | 566100.000 | 72.486 | 17.995 |
| 165.218 | 28934.744 | 33404.270 | 21.086 |
| 22714.904 | 34.561 | 1.015 | 14.815 |
| 10/19/2016 11:20:00 AM | 566400.000 | 72.502 | 17.995 |
| 165.254 | 28945.979 | 33417.363 | 21.095 |
| 22723.809 | 34.547 | 1.015 | 14.815 |
| 10/19/2016 11:25:00 AM | 566700.000 | 72.506 | 17.994 |
| 165.263 | 28962.375 | 33436.941 | 21.109 |
| 22737.121 | 34.528 | 1.015 | 14.814 |
| 10/19/2016 11:30:00 AM | 567000.000 | 72.510 | 17.994 |
| 165.272 | 28940.395 | 33411.168 | 21.091 |
| 22719.596 | 34.554 | 1.015 | 14.813 |
| 10/19/2016 11:35:00 AM | 567300.000 | 72.490 | 17.994 |
| 165.226 | 28940.637 | 33411.582 | 21.091 |
| 22719.877 | 34.553 | 1.015 | 14.813 |
| 10/19/2016 11:40:00 AM | 567600.000 | 72.511 | 17.994 |
| 165.276 | 28949.443 | 33421.613 | 21.098 |
| 22726.697 | 34.543 | 1.015 | 14.812 |
| 10/19/2016 11:45:00 AM | 567900.000 | 72.514 | 17.994 |
| 165.282 | 28957.727 | 33431.313 | 21.105 |
| 22733.293 | 34.533 | 1.015 | 14.812 |
| 10/19/2016 11:50:00 AM | 568200.000 | 72.514 | 17.995 |
| 165.283 | 28924.963 | 33392.977 | 21.078 |
| 22707.227 | 34.572 | 1.015 | 14.810 |
| 10/19/2016 11:55:00 AM | 568500.000 | 72.519 | 17.994 |
| 165.293 | 28937.084 | 33407.223 | 21.088 |
| 22716.914 | 34.558 | 1.015 | 14.808 |
| 10/19/2016 12:00:00 PM | 568800.000 | 72.527 | 17.994 |
| 165.311 | 28954.430 | 33427.371 | 21.102 |
| 22730.613 | 34.537 | 1.015 | 14.806 |
| 10/19/2016 12:05:00 PM | 569100.000 | 72.532 | 17.993 |
| 165.323 | 28937.090 | 33407.875 | 21.089 |
| 22717.355 | 34.558 | 1.015 | 14.804 |
| 10/19/2016 12:10:00 PM | 569400.000 | 72.531 | 17.995 |

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|---|---|---|---|
| 165.321 | 28956.813 | 33429.801 | 21.104 |
| 22732.268 | 34.534 | 1.015 | 14.802 |
| 10/19/2016 12:15:00 PM | 569700.000 | 72.535 | 17.994 |
| 165.330 | 28945.293 | 33416.957 | 21.095 |
| 22723.531 | 34.548 | 1.015 | 14.800 |
| 10/19/2016 12:20:00 PM | 570000.000 | 72.540 | 17.995 |
| 165.342 | 28939.094 | 33409.289 | 21.090 |
| 22718.316 | 34.555 | 1.015 | 14.800 |
| 10/19/2016 12:25:00 PM | 570300.000 | 72.521 | 17.994 |
| 165.298 | 28955.822 | 33429.176 | 21.104 |
| 22731.840 | 34.535 | 1.015 | 14.800 |
| 10/19/2016 12:30:00 PM | 570600.000 | 72.539 | 17.995 |
| 165.340 | 28962.457 | 33436.387 | 21.109 |
| 22736.746 | 34.527 | 1.015 | 14.800 |
| 10/19/2016 12:35:00 PM | 570900.000 | 72.545 | 17.994 |
| 165.353 | 28936.654 | 33406.926 | 21.088 |
| 22716.709 | 34.558 | 1.015 | 14.800 |
| 10/19/2016 12:40:00 PM | 571200.000 | 72.548 | 17.994 |
| 165.359 | 28956.158 | 33429.441 | 21.104 |
| 22732.021 | 34.535 | 1.015 | 14.801 |
| 10/19/2016 12:45:00 PM | 571500.000 | 72.544 | 17.993 |
| 165.351 | 28949.221 | 33421.879 | 21.098 |
| 22726.877 | 34.543 | 1.015 | 14.801 |
| 10/19/2016 12:50:00 PM | 571800.000 | 72.547 | 17.994 |
| 165.357 | 28945.045 | 33416.480 | 21.095 |
| 22723.207 | 34.548 | 1.015 | 14.799 |
| 10/19/2016 12:55:00 PM | 572100.000 | 72.552 | 17.994 |
| 165.369 | 28938.404 | 33408.746 | 21.089 |
| 22717.949 | 34.556 | 1.015 | 14.796 |
| 10/19/2016 1:00:00 PM | 572400.000 | 72.541 | 17.994 |
| 165.343 | 28949.574 | 33421.707 | 21.098 |
| 22726.764 | 34.543 | 1.015 | 14.794 |
| 10/19/2016 1:05:00 PM | 572700.000 | 72.560 | 17.994 |
| 165.386 | 28955.027 | 33428.324 | 21.103 |
| 22731.260 | 34.536 | 1.015 | 14.795 |
| 10/19/2016 1:10:00 PM | 573000.000 | 72.563 | 17.994 |
| 165.393 | 28933.748 | 33403.438 | 21.086 |
| 22714.338 | 34.562 | 1.015 | 14.795 |
| 10/19/2016 1:15:00 PM | 573300.000 | 72.564 | 17.994 |
| 165.397 | 28948.664 | 33420.590 | 21.098 |
| 22726.004 | 34.544 | 1.015 | 14.796 |
| 10/19/2016 1:20:00 PM | 573600.000 | 72.563 | 17.994 |
| 165.394 | 28958.459 | 33432.098 | 21.106 |
| 22733.828 | 34.532 | 1.015 | 14.794 |
| 10/19/2016 1:25:00 PM | 573900.000 | 72.567 | 17.994 |
| 165.402 | 28943.910 | 33415.227 | 21.094 |
| 22722.355 | 34.550 | 1.015 | 14.793 |
| 10/19/2016 1:30:00 PM | 574200.000 | 72.571 | 17.995 |
| 165.412 | 28943.018 | 33413.945 | 21.093 |
| 22721.482 | 34.551 | 1.015 | 14.792 |
| 10/19/2016 1:35:00 PM | 574500.000 | 72.568 | 17.994 |
| 165.406 | 28946.641 | 33418.379 | 21.096 |
| 22724.498 | 34.546 | 1.015 | 14.793 |
| 10/19/2016 1:40:00 PM | 574800.000 | 72.568 | 17.994 |

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|---|---|---|---|
| 165.404 | 28952.059 | 33424.578 | 21.100 |
| 22728.715 | 34.540 | 1.015 | 14.794 |
| 10/19/2016 1:45:00 PM | 575100.000 | 72.568 | 17.994 |
| 165.406 | 28938.717 | 33409.047 | 21.090 |
| 22718.152 | 34.556 | 1.015 | 14.796 |
| 10/19/2016 1:50:00 PM | 575400.000 | 72.572 | 17.994 |
| 165.413 | 28950.582 | 33423.328 | 21.099 |
| 22727.865 | 34.542 | 1.015 | 14.795 |
| 10/19/2016 1:55:00 PM | 575700.000 | 72.571 | 17.994 |
| 165.412 | 28940.143 | 33410.754 | 21.091 |
| 22719.313 | 34.554 | 1.015 | 14.794 |
| 10/19/2016 2:00:00 PM | 576000.000 | 72.573 | 17.994 |
| 165.417 | 28930.918 | 33400.227 | 21.083 |
| 22712.156 | 34.565 | 1.015 | 14.793 |
| 10/19/2016 2:05:00 PM | 576300.000 | 72.576 | 17.995 |
| 165.423 | 28936.891 | 33406.871 | 21.088 |
| 22716.674 | 34.558 | 1.015 | 14.794 |
| 10/19/2016 2:10:00 PM | 576600.000 | 72.577 | 17.994 |
| 165.425 | 28950.680 | 33423.043 | 21.099 |
| 22727.670 | 34.542 | 1.015 | 14.794 |
| 10/19/2016 2:15:00 PM | 576900.000 | 72.569 | 17.994 |
| 165.408 | 28948.762 | 33421.156 | 21.098 |
| 22726.387 | 34.544 | 1.015 | 14.794 |
| 10/19/2016 2:20:00 PM | 577200.000 | 72.575 | 17.995 |
| 165.422 | 28949.861 | 33421.719 | 21.098 |
| 22726.770 | 34.542 | 1.015 | 14.791 |
| 10/19/2016 2:25:00 PM | 577500.000 | 72.579 | 17.994 |
| 165.430 | 28946.414 | 33418.313 | 21.096 |
| 22724.455 | 34.547 | 1.015 | 14.789 |
| 10/19/2016 2:30:00 PM | 577800.000 | 72.579 | 17.994 |
| 165.430 | 28955.857 | 33429.094 | 21.103 |
| 22731.785 | 34.535 | 1.015 | 14.786 |
| 10/19/2016 2:35:00 PM | 578100.000 | 72.587 | 17.995 |
| 165.449 | 28945.467 | 33416.648 | 21.095 |
| 22723.322 | 34.548 | 1.015 | 14.785 |
| 10/19/2016 2:40:00 PM | 578400.000 | 72.588 | 17.994 |
| 165.451 | 28953.199 | 33426.348 | 21.102 |
| 22729.918 | 34.538 | 1.015 | 14.783 |
| 10/19/2016 2:45:00 PM | 578700.000 | 72.583 | 17.994 |
| 165.438 | 28952.453 | 33424.902 | 21.101 |
| 22728.936 | 34.539 | 1.015 | 14.782 |
| 10/19/2016 2:50:00 PM | 579000.000 | 72.587 | 17.994 |
| 165.449 | 28945.072 | 33416.512 | 21.095 |
| 22723.230 | 34.548 | 1.015 | 14.783 |
| 10/19/2016 2:55:00 PM | 579300.000 | 72.578 | 17.994 |
| 165.428 | 28940.645 | 33411.855 | 21.091 |
| 22720.064 | 34.553 | 1.015 | 14.785 |
| 10/19/2016 3:00:00 PM | 579600.000 | 72.580 | 17.995 |
| 165.433 | 28946.943 | 33418.477 | 21.096 |
| 22724.566 | 34.546 | 1.015 | 14.786 |
| 10/19/2016 3:05:00 PM | 579900.000 | 72.579 | 17.994 |
| 165.429 | 28954.469 | 33427.359 | 21.102 |
| 22730.605 | 34.537 | 1.015 | 14.787 |
| 10/19/2016 3:10:00 PM | 580200.000 | 72.580 | 17.994 |

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| 165.431 | 28958.852 | 33432.418 | 21.106 |
| 22734.047 | 34.532 | 1.015 | 14.787 |
| 10/19/2016 3:15:00 PM | 580500.000 | 72.582 | 17.994 |
| 165.437 | 28953.260 | 33425.836 | 21.101 |
| 22729.570 | 34.538 | 1.015 | 14.787 |
| 10/19/2016 3:20:00 PM | 580800.000 | 72.578 | 17.994 |
| 165.429 | 28951.232 | 33423.754 | 21.100 |
| 22728.152 | 34.541 | 1.015 | 14.786 |
| 10/19/2016 3:25:00 PM | 581100.000 | 72.579 | 17.994 |
| 165.429 | 28947.463 | 33419.203 | 21.097 |
| 22725.059 | 34.545 | 1.015 | 14.784 |
| 10/19/2016 3:30:00 PM | 581400.000 | 72.582 | 17.994 |
| 165.436 | 28943.115 | 33414.441 | 21.093 |
| 22721.820 | 34.551 | 1.015 | 14.783 |
| 10/19/2016 3:35:00 PM | 581700.000 | 72.579 | 17.995 |
| 165.431 | 28948.586 | 33420.246 | 21.097 |
| 22725.770 | 34.544 | 1.015 | 14.782 |
| 10/19/2016 3:40:00 PM | 582000.000 | 72.582 | 17.994 |
| 165.436 | 28948.537 | 33420.512 | 21.098 |
| 22725.949 | 34.544 | 1.015 | 14.781 |
| 10/19/2016 3:45:00 PM | 582300.000 | 72.552 | 17.995 |
| 165.368 | 28946.832 | 33418.348 | 21.096 |
| 22724.479 | 34.546 | 1.015 | 14.781 |
| 10/19/2016 3:50:00 PM | 582600.000 | 72.575 | 17.994 |
| 165.420 | 28951.176 | 33423.750 | 21.100 |
| 22728.150 | 34.541 | 1.015 | 14.780 |
| 10/19/2016 3:55:00 PM | 582900.000 | 72.571 | 17.994 |
| 165.412 | 28949.238 | 33421.379 | 21.098 |
| 22726.537 | 34.543 | 1.015 | 14.779 |
| 10/19/2016 4:00:00 PM | 583200.000 | 72.571 | 17.995 |
| 165.412 | 28960.100 | 33433.406 | 21.107 |
| 22734.719 | 34.530 | 1.015 | 14.778 |
| 10/19/2016 4:05:00 PM | 583500.000 | 72.553 | 17.995 |
| 165.371 | 28954.121 | 33426.570 | 21.102 |
| 22730.070 | 34.537 | 1.015 | 14.779 |
| 10/19/2016 4:10:00 PM | 583800.000 | 72.569 | 17.995 |
| 165.408 | 28949.049 | 33420.836 | 21.098 |
| 22726.170 | 34.543 | 1.015 | 14.780 |
| 10/19/2016 4:15:00 PM | 584100.000 | 72.564 | 17.994 |
| 165.396 | 28955.822 | 33428.793 | 21.103 |
| 22731.580 | 34.535 | 1.015 | 14.782 |
| 10/19/2016 4:20:00 PM | 584400.000 | 72.561 | 17.995 |
| 165.388 | 28954.611 | 33427.258 | 21.102 |
| 22730.535 | 34.537 | 1.015 | 14.782 |
| 10/19/2016 4:25:00 PM | 584700.000 | 72.558 | 17.994 |
| 165.382 | 28956.191 | 33429.281 | 21.104 |
| 22731.912 | 34.535 | 1.015 | 14.783 |
| 10/19/2016 4:30:00 PM | 585000.000 | 72.559 | 17.994 |
| 165.384 | 28958.162 | 33431.555 | 21.105 |
| 22733.457 | 34.533 | 1.015 | 14.783 |
| 10/19/2016 4:35:00 PM | 585300.000 | 72.553 | 17.994 |
| 165.370 | 28928.420 | 33397.344 | 21.081 |
| 22710.193 | 34.568 | 1.015 | 14.783 |
| 10/19/2016 4:40:00 PM | 585600.000 | 72.534 | 17.995 |

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|---|---|---|---|
| 165.327 | 28942.875 | 33413.777 | 21.093 |
| 22721.371 | 34.551 | 1.015 | 14.782 |
| 10/19/2016 4:45:00 PM | 585900.000 | 72.550 | 17.995 |
| 165.364 | 28932.793 | 33402.070 | 21.085 |
| 22713.410 | 34.563 | 1.015 | 14.782 |
| 10/19/2016 4:50:00 PM | 586200.000 | 72.552 | 17.994 |
| 165.368 | 28964.311 | 33438.914 | 21.110 |
| 22738.463 | 34.525 | 1.015 | 14.781 |
| 10/19/2016 4:55:00 PM | 586500.000 | 72.547 | 17.994 |
| 165.358 | 28933.158 | 33402.691 | 21.085 |
| 22713.830 | 34.562 | 1.015 | 14.780 |
| 10/19/2016 5:00:00 PM | 586800.000 | 72.523 | 17.995 |
| 165.302 | 28957.557 | 33430.660 | 21.105 |
| 22732.852 | 34.533 | 1.015 | 14.780 |
| 10/19/2016 5:05:00 PM | 587100.000 | 72.540 | 17.994 |
| 165.340 | 28957.451 | 33430.992 | 21.105 |
| 22733.076 | 34.533 | 1.015 | 14.779 |
| 10/19/2016 5:10:00 PM | 587400.000 | 72.534 | 17.994 |
| 165.327 | 28947.012 | 33419.133 | 21.097 |
| 22725.010 | 34.546 | 1.015 | 14.779 |
| 10/19/2016 5:15:00 PM | 587700.000 | 72.539 | 17.994 |
| 165.339 | 28937.014 | 33407.398 | 21.088 |
| 22717.031 | 34.558 | 1.015 | 14.778 |
| 10/19/2016 5:20:00 PM | 588000.000 | 72.537 | 17.995 |
| 165.335 | 28948.262 | 33419.930 | 21.097 |
| 22725.553 | 34.544 | 1.015 | 14.778 |
| 10/19/2016 5:25:00 PM | 588300.000 | 72.531 | 17.994 |
| 165.320 | 28944.564 | 33416.309 | 21.095 |
| 22723.092 | 34.549 | 1.015 | 14.777 |
| 10/19/2016 5:30:00 PM | 588600.000 | 72.501 | 17.994 |
| 165.253 | 28942.654 | 33414.043 | 21.093 |
| 22721.551 | 34.551 | 1.015 | 14.777 |
| 10/19/2016 5:35:00 PM | 588900.000 | 72.526 | 17.994 |
| 165.309 | 28942.799 | 33414.270 | 21.093 |
| 22721.705 | 34.551 | 1.015 | 14.777 |
| 10/19/2016 5:40:00 PM | 589200.000 | 72.523 | 17.994 |
| 165.301 | 28944.820 | 33416.410 | 21.095 |
| 22723.160 | 34.548 | 1.015 | 14.778 |
| 10/19/2016 5:45:00 PM | 589500.000 | 72.517 | 17.994 |
| 165.288 | 28955.871 | 33428.848 | 21.103 |
| 22731.619 | 34.535 | 1.015 | 14.778 |
| 10/19/2016 5:50:00 PM | 589800.000 | 72.513 | 17.995 |
| 165.279 | 28941.178 | 33411.695 | 21.091 |
| 22719.953 | 34.553 | 1.015 | 14.778 |
| 10/19/2016 5:55:00 PM | 590100.000 | 72.509 | 17.994 |
| 165.271 | 28943.449 | 33414.695 | 21.093 |
| 22721.992 | 34.550 | 1.015 | 14.779 |
| 10/19/2016 6:00:00 PM | 590400.000 | 72.504 | 17.994 |
| 165.258 | 28940.180 | 33411.316 | 21.091 |
| 22719.695 | 34.554 | 1.015 | 14.779 |
| 10/19/2016 6:05:00 PM | 590700.000 | 72.483 | 17.995 |
| 165.211 | 28945.621 | 33416.629 | 21.095 |
| 22723.311 | 34.548 | 1.015 | 14.779 |
| 10/19/2016 6:10:00 PM | 591000.000 | 72.502 | 17.994 |

| | | | |
|---|---|---|---|
| 165.255 | 28942.486 | 33413.910 | 21.093 |
| 22721.461 | 34.551 | 1.015 | 14.779 |
| 10/19/2016 6:15:00 PM | 591300.000 | 72.496 | 17.994 |
| 165.240 | 28948.301 | 33420.297 | 21.097 |
| 22725.803 | 34.544 | 1.015 | 14.778 |
| 10/19/2016 6:20:00 PM | 591600.000 | 72.498 | 17.995 |
| 165.245 | 28936.301 | 33406.066 | 21.088 |
| 22716.125 | 34.559 | 1.015 | 14.777 |
| 10/19/2016 6:25:00 PM | 591900.000 | 72.493 | 17.994 |
| 165.233 | 28950.943 | 33423.160 | 21.099 |
| 22727.750 | 34.541 | 1.015 | 14.776 |
| 10/19/2016 6:30:00 PM | 592200.000 | 72.494 | 17.995 |
| 165.236 | 28924.076 | 33391.883 | 21.078 |
| 22706.482 | 34.573 | 1.015 | 14.774 |
| 10/19/2016 6:35:00 PM | 592500.000 | 72.484 | 17.994 |
| 165.213 | 28932.854 | 33402.535 | 21.085 |
| 22713.727 | 34.563 | 1.015 | 14.776 |
| 10/19/2016 6:40:00 PM | 592800.000 | 72.478 | 17.994 |
| 165.199 | 28958.014 | 33431.387 | 21.105 |
| 22733.346 | 34.533 | 1.015 | 14.777 |
| 10/19/2016 6:45:00 PM | 593100.000 | 72.475 | 17.994 |
| 165.193 | 28954.844 | 33427.852 | 21.103 |
| 22730.939 | 34.537 | 1.015 | 14.779 |
| 10/19/2016 6:50:00 PM | 593400.000 | 72.468 | 17.994 |
| 165.177 | 28949.400 | 33421.508 | 21.098 |
| 22726.625 | 34.543 | 1.015 | 14.778 |
| 10/19/2016 6:55:00 PM | 593700.000 | 72.469 | 17.995 |
| 165.178 | 28951.754 | 33423.961 | 21.100 |
| 22728.295 | 34.540 | 1.015 | 14.777 |
| 10/19/2016 7:00:00 PM | 594000.000 | 72.467 | 17.995 |
| 165.174 | 28936.305 | 33406.000 | 21.087 |
| 22716.082 | 34.559 | 1.015 | 14.776 |
| 10/19/2016 7:05:00 PM | 594300.000 | 72.464 | 17.995 |
| 165.168 | 28954.459 | 33426.961 | 21.102 |
| 22730.336 | 34.537 | 1.015 | 14.776 |
| 10/19/2016 7:10:00 PM | 594600.000 | 72.443 | 17.994 |
| 165.119 | 28931.951 | 33401.684 | 21.084 |
| 22713.146 | 34.564 | 1.015 | 14.775 |
| 10/19/2016 7:15:00 PM | 594900.000 | 72.457 | 17.994 |
| 165.151 | 28956.650 | 33429.750 | 21.104 |
| 22732.230 | 34.534 | 1.015 | 14.775 |
| 10/19/2016 7:20:00 PM | 595200.000 | 72.454 | 17.995 |
| 165.145 | 28936.553 | 33406.480 | 21.088 |
| 22716.408 | 34.558 | 1.015 | 14.778 |
| 10/19/2016 7:25:00 PM | 595500.000 | 72.447 | 17.994 |
| 165.129 | 28946.584 | 33418.129 | 21.096 |
| 22724.328 | 34.546 | 1.015 | 14.780 |
| 10/19/2016 7:30:00 PM | 595800.000 | 72.443 | 17.995 |
| 165.119 | 28947.301 | 33418.820 | 21.096 |
| 22724.801 | 34.546 | 1.015 | 14.782 |
| 10/19/2016 7:35:00 PM | 596100.000 | 72.438 | 17.995 |
| 165.108 | 28958.193 | 33431.465 | 21.105 |
| 22733.398 | 34.533 | 1.015 | 14.782 |
| 10/19/2016 7:40:00 PM | 596400.000 | 72.435 | 17.994 |

| | | | |
|---|---|---|---|
| 165.102 | 28963.912 | 33438.391 | 21.110 |
| 22738.105 | 34.526 | 1.015 | 14.782 |
| 10/19/2016 7:45:00 PM | 596700.000 | 72.433 | 17.994 |
| 165.098 | 28963.420 | 33437.691 | 21.109 |
| 22737.633 | 34.526 | 1.015 | 14.782 |
| 10/19/2016 7:50:00 PM | 597000.000 | 72.431 | 17.995 |
| 165.093 | 28952.074 | 33424.273 | 21.100 |
| 22728.506 | 34.540 | 1.015 | 14.782 |
| 10/19/2016 7:55:00 PM | 597300.000 | 72.431 | 17.994 |
| 165.092 | 28931.221 | 33400.453 | 21.084 |
| 22712.309 | 34.565 | 1.015 | 14.782 |
| 10/19/2016 8:00:00 PM | 597600.000 | 72.422 | 17.995 |
| 165.072 | 28947.057 | 33418.484 | 21.096 |
| 22724.570 | 34.546 | 1.015 | 14.783 |
| 10/19/2016 8:05:00 PM | 597900.000 | 72.418 | 17.995 |
| 165.064 | 28928.361 | 33396.898 | 21.081 |
| 22709.893 | 34.568 | 1.015 | 14.784 |
| 10/19/2016 8:10:00 PM | 598200.000 | 72.415 | 17.994 |
| 165.057 | 28940.309 | 33411.070 | 21.091 |
| 22719.527 | 34.554 | 1.015 | 14.785 |
| 10/19/2016 8:15:00 PM | 598500.000 | 72.410 | 17.995 |
| 165.044 | 28947.445 | 33419.055 | 21.097 |
| 22724.959 | 34.545 | 1.015 | 14.787 |
| 10/19/2016 8:20:00 PM | 598800.000 | 72.413 | 17.994 |
| 165.051 | 28947.332 | 33419.441 | 21.097 |
| 22725.221 | 34.545 | 1.015 | 14.786 |
| 10/19/2016 8:25:00 PM | 599100.000 | 72.411 | 17.994 |
| 165.047 | 28970.244 | 33445.504 | 21.115 |
| 22742.945 | 34.518 | 1.015 | 14.786 |
| 10/19/2016 8:30:00 PM | 599400.000 | 72.406 | 17.994 |
| 165.036 | 28945.617 | 33417.395 | 21.095 |
| 22723.830 | 34.548 | 1.015 | 14.785 |
| 10/19/2016 8:35:00 PM | 599700.000 | 72.402 | 17.995 |
| 165.026 | 28941.684 | 33412.145 | 21.092 |
| 22720.258 | 34.552 | 1.015 | 14.784 |
| 10/19/2016 8:40:00 PM | 600000.000 | 72.408 | 17.994 |
| 165.040 | 28953.383 | 33426.238 | 21.101 |
| 22729.844 | 34.538 | 1.015 | 14.782 |
| 10/19/2016 8:45:00 PM | 600300.000 | 72.404 | 17.994 |
| 165.030 | 28955.342 | 33428.500 | 21.103 |
| 22731.383 | 34.536 | 1.015 | 14.781 |
| 10/19/2016 8:50:00 PM | 600600.000 | 72.401 | 17.994 |
| 165.023 | 28958.748 | 33432.492 | 21.106 |
| 22734.096 | 34.532 | 1.015 | 14.782 |
| 10/19/2016 8:55:00 PM | 600900.000 | 72.396 | 17.995 |
| 165.013 | 28955.361 | 33428.070 | 21.103 |
| 22731.088 | 34.536 | 1.015 | 14.784 |
| 10/19/2016 9:00:00 PM | 601200.000 | 72.391 | 17.995 |
| 165.000 | 28944.168 | 33415.203 | 21.094 |
| 22722.340 | 34.549 | 1.015 | 14.786 |
| 10/19/2016 9:05:00 PM | 601500.000 | 72.389 | 17.995 |
| 164.996 | 28960.068 | 33433.629 | 21.107 |
| 22734.869 | 34.530 | 1.015 | 14.786 |
| 10/19/2016 9:10:00 PM | 601800.000 | 72.388 | 17.994 |

| | | | |
|---|---|---|---|
| 164.995 | 28963.141 | 33437.371 | 21.109 |
| 22737.414 | 34.527 | 1.015 | 14.786 |
| 10/19/2016 9:15:00 PM | 602100.000 | 72.387 | 17.995 |
| 164.992 | 28946.156 | 33417.246 | 21.095 |
| 22723.730 | 34.547 | 1.015 | 14.787 |
| 10/19/2016 9:20:00 PM | 602400.000 | 72.384 | 17.994 |
| 164.985 | 28941.189 | 33412.219 | 21.092 |
| 22720.311 | 34.553 | 1.015 | 14.789 |
| 10/19/2016 9:25:00 PM | 602700.000 | 72.377 | 17.995 |
| 164.969 | 28949.859 | 33421.844 | 21.098 |
| 22726.854 | 34.542 | 1.015 | 14.791 |
| 10/19/2016 9:30:00 PM | 603000.000 | 72.376 | 17.994 |
| 164.968 | 28953.646 | 33426.543 | 21.102 |
| 22730.049 | 34.538 | 1.015 | 14.792 |
| 10/19/2016 9:35:00 PM | 603300.000 | 72.374 | 17.995 |
| 164.963 | 28945.895 | 33417.266 | 21.095 |
| 22723.742 | 34.547 | 1.015 | 14.792 |
| 10/19/2016 9:40:00 PM | 603600.000 | 72.375 | 17.994 |
| 164.966 | 28954.129 | 33427.156 | 21.102 |
| 22730.469 | 34.537 | 1.015 | 14.792 |
| 10/19/2016 9:45:00 PM | 603900.000 | 72.372 | 17.994 |
| 164.957 | 28964.178 | 33438.758 | 21.110 |
| 22738.355 | 34.525 | 1.015 | 14.792 |
| 10/19/2016 9:50:00 PM | 604200.000 | 72.373 | 17.994 |
| 164.961 | 28955.842 | 33429.074 | 21.103 |
| 22731.773 | 34.535 | 1.015 | 14.792 |
| 10/19/2016 9:55:00 PM | 604500.000 | 72.374 | 17.994 |
| 164.964 | 28936.027 | 33406.070 | 21.087 |
| 22716.129 | 34.559 | 1.015 | 14.791 |
| 10/19/2016 10:00:00 PM | 604800.000 | 72.372 | 17.994 |
| 164.959 | 28938.859 | 33409.273 | 21.090 |
| 22718.307 | 34.556 | 1.015 | 14.790 |
| 10/19/2016 10:05:00 PM | 605100.000 | 72.373 | 17.994 |
| 164.961 | 28940.051 | 33411.035 | 21.091 |
| 22719.506 | 34.554 | 1.015 | 14.791 |
| 10/19/2016 10:10:00 PM | 605400.000 | 72.370 | 17.995 |
| 164.955 | 28958.395 | 33431.695 | 21.105 |
| 22733.553 | 34.532 | 1.015 | 14.792 |
| 10/19/2016 10:15:00 PM | 605700.000 | 72.374 | 17.994 |
| 164.963 | 28938.916 | 33409.461 | 21.090 |
| 22718.436 | 34.556 | 1.015 | 14.794 |
| 10/19/2016 10:20:00 PM | 606000.000 | 72.372 | 17.995 |
| 164.959 | 28939.117 | 33409.371 | 21.090 |
| 22718.375 | 34.555 | 1.015 | 14.792 |
| 10/19/2016 10:25:00 PM | 606300.000 | 72.370 | 17.994 |
| 164.953 | 28944.514 | 33415.867 | 21.094 |
| 22722.789 | 34.549 | 1.015 | 14.791 |
| 10/19/2016 10:30:00 PM | 606600.000 | 72.370 | 17.995 |
| 164.954 | 28935.490 | 33405.129 | 21.087 |
| 22715.488 | 34.560 | 1.015 | 14.790 |
| 10/19/2016 10:35:00 PM | 606900.000 | 72.375 | 17.995 |
| 164.965 | 28950.590 | 33422.617 | 21.099 |
| 22727.383 | 34.542 | 1.015 | 14.789 |
| 10/19/2016 10:40:00 PM | 607200.000 | 72.374 | 17.994 |

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|---|---|---|---|
| 164.962 | 28961.275 | 33435.273 | 21.108 |
| 22735.986 | 34.529 | 1.015 | 14.787 |
| 10/19/2016 10:45:00 PM | 607500.000 | 72.369 | 17.994 |
| 164.951 | 28947.979 | 33419.801 | 21.097 |
| 22725.465 | 34.545 | 1.015 | 14.786 |
| 10/19/2016 10:50:00 PM | 607800.000 | 72.366 | 17.994 |
| 164.945 | 28955.410 | 33428.379 | 21.103 |
| 22731.301 | 34.536 | 1.015 | 14.789 |
| 10/19/2016 10:55:00 PM | 608100.000 | 72.369 | 17.994 |
| 164.951 | 28952.857 | 33425.629 | 21.101 |
| 22729.430 | 34.539 | 1.015 | 14.791 |
| 10/19/2016 11:00:00 PM | 608400.000 | 72.367 | 17.995 |
| 164.946 | 28956.883 | 33429.883 | 21.104 |
| 22732.320 | 34.534 | 1.015 | 14.794 |
| 10/19/2016 11:05:00 PM | 608700.000 | 72.370 | 17.994 |
| 164.954 | 28941.807 | 33412.992 | 21.092 |
| 22720.834 | 34.552 | 1.015 | 14.794 |
| 10/19/2016 11:10:00 PM | 609000.000 | 72.371 | 17.994 |
| 164.957 | 28946.254 | 33417.746 | 21.096 |
| 22724.070 | 34.547 | 1.015 | 14.793 |
| 10/19/2016 11:15:00 PM | 609300.000 | 72.368 | 17.994 |
| 164.949 | 28944.477 | 33415.758 | 21.094 |
| 22722.715 | 34.549 | 1.015 | 14.793 |
| 10/19/2016 11:20:00 PM | 609600.000 | 72.356 | 17.995 |
| 164.921 | 28947.707 | 33419.098 | 21.097 |
| 22724.986 | 34.545 | 1.015 | 14.792 |
| 10/19/2016 11:25:00 PM | 609900.000 | 72.371 | 17.994 |
| 164.956 | 28942.689 | 33413.949 | 21.093 |
| 22721.486 | 34.551 | 1.015 | 14.792 |
| 10/19/2016 11:30:00 PM | 610200.000 | 72.379 | 17.995 |
| 164.974 | 28936.992 | 33406.863 | 21.088 |
| 22716.670 | 34.558 | 1.015 | 14.792 |
| 10/19/2016 11:35:00 PM | 610500.000 | 72.377 | 17.994 |
| 164.970 | 28948.285 | 33420.410 | 21.097 |
| 22725.879 | 34.544 | 1.015 | 14.791 |
| 10/19/2016 11:40:00 PM | 610800.000 | 72.377 | 17.995 |
| 164.970 | 28944.324 | 33415.383 | 21.094 |
| 22722.461 | 34.549 | 1.015 | 14.790 |
| 10/19/2016 11:45:00 PM | 611100.000 | 72.377 | 17.995 |
| 164.969 | 28942.754 | 33413.316 | 21.093 |
| 22721.057 | 34.551 | 1.015 | 14.790 |
| 10/19/2016 11:50:00 PM | 611400.000 | 72.379 | 17.994 |
| 164.974 | 28951.846 | 33424.461 | 21.100 |
| 22728.635 | 34.540 | 1.015 | 14.791 |
| 10/19/2016 11:55:00 PM | 611700.000 | 72.382 | 17.994 |
| 164.981 | 28943.547 | 33414.621 | 21.093 |
| 22721.945 | 34.550 | 1.015 | 14.792 |

Report Date: 10/21/2016 8:25:26 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-4S LT Test_2016-10-20_19-42-16-307-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-4S
Device Name:
Serial Number: 399147
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 21

Log Configuration
Log Name: MPWSP MW-4S LT Test
Created By: KMakar
Computer Name: PROBOOK10
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 10/1/2015 3:02:54 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 10/1/2015 3:05:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 05 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.012

Other Log Settings
Depth of Probe: 60.5924 (ft)
Head Pressure: 26.5837 (PSI)
Temperature: 17.6319 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

Log Notes:

| Date and Time | Note |
|---|---|
| 10/1/2015 3:03:23 PM | Used Battery: 21% Used Memory: 3% User Name: KMakar |
| 10/8/2015 5:22:57 PM | Log Download - Used Battery: 22% Used Memory: 4% User Name: CShaw Interval - Start Time: 10/1/2015 3:05:00 PM Stop Time: 10/8/2015 6:20:00 PM |
| 10/15/2015 1:59:55 PM | Log Download - Used Battery: 23% Used Memory: 7% User Name: KMakar |
| 10/22/2015 5:47:00 PM | Log Download - Used Battery: 24% Used Memory: 9% User Name: CShaw |
| 10/29/2015 4:03:27 PM | Log Download - Used Battery: 24% Used Memory: 12% User Name: KMakar Interval - Start Time: 10/13/2015 6:15:00 AM Stop Time: 10/29/2015 4:05:00 PM |
| 11/5/2015 3:02:35 PM | Log Download - Used Battery: 25% Used Memory: 14% User Name: KMakar Interval - Start Time: 10/20/2015 7:00:00 AM Stop Time: 11/5/2015 3:00:00 PM |
| 11/12/2015 5:59:32 PM | Log Download - Used Battery: 26% Used Memory: 17% User Name: KMakar Interval - Start Time: 10/20/2015 7:00:00 AM Stop Time: 11/12/2015 6:00:00 PM |
| 11/19/2015 3:59:34 PM | Log Download - Used Battery: 27% Used Memory: 20% User Name: KMakar Interval - Start Time: 11/1/2015 7:00:00 AM Stop Time: 11/19/2015 4:00:00 PM |
| 11/29/2015 10:36:51 AM | Log Download - Used Battery: 28% Used Memory: 23% User Name: CShaw Interval - Start Time: 11/13/2015 1:00:00 AM Stop Time: 11/29/2015 10:30:00 AM |
| 12/3/2015 11:43:48 AM | Log Download - Used Battery: 28% Used Memory: 25% User Name: KMakar Interval - Start Time: 11/18/2015 7:00:00 AM Stop Time: 12/3/2015 11:45:00 AM |
| 12/10/2015 4:22:36 PM | Log Download - Used Battery: 29% Used Memory: 26% User Name: CShaw Interval - Start Time: 10/13/2015 1:00:00 AM Stop Time: 12/10/2015 4:20:00 PM |
| 12/17/2015 1:23:10 PM | Log Download - Used Battery: 29% Used Memory: 29% User Name: KMakar Interval - Start Time: 12/1/2015 12:00:00 PM Stop Time: 12/17/2015 1:30:00 PM |
| 1/3/2016 2:47:58 PM | Log Download - Used Battery: 31% Used Memory: 35% User Name: CShaw Interval - Start Time: 11/30/2015 1:00:00 AM Stop Time: 1/3/2016 3:45:00 PM |
| 1/7/2016 11:09:53 AM | Log Download - Used Battery: 32% Used Memory: 35% User Name: KMakar Interval - Start Time: 12/31/2015 10:00:00 AM Stop Time: 1/7/2016 11:10:00 AM |
| 1/14/2016 9:55:27 AM | Log Download - Used Battery: 32% Used Memory: 39% User Name: KMakar Interval - Start Time: 1/4/2016 10:00:00 AM Stop Time: 1/14/2016 9:55:00 AM |
| 1/21/2016 1:03:06 PM | Log Download - Used Battery: 33% Used Memory: 42% User Name: KMakar Interval - Start Time: 1/12/2016 11:00:00 AM Stop Time: 1/21/2016 1:00:00 PM |
| 1/28/2016 2:41:57 PM | Log Download - Used Battery: 34% Used Memory: 43% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 2:40:00 PM |
| 2/4/2016 4:06:14 PM | Log Download - Used Battery: 35% Used Memory: 46% User Name: CShaw Interval - Start Time: 12/31/2015 1:00:00 AM Stop Time: 2/4/2016 4:05:00 PM |
| 2/11/2016 8:32:57 AM | Log Download - Used Battery: 35% Used Memory: 48% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 9:30:00 AM |
| 2/18/2016 12:44:45 PM | Log Download - Used Battery: 36% Used Memory: 51% User Name: CShaw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 12:45:00 PM |
| 2/25/2016 12:45:48 PM | Log Download - Used Battery: 37% Used Memory: 53% User Name: KMakar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 12:45:00 PM |
| 3/3/2016 1:35:20 PM | Log Download - Used Battery: 38% Used Memory: 56% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 2:35:00 PM |
| 3/10/2016 3:27:14 PM | Log Download - Used Battery: 38% Used Memory: 59% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 3:30:00 PM |
| 3/17/2016 8:09:04 AM | Log Download - Used Battery: 39% Used Memory: 60% User Name: SKuiper Interval - Start Time: 2/3/2016 12:00:01 AM Stop Time: 3/17/2016 9:05:00 AM |
| 3/17/2016 8:09:49 AM | Log Download - Used Battery: 39% Used Memory: 60% User Name: SKuiper Interval - Start Time: 2/29/2016 12:00:01 AM Stop Time: 3/17/2016 8:05:00 AM |
| 3/17/2016 9:31:43 AM | Log Download - Used Battery: 39% Used Memory: 60% User Name: SKuiper Interval - Start Time: 3/17/2016 12:00:01 AM Stop Time: 3/17/2016 9:05:00 AM |
| 3/17/2016 9:32:07 AM | Log Download - Used Battery: 39% Used Memory: 60% User Name: SKuiper Interval - Start |

Time: 3/17/2016 12:00:01 AM Stop Time: 3/17/2016 10:05:00 AM
3/18/2016 8:59:06 AM Log Download - Used Battery: 39% Used Memory: 60% User Name: SKuiper Interval - Start Time: 3/8/2016 9:00:00 AM Stop Time: 3/18/2016 9:55:00 AM
3/24/2016 1:28:49 PM Log Download - Used Battery: 40% Used Memory: 64% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 1:30:00 PM
3/31/2016 5:56:35 PM Log Download - Used Battery: 41% Used Memory: 65% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 6:50:00 PM
4/7/2016 2:43:46 PM Log Download - Used Battery: 41% Used Memory: 68% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 2:45:00 PM
4/14/2016 4:44:14 PM Log Download - Used Battery: 42% Used Memory: 70% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 5:40:00 PM
4/21/2016 2:37:50 PM Log Download - Used Battery: 43% Used Memory: 73% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 3:35:00 PM
4/21/2016 6:58:29 PM Log Download - Used Battery: 43% Used Memory: 73% User Name: ELinden Interval - Start Time: 4/20/2016 6:00:00 PM Stop Time: 4/21/2016 6:55:00 PM
4/22/2016 11:00:16 AM Log Download - Used Battery: 43% Used Memory: 73% User Name: SKuiper Interval - Start Time: 4/12/2016 6:00:00 PM Stop Time: 4/22/2016 10:55:00 AM
4/28/2016 11:51:27 AM Log Download - Used Battery: 44% Used Memory: 76% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 11:50:00 AM
5/5/2016 1:32:53 PM Log Download - Used Battery: 44% Used Memory: 78% User Name: SKuiper Interval - Start Time: 3/31/2016 6:00:00 PM Stop Time: 5/5/2016 2:25:00 PM
5/12/2016 4:41:57 PM Log Download - Used Battery: 45% Used Memory: 81% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 5:35:00 PM
5/19/2016 5:29:31 PM Log Download - Used Battery: 46% Used Memory: 82% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 6:25:00 PM
5/26/2016 2:49:19 PM Log Download - Used Battery: 47% Used Memory: 85% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 2:45:00 PM
6/2/2016 5:07:15 PM Log Download - Used Battery: 47% Used Memory: 87% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 5:05:00 PM
6/9/2016 1:54:08 PM Log Download - Used Battery: 48% Used Memory: 90% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 2:50:00 PM
6/16/2016 6:12:43 PM Log Download - Used Battery: 49% Used Memory: 93% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 7:05:00 PM
6/23/2016 6:18:51 PM Log Download - Used Battery: 50% Used Memory: 95% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 7:10:00 PM
7/1/2016 3:07:55 PM Log Download - Used Battery: 50% Used Memory: 98% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 3:05:00 PM
7/8/2016 1:09:21 PM Log Download - Used Battery: 51% Used Memory: 100% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 1:05:00 PM
7/14/2016 2:54:01 PM Log Download - Used Battery: 52% Used Memory: 100% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 3:50:00 PM
7/21/2016 7:22:33 PM Log Download - Used Battery: 53% Used Memory: 100% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 7:15:00 PM
7/22/2016 10:14:49 AM Log Download - Used Battery: 53% Used Memory: 100% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/22/2016 10:00:00 AM
7/28/2016 9:05:25 PM Log Download - Used Battery: 53% Used Memory: 100% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 9:05:00 PM
8/4/2016 7:39:00 PM Log Download - Used Battery: 54% Used Memory: 100% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 7:35:00 PM
8/11/2016 5:02:24 PM Log Download - Used Battery: 55% Used Memory: 100% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 6:00:00 PM
8/18/2016 11:46:56 AM Log Download - Used Battery: 55% Used Memory: 100% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 11:45:00 AM
8/25/2016 9:18:55 PM Log Download - Used Battery: 56% Used Memory: 100% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 10:15:00 PM
9/1/2016 5:07:06 PM Log Download - Used Battery: 57% Used Memory: 100% User Name: skuiper Interval - Start

Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 5:55:00 PM
9/8/2016 12:06:20 PM Log Download - Used Battery: 58% Used Memory: 100% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 12:55:00 PM
9/15/2016 5:24:39 PM Log Download - Used Battery: 58% Used Memory: 100% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 6:20:00 PM
9/22/2016 2:24:00 PM Log Download - Used Battery: 59% Used Memory: 100% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 3:20:00 PM
10/1/2016 1:50:34 PM Log Download - Used Battery: 60% Used Memory: 100% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 2:50:00 PM
10/6/2016 5:17:54 PM Log Download - Used Battery: 61% Used Memory: 100% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/6/2016 5:10:00 PM
10/13/2016 7:45:37 PM Log Download - Used Battery: 61% Used Memory: 100% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 7:30:00 PM
10/20/2016 7:40:36 PM Log Download - Used Battery: 62% Used Memory: 100% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 7:30:00 PM
10/21/2016 8:23:58 AM User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl""

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Log Data:
Record Count: 2274
Sensors: 2
1 - 399147: PCTD 30 PSIA (10.9m/35.8ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

| | Sensor: PCTD(A) 35.8ft SN#: 399147 | Sensor: PCTD(A) 35.8ft SN#: 399147 | Sensor: PCTD(A) 35.8ft SN#: 399147 | Sensor: PCTD(A) 35.8ft SN#: 399147 | Sensor: PCTD(A) 35.8ft SN#: 399147 | Sensor: PCTD(A) 35.8ft SN#: 399147 | Sensor: PCTD(A) 35.8ft SN#: 399147 | Sensor: PCTD(A) 35.8ft SN#: 399147 | Sensor: Baro-Adj Calc SN#: 000000 |
|---|---|---|---|---|---|---|---|---|---|
| Date and Time | Elapsed Time Seconds | Corrected Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppm) | Resistivity (ohm-cm) | Water Density (g/cm3) | Barometric Pressure (PSI) |
| 10/13/2016 12:00:00 AM | 7200.000 | 11.977 | 17.694 | 27.299 | 6217.082 | 7225.331 | 4.014 | 4913.225 | 160.847 | 1.002 | 14.771 |
| 10/13/2016 12:05:00 AM | 7500.000 | 11.976 | 17.694 | 27.298 | 6218.338 | 7226.778 | 4.015 | 4914.209 | 160.815 | 1.002 | 14.771 |
| 10/13/2016 12:10:00 AM | 7800.000 | 11.983 | 17.694 | 27.312 | 6220.771 | 7229.646 | 4.017 | 4916.160 | 160.752 | 1.002 | 14.771 |
| 10/13/2016 12:15:00 AM | 8100.000 | 11.983 | 17.694 | 27.314 | 6223.130 | 7232.377 | 4.019 | 4918.017 | 160.691 | 1.002 | 14.771 |

| | | | |
|---|---|---|---|
| 10/13/2016 12:20:00 AM | 8400.000 | 11.984 | 17.694 |
| 27.315 | 6227.507 | 7237.420 | 4.022 |
| 4921.446 | 160.578 | 1.002 | 14.772 |
| 10/13/2016 12:25:00 AM | 8700.000 | 11.978 | 17.694 |
| 27.303 | 6229.317 | 7239.498 | 4.023 |
| 4922.859 | 160.531 | 1.002 | 14.772 |
| 10/13/2016 12:30:00 AM | 9000.000 | 11.978 | 17.694 |
| 27.301 | 6233.612 | 7244.516 | 4.026 |
| 4926.271 | 160.421 | 1.002 | 14.773 |
| 10/13/2016 12:35:00 AM | 9300.000 | 11.982 | 17.694 |
| 27.311 | 6235.594 | 7246.846 | 4.027 |
| 4927.855 | 160.370 | 1.002 | 14.774 |
| 10/13/2016 12:40:00 AM | 9600.000 | 11.983 | 17.695 |
| 27.313 | 6237.947 | 7249.485 | 4.029 |
| 4929.650 | 160.309 | 1.002 | 14.774 |
| 10/13/2016 12:45:00 AM | 9900.000 | 11.985 | 17.694 |
| 27.317 | 6240.661 | 7252.734 | 4.031 |
| 4931.859 | 160.239 | 1.002 | 14.775 |
| 10/13/2016 12:50:00 AM | 10200.000 | 11.984 | 17.694 |
| 27.315 | 6241.600 | 7253.756 | 4.031 |
| 4932.554 | 160.215 | 1.002 | 14.776 |
| 10/13/2016 12:55:00 AM | 10500.000 | 11.983 | 17.694 |
| 27.313 | 6244.207 | 7256.787 | 4.033 |
| 4934.615 | 160.148 | 1.002 | 14.777 |
| 10/13/2016 1:00:00 AM | 10800.000 | 11.979 | 17.694 |
| 27.305 | 6245.861 | 7258.709 | 4.034 |
| 4935.923 | 160.106 | 1.002 | 14.777 |
| 10/13/2016 1:05:00 AM | 11100.000 | 11.983 | 17.695 |
| 27.313 | 6248.924 | 7262.226 | 4.036 |
| 4938.313 | 160.028 | 1.002 | 14.779 |
| 10/13/2016 1:10:00 AM | 11400.000 | 11.979 | 17.695 |
| 27.303 | 6250.393 | 7263.948 | 4.037 |
| 4939.485 | 159.990 | 1.002 | 14.780 |
| 10/13/2016 1:15:00 AM | 11700.000 | 11.982 | 17.694 |
| 27.310 | 6251.885 | 7265.795 | 4.038 |
| 4940.741 | 159.952 | 1.002 | 14.782 |
| 10/13/2016 1:20:00 AM | 12000.000 | 11.979 | 17.694 |
| 27.304 | 6253.839 | 7268.008 | 4.040 |
| 4942.246 | 159.902 | 1.002 | 14.779 |
| 10/13/2016 1:25:00 AM | 12300.000 | 11.986 | 17.694 |
| 27.321 | 6256.458 | 7271.163 | 4.042 |
| 4944.391 | 159.835 | 1.002 | 14.775 |
| 10/13/2016 1:30:00 AM | 12600.000 | 11.984 | 17.694 |
| 27.314 | 6256.322 | 7270.866 | 4.041 |
| 4944.189 | 159.838 | 1.002 | 14.772 |
| 10/13/2016 1:35:00 AM | 12900.000 | 11.983 | 17.694 |
| 27.312 | 6258.059 | 7272.970 | 4.043 |
| 4945.620 | 159.794 | 1.002 | 14.772 |
| 10/13/2016 1:40:00 AM | 13200.000 | 11.987 | 17.694 |
| 27.323 | 6260.205 | 7275.477 | 4.044 |
| 4947.324 | 159.739 | 1.002 | 14.771 |
| 10/13/2016 1:45:00 AM | 13500.000 | 11.985 | 17.694 |
| 27.317 | 6261.936 | 7277.460 | 4.045 |
| 4948.673 | 159.695 | 1.002 | 14.770 |
| 10/13/2016 1:50:00 AM | 13800.000 | 11.989 | 17.694 |
| 27.326 | 6263.754 | 7279.559 | 4.047 |

| | | | |
|---|---|---|---|
| 4950.101 | 159.649 | 1.002 | 14.771 |
| 10/13/2016 1:55:00 AM | 14100.000 | 11.987 | 17.694 |
| 27.321 | 6263.510 | 7279.248 | 4.046 |
| 4949.888 | 159.655 | 1.002 | 14.773 |
| 10/13/2016 2:00:00 AM | 14400.000 | 11.982 | 17.694 |
| 27.311 | 6265.885 | 7282.065 | 4.048 |
| 4951.805 | 159.594 | 1.002 | 14.774 |
| 10/13/2016 2:05:00 AM | 14700.000 | 11.989 | 17.694 |
| 27.326 | 6266.123 | 7282.299 | 4.048 |
| 4951.963 | 159.588 | 1.002 | 14.774 |
| 10/13/2016 2:10:00 AM | 15000.000 | 11.984 | 17.694 |
| 27.316 | 6268.025 | 7284.564 | 4.050 |
| 4953.504 | 159.540 | 1.002 | 14.774 |
| 10/13/2016 2:15:00 AM | 15300.000 | 11.989 | 17.695 |
| 27.327 | 6270.371 | 7287.178 | 4.051 |
| 4955.281 | 159.480 | 1.002 | 14.774 |
| 10/13/2016 2:20:00 AM | 15600.000 | 11.989 | 17.694 |
| 27.326 | 6270.938 | 7287.853 | 4.052 |
| 4955.740 | 159.466 | 1.002 | 14.774 |
| 10/13/2016 2:25:00 AM | 15900.000 | 11.985 | 17.694 |
| 27.318 | 6271.881 | 7288.949 | 4.052 |
| 4956.486 | 159.442 | 1.002 | 14.773 |
| 10/13/2016 2:30:00 AM | 16200.000 | 11.987 | 17.694 |
| 27.323 | 6272.326 | 7289.563 | 4.053 |
| 4956.902 | 159.430 | 1.002 | 14.772 |
| 10/13/2016 2:35:00 AM | 16500.000 | 11.992 | 17.694 |
| 27.333 | 6272.834 | 7290.056 | 4.053 |
| 4957.239 | 159.418 | 1.002 | 14.773 |
| 10/13/2016 2:40:00 AM | 16800.000 | 11.991 | 17.694 |
| 27.332 | 6274.495 | 7292.042 | 4.054 |
| 4958.588 | 159.375 | 1.002 | 14.773 |
| 10/13/2016 2:45:00 AM | 17100.000 | 11.990 | 17.694 |
| 27.329 | 6274.590 | 7292.139 | 4.054 |
| 4958.654 | 159.373 | 1.002 | 14.773 |
| 10/13/2016 2:50:00 AM | 17400.000 | 11.986 | 17.694 |
| 27.319 | 6276.930 | 7294.843 | 4.056 |
| 4960.494 | 159.314 | 1.002 | 14.775 |
| 10/13/2016 2:55:00 AM | 17700.000 | 11.983 | 17.695 |
| 27.314 | 6277.976 | 7296.017 | 4.056 |
| 4961.292 | 159.287 | 1.002 | 14.776 |
| 10/13/2016 3:00:00 AM | 18000.000 | 11.983 | 17.694 |
| 27.312 | 6277.529 | 7295.513 | 4.056 |
| 4960.949 | 159.298 | 1.002 | 14.778 |
| 10/13/2016 3:05:00 AM | 18300.000 | 11.989 | 17.694 |
| 27.328 | 6279.716 | 7298.082 | 4.058 |
| 4962.696 | 159.243 | 1.002 | 14.775 |
| 10/13/2016 3:10:00 AM | 18600.000 | 11.991 | 17.694 |
| 27.332 | 6279.154 | 7297.417 | 4.057 |
| 4962.244 | 159.257 | 1.002 | 14.772 |
| 10/13/2016 3:15:00 AM | 18900.000 | 11.988 | 17.694 |
| 27.324 | 6280.225 | 7298.714 | 4.058 |
| 4963.126 | 159.230 | 1.002 | 14.769 |
| 10/13/2016 3:20:00 AM | 19200.000 | 11.995 | 17.694 |
| 27.341 | 6281.059 | 7299.642 | 4.059 |
| 4963.757 | 159.209 | 1.002 | 14.768 |
| 10/13/2016 3:25:00 AM | 19500.000 | 11.996 | 17.694 |

| | | | |
|---|---|---|---|
| 27.343 | 6282.346 | 7301.196 | 4.059 |
| 4964.813 | 159.176 | 1.002 | 14.766 |
| 10/13/2016 3:30:00 AM | 19800.000 | 11.998 | 17.695 |
| 27.346 | 6282.399 | 7301.157 | 4.059 |
| 4964.788 | 159.175 | 1.002 | 14.764 |
| 10/13/2016 3:35:00 AM | 20100.000 | 11.990 | 17.694 |
| 27.330 | 6283.809 | 7302.852 | 4.060 |
| 4965.939 | 159.139 | 1.002 | 14.764 |
| 10/13/2016 3:40:00 AM | 20400.000 | 11.995 | 17.695 |
| 27.340 | 6283.969 | 7302.981 | 4.061 |
| 4966.028 | 159.135 | 1.002 | 14.764 |
| 10/13/2016 3:45:00 AM | 20700.000 | 11.995 | 17.694 |
| 27.340 | 6284.027 | 7303.120 | 4.061 |
| 4966.122 | 159.134 | 1.002 | 14.763 |
| 10/13/2016 3:50:00 AM | 21000.000 | 11.997 | 17.695 |
| 27.344 | 6284.306 | 7303.360 | 4.061 |
| 4966.285 | 159.127 | 1.002 | 14.762 |
| 10/13/2016 3:55:00 AM | 21300.000 | 11.994 | 17.694 |
| 27.338 | 6285.730 | 7305.043 | 4.062 |
| 4967.430 | 159.091 | 1.002 | 14.762 |
| 10/13/2016 4:00:00 AM | 21600.000 | 11.994 | 17.694 |
| 27.337 | 6286.850 | 7306.430 | 4.063 |
| 4968.373 | 159.062 | 1.002 | 14.761 |
| 10/13/2016 4:05:00 AM | 21900.000 | 11.993 | 17.694 |
| 27.336 | 6286.553 | 7306.042 | 4.062 |
| 4968.109 | 159.070 | 1.002 | 14.761 |
| 10/13/2016 4:10:00 AM | 22200.000 | 11.996 | 17.695 |
| 27.343 | 6287.402 | 7306.972 | 4.063 |
| 4968.741 | 159.048 | 1.002 | 14.762 |
| 10/13/2016 4:15:00 AM | 22500.000 | 11.992 | 17.694 |
| 27.333 | 6286.720 | 7306.279 | 4.062 |
| 4968.271 | 159.065 | 1.002 | 14.763 |
| 10/13/2016 4:20:00 AM | 22800.000 | 11.993 | 17.694 |
| 27.335 | 6287.364 | 7306.969 | 4.063 |
| 4968.740 | 159.049 | 1.002 | 14.762 |
| 10/13/2016 4:25:00 AM | 23100.000 | 11.999 | 17.694 |
| 27.350 | 6288.029 | 7307.771 | 4.063 |
| 4969.285 | 159.032 | 1.002 | 14.760 |
| 10/13/2016 4:30:00 AM | 23400.000 | 12.001 | 17.694 |
| 27.355 | 6289.456 | 7309.471 | 4.064 |
| 4970.441 | 158.996 | 1.002 | 14.759 |
| 10/13/2016 4:35:00 AM | 23700.000 | 12.002 | 17.694 |
| 27.356 | 6289.118 | 7309.023 | 4.064 |
| 4970.136 | 159.005 | 1.002 | 14.758 |
| 10/13/2016 4:40:00 AM | 24000.000 | 11.997 | 17.694 |
| 27.345 | 6288.612 | 7308.408 | 4.064 |
| 4969.717 | 159.018 | 1.002 | 14.758 |
| 10/13/2016 4:45:00 AM | 24300.000 | 11.995 | 17.695 |
| 27.340 | 6288.047 | 7307.692 | 4.063 |
| 4969.231 | 159.032 | 1.002 | 14.757 |
| 10/13/2016 4:50:00 AM | 24600.000 | 11.995 | 17.695 |
| 27.341 | 6286.929 | 7306.410 | 4.063 |
| 4968.358 | 159.060 | 1.002 | 14.757 |
| 10/13/2016 4:55:00 AM | 24900.000 | 12.001 | 17.695 |
| 27.354 | 6282.553 | 7301.294 | 4.060 |
| 4964.880 | 159.171 | 1.002 | 14.757 |

| | | | |
|---|---|---|---|
| 10/13/2016 5:00:00 AM | 25200.000 | 11.995 | 17.695 |
| 27.341 | 6276.684 | 7294.474 | 4.055 |
| 4960.242 | 159.320 | 1.002 | 14.757 |
| 10/13/2016 5:05:00 AM | 25500.000 | 11.994 | 17.694 |
| 27.337 | 6268.759 | 7285.320 | 4.050 |
| 4954.018 | 159.521 | 1.002 | 14.758 |
| 10/13/2016 5:10:00 AM | 25800.000 | 11.997 | 17.695 |
| 27.345 | 6259.966 | 7275.074 | 4.044 |
| 4947.051 | 159.745 | 1.002 | 14.759 |
| 10/13/2016 5:15:00 AM | 26100.000 | 11.995 | 17.695 |
| 27.340 | 6251.647 | 7265.406 | 4.038 |
| 4940.477 | 159.958 | 1.002 | 14.761 |
| 10/13/2016 5:20:00 AM | 26400.000 | 11.992 | 17.694 |
| 27.335 | 6244.799 | 7257.475 | 4.033 |
| 4935.083 | 160.133 | 1.002 | 14.760 |
| 10/13/2016 5:25:00 AM | 26700.000 | 11.992 | 17.695 |
| 27.333 | 6237.497 | 7248.890 | 4.028 |
| 4929.246 | 160.321 | 1.002 | 14.760 |
| 10/13/2016 5:30:00 AM | 27000.000 | 11.993 | 17.695 |
| 27.336 | 6231.846 | 7242.378 | 4.024 |
| 4924.817 | 160.466 | 1.002 | 14.759 |
| 10/13/2016 5:35:00 AM | 27300.000 | 11.998 | 17.695 |
| 27.348 | 6226.401 | 7236.051 | 4.021 |
| 4920.515 | 160.606 | 1.002 | 14.758 |
| 10/13/2016 5:40:00 AM | 27600.000 | 12.001 | 17.695 |
| 27.355 | 6220.445 | 7229.061 | 4.017 |
| 4915.761 | 160.760 | 1.002 | 14.756 |
| 10/13/2016 5:45:00 AM | 27900.000 | 11.998 | 17.695 |
| 27.347 | 6214.034 | 7221.609 | 4.012 |
| 4910.695 | 160.926 | 1.002 | 14.755 |
| 10/13/2016 5:50:00 AM | 28200.000 | 12.000 | 17.695 |
| 27.353 | 6209.252 | 7216.037 | 4.009 |
| 4906.906 | 161.050 | 1.002 | 14.756 |
| 10/13/2016 5:55:00 AM | 28500.000 | 12.000 | 17.695 |
| 27.352 | 6204.384 | 7210.450 | 4.006 |
| 4903.106 | 161.176 | 1.002 | 14.757 |
| 10/13/2016 6:00:00 AM | 28800.000 | 11.999 | 17.695 |
| 27.350 | 6199.471 | 7204.643 | 4.002 |
| 4899.158 | 161.304 | 1.002 | 14.758 |
| 10/13/2016 6:05:00 AM | 29100.000 | 11.995 | 17.695 |
| 27.341 | 6194.997 | 7199.443 | 3.999 |
| 4895.622 | 161.421 | 1.002 | 14.758 |
| 10/13/2016 6:10:00 AM | 29400.000 | 12.000 | 17.695 |
| 27.351 | 6190.665 | 7194.548 | 3.996 |
| 4892.292 | 161.534 | 1.002 | 14.758 |
| 10/13/2016 6:15:00 AM | 29700.000 | 11.997 | 17.695 |
| 27.345 | 6185.995 | 7189.121 | 3.993 |
| 4888.602 | 161.655 | 1.002 | 14.758 |
| 10/13/2016 6:20:00 AM | 30000.000 | 12.000 | 17.695 |
| 27.351 | 6181.221 | 7183.531 | 3.990 |
| 4884.801 | 161.780 | 1.002 | 14.759 |
| 10/13/2016 6:25:00 AM | 30300.000 | 11.999 | 17.695 |
| 27.350 | 6177.078 | 7178.745 | 3.987 |
| 4881.546 | 161.889 | 1.002 | 14.759 |
| 10/13/2016 6:30:00 AM | 30600.000 | 11.999 | 17.695 |
| 27.350 | 6171.961 | 7172.728 | 3.983 |

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|---|---|---|---|
| 4877.455 | 162.023 | 1.002 | 14.760 |
| 10/13/2016 6:35:00 AM | 30900.000 | 11.997 | 17.695 |
| 27.346 | 6169.312 | 7169.704 | 3.981 |
| 4875.398 | 162.093 | 1.002 | 14.758 |
| 10/13/2016 6:40:00 AM | 31200.000 | 11.993 | 17.695 |
| 27.336 | 6164.556 | 7164.109 | 3.978 |
| 4871.594 | 162.218 | 1.002 | 14.756 |
| 10/13/2016 6:45:00 AM | 31500.000 | 11.996 | 17.695 |
| 27.342 | 6160.922 | 7159.898 | 3.975 |
| 4868.731 | 162.313 | 1.002 | 14.755 |
| 10/13/2016 6:50:00 AM | 31800.000 | 11.999 | 17.695 |
| 27.350 | 6155.809 | 7153.929 | 3.972 |
| 4864.672 | 162.448 | 1.002 | 14.754 |
| 10/13/2016 6:55:00 AM | 32100.000 | 12.001 | 17.696 |
| 27.355 | 6152.590 | 7150.091 | 3.970 |
| 4862.063 | 162.533 | 1.002 | 14.754 |
| 10/13/2016 7:00:00 AM | 32400.000 | 11.994 | 17.694 |
| 27.339 | 6149.759 | 7147.023 | 3.968 |
| 4859.976 | 162.608 | 1.002 | 14.754 |
| 10/13/2016 7:05:00 AM | 32700.000 | 11.997 | 17.695 |
| 27.345 | 6145.964 | 7142.530 | 3.965 |
| 4856.921 | 162.708 | 1.002 | 14.753 |
| 10/13/2016 7:10:00 AM | 33000.000 | 11.994 | 17.695 |
| 27.339 | 6141.818 | 7137.739 | 3.962 |
| 4853.663 | 162.818 | 1.002 | 14.753 |
| 10/13/2016 7:15:00 AM | 33300.000 | 11.995 | 17.695 |
| 27.340 | 6138.285 | 7133.552 | 3.960 |
| 4850.816 | 162.912 | 1.002 | 14.752 |
| 10/13/2016 7:20:00 AM | 33600.000 | 11.994 | 17.695 |
| 27.339 | 6134.383 | 7129.056 | 3.957 |
| 4847.758 | 163.016 | 1.002 | 14.753 |
| 10/13/2016 7:25:00 AM | 33900.000 | 11.996 | 17.695 |
| 27.342 | 6131.353 | 7125.549 | 3.955 |
| 4845.373 | 163.096 | 1.002 | 14.754 |
| 10/13/2016 7:30:00 AM | 34200.000 | 11.993 | 17.695 |
| 27.335 | 6127.882 | 7121.583 | 3.953 |
| 4842.677 | 163.189 | 1.002 | 14.754 |
| 10/13/2016 7:35:00 AM | 34500.000 | 11.995 | 17.695 |
| 27.341 | 6124.502 | 7117.561 | 3.950 |
| 4839.941 | 163.279 | 1.002 | 14.754 |
| 10/13/2016 7:40:00 AM | 34800.000 | 11.996 | 17.694 |
| 27.342 | 6122.813 | 7115.721 | 3.949 |
| 4838.691 | 163.324 | 1.002 | 14.754 |
| 10/13/2016 7:45:00 AM | 35100.000 | 11.995 | 17.695 |
| 27.339 | 6119.377 | 7111.618 | 3.947 |
| 4835.900 | 163.415 | 1.002 | 14.754 |
| 10/13/2016 7:50:00 AM | 35400.000 | 11.994 | 17.695 |
| 27.339 | 6117.042 | 7108.974 | 3.945 |
| 4834.103 | 163.478 | 1.002 | 14.753 |
| 10/13/2016 7:55:00 AM | 35700.000 | 11.994 | 17.695 |
| 27.338 | 6114.593 | 7106.111 | 3.944 |
| 4832.156 | 163.543 | 1.002 | 14.752 |
| 10/13/2016 8:00:00 AM | 36000.000 | 11.996 | 17.694 |
| 27.342 | 6112.720 | 7103.978 | 3.942 |
| 4830.705 | 163.593 | 1.002 | 14.751 |
| 10/13/2016 8:05:00 AM | 36300.000 | 11.990 | 17.695 |

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|---|---|---|---|
| 27.329 | 6109.266 | 7099.949 | 3.940 |
| 4827.966 | 163.686 | 1.002 | 14.752 |
| 10/13/2016 8:10:00 AM | 36600.000 | 11.991 | 17.695 |
| 27.331 | 6107.313 | 7097.680 | 3.939 |
| 4826.423 | 163.738 | 1.002 | 14.753 |
| 10/13/2016 8:15:00 AM | 36900.000 | 11.994 | 17.695 |
| 27.339 | 6104.634 | 7094.525 | 3.937 |
| 4824.277 | 163.810 | 1.002 | 14.754 |
| 10/13/2016 8:20:00 AM | 37200.000 | 11.994 | 17.695 |
| 27.337 | 6101.343 | 7090.632 | 3.934 |
| 4821.630 | 163.898 | 1.002 | 14.755 |
| 10/13/2016 8:25:00 AM | 37500.000 | 11.990 | 17.695 |
| 27.329 | 6101.792 | 7091.180 | 3.935 |
| 4822.003 | 163.886 | 1.002 | 14.756 |
| 10/13/2016 8:30:00 AM | 37800.000 | 11.994 | 17.695 |
| 27.337 | 6098.170 | 7086.917 | 3.932 |
| 4819.104 | 163.984 | 1.002 | 14.757 |
| 10/13/2016 8:35:00 AM | 38100.000 | 11.991 | 17.695 |
| 27.332 | 6098.085 | 7086.887 | 3.932 |
| 4819.083 | 163.986 | 1.002 | 14.758 |
| 10/13/2016 8:40:00 AM | 38400.000 | 11.992 | 17.695 |
| 27.334 | 6094.598 | 7082.902 | 3.930 |
| 4816.374 | 164.080 | 1.002 | 14.759 |
| 10/13/2016 8:45:00 AM | 38700.000 | 11.990 | 17.696 |
| 27.330 | 6093.396 | 7081.356 | 3.929 |
| 4815.322 | 164.112 | 1.002 | 14.759 |
| 10/13/2016 8:50:00 AM | 39000.000 | 11.989 | 17.695 |
| 27.326 | 6091.628 | 7079.356 | 3.928 |
| 4813.962 | 164.160 | 1.002 | 14.760 |
| 10/13/2016 8:55:00 AM | 39300.000 | 11.990 | 17.695 |
| 27.330 | 6090.901 | 7078.594 | 3.927 |
| 4813.445 | 164.179 | 1.002 | 14.760 |
| 10/13/2016 9:00:00 AM | 39600.000 | 11.993 | 17.695 |
| 27.336 | 6087.129 | 7074.086 | 3.925 |
| 4810.378 | 164.281 | 1.002 | 14.760 |
| 10/13/2016 9:05:00 AM | 39900.000 | 11.994 | 17.695 |
| 27.337 | 6087.154 | 7074.184 | 3.925 |
| 4810.445 | 164.280 | 1.002 | 14.761 |
| 10/13/2016 9:10:00 AM | 40200.000 | 11.988 | 17.695 |
| 27.324 | 6085.607 | 7072.441 | 3.924 |
| 4809.260 | 164.322 | 1.002 | 14.761 |
| 10/13/2016 9:15:00 AM | 40500.000 | 11.991 | 17.695 |
| 27.330 | 6082.955 | 7069.303 | 3.922 |
| 4807.126 | 164.394 | 1.002 | 14.761 |
| 10/13/2016 9:20:00 AM | 40800.000 | 11.993 | 17.694 |
| 27.335 | 6081.332 | 7067.499 | 3.921 |
| 4805.899 | 164.438 | 1.002 | 14.764 |
| 10/13/2016 9:25:00 AM | 41100.000 | 11.987 | 17.695 |
| 27.321 | 6080.960 | 7067.053 | 3.920 |
| 4805.596 | 164.448 | 1.002 | 14.768 |
| 10/13/2016 9:30:00 AM | 41400.000 | 11.986 | 17.695 |
| 27.321 | 6078.701 | 7064.333 | 3.919 |
| 4803.747 | 164.509 | 1.002 | 14.771 |
| 10/13/2016 9:35:00 AM | 41700.000 | 11.984 | 17.695 |
| 27.315 | 6077.305 | 7062.696 | 3.918 |
| 4802.634 | 164.547 | 1.002 | 14.768 |

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|---|---|---|---|
| 10/13/2016 9:40:00 AM | 42000.000 | 11.987 | 17.695 |
| 27.321 | 6075.858 | 7061.083 | 3.917 |
| 4801.537 | 164.586 | 1.002 | 14.765 |
| 10/13/2016 9:45:00 AM | 42300.000 | 11.989 | 17.695 |
| 27.328 | 6074.012 | 7058.925 | 3.916 |
| 4800.069 | 164.636 | 1.002 | 14.763 |
| 10/13/2016 9:50:00 AM | 42600.000 | 11.996 | 17.695 |
| 27.342 | 6073.262 | 7058.095 | 3.915 |
| 4799.505 | 164.656 | 1.002 | 14.767 |
| 10/13/2016 9:55:00 AM | 42900.000 | 11.990 | 17.695 |
| 27.328 | 6071.725 | 7056.226 | 3.914 |
| 4798.233 | 164.698 | 1.002 | 14.770 |
| 10/13/2016 10:00:00 AM | 43200.000 | 11.991 | 17.695 |
| 27.332 | 6069.864 | 7054.076 | 3.913 |
| 4796.771 | 164.748 | 1.002 | 14.774 |
| 10/13/2016 10:05:00 AM | 43500.000 | 11.985 | 17.695 |
| 27.318 | 6069.314 | 7053.479 | 3.912 |
| 4796.365 | 164.763 | 1.002 | 14.773 |
| 10/13/2016 10:10:00 AM | 43800.000 | 11.991 | 17.695 |
| 27.330 | 6068.003 | 7051.913 | 3.911 |
| 4795.301 | 164.799 | 1.002 | 14.771 |
| 10/13/2016 10:15:00 AM | 44100.000 | 11.990 | 17.695 |
| 27.330 | 6065.442 | 7048.898 | 3.910 |
| 4793.251 | 164.868 | 1.002 | 14.770 |
| 10/13/2016 10:20:00 AM | 44400.000 | 11.984 | 17.695 |
| 27.315 | 6064.739 | 7048.174 | 3.909 |
| 4792.758 | 164.888 | 1.002 | 14.770 |
| 10/13/2016 10:25:00 AM | 44700.000 | 11.986 | 17.695 |
| 27.321 | 6063.722 | 7046.951 | 3.908 |
| 4791.927 | 164.915 | 1.002 | 14.770 |
| 10/13/2016 10:30:00 AM | 45000.000 | 11.989 | 17.695 |
| 27.326 | 6062.561 | 7045.629 | 3.908 |
| 4791.028 | 164.947 | 1.002 | 14.770 |
| 10/13/2016 10:35:00 AM | 45300.000 | 11.988 | 17.695 |
| 27.323 | 6062.300 | 7045.286 | 3.907 |
| 4790.795 | 164.954 | 1.002 | 14.771 |
| 10/13/2016 10:40:00 AM | 45600.000 | 11.988 | 17.695 |
| 27.323 | 6060.381 | 7043.137 | 3.906 |
| 4789.334 | 165.006 | 1.002 | 14.772 |
| 10/13/2016 10:45:00 AM | 45900.000 | 11.985 | 17.695 |
| 27.317 | 6059.075 | 7041.551 | 3.905 |
| 4788.255 | 165.042 | 1.002 | 14.773 |
| 10/13/2016 10:50:00 AM | 46200.000 | 11.981 | 17.695 |
| 27.308 | 6058.045 | 7040.394 | 3.905 |
| 4787.468 | 165.070 | 1.002 | 14.773 |
| 10/13/2016 10:55:00 AM | 46500.000 | 11.983 | 17.695 |
| 27.313 | 6057.287 | 7039.500 | 3.904 |
| 4786.860 | 165.090 | 1.002 | 14.773 |
| 10/13/2016 11:00:00 AM | 46800.000 | 11.984 | 17.695 |
| 27.315 | 6055.379 | 7037.296 | 3.903 |
| 4785.362 | 165.142 | 1.002 | 14.773 |
| 10/13/2016 11:05:00 AM | 47100.000 | 11.983 | 17.695 |
| 27.313 | 6055.991 | 7037.981 | 3.903 |
| 4785.827 | 165.126 | 1.002 | 14.774 |
| 10/13/2016 11:10:00 AM | 47400.000 | 11.982 | 17.695 |
| 27.312 | 6054.027 | 7035.712 | 3.902 |

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| 4784.285 | 165.179 | 1.002 | 14.775 |
| 10/13/2016 11:15:00 AM | 47700.000 | 11.975 | 17.695 |
| 27.295 | 6053.593 | 7035.194 | 3.902 |
| 4783.932 | 165.191 | 1.002 | 14.776 |
| 10/13/2016 11:20:00 AM | 48000.000 | 11.982 | 17.695 |
| 27.311 | 6052.698 | 7034.180 | 3.901 |
| 4783.243 | 165.216 | 1.002 | 14.776 |
| 10/13/2016 11:25:00 AM | 48300.000 | 11.983 | 17.695 |
| 27.314 | 6051.934 | 7033.226 | 3.900 |
| 4782.594 | 165.236 | 1.002 | 14.776 |
| 10/13/2016 11:30:00 AM | 48600.000 | 11.977 | 17.695 |
| 27.300 | 6051.223 | 7032.440 | 3.900 |
| 4782.060 | 165.256 | 1.002 | 14.775 |
| 10/13/2016 11:35:00 AM | 48900.000 | 11.982 | 17.695 |
| 27.310 | 6050.245 | 7031.263 | 3.899 |
| 4781.259 | 165.283 | 1.002 | 14.774 |
| 10/13/2016 11:40:00 AM | 49200.000 | 11.979 | 17.695 |
| 27.303 | 6049.293 | 7030.238 | 3.899 |
| 4780.563 | 165.309 | 1.002 | 14.772 |
| 10/13/2016 11:45:00 AM | 49500.000 | 11.982 | 17.695 |
| 27.310 | 6048.756 | 7029.573 | 3.898 |
| 4780.110 | 165.323 | 1.002 | 14.770 |
| 10/13/2016 11:50:00 AM | 49800.000 | 11.987 | 17.694 |
| 27.322 | 6048.394 | 7029.247 | 3.898 |
| 4779.888 | 165.333 | 1.002 | 14.770 |
| 10/13/2016 11:55:00 AM | 50100.000 | 11.987 | 17.695 |
| 27.321 | 6047.548 | 7028.223 | 3.897 |
| 4779.191 | 165.356 | 1.002 | 14.770 |
| 10/13/2016 12:00:00 PM | 50400.000 | 11.981 | 17.694 |
| 27.308 | 6046.719 | 7027.273 | 3.897 |
| 4778.546 | 165.379 | 1.002 | 14.770 |
| 10/13/2016 12:05:00 PM | 50700.000 | 11.985 | 17.695 |
| 27.318 | 6046.181 | 7026.622 | 3.896 |
| 4778.104 | 165.394 | 1.002 | 14.770 |
| 10/13/2016 12:10:00 PM | 51000.000 | 11.980 | 17.694 |
| 27.307 | 6045.946 | 7026.375 | 3.896 |
| 4777.936 | 165.400 | 1.002 | 14.770 |
| 10/13/2016 12:15:00 PM | 51300.000 | 11.983 | 17.694 |
| 27.313 | 6045.386 | 7025.739 | 3.896 |
| 4777.502 | 165.415 | 1.002 | 14.770 |
| 10/13/2016 12:20:00 PM | 51600.000 | 11.979 | 17.694 |
| 27.304 | 6044.370 | 7024.543 | 3.895 |
| 4776.689 | 165.443 | 1.002 | 14.770 |
| 10/13/2016 12:25:00 PM | 51900.000 | 11.985 | 17.695 |
| 27.317 | 6043.946 | 7024.037 | 3.895 |
| 4776.345 | 165.455 | 1.002 | 14.770 |
| 10/13/2016 12:30:00 PM | 52200.000 | 11.979 | 17.695 |
| 27.304 | 6044.147 | 7024.162 | 3.895 |
| 4776.431 | 165.449 | 1.002 | 14.770 |
| 10/13/2016 12:35:00 PM | 52500.000 | 11.980 | 17.695 |
| 27.306 | 6043.147 | 7023.015 | 3.894 |
| 4775.650 | 165.477 | 1.002 | 14.768 |
| 10/13/2016 12:40:00 PM | 52800.000 | 11.985 | 17.694 |
| 27.317 | 6043.737 | 7023.823 | 3.895 |
| 4776.200 | 165.461 | 1.002 | 14.767 |
| 10/13/2016 12:45:00 PM | 53100.000 | 11.985 | 17.695 |

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| 27.317 | 6042.649 | 7022.461 | 3.894 |
| 4775.274 | 165.490 | 1.002 | 14.765 |
| 10/13/2016 12:50:00 PM | 53400.000 | 11.982 | 17.695 |
| 27.311 | 6042.162 | 7021.963 | 3.894 |
| 4774.935 | 165.504 | 1.002 | 14.766 |
| 10/13/2016 12:55:00 PM | 53700.000 | 11.981 | 17.695 |
| 27.309 | 6042.988 | 7022.896 | 3.894 |
| 4775.569 | 165.481 | 1.002 | 14.766 |
| 10/13/2016 1:00:00 PM | 54000.000 | 11.978 | 17.695 |
| 27.301 | 6041.146 | 7020.742 | 3.893 |
| 4774.104 | 165.532 | 1.002 | 14.766 |
| 10/13/2016 1:05:00 PM | 54300.000 | 11.980 | 17.695 |
| 27.306 | 6041.202 | 7020.780 | 3.893 |
| 4774.131 | 165.530 | 1.002 | 14.765 |
| 10/13/2016 1:10:00 PM | 54600.000 | 11.979 | 17.695 |
| 27.304 | 6040.438 | 7019.960 | 3.892 |
| 4773.573 | 165.551 | 1.002 | 14.764 |
| 10/13/2016 1:15:00 PM | 54900.000 | 11.974 | 17.695 |
| 27.292 | 6040.887 | 7020.470 | 3.893 |
| 4773.919 | 165.539 | 1.002 | 14.763 |
| 10/13/2016 1:20:00 PM | 55200.000 | 11.981 | 17.694 |
| 27.308 | 6040.203 | 7019.727 | 3.892 |
| 4773.415 | 165.557 | 1.002 | 14.759 |
| 10/13/2016 1:25:00 PM | 55500.000 | 11.982 | 17.694 |
| 27.310 | 6039.717 | 7019.136 | 3.892 |
| 4773.013 | 165.571 | 1.002 | 14.756 |
| 10/13/2016 1:30:00 PM | 55800.000 | 11.984 | 17.695 |
| 27.316 | 6039.188 | 7018.439 | 3.892 |
| 4772.539 | 165.585 | 1.002 | 14.753 |
| 10/13/2016 1:35:00 PM | 56100.000 | 11.978 | 17.695 |
| 27.303 | 6038.975 | 7018.231 | 3.891 |
| 4772.397 | 165.591 | 1.002 | 14.754 |
| 10/13/2016 1:40:00 PM | 56400.000 | 11.981 | 17.694 |
| 27.308 | 6039.911 | 7019.402 | 3.892 |
| 4773.193 | 165.565 | 1.002 | 14.756 |
| 10/13/2016 1:45:00 PM | 56700.000 | 11.979 | 17.695 |
| 27.303 | 6039.296 | 7018.605 | 3.892 |
| 4772.652 | 165.582 | 1.002 | 14.757 |
| 10/13/2016 1:50:00 PM | 57000.000 | 11.974 | 17.695 |
| 27.293 | 6038.340 | 7017.521 | 3.891 |
| 4771.915 | 165.608 | 1.002 | 14.757 |
| 10/13/2016 1:55:00 PM | 57300.000 | 11.979 | 17.695 |
| 27.304 | 6039.734 | 7019.130 | 3.892 |
| 4773.008 | 165.570 | 1.002 | 14.757 |
| 10/13/2016 2:00:00 PM | 57600.000 | 11.980 | 17.695 |
| 27.305 | 6038.805 | 7018.062 | 3.891 |
| 4772.283 | 165.596 | 1.002 | 14.756 |
| 10/13/2016 2:05:00 PM | 57900.000 | 11.974 | 17.694 |
| 27.292 | 6039.928 | 7019.421 | 3.892 |
| 4773.207 | 165.565 | 1.002 | 14.756 |
| 10/13/2016 2:10:00 PM | 58200.000 | 11.978 | 17.694 |
| 27.302 | 6039.712 | 7019.156 | 3.892 |
| 4773.026 | 165.571 | 1.002 | 14.755 |
| 10/13/2016 2:15:00 PM | 58500.000 | 11.977 | 17.695 |
| 27.299 | 6039.100 | 7018.364 | 3.892 |
| 4772.488 | 165.588 | 1.002 | 14.755 |

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|---|---|---|---|
| 10/13/2016 2:20:00 PM | 58800.000 | 11.973 | 17.694 |
| 27.290 | 6039.332 | 7018.688 | 3.892 |
| 4772.708 | 165.581 | 1.002 | 14.754 |
| 10/13/2016 2:25:00 PM | 59100.000 | 11.978 | 17.694 |
| 27.301 | 6038.687 | 7017.939 | 3.891 |
| 4772.199 | 165.599 | 1.002 | 14.753 |
| 10/13/2016 2:30:00 PM | 59400.000 | 11.974 | 17.694 |
| 27.293 | 6037.542 | 7016.634 | 3.891 |
| 4771.312 | 165.630 | 1.002 | 14.752 |
| 10/13/2016 2:35:00 PM | 59700.000 | 11.977 | 17.695 |
| 27.300 | 6037.991 | 7017.076 | 3.891 |
| 4771.612 | 165.618 | 1.002 | 14.751 |
| 10/13/2016 2:40:00 PM | 60000.000 | 11.976 | 17.695 |
| 27.298 | 6037.072 | 7015.966 | 3.890 |
| 4770.857 | 165.643 | 1.002 | 14.750 |
| 10/13/2016 2:45:00 PM | 60300.000 | 11.977 | 17.694 |
| 27.300 | 6038.260 | 7017.469 | 3.891 |
| 4771.879 | 165.611 | 1.002 | 14.750 |
| 10/13/2016 2:50:00 PM | 60600.000 | 11.978 | 17.695 |
| 27.302 | 6037.098 | 7015.984 | 3.890 |
| 4770.870 | 165.643 | 1.002 | 14.750 |
| 10/13/2016 2:55:00 PM | 60900.000 | 11.973 | 17.694 |
| 27.290 | 6036.837 | 7015.829 | 3.890 |
| 4770.764 | 165.650 | 1.002 | 14.750 |
| 10/13/2016 3:00:00 PM | 61200.000 | 11.973 | 17.695 |
| 27.290 | 6036.785 | 7015.687 | 3.890 |
| 4770.667 | 165.651 | 1.002 | 14.750 |
| 10/13/2016 3:05:00 PM | 61500.000 | 11.976 | 17.694 |
| 27.298 | 6035.284 | 7014.024 | 3.889 |
| 4769.537 | 165.692 | 1.002 | 14.749 |
| 10/13/2016 3:10:00 PM | 61800.000 | 11.976 | 17.695 |
| 27.296 | 6037.494 | 7016.403 | 3.890 |
| 4771.154 | 165.632 | 1.002 | 14.748 |
| 10/13/2016 3:15:00 PM | 62100.000 | 11.975 | 17.694 |
| 27.295 | 6035.163 | 7013.857 | 3.889 |
| 4769.423 | 165.696 | 1.002 | 14.747 |
| 10/13/2016 3:20:00 PM | 62400.000 | 11.971 | 17.695 |
| 27.286 | 6033.739 | 7012.134 | 3.888 |
| 4768.252 | 165.735 | 1.002 | 14.746 |
| 10/13/2016 3:25:00 PM | 62700.000 | 11.972 | 17.695 |
| 27.288 | 6034.395 | 7012.937 | 3.888 |
| 4768.797 | 165.717 | 1.002 | 14.745 |
| 10/13/2016 3:30:00 PM | 63000.000 | 11.978 | 17.695 |
| 27.302 | 6034.536 | 7013.088 | 3.888 |
| 4768.900 | 165.713 | 1.002 | 14.744 |
| 10/13/2016 3:35:00 PM | 63300.000 | 11.973 | 17.695 |
| 27.291 | 6033.088 | 7011.418 | 3.887 |
| 4767.765 | 165.753 | 1.002 | 14.742 |
| 10/13/2016 3:40:00 PM | 63600.000 | 11.979 | 17.695 |
| 27.305 | 6032.978 | 7011.250 | 3.887 |
| 4767.650 | 165.756 | 1.002 | 14.741 |
| 10/13/2016 3:45:00 PM | 63900.000 | 11.981 | 17.695 |
| 27.308 | 6032.601 | 7010.824 | 3.887 |
| 4767.361 | 165.766 | 1.002 | 14.739 |
| 10/13/2016 3:50:00 PM | 64200.000 | 11.977 | 17.695 |
| 27.300 | 6032.867 | 7011.108 | 3.887 |

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|---|---|---|---|
| 4767.553 | 165.759 | 1.002 | 14.737 |
| 10/13/2016 3:55:00 PM | 64500.000 | 11.982 | 17.694 |
| 27.312 | 6031.995 | 7010.202 | 3.887 |
| 4766.938 | 165.783 | 1.002 | 14.736 |
| 10/13/2016 4:00:00 PM | 64800.000 | 11.980 | 17.694 |
| 27.306 | 6031.965 | 7010.127 | 3.887 |
| 4766.887 | 165.783 | 1.002 | 14.734 |
| 10/13/2016 4:05:00 PM | 65100.000 | 11.976 | 17.695 |
| 27.298 | 6031.470 | 7009.510 | 3.886 |
| 4766.467 | 165.797 | 1.002 | 14.736 |
| 10/13/2016 4:10:00 PM | 65400.000 | 11.979 | 17.695 |
| 27.303 | 6031.713 | 7009.780 | 3.886 |
| 4766.651 | 165.790 | 1.002 | 14.737 |
| 10/13/2016 4:15:00 PM | 65700.000 | 11.973 | 17.694 |
| 27.291 | 6030.082 | 7007.953 | 3.885 |
| 4765.409 | 165.835 | 1.002 | 14.739 |
| 10/13/2016 4:20:00 PM | 66000.000 | 11.976 | 17.694 |
| 27.296 | 6030.458 | 7008.390 | 3.886 |
| 4765.705 | 165.825 | 1.002 | 14.737 |
| 10/13/2016 4:25:00 PM | 66300.000 | 11.980 | 17.694 |
| 27.305 | 6029.650 | 7007.451 | 3.885 |
| 4765.066 | 165.847 | 1.002 | 14.734 |
| 10/13/2016 4:30:00 PM | 66600.000 | 11.976 | 17.695 |
| 27.297 | 6029.710 | 7007.452 | 3.885 |
| 4765.067 | 165.845 | 1.002 | 14.732 |
| 10/13/2016 4:35:00 PM | 66900.000 | 11.978 | 17.694 |
| 27.301 | 6029.150 | 7006.922 | 3.885 |
| 4764.707 | 165.861 | 1.002 | 14.733 |
| 10/13/2016 4:40:00 PM | 67200.000 | 11.976 | 17.695 |
| 27.298 | 6028.224 | 7005.753 | 3.884 |
| 4763.912 | 165.886 | 1.002 | 14.733 |
| 10/13/2016 4:45:00 PM | 67500.000 | 11.971 | 17.694 |
| 27.287 | 6028.426 | 7006.054 | 3.884 |
| 4764.117 | 165.881 | 1.002 | 14.734 |
| 10/13/2016 4:50:00 PM | 67800.000 | 11.973 | 17.694 |
| 27.289 | 6028.042 | 7005.567 | 3.884 |
| 4763.786 | 165.891 | 1.002 | 14.732 |
| 10/13/2016 4:55:00 PM | 68100.000 | 11.976 | 17.694 |
| 27.297 | 6027.560 | 7005.021 | 3.884 |
| 4763.415 | 165.905 | 1.002 | 14.731 |
| 10/13/2016 5:00:00 PM | 68400.000 | 11.973 | 17.695 |
| 27.290 | 6028.205 | 7005.730 | 3.884 |
| 4763.897 | 165.887 | 1.002 | 14.729 |
| 10/13/2016 5:05:00 PM | 68700.000 | 11.976 | 17.695 |
| 27.296 | 6028.423 | 7005.997 | 3.884 |
| 4764.078 | 165.881 | 1.002 | 14.730 |
| 10/13/2016 5:10:00 PM | 69000.000 | 11.970 | 17.695 |
| 27.284 | 6027.207 | 7004.555 | 3.883 |
| 4763.098 | 165.914 | 1.002 | 14.731 |
| 10/13/2016 5:15:00 PM | 69300.000 | 11.969 | 17.694 |
| 27.282 | 6026.571 | 7003.899 | 3.883 |
| 4762.651 | 165.932 | 1.002 | 14.732 |
| 10/13/2016 5:20:00 PM | 69600.000 | 11.965 | 17.695 |
| 27.272 | 6026.877 | 7004.132 | 3.883 |
| 4762.810 | 165.923 | 1.002 | 14.730 |
| 10/13/2016 5:25:00 PM | 69900.000 | 11.968 | 17.694 |

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|---|---|---|---|
| 27.278 | 6025.624 | 7002.798 | 3.882 |
| 4761.903 | 165.958 | 1.002 | 14.728 |
| 10/13/2016 5:30:00 PM | 70200.000 | 11.975 | 17.694 |
| 27.295 | 6026.128 | 7003.370 | 3.883 |
| 4762.292 | 165.944 | 1.002 | 14.726 |
| 10/13/2016 5:35:00 PM | 70500.000 | 11.972 | 17.694 |
| 27.288 | 6026.124 | 7003.365 | 3.883 |
| 4762.288 | 165.944 | 1.002 | 14.724 |
| 10/13/2016 5:40:00 PM | 70800.000 | 11.973 | 17.694 |
| 27.290 | 6025.576 | 7002.702 | 3.882 |
| 4761.837 | 165.959 | 1.002 | 14.723 |
| 10/13/2016 5:45:00 PM | 71100.000 | 11.980 | 17.694 |
| 27.305 | 6025.220 | 7002.289 | 3.882 |
| 4761.556 | 165.969 | 1.002 | 14.722 |
| 10/13/2016 5:50:00 PM | 71400.000 | 11.979 | 17.695 |
| 27.304 | 6025.737 | 7002.875 | 3.882 |
| 4761.955 | 165.955 | 1.002 | 14.723 |
| 10/13/2016 5:55:00 PM | 71700.000 | 11.974 | 17.694 |
| 27.292 | 6024.025 | 7000.953 | 3.881 |
| 4760.648 | 166.002 | 1.002 | 14.724 |
| 10/13/2016 6:00:00 PM | 72000.000 | 11.975 | 17.695 |
| 27.295 | 6024.766 | 7001.747 | 3.882 |
| 4761.188 | 165.982 | 1.002 | 14.725 |
| 10/13/2016 6:05:00 PM | 72300.000 | 11.976 | 17.694 |
| 27.296 | 6024.195 | 7001.097 | 3.881 |
| 4760.747 | 165.997 | 1.002 | 14.726 |
| 10/13/2016 6:10:00 PM | 72600.000 | 11.968 | 17.695 |
| 27.279 | 6022.971 | 6999.648 | 3.880 |
| 4759.761 | 166.031 | 1.002 | 14.727 |
| 10/13/2016 6:15:00 PM | 72900.000 | 11.969 | 17.694 |
| 27.280 | 6022.674 | 6999.329 | 3.880 |
| 4759.544 | 166.039 | 1.002 | 14.729 |
| 10/13/2016 6:20:00 PM | 73200.000 | 11.970 | 17.695 |
| 27.284 | 6022.754 | 6999.355 | 3.880 |
| 4759.562 | 166.037 | 1.002 | 14.730 |
| 10/13/2016 6:25:00 PM | 73500.000 | 11.971 | 17.694 |
| 27.284 | 6022.801 | 6999.503 | 3.880 |
| 4759.662 | 166.036 | 1.002 | 14.731 |
| 10/13/2016 6:30:00 PM | 73800.000 | 11.974 | 17.694 |
| 27.292 | 6022.148 | 6998.785 | 3.880 |
| 4759.174 | 166.054 | 1.002 | 14.732 |
| 10/13/2016 6:35:00 PM | 74100.000 | 11.972 | 17.695 |
| 27.288 | 6021.621 | 6998.023 | 3.879 |
| 4758.656 | 166.068 | 1.002 | 14.731 |
| 10/13/2016 6:40:00 PM | 74400.000 | 11.973 | 17.695 |
| 27.290 | 6021.109 | 6997.429 | 3.879 |
| 4758.251 | 166.082 | 1.002 | 14.731 |
| 10/13/2016 6:45:00 PM | 74700.000 | 11.971 | 17.694 |
| 27.286 | 6021.372 | 6997.842 | 3.879 |
| 4758.533 | 166.075 | 1.002 | 14.731 |
| 10/13/2016 6:50:00 PM | 75000.000 | 11.970 | 17.694 |
| 27.284 | 6020.325 | 6996.639 | 3.879 |
| 4757.715 | 166.104 | 1.002 | 14.732 |
| 10/13/2016 6:55:00 PM | 75300.000 | 11.967 | 17.695 |
| 27.277 | 6020.097 | 6996.309 | 3.878 |
| 4757.490 | 166.110 | 1.002 | 14.732 |

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|---|---|---|---|
| 10/13/2016 7:00:00 PM | 75600.000 | 11.965 | 17.695 |
| 27.271 | 6019.020 | 6995.041 | 3.878 |
| 4756.628 | 166.140 | 1.002 | 14.733 |
| 10/13/2016 7:05:00 PM | 75900.000 | 11.971 | 17.694 |
| 27.286 | 6019.272 | 6995.402 | 3.878 |
| 4756.874 | 166.133 | 1.002 | 14.731 |
| 10/13/2016 7:10:00 PM | 76200.000 | 11.971 | 17.694 |
| 27.286 | 6019.772 | 6995.983 | 3.878 |
| 4757.269 | 166.119 | 1.002 | 14.730 |
| 10/13/2016 7:15:00 PM | 76500.000 | 11.977 | 17.695 |
| 27.300 | 6018.730 | 6994.719 | 3.878 |
| 4756.409 | 166.148 | 1.002 | 14.728 |
| 10/13/2016 7:20:00 PM | 76800.000 | 11.971 | 17.695 |
| 27.286 | 6017.755 | 6993.599 | 3.877 |
| 4755.647 | 166.175 | 1.002 | 14.730 |
| 10/13/2016 7:25:00 PM | 77100.000 | 11.972 | 17.695 |
| 27.287 | 6017.055 | 6992.704 | 3.876 |
| 4755.039 | 166.194 | 1.002 | 14.731 |
| 10/13/2016 7:30:00 PM | 77400.000 | 11.973 | 17.695 |
| 27.291 | 6017.714 | 6993.551 | 3.877 |
| 4755.615 | 166.176 | 1.002 | 14.733 |
| 10/13/2016 7:35:00 PM | 77700.000 | 11.971 | 17.695 |
| 27.286 | 6017.369 | 6993.150 | 3.877 |
| 4755.342 | 166.186 | 1.002 | 14.733 |
| 10/13/2016 7:40:00 PM | 78000.000 | 11.973 | 17.694 |
| 27.290 | 6016.680 | 6992.377 | 3.876 |
| 4754.817 | 166.205 | 1.002 | 14.733 |
| 10/13/2016 7:45:00 PM | 78300.000 | 11.974 | 17.695 |
| 27.291 | 6015.559 | 6991.019 | 3.875 |
| 4753.894 | 166.236 | 1.002 | 14.733 |
| 10/13/2016 7:50:00 PM | 78600.000 | 11.960 | 17.695 |
| 27.261 | 6015.418 | 6990.816 | 3.875 |
| 4753.755 | 166.239 | 1.002 | 14.735 |
| 10/13/2016 7:55:00 PM | 78900.000 | 11.962 | 17.695 |
| 27.264 | 6013.503 | 6988.645 | 3.874 |
| 4752.279 | 166.292 | 1.002 | 14.737 |
| 10/13/2016 8:00:00 PM | 79200.000 | 11.959 | 17.695 |
| 27.258 | 6011.779 | 6986.653 | 3.873 |
| 4750.925 | 166.340 | 1.002 | 14.739 |
| 10/13/2016 8:05:00 PM | 79500.000 | 11.963 | 17.695 |
| 27.266 | 6010.545 | 6985.220 | 3.872 |
| 4749.950 | 166.374 | 1.002 | 14.737 |
| 10/13/2016 8:10:00 PM | 79800.000 | 11.961 | 17.694 |
| 27.264 | 6009.541 | 6984.066 | 3.871 |
| 4749.165 | 166.402 | 1.002 | 14.735 |
| 10/13/2016 8:15:00 PM | 80100.000 | 11.964 | 17.695 |
| 27.269 | 6008.755 | 6983.111 | 3.871 |
| 4748.516 | 166.424 | 1.002 | 14.733 |
| 10/13/2016 8:20:00 PM | 80400.000 | 11.967 | 17.694 |
| 27.277 | 6009.716 | 6984.271 | 3.871 |
| 4749.304 | 166.397 | 1.002 | 14.735 |
| 10/13/2016 8:25:00 PM | 80700.000 | 11.965 | 17.695 |
| 27.273 | 6007.788 | 6982.003 | 3.870 |
| 4747.762 | 166.451 | 1.002 | 14.736 |
| 10/13/2016 8:30:00 PM | 81000.000 | 11.958 | 17.694 |
| 27.255 | 6007.536 | 6981.750 | 3.870 |

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|---|---|---|---|
| 4747.590 | 166.458 | 1.002 | 14.738 |
| 10/13/2016 8:35:00 PM | 81300.000 | 11.958 | 17.695 |
| 27.255 | 6006.884 | 6980.924 | 3.869 |
| 4747.029 | 166.476 | 1.002 | 14.738 |
| 10/13/2016 8:40:00 PM | 81600.000 | 11.962 | 17.695 |
| 27.265 | 6006.297 | 6980.282 | 3.869 |
| 4746.592 | 166.492 | 1.002 | 14.737 |
| 10/13/2016 8:45:00 PM | 81900.000 | 11.960 | 17.694 |
| 27.261 | 6005.902 | 6979.864 | 3.869 |
| 4746.308 | 166.503 | 1.002 | 14.736 |
| 10/13/2016 8:50:00 PM | 82200.000 | 11.963 | 17.695 |
| 27.267 | 6006.512 | 6980.479 | 3.869 |
| 4746.726 | 166.486 | 1.002 | 14.736 |
| 10/13/2016 8:55:00 PM | 82500.000 | 11.967 | 17.695 |
| 27.276 | 6005.125 | 6978.867 | 3.868 |
| 4745.630 | 166.524 | 1.002 | 14.736 |
| 10/13/2016 9:00:00 PM | 82800.000 | 11.966 | 17.694 |
| 27.274 | 6004.902 | 6978.690 | 3.868 |
| 4745.510 | 166.531 | 1.002 | 14.735 |
| 10/13/2016 9:05:00 PM | 83100.000 | 11.966 | 17.694 |
| 27.273 | 6003.477 | 6977.072 | 3.867 |
| 4744.409 | 166.570 | 1.002 | 14.735 |
| 10/13/2016 9:10:00 PM | 83400.000 | 11.966 | 17.695 |
| 27.273 | 6003.475 | 6976.949 | 3.867 |
| 4744.326 | 166.570 | 1.002 | 14.734 |
| 10/13/2016 9:15:00 PM | 83700.000 | 11.963 | 17.694 |
| 27.268 | 6002.506 | 6975.891 | 3.866 |
| 4743.605 | 166.597 | 1.002 | 14.734 |
| 10/13/2016 9:20:00 PM | 84000.000 | 11.961 | 17.695 |
| 27.263 | 6002.933 | 6976.373 | 3.867 |
| 4743.934 | 166.585 | 1.002 | 14.737 |
| 10/13/2016 9:25:00 PM | 84300.000 | 11.963 | 17.695 |
| 27.267 | 6002.625 | 6975.934 | 3.866 |
| 4743.636 | 166.594 | 1.002 | 14.740 |
| 10/13/2016 9:30:00 PM | 84600.000 | 11.958 | 17.695 |
| 27.256 | 6001.420 | 6974.587 | 3.866 |
| 4742.720 | 166.627 | 1.002 | 14.743 |
| 10/13/2016 9:35:00 PM | 84900.000 | 11.960 | 17.695 |
| 27.261 | 6001.080 | 6974.208 | 3.865 |
| 4742.461 | 166.637 | 1.002 | 14.743 |
| 10/13/2016 9:40:00 PM | 85200.000 | 11.964 | 17.695 |
| 27.270 | 6002.571 | 6975.925 | 3.866 |
| 4743.629 | 166.595 | 1.002 | 14.743 |
| 10/13/2016 9:45:00 PM | 85500.000 | 11.962 | 17.694 |
| 27.266 | 6006.508 | 6980.556 | 3.869 |
| 4746.778 | 166.486 | 1.002 | 14.744 |
| 10/13/2016 9:50:00 PM | 85800.000 | 11.960 | 17.694 |
| 27.259 | 6018.657 | 6994.661 | 3.877 |
| 4756.370 | 166.150 | 1.002 | 14.744 |
| 10/13/2016 9:55:00 PM | 86100.000 | 11.959 | 17.694 |
| 27.259 | 6028.726 | 7006.389 | 3.884 |
| 4764.345 | 165.873 | 1.002 | 14.744 |
| 10/13/2016 10:00:00 PM | 86400.000 | 11.964 | 17.694 |
| 27.269 | 6038.203 | 7017.391 | 3.891 |
| 4771.826 | 165.612 | 1.002 | 14.744 |
| 10/13/2016 10:05:00 PM | 86700.000 | 11.962 | 17.694 |

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|---|---|---|---|
| 27.265 | 6046.870 | 7027.475 | 3.897 |
| 4778.683 | 165.375 | 1.002 | 14.744 |
| 10/13/2016 10:10:00 PM | 87000.000 | 11.968 | 17.694 |
| 27.278 | 6053.620 | 7035.347 | 3.902 |
| 4784.036 | 165.190 | 1.002 | 14.743 |
| 10/13/2016 10:15:00 PM | 87300.000 | 11.967 | 17.694 |
| 27.278 | 6060.772 | 7043.646 | 3.907 |
| 4789.680 | 164.995 | 1.002 | 14.742 |
| 10/13/2016 10:20:00 PM | 87600.000 | 11.968 | 17.694 |
| 27.278 | 6069.713 | 7054.011 | 3.913 |
| 4796.728 | 164.752 | 1.002 | 14.741 |
| 10/13/2016 10:25:00 PM | 87900.000 | 11.970 | 17.695 |
| 27.283 | 6075.414 | 7060.607 | 3.917 |
| 4801.213 | 164.598 | 1.002 | 14.741 |
| 10/13/2016 10:30:00 PM | 88200.000 | 11.965 | 17.694 |
| 27.271 | 6082.758 | 7069.211 | 3.922 |
| 4807.063 | 164.399 | 1.002 | 14.741 |
| 10/13/2016 10:35:00 PM | 88500.000 | 11.966 | 17.694 |
| 27.274 | 6089.616 | 7077.236 | 3.926 |
| 4812.521 | 164.214 | 1.002 | 14.741 |
| 10/13/2016 10:40:00 PM | 88800.000 | 11.965 | 17.694 |
| 27.271 | 6094.941 | 7083.382 | 3.930 |
| 4816.701 | 164.070 | 1.002 | 14.740 |
| 10/13/2016 10:45:00 PM | 89100.000 | 11.968 | 17.694 |
| 27.279 | 6102.524 | 7092.128 | 3.935 |
| 4822.647 | 163.867 | 1.002 | 14.740 |
| 10/13/2016 10:50:00 PM | 89400.000 | 11.968 | 17.694 |
| 27.278 | 6109.121 | 7099.930 | 3.940 |
| 4827.953 | 163.690 | 1.002 | 14.741 |
| 10/13/2016 10:55:00 PM | 89700.000 | 11.968 | 17.694 |
| 27.278 | 6114.097 | 7105.672 | 3.943 |
| 4831.858 | 163.556 | 1.002 | 14.742 |
| 10/13/2016 11:00:00 PM | 90000.000 | 11.962 | 17.694 |
| 27.266 | 6120.733 | 7113.374 | 3.948 |
| 4837.094 | 163.379 | 1.002 | 14.743 |
| 10/13/2016 11:05:00 PM | 90300.000 | 11.961 | 17.694 |
| 27.263 | 6124.735 | 7118.036 | 3.951 |
| 4840.264 | 163.272 | 1.002 | 14.745 |
| 10/13/2016 11:10:00 PM | 90600.000 | 11.958 | 17.694 |
| 27.257 | 6130.752 | 7125.059 | 3.955 |
| 4845.041 | 163.112 | 1.002 | 14.746 |
| 10/13/2016 11:15:00 PM | 90900.000 | 11.963 | 17.694 |
| 27.266 | 6133.575 | 7128.268 | 3.957 |
| 4847.222 | 163.037 | 1.002 | 14.748 |
| 10/13/2016 11:20:00 PM | 91200.000 | 11.965 | 17.694 |
| 27.272 | 6139.117 | 7134.709 | 3.961 |
| 4851.602 | 162.890 | 1.002 | 14.746 |
| 10/13/2016 11:25:00 PM | 91500.000 | 11.963 | 17.693 |
| 27.268 | 6143.086 | 7139.448 | 3.963 |
| 4854.825 | 162.785 | 1.002 | 14.743 |
| 10/13/2016 11:30:00 PM | 91800.000 | 11.964 | 17.694 |
| 27.269 | 6148.025 | 7145.091 | 3.967 |
| 4858.662 | 162.654 | 1.002 | 14.741 |
| 10/13/2016 11:35:00 PM | 92100.000 | 11.966 | 17.694 |
| 27.274 | 6152.032 | 7149.789 | 3.969 |
| 4861.856 | 162.548 | 1.002 | 14.741 |

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|---|---|---|---|
| 10/13/2016 11:40:00 PM | 92400.000 | 11.967 | 17.694 |
| 27.277 | 6155.479 | 7153.685 | 3.972 |
| 4864.506 | 162.457 | 1.002 | 14.741 |
| 10/13/2016 11:45:00 PM | 92700.000 | 11.961 | 17.694 |
| 27.262 | 6159.467 | 7158.457 | 3.975 |
| 4867.750 | 162.352 | 1.002 | 14.741 |
| 10/13/2016 11:50:00 PM | 93000.000 | 11.966 | 17.694 |
| 27.275 | 6163.399 | 7163.000 | 3.977 |
| 4870.840 | 162.248 | 1.002 | 14.740 |
| 10/13/2016 11:55:00 PM | 93300.000 | 11.969 | 17.694 |
| 27.281 | 6166.224 | 7166.226 | 3.979 |
| 4873.034 | 162.174 | 1.002 | 14.739 |
| 10/14/2016 12:00:00 AM | 93600.000 | 11.970 | 17.694 |
| 27.283 | 6169.709 | 7170.333 | 3.982 |
| 4875.827 | 162.082 | 1.002 | 14.739 |
| 10/14/2016 12:05:00 AM | 93900.000 | 11.971 | 17.694 |
| 27.286 | 6172.082 | 7173.117 | 3.983 |
| 4877.720 | 162.020 | 1.002 | 14.737 |
| 10/14/2016 12:10:00 AM | 94200.000 | 11.974 | 17.694 |
| 27.292 | 6175.839 | 7177.428 | 3.986 |
| 4880.651 | 161.921 | 1.002 | 14.736 |
| 10/14/2016 12:15:00 AM | 94500.000 | 11.968 | 17.694 |
| 27.279 | 6177.792 | 7179.728 | 3.987 |
| 4882.215 | 161.870 | 1.002 | 14.734 |
| 10/14/2016 12:20:00 AM | 94800.000 | 11.970 | 17.694 |
| 27.284 | 6180.557 | 7182.899 | 3.989 |
| 4884.371 | 161.798 | 1.002 | 14.735 |
| 10/14/2016 12:25:00 AM | 95100.000 | 11.970 | 17.694 |
| 27.283 | 6183.583 | 7186.358 | 3.991 |
| 4886.724 | 161.719 | 1.002 | 14.736 |
| 10/14/2016 12:30:00 AM | 95400.000 | 11.965 | 17.694 |
| 27.271 | 6186.151 | 7189.400 | 3.993 |
| 4888.792 | 161.651 | 1.002 | 14.737 |
| 10/14/2016 12:35:00 AM | 95700.000 | 11.966 | 17.694 |
| 27.273 | 6188.264 | 7191.799 | 3.994 |
| 4890.424 | 161.596 | 1.002 | 14.735 |
| 10/14/2016 12:40:00 AM | 96000.000 | 11.972 | 17.694 |
| 27.288 | 6191.746 | 7195.902 | 3.997 |
| 4893.214 | 161.505 | 1.002 | 14.733 |
| 10/14/2016 12:45:00 AM | 96300.000 | 11.975 | 17.694 |
| 27.294 | 6193.258 | 7197.645 | 3.998 |
| 4894.399 | 161.466 | 1.002 | 14.731 |
| 10/14/2016 12:50:00 AM | 96600.000 | 11.976 | 17.694 |
| 27.296 | 6194.741 | 7199.341 | 3.999 |
| 4895.552 | 161.427 | 1.002 | 14.731 |
| 10/14/2016 12:55:00 AM | 96900.000 | 11.975 | 17.694 |
| 27.294 | 6197.531 | 7202.569 | 4.001 |
| 4897.748 | 161.355 | 1.002 | 14.731 |
| 10/14/2016 1:00:00 AM | 97200.000 | 11.969 | 17.694 |
| 27.281 | 6200.168 | 7205.745 | 4.003 |
| 4899.907 | 161.286 | 1.002 | 14.731 |
| 10/14/2016 1:05:00 AM | 97500.000 | 11.969 | 17.694 |
| 27.281 | 6201.729 | 7207.462 | 4.004 |
| 4901.074 | 161.245 | 1.002 | 14.730 |
| 10/14/2016 1:10:00 AM | 97800.000 | 11.974 | 17.694 |
| 27.293 | 6204.653 | 7210.860 | 4.006 |

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| 4903.386 | 161.169 | 1.002 | 14.730 |
| 10/14/2016 1:15:00 AM | 98100.000 | 11.969 | 17.694 |
| 27.282 | 6205.746 | 7212.157 | 4.007 |
| 4904.267 | 161.141 | 1.002 | 14.729 |
| 10/14/2016 1:20:00 AM | 98400.000 | 11.974 | 17.694 |
| 27.292 | 6206.926 | 7213.501 | 4.007 |
| 4905.182 | 161.110 | 1.002 | 14.728 |
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| 4905.815 | 161.088 | 1.002 | 14.727 |
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| 27.288 | 6210.897 | 7218.242 | 4.010 |
| 4908.405 | 161.007 | 1.002 | 14.725 |
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| 27.284 | 6211.539 | 7218.889 | 4.011 |
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| 4911.261 | 160.912 | 1.002 | 14.730 |
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| 27.292 | 6221.154 | 7230.178 | 4.017 |
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| 27.294 | 6222.386 | 7231.594 | 4.018 |
| 4917.485 | 160.710 | 1.002 | 14.731 |
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| 27.299 | 6224.928 | 7234.450 | 4.020 |
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| 4921.461 | 160.578 | 1.002 | 14.730 |
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| 4922.189 | 160.554 | 1.002 | 14.730 |
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| 4923.248 | 160.520 | 1.002 | 14.730 |
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| 4923.383 | 160.516 | 1.002 | 14.731 |
| 10/14/2016 2:45:00 AM | 103500.000 | 11.978 | 17.694 |

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| 4926.642 | 160.409 | 1.002 | 14.730 |
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| 4926.991 | 160.397 | 1.002 | 14.727 |
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| 4928.255 | 160.359 | 1.002 | 14.728 |
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| 4929.236 | 160.326 | 1.002 | 14.730 |
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| 27.299 | 6238.429 | 7250.141 | 4.029 |
| 4930.096 | 160.297 | 1.002 | 14.732 |
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| 27.311 | 6239.882 | 7251.815 | 4.030 |
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| 4932.605 | 160.215 | 1.002 | 14.733 |
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| 27.310 | 6242.513 | 7254.791 | 4.032 |
| 4933.258 | 160.192 | 1.002 | 14.734 |
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| 27.295 | 6243.833 | 7256.353 | 4.033 |
| 4934.320 | 160.158 | 1.002 | 14.735 |
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| 27.307 | 6243.640 | 7256.143 | 4.033 |
| 4934.177 | 160.163 | 1.002 | 14.736 |
| 10/14/2016 4:05:00 AM | 108300.000 | 11.977 | 17.694 |
| 27.300 | 6244.471 | 7257.220 | 4.033 |
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| 4934.667 | 160.149 | 1.002 | 14.736 |

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| 27.303 | 6246.098 | 7259.111 | 4.034 |
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| 4935.430 | 160.122 | 1.002 | 14.728 |
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| 27.319 | 6241.960 | 7254.191 | 4.032 |
| 4932.851 | 160.206 | 1.002 | 14.725 |
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| 27.305 | 6236.208 | 7247.546 | 4.028 |
| 4928.332 | 160.354 | 1.002 | 14.727 |
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| 27.311 | 6228.090 | 7238.057 | 4.022 |
| 4921.879 | 160.563 | 1.002 | 14.729 |
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| 4914.972 | 160.788 | 1.002 | 14.731 |
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| 4909.596 | 160.966 | 1.002 | 14.729 |
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| 4902.556 | 161.195 | 1.002 | 14.726 |
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| 27.316 | 6195.940 | 7200.637 | 4.000 |
| 4896.434 | 161.396 | 1.002 | 14.724 |
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| 27.314 | 6189.172 | 7192.854 | 3.995 |
| 4891.141 | 161.573 | 1.002 | 14.724 |
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| 4886.394 | 161.729 | 1.002 | 14.725 |
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| 27.307 | 6176.376 | 7177.831 | 3.986 |
| 4880.926 | 161.907 | 1.002 | 14.726 |
| 10/14/2016 5:35:00 AM | 113700.000 | 11.982 | 17.695 |
| 27.310 | 6171.372 | 7172.097 | 3.983 |
| 4877.026 | 162.039 | 1.002 | 14.724 |
| 10/14/2016 5:40:00 AM | 114000.000 | 11.988 | 17.695 |
| 27.324 | 6166.530 | 7166.430 | 3.979 |
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| 27.326 | 6161.345 | 7160.473 | 3.976 |
| 4869.122 | 162.302 | 1.002 | 14.721 |
| 10/14/2016 5:50:00 AM | 114600.000 | 11.983 | 17.694 |
| 27.312 | 6156.606 | 7154.996 | 3.973 |

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| 4862.213 | 162.532 | 1.002 | 14.724 |
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| 4858.600 | 162.653 | 1.002 | 14.726 |
| 10/14/2016 6:05:00 AM | 115500.000 | 11.980 | 17.695 |
| 27.307 | 6144.034 | 7140.342 | 3.964 |
| 4855.433 | 162.760 | 1.002 | 14.725 |
| 10/14/2016 6:10:00 AM | 115800.000 | 11.985 | 17.695 |
| 27.318 | 6138.987 | 7134.461 | 3.960 |
| 4851.434 | 162.893 | 1.002 | 14.724 |
| 10/14/2016 6:15:00 AM | 116100.000 | 11.988 | 17.695 |
| 27.324 | 6136.129 | 7131.141 | 3.958 |
| 4849.176 | 162.969 | 1.002 | 14.722 |
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| 27.307 | 6131.471 | 7125.742 | 3.955 |
| 4845.505 | 163.093 | 1.002 | 14.724 |
| 10/14/2016 6:25:00 AM | 116700.000 | 11.984 | 17.695 |
| 27.315 | 6128.009 | 7121.704 | 3.953 |
| 4842.759 | 163.185 | 1.002 | 14.726 |
| 10/14/2016 6:30:00 AM | 117000.000 | 11.980 | 17.695 |
| 27.306 | 6122.821 | 7115.634 | 3.949 |
| 4838.631 | 163.323 | 1.002 | 14.728 |
| 10/14/2016 6:35:00 AM | 117300.000 | 11.978 | 17.695 |
| 27.301 | 6119.983 | 7112.363 | 3.947 |
| 4836.408 | 163.399 | 1.002 | 14.727 |
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| 27.303 | 6115.739 | 7107.418 | 3.944 |
| 4833.044 | 163.513 | 1.002 | 14.727 |
| 10/14/2016 6:45:00 AM | 117900.000 | 11.978 | 17.695 |
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| 4830.161 | 163.609 | 1.002 | 14.726 |
| 10/14/2016 6:50:00 AM | 118200.000 | 11.983 | 17.694 |
| 27.313 | 6107.532 | 7097.948 | 3.939 |
| 4826.605 | 163.732 | 1.002 | 14.725 |
| 10/14/2016 6:55:00 AM | 118500.000 | 11.980 | 17.695 |
| 27.305 | 6105.190 | 7095.185 | 3.937 |
| 4824.726 | 163.795 | 1.002 | 14.724 |
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| 4819.896 | 163.961 | 1.002 | 14.724 |
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| 4817.074 | 164.055 | 1.002 | 14.726 |
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| 27.310 | 6091.852 | 7079.740 | 3.928 |
| 4814.223 | 164.154 | 1.002 | 14.727 |
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| 10/14/2016 7:25:00 AM | 120300.000 | 11.981 | 17.694 |

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| 4810.361 | 164.286 | 1.002 | 14.726 |
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| 27.311 | 6083.717 | 7070.175 | 3.922 |
| 4807.719 | 164.373 | 1.002 | 14.725 |
| 10/14/2016 7:35:00 AM | 120900.000 | 11.986 | 17.695 |
| 27.319 | 6081.235 | 7067.344 | 3.921 |
| 4805.794 | 164.440 | 1.002 | 14.725 |
| 10/14/2016 7:40:00 AM | 121200.000 | 11.982 | 17.695 |
| 27.310 | 6077.766 | 7063.300 | 3.918 |
| 4803.045 | 164.534 | 1.002 | 14.724 |
| 10/14/2016 7:45:00 AM | 121500.000 | 11.982 | 17.695 |
| 27.310 | 6074.683 | 7059.717 | 3.916 |
| 4800.608 | 164.618 | 1.002 | 14.723 |
| 10/14/2016 7:50:00 AM | 121800.000 | 11.981 | 17.694 |
| 27.307 | 6072.373 | 7057.127 | 3.915 |
| 4798.847 | 164.680 | 1.002 | 14.724 |
| 10/14/2016 7:55:00 AM | 122100.000 | 11.986 | 17.695 |
| 27.319 | 6069.885 | 7054.128 | 3.913 |
| 4796.808 | 164.748 | 1.002 | 14.725 |
| 10/14/2016 8:00:00 AM | 122400.000 | 11.985 | 17.695 |
| 27.317 | 6066.488 | 7050.222 | 3.910 |
| 4794.152 | 164.840 | 1.002 | 14.726 |
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| 27.312 | 6064.471 | 7047.822 | 3.909 |
| 4792.519 | 164.895 | 1.002 | 14.729 |
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| 27.308 | 6061.625 | 7044.554 | 3.907 |
| 4790.297 | 164.972 | 1.002 | 14.732 |
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| 4788.162 | 165.045 | 1.002 | 14.735 |
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| 4785.437 | 165.140 | 1.002 | 14.733 |
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| 4784.839 | 165.160 | 1.002 | 14.731 |
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| 4779.651 | 165.340 | 1.002 | 14.731 |
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| 27.302 | 6045.634 | 7025.945 | 3.896 |
| 4777.643 | 165.409 | 1.002 | 14.733 |
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| 27.316 | 6043.771 | 7023.848 | 3.895 |
| 4776.217 | 165.460 | 1.002 | 14.733 |
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| 27.317 | 6041.453 | 7021.085 | 3.893 |
| 4774.339 | 165.523 | 1.002 | 14.734 |

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| 4770.960 | 165.642 | 1.002 | 14.736 |
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| 4770.251 | 165.666 | 1.002 | 14.738 |
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| 27.291 | 6035.201 | 7013.846 | 3.889 |
| 4769.416 | 165.695 | 1.002 | 14.741 |
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| 27.296 | 6031.525 | 7009.562 | 3.886 |
| 4766.502 | 165.796 | 1.002 | 14.739 |
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| 27.298 | 6030.111 | 7007.958 | 3.885 |
| 4765.412 | 165.834 | 1.002 | 14.738 |
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| 4763.633 | 165.896 | 1.002 | 14.736 |
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| 27.300 | 6026.687 | 7003.951 | 3.883 |
| 4762.687 | 165.929 | 1.002 | 14.738 |
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| 4760.513 | 166.004 | 1.002 | 14.740 |
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| 27.297 | 6023.256 | 7000.006 | 3.881 |
| 4760.004 | 166.023 | 1.002 | 14.743 |
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| 27.288 | 6020.018 | 6996.201 | 3.878 |
| 4757.417 | 166.112 | 1.002 | 14.740 |
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| 27.305 | 6018.256 | 6994.169 | 3.877 |
| 4756.035 | 166.161 | 1.002 | 14.738 |
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| 4754.485 | 166.215 | 1.002 | 14.736 |
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| 4752.849 | 166.272 | 1.002 | 14.735 |
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| 27.310 | 6012.249 | 6987.188 | 3.873 |
| 4751.288 | 166.327 | 1.002 | 14.734 |
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| 27.306 | 6009.126 | 6983.559 | 3.871 |
| 4748.820 | 166.414 | 1.002 | 14.734 |
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| 4748.012 | 166.441 | 1.002 | 14.730 |
| 10/14/2016 10:25:00 AM | 131100.000 | 11.985 | 17.695 |
| 27.316 | 6005.880 | 6979.690 | 3.869 |
| 4746.189 | 166.503 | 1.002 | 14.727 |
| 10/14/2016 10:30:00 AM | 131400.000 | 11.988 | 17.695 |
| 27.323 | 6004.695 | 6978.393 | 3.868 |

| | | | |
|---|---|---|---|
| 4745.308 | 166.536 | 1.002 | 14.724 |
| 10/14/2016 10:35:00 AM | 131700.000 | 11.984 | 17.694 |
| 27.316 | 6003.389 | 6976.943 | 3.867 |
| 4744.322 | 166.573 | 1.002 | 14.727 |
| 10/14/2016 10:40:00 AM | 132000.000 | 11.981 | 17.695 |
| 27.307 | 6001.505 | 6974.686 | 3.866 |
| 4742.787 | 166.625 | 1.002 | 14.731 |
| 10/14/2016 10:45:00 AM | 132300.000 | 11.978 | 17.695 |
| 27.301 | 6000.805 | 6973.888 | 3.865 |
| 4742.244 | 166.644 | 1.002 | 14.734 |
| 10/14/2016 10:50:00 AM | 132600.000 | 11.977 | 17.694 |
| 27.300 | 5999.124 | 6971.974 | 3.864 |
| 4740.942 | 166.691 | 1.002 | 14.734 |
| 10/14/2016 10:55:00 AM | 132900.000 | 11.972 | 17.695 |
| 27.288 | 5997.864 | 6970.470 | 3.863 |
| 4739.920 | 166.726 | 1.002 | 14.735 |
| 10/14/2016 11:00:00 AM | 133200.000 | 11.974 | 17.695 |
| 27.293 | 5996.554 | 6968.867 | 3.862 |
| 4738.830 | 166.762 | 1.002 | 14.735 |
| 10/14/2016 11:05:00 AM | 133500.000 | 11.970 | 17.695 |
| 27.284 | 5995.833 | 6968.095 | 3.862 |
| 4738.305 | 166.782 | 1.002 | 14.734 |
| 10/14/2016 11:10:00 AM | 133800.000 | 11.975 | 17.695 |
| 27.295 | 5993.927 | 6965.894 | 3.860 |
| 4736.808 | 166.836 | 1.002 | 14.733 |
| 10/14/2016 11:15:00 AM | 134100.000 | 11.976 | 17.694 |
| 27.298 | 5993.420 | 6965.357 | 3.860 |
| 4736.443 | 166.850 | 1.002 | 14.733 |
| 10/14/2016 11:20:00 AM | 134400.000 | 11.972 | 17.695 |
| 27.287 | 5992.168 | 6963.863 | 3.859 |
| 4735.427 | 166.884 | 1.002 | 14.732 |
| 10/14/2016 11:25:00 AM | 134700.000 | 11.975 | 17.694 |
| 27.295 | 5990.970 | 6962.484 | 3.858 |
| 4734.489 | 166.918 | 1.002 | 14.731 |
| 10/14/2016 11:30:00 AM | 135000.000 | 11.970 | 17.694 |
| 27.283 | 5989.696 | 6961.056 | 3.858 |
| 4733.518 | 166.953 | 1.002 | 14.731 |
| 10/14/2016 11:35:00 AM | 135300.000 | 11.973 | 17.695 |
| 27.291 | 5989.520 | 6960.705 | 3.857 |
| 4733.280 | 166.958 | 1.002 | 14.731 |
| 10/14/2016 11:40:00 AM | 135600.000 | 11.974 | 17.694 |
| 27.293 | 5988.836 | 6960.019 | 3.857 |
| 4732.813 | 166.977 | 1.002 | 14.730 |
| 10/14/2016 11:45:00 AM | 135900.000 | 11.968 | 17.695 |
| 27.279 | 5988.599 | 6959.714 | 3.857 |
| 4732.606 | 166.984 | 1.002 | 14.730 |
| 10/14/2016 11:50:00 AM | 136200.000 | 11.971 | 17.695 |
| 27.286 | 5987.700 | 6958.642 | 3.856 |
| 4731.877 | 167.009 | 1.002 | 14.730 |
| 10/14/2016 11:55:00 AM | 136500.000 | 11.972 | 17.695 |
| 27.288 | 5986.891 | 6957.702 | 3.856 |
| 4731.237 | 167.032 | 1.002 | 14.729 |
| 10/14/2016 12:00:00 PM | 136800.000 | 11.971 | 17.695 |
| 27.286 | 5986.529 | 6957.296 | 3.855 |
| 4730.962 | 167.042 | 1.002 | 14.729 |
| 10/14/2016 12:05:00 PM | 137100.000 | 11.971 | 17.695 |

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|---|---|---|---|
| 27.286 | 5985.294 | 6955.846 | 3.854 |
| 4729.976 | 167.076 | 1.002 | 14.729 |
| 10/14/2016 12:10:00 PM | 137400.000 | 11.972 | 17.694 |
| 27.287 | 5984.198 | 6954.640 | 3.854 |
| 4729.155 | 167.107 | 1.002 | 14.729 |
| 10/14/2016 12:15:00 PM | 137700.000 | 11.966 | 17.695 |
| 27.275 | 5983.504 | 6953.740 | 3.853 |
| 4728.544 | 167.126 | 1.002 | 14.728 |
| 10/14/2016 12:20:00 PM | 138000.000 | 11.969 | 17.695 |
| 27.282 | 5982.699 | 6952.845 | 3.853 |
| 4727.935 | 167.149 | 1.002 | 14.726 |
| 10/14/2016 12:25:00 PM | 138300.000 | 11.976 | 17.695 |
| 27.297 | 5981.457 | 6951.387 | 3.852 |
| 4726.943 | 167.183 | 1.002 | 14.723 |
| 10/14/2016 12:30:00 PM | 138600.000 | 11.973 | 17.694 |
| 27.291 | 5981.802 | 6951.951 | 3.852 |
| 4727.327 | 167.174 | 1.002 | 14.721 |
| 10/14/2016 12:35:00 PM | 138900.000 | 11.971 | 17.694 |
| 27.286 | 5981.228 | 6951.176 | 3.852 |
| 4726.800 | 167.190 | 1.002 | 14.723 |
| 10/14/2016 12:40:00 PM | 139200.000 | 11.968 | 17.695 |
| 27.279 | 5981.751 | 6951.757 | 3.852 |
| 4727.195 | 167.175 | 1.002 | 14.725 |
| 10/14/2016 12:45:00 PM | 139500.000 | 11.968 | 17.694 |
| 27.280 | 5980.685 | 6950.557 | 3.851 |
| 4726.378 | 167.205 | 1.002 | 14.727 |
| 10/14/2016 12:50:00 PM | 139800.000 | 11.964 | 17.695 |
| 27.270 | 5980.376 | 6950.105 | 3.851 |
| 4726.072 | 167.214 | 1.002 | 14.726 |
| 10/14/2016 12:55:00 PM | 140100.000 | 11.964 | 17.694 |
| 27.269 | 5979.737 | 6949.456 | 3.851 |
| 4725.630 | 167.231 | 1.002 | 14.725 |
| 10/14/2016 1:00:00 PM | 140400.000 | 11.969 | 17.694 |
| 27.281 | 5979.727 | 6949.444 | 3.851 |
| 4725.622 | 167.232 | 1.002 | 14.725 |
| 10/14/2016 1:05:00 PM | 140700.000 | 11.965 | 17.695 |
| 27.272 | 5978.801 | 6948.261 | 3.850 |
| 4724.818 | 167.258 | 1.002 | 14.722 |
| 10/14/2016 1:10:00 PM | 141000.000 | 11.972 | 17.694 |
| 27.287 | 5979.322 | 6948.987 | 3.850 |
| 4725.312 | 167.243 | 1.002 | 14.719 |
| 10/14/2016 1:15:00 PM | 141300.000 | 11.974 | 17.695 |
| 27.292 | 5979.376 | 6948.984 | 3.850 |
| 4725.310 | 167.242 | 1.002 | 14.716 |
| 10/14/2016 1:20:00 PM | 141600.000 | 11.973 | 17.695 |
| 27.291 | 5979.631 | 6949.280 | 3.851 |
| 4725.511 | 167.234 | 1.002 | 14.716 |
| 10/14/2016 1:25:00 PM | 141900.000 | 11.971 | 17.694 |
| 27.285 | 5979.172 | 6948.826 | 3.850 |
| 4725.202 | 167.247 | 1.002 | 14.716 |
| 10/14/2016 1:30:00 PM | 142200.000 | 11.967 | 17.694 |
| 27.277 | 5978.748 | 6948.319 | 3.850 |
| 4724.858 | 167.259 | 1.002 | 14.716 |
| 10/14/2016 1:35:00 PM | 142500.000 | 11.971 | 17.694 |
| 27.286 | 5979.727 | 6949.418 | 3.851 |
| 4725.604 | 167.232 | 1.002 | 14.713 |

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|---|---|---|---|
| 10/14/2016 1:40:00 PM | 142800.000 | 11.973 | 17.695 |
| 27.291 | 5979.013 | 6948.562 | 3.850 |
| 4725.023 | 167.252 | 1.002 | 14.711 |
| 10/14/2016 1:45:00 PM | 143100.000 | 11.969 | 17.695 |
| 27.282 | 5979.335 | 6948.937 | 3.850 |
| 4725.277 | 167.243 | 1.002 | 14.708 |
| 10/14/2016 1:50:00 PM | 143400.000 | 11.970 | 17.694 |
| 27.283 | 5979.237 | 6948.981 | 3.850 |
| 4725.308 | 167.245 | 1.002 | 14.709 |
| 10/14/2016 1:55:00 PM | 143700.000 | 11.973 | 17.695 |
| 27.290 | 5979.216 | 6948.810 | 3.850 |
| 4725.190 | 167.246 | 1.002 | 14.709 |
| 10/14/2016 2:00:00 PM | 144000.000 | 11.972 | 17.694 |
| 27.287 | 5979.046 | 6948.652 | 3.850 |
| 4725.084 | 167.251 | 1.002 | 14.709 |
| 10/14/2016 2:05:00 PM | 144300.000 | 11.971 | 17.695 |
| 27.286 | 5978.662 | 6948.100 | 3.850 |
| 4724.708 | 167.262 | 1.002 | 14.709 |
| 10/14/2016 2:10:00 PM | 144600.000 | 11.965 | 17.694 |
| 27.273 | 5977.981 | 6947.389 | 3.849 |
| 4724.225 | 167.281 | 1.002 | 14.709 |
| 10/14/2016 2:15:00 PM | 144900.000 | 11.968 | 17.694 |
| 27.279 | 5978.918 | 6948.518 | 3.850 |
| 4724.992 | 167.254 | 1.002 | 14.710 |
| 10/14/2016 2:20:00 PM | 145200.000 | 11.969 | 17.694 |
| 27.280 | 5978.149 | 6947.599 | 3.850 |
| 4724.368 | 167.276 | 1.002 | 14.709 |
| 10/14/2016 2:25:00 PM | 145500.000 | 11.965 | 17.695 |
| 27.271 | 5977.779 | 6947.140 | 3.849 |
| 4724.055 | 167.286 | 1.002 | 14.709 |
| 10/14/2016 2:30:00 PM | 145800.000 | 11.964 | 17.694 |
| 27.271 | 5977.545 | 6946.896 | 3.849 |
| 4723.890 | 167.293 | 1.002 | 14.708 |
| 10/14/2016 2:35:00 PM | 146100.000 | 11.968 | 17.694 |
| 27.280 | 5977.662 | 6947.043 | 3.849 |
| 4723.990 | 167.289 | 1.002 | 14.707 |
| 10/14/2016 2:40:00 PM | 146400.000 | 11.965 | 17.694 |
| 27.271 | 5978.141 | 6947.682 | 3.850 |
| 4724.423 | 167.276 | 1.002 | 14.706 |
| 10/14/2016 2:45:00 PM | 146700.000 | 11.970 | 17.694 |
| 27.283 | 5976.778 | 6945.991 | 3.849 |
| 4723.274 | 167.314 | 1.002 | 14.705 |
| 10/14/2016 2:50:00 PM | 147000.000 | 11.970 | 17.694 |
| 27.283 | 5976.984 | 6946.230 | 3.849 |
| 4723.438 | 167.308 | 1.002 | 14.704 |
| 10/14/2016 2:55:00 PM | 147300.000 | 11.971 | 17.694 |
| 27.285 | 5976.615 | 6945.841 | 3.849 |
| 4723.172 | 167.319 | 1.002 | 14.704 |
| 10/14/2016 3:00:00 PM | 147600.000 | 11.968 | 17.694 |
| 27.280 | 5977.534 | 6946.935 | 3.849 |
| 4723.916 | 167.293 | 1.002 | 14.703 |
| 10/14/2016 3:05:00 PM | 147900.000 | 11.971 | 17.694 |
| 27.285 | 5976.725 | 6945.981 | 3.849 |
| 4723.268 | 167.316 | 1.002 | 14.703 |
| 10/14/2016 3:10:00 PM | 148200.000 | 11.964 | 17.694 |
| 27.271 | 5978.117 | 6947.599 | 3.850 |

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|---|---|---|---|
| 4724.368 | 167.277 | 1.002 | 14.703 |
| 10/14/2016 3:15:00 PM | 148500.000 | 11.965 | 17.694 |
| 27.273 | 5976.789 | 6946.056 | 3.849 |
| 4723.318 | 167.314 | 1.002 | 14.703 |
| 10/14/2016 3:20:00 PM | 148800.000 | 11.965 | 17.694 |
| 27.271 | 5977.045 | 6946.408 | 3.849 |
| 4723.558 | 167.307 | 1.002 | 14.701 |
| 10/14/2016 3:25:00 PM | 149100.000 | 11.966 | 17.694 |
| 27.274 | 5978.077 | 6947.606 | 3.850 |
| 4724.373 | 167.278 | 1.002 | 14.699 |
| 10/14/2016 3:30:00 PM | 149400.000 | 11.972 | 17.695 |
| 27.288 | 5977.917 | 6947.300 | 3.849 |
| 4724.165 | 167.282 | 1.002 | 14.697 |
| 10/14/2016 3:35:00 PM | 149700.000 | 11.974 | 17.694 |
| 27.291 | 5978.108 | 6947.537 | 3.850 |
| 4724.326 | 167.277 | 1.002 | 14.697 |
| 10/14/2016 3:40:00 PM | 150000.000 | 11.973 | 17.694 |
| 27.289 | 5977.885 | 6947.331 | 3.849 |
| 4724.186 | 167.283 | 1.002 | 14.696 |
| 10/14/2016 3:45:00 PM | 150300.000 | 11.966 | 17.694 |
| 27.274 | 5978.237 | 6947.700 | 3.850 |
| 4724.437 | 167.273 | 1.002 | 14.696 |
| 10/14/2016 3:50:00 PM | 150600.000 | 11.961 | 17.694 |
| 27.262 | 5978.290 | 6947.814 | 3.850 |
| 4724.514 | 167.272 | 1.002 | 14.699 |
| 10/14/2016 3:55:00 PM | 150900.000 | 11.963 | 17.694 |
| 27.268 | 5978.322 | 6947.838 | 3.850 |
| 4724.530 | 167.271 | 1.002 | 14.701 |
| 10/14/2016 4:00:00 PM | 151200.000 | 11.962 | 17.694 |
| 27.264 | 5978.450 | 6947.948 | 3.850 |
| 4724.604 | 167.267 | 1.002 | 14.704 |
| 10/14/2016 4:05:00 PM | 151500.000 | 11.962 | 17.695 |
| 27.266 | 5979.322 | 6948.934 | 3.850 |
| 4725.275 | 167.243 | 1.002 | 14.703 |
| 10/14/2016 4:10:00 PM | 151800.000 | 11.965 | 17.694 |
| 27.272 | 5979.727 | 6949.539 | 3.851 |
| 4725.687 | 167.232 | 1.002 | 14.701 |
| 10/14/2016 4:15:00 PM | 152100.000 | 11.967 | 17.695 |
| 27.275 | 5978.801 | 6948.328 | 3.850 |
| 4724.864 | 167.258 | 1.002 | 14.700 |
| 10/14/2016 4:20:00 PM | 152400.000 | 11.969 | 17.694 |
| 27.280 | 5978.160 | 6947.649 | 3.850 |
| 4724.402 | 167.276 | 1.002 | 14.699 |
| 10/14/2016 4:25:00 PM | 152700.000 | 11.963 | 17.694 |
| 27.268 | 5978.343 | 6947.824 | 3.850 |
| 4724.521 | 167.270 | 1.002 | 14.698 |
| 10/14/2016 4:30:00 PM | 153000.000 | 11.966 | 17.694 |
| 27.275 | 5978.269 | 6947.723 | 3.850 |
| 4724.452 | 167.273 | 1.002 | 14.697 |
| 10/14/2016 4:35:00 PM | 153300.000 | 11.967 | 17.694 |
| 27.275 | 5979.588 | 6949.378 | 3.851 |
| 4725.577 | 167.236 | 1.002 | 14.697 |
| 10/14/2016 4:40:00 PM | 153600.000 | 11.959 | 17.694 |
| 27.259 | 5979.106 | 6948.723 | 3.850 |
| 4725.131 | 167.249 | 1.002 | 14.696 |
| 10/14/2016 4:45:00 PM | 153900.000 | 11.965 | 17.694 |

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|---|---|---|---|
| 27.272 | 5979.237 | 6948.888 | 3.850 |
| 4725.245 | 167.245 | 1.002 | 14.696 |
| 10/14/2016 4:50:00 PM | 154200.000 | 11.962 | 17.694 |
| 27.264 | 5978.364 | 6947.900 | 3.850 |
| 4724.572 | 167.270 | 1.002 | 14.696 |
| 10/14/2016 4:55:00 PM | 154500.000 | 11.968 | 17.694 |
| 27.279 | 5979.120 | 6948.778 | 3.850 |
| 4725.169 | 167.249 | 1.002 | 14.695 |
| 10/14/2016 5:00:00 PM | 154800.000 | 11.963 | 17.694 |
| 27.268 | 5979.460 | 6949.147 | 3.851 |
| 4725.420 | 167.239 | 1.002 | 14.694 |
| 10/14/2016 5:05:00 PM | 155100.000 | 11.962 | 17.695 |
| 27.265 | 5979.908 | 6949.587 | 3.851 |
| 4725.719 | 167.227 | 1.002 | 14.694 |
| 10/14/2016 5:10:00 PM | 155400.000 | 11.966 | 17.694 |
| 27.275 | 5979.770 | 6949.481 | 3.851 |
| 4725.647 | 167.231 | 1.002 | 14.694 |
| 10/14/2016 5:15:00 PM | 155700.000 | 11.964 | 17.694 |
| 27.269 | 5979.542 | 6949.217 | 3.851 |
| 4725.468 | 167.237 | 1.002 | 14.694 |
| 10/14/2016 5:20:00 PM | 156000.000 | 11.967 | 17.694 |
| 27.276 | 5979.493 | 6949.171 | 3.851 |
| 4725.437 | 167.238 | 1.002 | 14.694 |
| 10/14/2016 5:25:00 PM | 156300.000 | 11.965 | 17.695 |
| 27.272 | 5978.651 | 6948.154 | 3.850 |
| 4724.745 | 167.262 | 1.002 | 14.694 |
| 10/14/2016 5:30:00 PM | 156600.000 | 11.965 | 17.695 |
| 27.271 | 5977.726 | 6947.050 | 3.849 |
| 4723.994 | 167.288 | 1.002 | 14.694 |
| 10/14/2016 5:35:00 PM | 156900.000 | 11.959 | 17.694 |
| 27.259 | 5978.535 | 6948.085 | 3.850 |
| 4724.699 | 167.265 | 1.002 | 14.695 |
| 10/14/2016 5:40:00 PM | 157200.000 | 11.959 | 17.694 |
| 27.259 | 5977.300 | 6946.678 | 3.849 |
| 4723.742 | 167.300 | 1.002 | 14.696 |
| 10/14/2016 5:45:00 PM | 157500.000 | 11.960 | 17.694 |
| 27.261 | 5976.756 | 6946.005 | 3.849 |
| 4723.284 | 167.315 | 1.002 | 14.696 |
| 10/14/2016 5:50:00 PM | 157800.000 | 11.966 | 17.694 |
| 27.274 | 5976.820 | 6946.066 | 3.849 |
| 4723.325 | 167.313 | 1.002 | 14.695 |
| 10/14/2016 5:55:00 PM | 158100.000 | 11.962 | 17.694 |
| 27.264 | 5975.118 | 6944.101 | 3.848 |
| 4721.989 | 167.361 | 1.002 | 14.694 |
| 10/14/2016 6:00:00 PM | 158400.000 | 11.967 | 17.694 |
| 27.277 | 5974.862 | 6943.804 | 3.847 |
| 4721.787 | 167.368 | 1.002 | 14.693 |
| 10/14/2016 6:05:00 PM | 158700.000 | 11.965 | 17.695 |
| 27.273 | 5974.233 | 6943.020 | 3.847 |
| 4721.254 | 167.385 | 1.002 | 14.695 |
| 10/14/2016 6:10:00 PM | 159000.000 | 11.964 | 17.694 |
| 27.271 | 5974.298 | 6943.161 | 3.847 |
| 4721.350 | 167.384 | 1.002 | 14.697 |
| 10/14/2016 6:15:00 PM | 159300.000 | 11.958 | 17.695 |
| 27.256 | 5972.498 | 6940.975 | 3.846 |
| 4719.863 | 167.434 | 1.002 | 14.699 |

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|---|---|---|---|
| 10/14/2016 6:20:00 PM | 159600.000 | 11.962 | 17.694 |
| 27.266 | 5971.615 | 6940.017 | 3.845 |
| 4719.211 | 167.459 | 1.002 | 14.698 |
| 10/14/2016 6:25:00 PM | 159900.000 | 11.957 | 17.694 |
| 27.254 | 5970.583 | 6938.806 | 3.844 |
| 4718.389 | 167.488 | 1.002 | 14.697 |
| 10/14/2016 6:30:00 PM | 160200.000 | 11.962 | 17.694 |
| 27.264 | 5970.189 | 6938.373 | 3.844 |
| 4718.094 | 167.499 | 1.002 | 14.696 |
| 10/14/2016 6:35:00 PM | 160500.000 | 11.961 | 17.694 |
| 27.263 | 5970.306 | 6938.484 | 3.844 |
| 4718.169 | 167.496 | 1.002 | 14.696 |
| 10/14/2016 6:40:00 PM | 160800.000 | 11.958 | 17.695 |
| 27.256 | 5969.699 | 6937.722 | 3.844 |
| 4717.651 | 167.513 | 1.002 | 14.695 |
| 10/14/2016 6:45:00 PM | 161100.000 | 11.959 | 17.694 |
| 27.258 | 5968.837 | 6936.815 | 3.843 |
| 4717.034 | 167.537 | 1.002 | 14.695 |
| 10/14/2016 6:50:00 PM | 161400.000 | 11.962 | 17.695 |
| 27.266 | 5968.772 | 6936.660 | 3.843 |
| 4716.929 | 167.539 | 1.002 | 14.696 |
| 10/14/2016 6:55:00 PM | 161700.000 | 11.961 | 17.694 |
| 27.264 | 5967.103 | 6934.827 | 3.842 |
| 4715.683 | 167.586 | 1.002 | 14.696 |
| 10/14/2016 7:00:00 PM | 162000.000 | 11.961 | 17.695 |
| 27.263 | 5967.603 | 6935.301 | 3.842 |
| 4716.005 | 167.571 | 1.002 | 14.697 |
| 10/14/2016 7:05:00 PM | 162300.000 | 11.956 | 17.694 |
| 27.252 | 5967.261 | 6934.931 | 3.842 |
| 4715.753 | 167.581 | 1.002 | 14.698 |
| 10/14/2016 7:10:00 PM | 162600.000 | 11.960 | 17.694 |
| 27.260 | 5965.283 | 6932.658 | 3.841 |
| 4714.208 | 167.637 | 1.002 | 14.698 |
| 10/14/2016 7:15:00 PM | 162900.000 | 11.962 | 17.694 |
| 27.266 | 5966.570 | 6934.167 | 3.842 |
| 4715.234 | 167.600 | 1.002 | 14.699 |
| 10/14/2016 7:20:00 PM | 163200.000 | 11.961 | 17.694 |
| 27.263 | 5966.666 | 6934.264 | 3.842 |
| 4715.300 | 167.598 | 1.002 | 14.702 |
| 10/14/2016 7:25:00 PM | 163500.000 | 11.954 | 17.695 |
| 27.247 | 5966.038 | 6933.495 | 3.841 |
| 4714.777 | 167.615 | 1.002 | 14.705 |
| 10/14/2016 7:30:00 PM | 163800.000 | 11.952 | 17.694 |
| 27.242 | 5965.441 | 6932.815 | 3.841 |
| 4714.314 | 167.632 | 1.002 | 14.709 |
| 10/14/2016 7:35:00 PM | 164100.000 | 11.958 | 17.694 |
| 27.257 | 5964.780 | 6932.128 | 3.840 |
| 4713.847 | 167.651 | 1.002 | 14.706 |
| 10/14/2016 7:40:00 PM | 164400.000 | 11.961 | 17.694 |
| 27.262 | 5964.324 | 6931.542 | 3.840 |
| 4713.449 | 167.664 | 1.002 | 14.704 |
| 10/14/2016 7:45:00 PM | 164700.000 | 11.962 | 17.694 |
| 27.264 | 5965.173 | 6932.557 | 3.841 |
| 4714.139 | 167.640 | 1.002 | 14.702 |
| 10/14/2016 7:50:00 PM | 165000.000 | 11.962 | 17.694 |
| 27.265 | 5962.995 | 6930.054 | 3.839 |

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|---|---|---|---|
| 4712.437 | 167.701 | 1.002 | 14.703 |
| 10/14/2016 7:55:00 PM | 165300.000 | 11.957 | 17.695 |
| 27.255 | 5962.568 | 6929.435 | 3.839 |
| 4712.016 | 167.713 | 1.002 | 14.704 |
| 10/14/2016 8:00:00 PM | 165600.000 | 11.960 | 17.694 |
| 27.260 | 5961.440 | 6928.247 | 3.838 |
| 4711.208 | 167.745 | 1.002 | 14.705 |
| 10/14/2016 8:05:00 PM | 165900.000 | 11.961 | 17.694 |
| 27.262 | 5961.418 | 6928.206 | 3.838 |
| 4711.180 | 167.745 | 1.002 | 14.705 |
| 10/14/2016 8:10:00 PM | 166200.000 | 11.960 | 17.695 |
| 27.261 | 5960.651 | 6927.234 | 3.838 |
| 4710.520 | 167.767 | 1.002 | 14.705 |
| 10/14/2016 8:15:00 PM | 166500.000 | 11.955 | 17.695 |
| 27.249 | 5960.034 | 6926.478 | 3.837 |
| 4710.005 | 167.784 | 1.002 | 14.705 |
| 10/14/2016 8:20:00 PM | 166800.000 | 11.961 | 17.694 |
| 27.262 | 5959.513 | 6925.952 | 3.837 |
| 4709.647 | 167.799 | 1.002 | 14.703 |
| 10/14/2016 8:25:00 PM | 167100.000 | 11.964 | 17.694 |
| 27.270 | 5957.980 | 6924.170 | 3.836 |
| 4708.436 | 167.842 | 1.002 | 14.701 |
| 10/14/2016 8:30:00 PM | 167400.000 | 11.962 | 17.694 |
| 27.264 | 5957.765 | 6923.947 | 3.836 |
| 4708.284 | 167.848 | 1.002 | 14.699 |
| 10/14/2016 8:35:00 PM | 167700.000 | 11.964 | 17.694 |
| 27.270 | 5957.265 | 6923.339 | 3.835 |
| 4707.871 | 167.862 | 1.002 | 14.701 |
| 10/14/2016 8:40:00 PM | 168000.000 | 11.962 | 17.694 |
| 27.266 | 5956.957 | 6922.969 | 3.835 |
| 4707.619 | 167.871 | 1.002 | 14.703 |
| 10/14/2016 8:45:00 PM | 168300.000 | 11.960 | 17.695 |
| 27.260 | 5956.851 | 6922.806 | 3.835 |
| 4707.508 | 167.874 | 1.002 | 14.705 |
| 10/14/2016 8:50:00 PM | 168600.000 | 11.960 | 17.694 |
| 27.260 | 5956.659 | 6922.623 | 3.835 |
| 4707.384 | 167.879 | 1.002 | 14.704 |
| 10/14/2016 8:55:00 PM | 168900.000 | 11.960 | 17.695 |
| 27.261 | 5955.734 | 6921.520 | 3.834 |
| 4706.634 | 167.905 | 1.002 | 14.704 |
| 10/14/2016 9:00:00 PM | 169200.000 | 11.956 | 17.694 |
| 27.252 | 5955.340 | 6921.076 | 3.834 |
| 4706.332 | 167.917 | 1.002 | 14.703 |
| 10/14/2016 9:05:00 PM | 169500.000 | 11.960 | 17.694 |
| 27.260 | 5955.499 | 6921.301 | 3.834 |
| 4706.485 | 167.912 | 1.002 | 14.705 |
| 10/14/2016 9:10:00 PM | 169800.000 | 11.956 | 17.694 |
| 27.251 | 5955.040 | 6920.767 | 3.834 |
| 4706.122 | 167.925 | 1.002 | 14.706 |
| 10/14/2016 9:15:00 PM | 170100.000 | 11.953 | 17.694 |
| 27.246 | 5953.902 | 6919.458 | 3.833 |
| 4705.231 | 167.957 | 1.002 | 14.707 |
| 10/14/2016 9:20:00 PM | 170400.000 | 11.956 | 17.694 |
| 27.250 | 5953.879 | 6919.405 | 3.833 |
| 4705.195 | 167.958 | 1.002 | 14.706 |
| 10/14/2016 9:25:00 PM | 170700.000 | 11.956 | 17.694 |

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| 27.251 | 5952.680 | 6917.999 | 3.832 |
| 4704.239 | 167.992 | 1.002 | 14.706 |
| 10/14/2016 9:30:00 PM | 171000.000 | 11.958 | 17.694 |
| 27.255 | 5953.521 | 6919.027 | 3.833 |
| 4704.939 | 167.968 | 1.002 | 14.705 |
| 10/14/2016 9:35:00 PM | 171300.000 | 11.957 | 17.694 |
| 27.253 | 5952.741 | 6918.108 | 3.832 |
| 4704.314 | 167.990 | 1.002 | 14.707 |
| 10/14/2016 9:40:00 PM | 171600.000 | 11.960 | 17.694 |
| 27.260 | 5951.701 | 6916.847 | 3.831 |
| 4703.456 | 168.019 | 1.002 | 14.708 |
| 10/14/2016 9:45:00 PM | 171900.000 | 11.952 | 17.694 |
| 27.243 | 5951.338 | 6916.478 | 3.831 |
| 4703.205 | 168.029 | 1.002 | 14.709 |
| 10/14/2016 9:50:00 PM | 172200.000 | 11.959 | 17.694 |
| 27.257 | 5952.110 | 6917.362 | 3.832 |
| 4703.807 | 168.008 | 1.002 | 14.710 |
| 10/14/2016 9:55:00 PM | 172500.000 | 11.958 | 17.694 |
| 27.257 | 5950.815 | 6915.818 | 3.831 |
| 4702.756 | 168.044 | 1.002 | 14.710 |
| 10/14/2016 10:00:00 PM | 172800.000 | 11.958 | 17.694 |
| 27.255 | 5950.730 | 6915.733 | 3.831 |
| 4702.699 | 168.047 | 1.002 | 14.711 |
| 10/14/2016 10:05:00 PM | 173100.000 | 11.960 | 17.694 |
| 27.260 | 5950.304 | 6915.264 | 3.830 |
| 4702.380 | 168.059 | 1.002 | 14.708 |
| 10/14/2016 10:10:00 PM | 173400.000 | 11.964 | 17.694 |
| 27.270 | 5949.943 | 6914.818 | 3.830 |
| 4702.077 | 168.069 | 1.002 | 14.706 |
| 10/14/2016 10:15:00 PM | 173700.000 | 11.962 | 17.695 |
| 27.265 | 5948.985 | 6913.649 | 3.830 |
| 4701.282 | 168.096 | 1.002 | 14.703 |
| 10/14/2016 10:20:00 PM | 174000.000 | 11.964 | 17.695 |
| 27.271 | 5948.686 | 6913.317 | 3.829 |
| 4701.056 | 168.104 | 1.002 | 14.705 |
| 10/14/2016 10:25:00 PM | 174300.000 | 11.966 | 17.694 |
| 27.273 | 5948.132 | 6912.752 | 3.829 |
| 4700.672 | 168.120 | 1.002 | 14.706 |
| 10/14/2016 10:30:00 PM | 174600.000 | 11.963 | 17.695 |
| 27.268 | 5950.485 | 6915.408 | 3.831 |
| 4702.478 | 168.054 | 1.002 | 14.708 |
| 10/14/2016 10:35:00 PM | 174900.000 | 11.960 | 17.694 |
| 27.262 | 5956.352 | 6922.292 | 3.835 |
| 4707.159 | 167.888 | 1.002 | 14.710 |
| 10/14/2016 10:40:00 PM | 175200.000 | 11.959 | 17.694 |
| 27.258 | 5970.370 | 6938.543 | 3.844 |
| 4718.210 | 167.494 | 1.002 | 14.712 |
| 10/14/2016 10:45:00 PM | 175500.000 | 11.958 | 17.694 |
| 27.256 | 5984.730 | 6955.340 | 3.854 |
| 4729.631 | 167.092 | 1.002 | 14.714 |
| 10/14/2016 10:50:00 PM | 175800.000 | 11.960 | 17.694 |
| 27.261 | 5994.509 | 6966.745 | 3.861 |
| 4737.387 | 166.819 | 1.002 | 14.712 |
| 10/14/2016 10:55:00 PM | 176100.000 | 11.961 | 17.694 |
| 27.263 | 6006.328 | 6980.399 | 3.869 |
| 4746.672 | 166.491 | 1.002 | 14.711 |

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| 10/14/2016 11:00:00 PM | 176400.000 | 11.963 | 17.694 |
| 27.266 | 6015.982 | 6991.634 | 3.876 |
| 4754.312 | 166.224 | 1.002 | 14.709 |
| 10/14/2016 11:05:00 PM | 176700.000 | 11.963 | 17.694 |
| 27.268 | 6027.143 | 7004.589 | 3.883 |
| 4763.121 | 165.916 | 1.002 | 14.709 |
| 10/14/2016 11:10:00 PM | 177000.000 | 11.960 | 17.694 |
| 27.260 | 6035.618 | 7014.426 | 3.889 |
| 4769.810 | 165.683 | 1.002 | 14.709 |
| 10/14/2016 11:15:00 PM | 177300.000 | 11.964 | 17.694 |
| 27.270 | 6043.594 | 7023.776 | 3.895 |
| 4776.168 | 165.464 | 1.002 | 14.710 |
| 10/14/2016 11:20:00 PM | 177600.000 | 11.958 | 17.694 |
| 27.257 | 6052.528 | 7034.107 | 3.901 |
| 4783.193 | 165.220 | 1.002 | 14.711 |
| 10/14/2016 11:25:00 PM | 177900.000 | 11.960 | 17.694 |
| 27.261 | 6060.082 | 7042.885 | 3.906 |
| 4789.162 | 165.014 | 1.002 | 14.712 |
| 10/14/2016 11:30:00 PM | 178200.000 | 11.955 | 17.694 |
| 27.249 | 6066.119 | 7049.928 | 3.910 |
| 4793.952 | 164.850 | 1.002 | 14.713 |
| 10/14/2016 11:35:00 PM | 178500.000 | 11.960 | 17.694 |
| 27.259 | 6072.583 | 7057.467 | 3.915 |
| 4799.078 | 164.675 | 1.002 | 14.713 |
| 10/14/2016 11:40:00 PM | 178800.000 | 11.960 | 17.693 |
| 27.260 | 6078.639 | 7064.533 | 3.919 |
| 4803.883 | 164.510 | 1.002 | 14.713 |
| 10/14/2016 11:45:00 PM | 179100.000 | 11.959 | 17.694 |
| 27.258 | 6085.630 | 7072.644 | 3.924 |
| 4809.398 | 164.322 | 1.002 | 14.713 |
| 10/14/2016 11:50:00 PM | 179400.000 | 11.960 | 17.694 |
| 27.261 | 6092.469 | 7080.552 | 3.928 |
| 4814.775 | 164.137 | 1.002 | 14.714 |
| 10/14/2016 11:55:00 PM | 179700.000 | 11.954 | 17.694 |
| 27.247 | 6097.317 | 7086.200 | 3.932 |
| 4818.616 | 164.007 | 1.002 | 14.715 |
| 10/15/2016 12:00:00 AM | 180000.000 | 11.959 | 17.694 |
| 27.259 | 6101.244 | 7090.776 | 3.934 |
| 4821.728 | 163.901 | 1.002 | 14.715 |
| 10/15/2016 12:05:00 AM | 180300.000 | 11.957 | 17.694 |
| 27.253 | 6106.664 | 7097.089 | 3.938 |
| 4826.021 | 163.756 | 1.002 | 14.713 |
| 10/15/2016 12:10:00 AM | 180600.000 | 11.963 | 17.694 |
| 27.267 | 6111.339 | 7102.468 | 3.941 |
| 4829.679 | 163.630 | 1.002 | 14.710 |
| 10/15/2016 12:15:00 AM | 180900.000 | 11.961 | 17.694 |
| 27.263 | 6115.560 | 7107.429 | 3.944 |
| 4833.052 | 163.517 | 1.002 | 14.708 |
| 10/15/2016 12:20:00 AM | 181200.000 | 11.967 | 17.694 |
| 27.277 | 6120.196 | 7112.802 | 3.948 |
| 4836.706 | 163.393 | 1.002 | 14.707 |
| 10/15/2016 12:25:00 AM | 181500.000 | 11.966 | 17.694 |
| 27.274 | 6125.096 | 7118.470 | 3.951 |
| 4840.560 | 163.263 | 1.002 | 14.706 |
| 10/15/2016 12:30:00 AM | 181800.000 | 11.968 | 17.693 |
| 27.278 | 6128.740 | 7122.789 | 3.953 |

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| 4843.496 | 163.166 | 1.002 | 14.705 |
| 10/15/2016 12:35:00 AM | 182100.000 | 11.965 | 17.694 |
| 27.271 | 6132.910 | 7127.578 | 3.956 |
| 4846.753 | 163.055 | 1.002 | 14.707 |
| 10/15/2016 12:40:00 AM | 182400.000 | 11.963 | 17.693 |
| 27.268 | 6136.014 | 7131.229 | 3.958 |
| 4849.236 | 162.972 | 1.002 | 14.708 |
| 10/15/2016 12:45:00 AM | 182700.000 | 11.958 | 17.693 |
| 27.255 | 6139.010 | 7134.695 | 3.961 |
| 4851.593 | 162.893 | 1.002 | 14.710 |
| 10/15/2016 12:50:00 AM | 183000.000 | 11.958 | 17.693 |
| 27.257 | 6143.776 | 7140.235 | 3.964 |
| 4855.360 | 162.766 | 1.002 | 14.707 |
| 10/15/2016 12:55:00 AM | 183300.000 | 11.961 | 17.694 |
| 27.264 | 6146.053 | 7142.825 | 3.965 |
| 4857.122 | 162.706 | 1.002 | 14.704 |
| 10/15/2016 1:00:00 AM | 183600.000 | 11.966 | 17.694 |
| 27.273 | 6149.110 | 7146.336 | 3.967 |
| 4859.508 | 162.625 | 1.002 | 14.702 |
| 10/15/2016 1:05:00 AM | 183900.000 | 11.964 | 17.694 |
| 27.270 | 6152.131 | 7149.905 | 3.970 |
| 4861.936 | 162.545 | 1.002 | 14.704 |
| 10/15/2016 1:10:00 AM | 184200.000 | 11.967 | 17.693 |
| 27.276 | 6155.833 | 7154.304 | 3.972 |
| 4864.927 | 162.448 | 1.002 | 14.706 |
| 10/15/2016 1:15:00 AM | 184500.000 | 11.961 | 17.693 |
| 27.262 | 6157.579 | 7156.276 | 3.973 |
| 4866.268 | 162.401 | 1.002 | 14.708 |
| 10/15/2016 1:20:00 AM | 184800.000 | 11.966 | 17.694 |
| 27.274 | 6160.889 | 7160.109 | 3.976 |
| 4868.874 | 162.314 | 1.002 | 14.709 |
| 10/15/2016 1:25:00 AM | 185100.000 | 11.962 | 17.694 |
| 27.266 | 6163.299 | 7162.854 | 3.977 |
| 4870.741 | 162.251 | 1.002 | 14.709 |
| 10/15/2016 1:30:00 AM | 185400.000 | 11.965 | 17.694 |
| 27.272 | 6165.610 | 7165.528 | 3.979 |
| 4872.560 | 162.190 | 1.002 | 14.709 |
| 10/15/2016 1:35:00 AM | 185700.000 | 11.966 | 17.694 |
| 27.275 | 6168.028 | 7168.380 | 3.981 |
| 4874.499 | 162.126 | 1.002 | 14.708 |
| 10/15/2016 1:40:00 AM | 186000.000 | 11.968 | 17.693 |
| 27.279 | 6169.977 | 7170.700 | 3.982 |
| 4876.076 | 162.075 | 1.002 | 14.708 |
| 10/15/2016 1:45:00 AM | 186300.000 | 11.966 | 17.693 |
| 27.275 | 6173.408 | 7174.672 | 3.984 |
| 4878.777 | 161.985 | 1.002 | 14.707 |
| 10/15/2016 1:50:00 AM | 186600.000 | 11.967 | 17.694 |
| 27.276 | 6175.780 | 7177.374 | 3.986 |
| 4880.614 | 161.923 | 1.002 | 14.707 |
| 10/15/2016 1:55:00 AM | 186900.000 | 11.968 | 17.693 |
| 27.279 | 6177.893 | 7179.900 | 3.987 |
| 4882.333 | 161.867 | 1.002 | 14.707 |
| 10/15/2016 2:00:00 AM | 187200.000 | 11.968 | 17.694 |
| 27.279 | 6179.386 | 7181.580 | 3.988 |
| 4883.474 | 161.828 | 1.002 | 14.706 |
| 10/15/2016 2:05:00 AM | 187500.000 | 11.972 | 17.693 |

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| 27.289 | 6181.860 | 7184.510 | 3.990 |
| 4885.467 | 161.764 | 1.002 | 14.709 |
| 10/15/2016 2:10:00 AM | 187800.000 | 11.964 | 17.694 |
| 27.269 | 6182.663 | 7185.388 | 3.991 |
| 4886.064 | 161.743 | 1.002 | 14.711 |
| 10/15/2016 2:15:00 AM | 188100.000 | 11.962 | 17.694 |
| 27.265 | 6185.741 | 7188.978 | 3.993 |
| 4888.505 | 161.662 | 1.002 | 14.713 |
| 10/15/2016 2:20:00 AM | 188400.000 | 11.966 | 17.694 |
| 27.275 | 6186.110 | 7189.394 | 3.993 |
| 4888.788 | 161.652 | 1.002 | 14.713 |
| 10/15/2016 2:25:00 AM | 188700.000 | 11.963 | 17.694 |
| 27.268 | 6188.634 | 7192.340 | 3.995 |
| 4890.792 | 161.587 | 1.002 | 14.712 |
| 10/15/2016 2:30:00 AM | 189000.000 | 11.968 | 17.694 |
| 27.279 | 6191.454 | 7195.575 | 3.997 |
| 4892.992 | 161.513 | 1.002 | 14.711 |
| 10/15/2016 2:35:00 AM | 189300.000 | 11.973 | 17.694 |
| 27.290 | 6192.526 | 7196.862 | 3.997 |
| 4893.867 | 161.485 | 1.002 | 14.708 |
| 10/15/2016 2:40:00 AM | 189600.000 | 11.970 | 17.694 |
| 27.283 | 6194.096 | 7198.646 | 3.998 |
| 4895.079 | 161.444 | 1.002 | 14.705 |
| 10/15/2016 2:45:00 AM | 189900.000 | 11.977 | 17.694 |
| 27.299 | 6195.514 | 7200.266 | 3.999 |
| 4896.182 | 161.407 | 1.002 | 14.702 |
| 10/15/2016 2:50:00 AM | 190200.000 | 11.970 | 17.694 |
| 27.282 | 6197.569 | 7202.697 | 4.001 |
| 4897.834 | 161.354 | 1.002 | 14.704 |
| 10/15/2016 2:55:00 AM | 190500.000 | 11.971 | 17.694 |
| 27.287 | 6199.575 | 7205.043 | 4.002 |
| 4899.429 | 161.301 | 1.002 | 14.705 |
| 10/15/2016 3:00:00 AM | 190800.000 | 11.967 | 17.694 |
| 27.277 | 6198.821 | 7204.125 | 4.002 |
| 4898.806 | 161.321 | 1.002 | 14.706 |
| 10/15/2016 3:05:00 AM | 191100.000 | 11.973 | 17.694 |
| 27.290 | 6200.470 | 7205.958 | 4.003 |
| 4900.052 | 161.278 | 1.002 | 14.705 |
| 10/15/2016 3:10:00 AM | 191400.000 | 11.970 | 17.694 |
| 27.283 | 6202.671 | 7208.557 | 4.004 |
| 4901.819 | 161.221 | 1.002 | 14.704 |
| 10/15/2016 3:15:00 AM | 191700.000 | 11.971 | 17.694 |
| 27.286 | 6203.799 | 7209.979 | 4.005 |
| 4902.786 | 161.192 | 1.002 | 14.704 |
| 10/15/2016 3:20:00 AM | 192000.000 | 11.974 | 17.694 |
| 27.293 | 6205.248 | 7211.606 | 4.006 |
| 4903.893 | 161.154 | 1.002 | 14.705 |
| 10/15/2016 3:25:00 AM | 192300.000 | 11.973 | 17.694 |
| 27.291 | 6205.967 | 7212.471 | 4.007 |
| 4904.481 | 161.135 | 1.002 | 14.706 |
| 10/15/2016 3:30:00 AM | 192600.000 | 11.972 | 17.694 |
| 27.287 | 6206.103 | 7212.587 | 4.007 |
| 4904.560 | 161.132 | 1.002 | 14.707 |
| 10/15/2016 3:35:00 AM | 192900.000 | 11.971 | 17.694 |
| 27.287 | 6207.853 | 7214.648 | 4.008 |
| 4905.960 | 161.086 | 1.002 | 14.707 |

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| 10/15/2016 3:40:00 AM | 193200.000 | 11.972 | 17.694 |
| 27.288 | 6208.940 | 7215.885 | 4.009 |
| 4906.803 | 161.058 | 1.002 | 14.706 |
| 10/15/2016 3:45:00 AM | 193500.000 | 11.972 | 17.694 |
| 27.287 | 6210.196 | 7217.414 | 4.010 |
| 4907.842 | 161.026 | 1.002 | 14.706 |
| 10/15/2016 3:50:00 AM | 193800.000 | 11.967 | 17.694 |
| 27.277 | 6209.906 | 7216.992 | 4.009 |
| 4907.555 | 161.033 | 1.002 | 14.705 |
| 10/15/2016 3:55:00 AM | 194100.000 | 11.967 | 17.694 |
| 27.277 | 6211.884 | 7219.264 | 4.011 |
| 4909.100 | 160.982 | 1.002 | 14.705 |
| 10/15/2016 4:00:00 AM | 194400.000 | 11.970 | 17.693 |
| 27.283 | 6214.083 | 7221.960 | 4.012 |
| 4910.934 | 160.925 | 1.002 | 14.704 |
| 10/15/2016 4:05:00 AM | 194700.000 | 11.973 | 17.694 |
| 27.291 | 6214.421 | 7222.268 | 4.013 |
| 4911.143 | 160.916 | 1.002 | 14.703 |
| 10/15/2016 4:10:00 AM | 195000.000 | 11.974 | 17.694 |
| 27.293 | 6214.861 | 7222.793 | 4.013 |
| 4911.500 | 160.905 | 1.002 | 14.701 |
| 10/15/2016 4:15:00 AM | 195300.000 | 11.976 | 17.694 |
| 27.297 | 6216.032 | 7224.111 | 4.014 |
| 4912.396 | 160.874 | 1.002 | 14.700 |
| 10/15/2016 4:20:00 AM | 195600.000 | 11.977 | 17.694 |
| 27.300 | 6216.421 | 7224.648 | 4.014 |
| 4912.762 | 160.864 | 1.002 | 14.698 |
| 10/15/2016 4:25:00 AM | 195900.000 | 11.979 | 17.694 |
| 27.304 | 6218.188 | 7226.674 | 4.015 |
| 4914.139 | 160.819 | 1.002 | 14.695 |
| 10/15/2016 4:30:00 AM | 196200.000 | 11.982 | 17.694 |
| 27.312 | 6219.217 | 7227.897 | 4.016 |
| 4914.970 | 160.792 | 1.002 | 14.693 |
| 10/15/2016 4:35:00 AM | 196500.000 | 11.983 | 17.694 |
| 27.313 | 6220.429 | 7229.180 | 4.017 |
| 4915.843 | 160.761 | 1.002 | 14.693 |
| 10/15/2016 4:40:00 AM | 196800.000 | 11.977 | 17.694 |
| 27.299 | 6219.974 | 7228.735 | 4.016 |
| 4915.540 | 160.772 | 1.002 | 14.693 |
| 10/15/2016 4:45:00 AM | 197100.000 | 11.976 | 17.694 |
| 27.297 | 6220.362 | 7229.160 | 4.017 |
| 4915.829 | 160.762 | 1.002 | 14.693 |
| 10/15/2016 4:50:00 AM | 197400.000 | 11.979 | 17.694 |
| 27.304 | 6222.661 | 7231.857 | 4.018 |
| 4917.663 | 160.703 | 1.002 | 14.694 |
| 10/15/2016 4:55:00 AM | 197700.000 | 11.973 | 17.694 |
| 27.291 | 6222.213 | 7231.295 | 4.018 |
| 4917.281 | 160.715 | 1.002 | 14.696 |
| 10/15/2016 5:00:00 AM | 198000.000 | 11.973 | 17.694 |
| 27.289 | 6224.209 | 7233.614 | 4.019 |
| 4918.858 | 160.663 | 1.002 | 14.697 |
| 10/15/2016 5:05:00 AM | 198300.000 | 11.979 | 17.694 |
| 27.304 | 6222.567 | 7231.707 | 4.018 |
| 4917.561 | 160.705 | 1.002 | 14.697 |
| 10/15/2016 5:10:00 AM | 198600.000 | 11.981 | 17.694 |
| 27.307 | 6223.726 | 7233.053 | 4.019 |

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| 4918.476 | 160.675 | 1.002 | 14.697 |
| 10/15/2016 5:15:00 AM | 198900.000 | 11.977 | 17.694 |
| 27.298 | 6224.682 | 7234.164 | 4.020 |
| 4919.232 | 160.651 | 1.002 | 14.697 |
| 10/15/2016 5:20:00 AM | 199200.000 | 11.980 | 17.694 |
| 27.307 | 6225.418 | 7235.036 | 4.020 |
| 4919.825 | 160.632 | 1.002 | 14.698 |
| 10/15/2016 5:25:00 AM | 199500.000 | 11.979 | 17.694 |
| 27.305 | 6225.539 | 7235.229 | 4.020 |
| 4919.956 | 160.629 | 1.002 | 14.699 |
| 10/15/2016 5:30:00 AM | 199800.000 | 11.974 | 17.694 |
| 27.292 | 6226.229 | 7235.936 | 4.021 |
| 4920.437 | 160.611 | 1.002 | 14.701 |
| 10/15/2016 5:35:00 AM | 200100.000 | 11.981 | 17.694 |
| 27.309 | 6226.091 | 7235.788 | 4.021 |
| 4920.336 | 160.614 | 1.002 | 14.699 |
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| 27.304 | 6226.580 | 7236.386 | 4.021 |
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| 4922.292 | 160.552 | 1.002 | 14.697 |
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| 4922.970 | 160.532 | 1.002 | 14.705 |
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| 4922.592 | 160.542 | 1.002 | 14.708 |
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| 27.293 | 6229.477 | 7239.737 | 4.023 |
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| 10/15/2016 6:25:00 AM | 203100.000 | 11.981 | 17.694 |
| 27.307 | 6230.302 | 7240.781 | 4.024 |
| 4923.731 | 160.506 | 1.002 | 14.707 |
| 10/15/2016 6:30:00 AM | 203400.000 | 11.981 | 17.694 |
| 27.308 | 6231.337 | 7241.927 | 4.024 |
| 4924.510 | 160.479 | 1.002 | 14.707 |
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| 27.297 | 6230.191 | 7240.681 | 4.023 |
| 4923.663 | 160.509 | 1.002 | 14.705 |
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| 27.313 | 6229.518 | 7239.842 | 4.023 |
| 4923.093 | 160.526 | 1.002 | 14.703 |
| 10/15/2016 6:45:00 AM | 204300.000 | 11.987 | 17.695 |

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| 4920.365 | 160.612 | 1.002 | 14.701 |
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| 27.316 | 6219.044 | 7227.612 | 4.016 |
| 4914.777 | 160.796 | 1.002 | 14.702 |
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| 4907.583 | 161.030 | 1.002 | 14.704 |
| 10/15/2016 7:00:00 AM | 205200.000 | 11.984 | 17.694 |
| 27.315 | 6199.664 | 7205.088 | 4.002 |
| 4899.460 | 161.299 | 1.002 | 14.705 |
| 10/15/2016 7:05:00 AM | 205500.000 | 11.986 | 17.694 |
| 27.320 | 6190.519 | 7194.392 | 3.996 |
| 4892.187 | 161.537 | 1.002 | 14.705 |
| 10/15/2016 7:10:00 AM | 205800.000 | 11.979 | 17.695 |
| 27.303 | 6181.950 | 7184.420 | 3.990 |
| 4885.406 | 161.761 | 1.002 | 14.705 |
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| 27.314 | 6173.056 | 7174.125 | 3.984 |
| 4878.405 | 161.994 | 1.002 | 14.706 |
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| 27.308 | 6166.872 | 7166.937 | 3.980 |
| 4873.518 | 162.157 | 1.002 | 14.704 |
| 10/15/2016 7:25:00 AM | 206700.000 | 11.984 | 17.695 |
| 27.315 | 6159.171 | 7157.918 | 3.974 |
| 4867.385 | 162.360 | 1.002 | 14.702 |
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| 27.330 | 6153.234 | 7151.006 | 3.970 |
| 4862.685 | 162.516 | 1.002 | 14.700 |
| 10/15/2016 7:35:00 AM | 207300.000 | 11.986 | 17.694 |
| 27.319 | 6146.657 | 7143.417 | 3.966 |
| 4857.524 | 162.690 | 1.002 | 14.701 |
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| 27.318 | 6140.401 | 7136.121 | 3.961 |
| 4852.563 | 162.856 | 1.002 | 14.701 |
| 10/15/2016 7:45:00 AM | 207900.000 | 11.984 | 17.695 |
| 27.316 | 6134.375 | 7129.089 | 3.957 |
| 4847.781 | 163.016 | 1.002 | 14.702 |
| 10/15/2016 7:50:00 AM | 208200.000 | 11.984 | 17.694 |
| 27.314 | 6131.193 | 7125.487 | 3.955 |
| 4845.331 | 163.100 | 1.002 | 14.702 |
| 10/15/2016 7:55:00 AM | 208500.000 | 11.982 | 17.694 |
| 27.310 | 6125.198 | 7118.479 | 3.951 |
| 4840.566 | 163.260 | 1.002 | 14.703 |
| 10/15/2016 8:00:00 AM | 208800.000 | 11.983 | 17.695 |
| 27.312 | 6120.441 | 7112.924 | 3.948 |
| 4836.789 | 163.387 | 1.002 | 14.703 |
| 10/15/2016 8:05:00 AM | 209100.000 | 11.982 | 17.694 |
| 27.311 | 6115.024 | 7106.696 | 3.944 |
| 4832.553 | 163.532 | 1.002 | 14.703 |
| 10/15/2016 8:10:00 AM | 209400.000 | 11.984 | 17.694 |
| 27.314 | 6110.722 | 7101.670 | 3.941 |
| 4829.136 | 163.647 | 1.002 | 14.702 |
| 10/15/2016 8:15:00 AM | 209700.000 | 11.982 | 17.694 |
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| 4825.663 | 163.764 | 1.002 | 14.702 |

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| 10/15/2016 8:20:00 AM | 210000.000 | 11.988 | 17.695 |
| 27.324 | 6102.771 | 7092.333 | 3.935 |
| 4822.786 | 163.860 | 1.002 | 14.701 |
| 10/15/2016 8:25:00 AM | 210300.000 | 11.984 | 17.694 |
| 27.315 | 6097.827 | 7086.724 | 3.932 |
| 4818.973 | 163.993 | 1.002 | 14.699 |
| 10/15/2016 8:30:00 AM | 210600.000 | 11.985 | 17.695 |
| 27.319 | 6094.518 | 7082.809 | 3.930 |
| 4816.311 | 164.082 | 1.002 | 14.698 |
| 10/15/2016 8:35:00 AM | 210900.000 | 11.990 | 17.695 |
| 27.329 | 6090.293 | 7077.887 | 3.927 |
| 4812.963 | 164.196 | 1.002 | 14.698 |
| 10/15/2016 8:40:00 AM | 211200.000 | 11.986 | 17.695 |
| 27.320 | 6085.401 | 7072.146 | 3.923 |
| 4809.060 | 164.328 | 1.002 | 14.697 |
| 10/15/2016 8:45:00 AM | 211500.000 | 11.986 | 17.694 |
| 27.319 | 6080.228 | 7066.243 | 3.920 |
| 4805.045 | 164.468 | 1.002 | 14.697 |
| 10/15/2016 8:50:00 AM | 211800.000 | 11.983 | 17.695 |
| 27.314 | 6076.684 | 7062.083 | 3.917 |
| 4802.217 | 164.563 | 1.002 | 14.700 |
| 10/15/2016 8:55:00 AM | 212100.000 | 11.986 | 17.695 |
| 27.320 | 6071.278 | 7055.801 | 3.914 |
| 4797.945 | 164.710 | 1.002 | 14.702 |
| 10/15/2016 9:00:00 AM | 212400.000 | 11.984 | 17.694 |
| 27.315 | 6068.731 | 7052.870 | 3.912 |
| 4795.952 | 164.779 | 1.002 | 14.704 |
| 10/15/2016 9:05:00 AM | 212700.000 | 11.986 | 17.694 |
| 27.319 | 6064.866 | 7048.417 | 3.909 |
| 4792.924 | 164.884 | 1.002 | 14.704 |
| 10/15/2016 9:10:00 AM | 213000.000 | 11.980 | 17.694 |
| 27.307 | 6060.433 | 7043.211 | 3.906 |
| 4789.384 | 165.005 | 1.002 | 14.704 |
| 10/15/2016 9:15:00 AM | 213300.000 | 11.987 | 17.695 |
| 27.322 | 6057.114 | 7039.300 | 3.904 |
| 4786.725 | 165.095 | 1.002 | 14.704 |
| 10/15/2016 9:20:00 AM | 213600.000 | 11.984 | 17.694 |
| 27.314 | 6052.890 | 7034.527 | 3.901 |
| 4783.479 | 165.210 | 1.002 | 14.704 |
| 10/15/2016 9:25:00 AM | 213900.000 | 11.988 | 17.695 |
| 27.325 | 6049.833 | 7030.879 | 3.899 |
| 4780.998 | 165.294 | 1.002 | 14.705 |
| 10/15/2016 9:30:00 AM | 214200.000 | 11.984 | 17.695 |
| 27.316 | 6045.477 | 7025.815 | 3.896 |
| 4777.555 | 165.413 | 1.002 | 14.705 |
| 10/15/2016 9:35:00 AM | 214500.000 | 11.981 | 17.694 |
| 27.308 | 6042.938 | 7022.962 | 3.894 |
| 4775.614 | 165.482 | 1.002 | 14.707 |
| 10/15/2016 9:40:00 AM | 214800.000 | 11.984 | 17.695 |
| 27.315 | 6037.530 | 7016.580 | 3.890 |
| 4771.274 | 165.631 | 1.002 | 14.709 |
| 10/15/2016 9:45:00 AM | 215100.000 | 11.982 | 17.694 |
| 27.311 | 6036.176 | 7015.021 | 3.890 |
| 4770.214 | 165.668 | 1.002 | 14.711 |
| 10/15/2016 9:50:00 AM | 215400.000 | 11.982 | 17.695 |
| 27.310 | 6031.996 | 7010.108 | 3.887 |

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| 4766.874 | 165.783 | 1.002 | 14.711 |
| 10/15/2016 9:55:00 AM | 215700.000 | 11.982 | 17.694 |
| 27.310 | 6029.219 | 7006.935 | 3.885 |
| 4764.716 | 165.859 | 1.002 | 14.711 |
| 10/15/2016 10:00:00 AM | 216000.000 | 11.984 | 17.694 |
| 27.316 | 6025.384 | 7002.504 | 3.882 |
| 4761.704 | 165.965 | 1.002 | 14.711 |
| 10/15/2016 10:05:00 AM | 216300.000 | 11.980 | 17.695 |
| 27.305 | 6022.555 | 6999.149 | 3.880 |
| 4759.422 | 166.042 | 1.002 | 14.711 |
| 10/15/2016 10:10:00 AM | 216600.000 | 11.985 | 17.695 |
| 27.317 | 6020.229 | 6996.433 | 3.879 |
| 4757.575 | 166.107 | 1.002 | 14.711 |
| 10/15/2016 10:15:00 AM | 216900.000 | 11.984 | 17.695 |
| 27.316 | 6017.540 | 6993.348 | 3.877 |
| 4755.477 | 166.181 | 1.002 | 14.711 |
| 10/15/2016 10:20:00 AM | 217200.000 | 11.984 | 17.694 |
| 27.315 | 6013.227 | 6988.376 | 3.874 |
| 4752.097 | 166.300 | 1.002 | 14.711 |
| 10/15/2016 10:25:00 AM | 217500.000 | 11.985 | 17.695 |
| 27.318 | 6011.291 | 6986.074 | 3.872 |
| 4750.531 | 166.354 | 1.002 | 14.711 |
| 10/15/2016 10:30:00 AM | 217800.000 | 11.985 | 17.694 |
| 27.317 | 6009.509 | 6984.055 | 3.871 |
| 4749.158 | 166.403 | 1.002 | 14.712 |
| 10/15/2016 10:35:00 AM | 218100.000 | 11.985 | 17.695 |
| 27.317 | 6005.696 | 6979.491 | 3.868 |
| 4746.055 | 166.509 | 1.002 | 14.711 |
| 10/15/2016 10:40:00 AM | 218400.000 | 11.982 | 17.694 |
| 27.311 | 6003.565 | 6977.147 | 3.867 |
| 4744.460 | 166.568 | 1.002 | 14.711 |
| 10/15/2016 10:45:00 AM | 218700.000 | 11.987 | 17.694 |
| 27.323 | 6001.234 | 6974.413 | 3.865 |
| 4742.602 | 166.632 | 1.002 | 14.710 |
| 10/15/2016 10:50:00 AM | 219000.000 | 11.986 | 17.694 |
| 27.320 | 5998.522 | 6971.276 | 3.864 |
| 4740.468 | 166.708 | 1.002 | 14.710 |
| 10/15/2016 10:55:00 AM | 219300.000 | 11.986 | 17.694 |
| 27.319 | 5995.770 | 6968.062 | 3.862 |
| 4738.283 | 166.784 | 1.002 | 14.710 |
| 10/15/2016 11:00:00 AM | 219600.000 | 11.981 | 17.695 |
| 27.309 | 5993.703 | 6965.619 | 3.860 |
| 4736.621 | 166.842 | 1.002 | 14.709 |
| 10/15/2016 11:05:00 AM | 219900.000 | 11.981 | 17.694 |
| 27.310 | 5991.178 | 6962.779 | 3.859 |
| 4734.690 | 166.912 | 1.002 | 14.709 |
| 10/15/2016 11:10:00 AM | 220200.000 | 11.986 | 17.694 |
| 27.321 | 5989.448 | 6960.781 | 3.857 |
| 4733.331 | 166.960 | 1.002 | 14.709 |
| 10/15/2016 11:15:00 AM | 220500.000 | 11.983 | 17.694 |
| 27.314 | 5986.813 | 6957.706 | 3.856 |
| 4731.240 | 167.034 | 1.002 | 14.710 |
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| 27.313 | 5984.505 | 6954.957 | 3.854 |
| 4729.371 | 167.098 | 1.002 | 14.707 |
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| 4727.746 | 167.156 | 1.002 | 14.705 |
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| 4726.168 | 167.210 | 1.002 | 14.703 |
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| 4724.931 | 167.255 | 1.002 | 14.702 |
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| 4723.928 | 167.291 | 1.002 | 14.700 |
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| 27.312 | 5974.513 | 6943.398 | 3.847 |
| 4721.511 | 167.378 | 1.002 | 14.699 |
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| 27.311 | 5972.349 | 6940.883 | 3.846 |
| 4719.800 | 167.438 | 1.002 | 14.699 |
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| 27.308 | 5971.227 | 6939.580 | 3.845 |
| 4718.915 | 167.470 | 1.002 | 14.698 |
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| 4717.177 | 167.531 | 1.002 | 14.698 |
| 10/15/2016 12:05:00 PM | 223500.000 | 11.984 | 17.695 |
| 27.314 | 5967.178 | 6934.820 | 3.842 |
| 4715.678 | 167.583 | 1.002 | 14.697 |
| 10/15/2016 12:10:00 PM | 223800.000 | 11.982 | 17.695 |
| 27.311 | 5966.346 | 6933.853 | 3.841 |
| 4715.020 | 167.607 | 1.002 | 14.696 |
| 10/15/2016 12:15:00 PM | 224100.000 | 11.978 | 17.694 |
| 27.302 | 5965.849 | 6933.342 | 3.841 |
| 4714.672 | 167.621 | 1.002 | 14.694 |
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| 27.313 | 5963.912 | 6931.012 | 3.840 |
| 4713.088 | 167.675 | 1.002 | 14.694 |
| 10/15/2016 12:25:00 PM | 224700.000 | 11.977 | 17.694 |
| 27.298 | 5962.170 | 6929.120 | 3.839 |
| 4711.802 | 167.724 | 1.002 | 14.694 |
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| 27.301 | 5961.044 | 6927.720 | 3.838 |
| 4710.850 | 167.756 | 1.002 | 14.693 |
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| 4709.883 | 167.791 | 1.002 | 14.693 |
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| 4707.768 | 167.867 | 1.002 | 14.693 |
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| 27.301 | 5956.139 | 6922.030 | 3.834 |
| 4706.980 | 167.894 | 1.002 | 14.693 |
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| 27.305 | 5954.486 | 6920.136 | 3.833 |
| 4705.693 | 167.941 | 1.002 | 14.690 |

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| 10/15/2016 1:00:00 PM | 226800.000 | 11.973 | 17.695 |
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| 4704.145 | 167.994 | 1.002 | 14.689 |
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| 27.310 | 5950.244 | 6915.153 | 3.830 |
| 4702.304 | 168.060 | 1.002 | 14.681 |
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| 27.300 | 5949.873 | 6914.762 | 3.830 |
| 4702.038 | 168.071 | 1.002 | 14.677 |
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| 27.307 | 5948.167 | 6912.765 | 3.829 |
| 4700.680 | 168.119 | 1.002 | 14.677 |
| 10/15/2016 1:25:00 PM | 228300.000 | 11.979 | 17.694 |
| 27.304 | 5947.825 | 6912.408 | 3.829 |
| 4700.438 | 168.129 | 1.002 | 14.677 |
| 10/15/2016 1:30:00 PM | 228600.000 | 11.975 | 17.694 |
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| 4699.332 | 168.167 | 1.002 | 14.677 |
| 10/15/2016 1:35:00 PM | 228900.000 | 11.978 | 17.695 |
| 27.302 | 5946.078 | 6910.286 | 3.828 |
| 4698.995 | 168.178 | 1.002 | 14.675 |
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| 4698.042 | 168.214 | 1.002 | 14.674 |
| 10/15/2016 1:45:00 PM | 229500.000 | 11.978 | 17.695 |
| 27.301 | 5944.685 | 6908.652 | 3.827 |
| 4697.884 | 168.217 | 1.002 | 14.672 |
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| 4696.928 | 168.252 | 1.002 | 14.671 |
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| 27.309 | 5943.527 | 6907.321 | 3.826 |
| 4696.979 | 168.250 | 1.002 | 14.671 |
| 10/15/2016 2:00:00 PM | 230400.000 | 11.978 | 17.694 |
| 27.302 | 5942.004 | 6905.617 | 3.825 |
| 4695.820 | 168.293 | 1.002 | 14.670 |
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| 27.294 | 5941.375 | 6904.872 | 3.824 |
| 4695.313 | 168.311 | 1.002 | 14.669 |
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| 27.301 | 5941.140 | 6904.587 | 3.824 |
| 4695.120 | 168.318 | 1.002 | 14.668 |
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| 27.297 | 5940.162 | 6903.396 | 3.823 |
| 4694.309 | 168.346 | 1.002 | 14.667 |
| 10/15/2016 2:20:00 PM | 231600.000 | 11.978 | 17.694 |
| 27.300 | 5940.107 | 6903.413 | 3.823 |
| 4694.321 | 168.347 | 1.002 | 14.664 |
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| 27.300 | 5941.341 | 6904.822 | 3.824 |
| 4695.279 | 168.312 | 1.002 | 14.661 |
| 10/15/2016 2:30:00 PM | 232200.000 | 11.982 | 17.694 |
| 27.312 | 5945.707 | 6910.001 | 3.827 |

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| 27.316 | 5958.808 | 6925.199 | 3.836 |
| 4709.136 | 167.819 | 1.002 | 14.656 |
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| 27.321 | 5974.340 | 6943.264 | 3.847 |
| 4721.420 | 167.383 | 1.002 | 14.654 |
| 10/15/2016 2:45:00 PM | 233100.000 | 11.989 | 17.694 |
| 27.327 | 5988.009 | 6959.191 | 3.856 |
| 4732.250 | 167.000 | 1.002 | 14.651 |
| 10/15/2016 2:50:00 PM | 233400.000 | 11.985 | 17.694 |
| 27.317 | 5999.851 | 6972.872 | 3.865 |
| 4741.553 | 166.671 | 1.002 | 14.654 |
| 10/15/2016 2:55:00 PM | 233700.000 | 11.980 | 17.694 |
| 27.306 | 6011.092 | 6986.018 | 3.872 |
| 4750.493 | 166.359 | 1.002 | 14.656 |
| 10/15/2016 3:00:00 PM | 234000.000 | 11.978 | 17.694 |
| 27.302 | 6021.686 | 6998.288 | 3.880 |
| 4758.836 | 166.066 | 1.002 | 14.659 |
| 10/15/2016 3:05:00 PM | 234300.000 | 11.977 | 17.694 |
| 27.300 | 6029.167 | 7006.983 | 3.885 |
| 4764.749 | 165.860 | 1.002 | 14.661 |
| 10/15/2016 3:10:00 PM | 234600.000 | 11.978 | 17.694 |
| 27.303 | 6040.145 | 7019.767 | 3.892 |
| 4773.442 | 165.559 | 1.002 | 14.663 |
| 10/15/2016 3:15:00 PM | 234900.000 | 11.975 | 17.694 |
| 27.294 | 6047.059 | 7027.802 | 3.897 |
| 4778.906 | 165.370 | 1.002 | 14.664 |
| 10/15/2016 3:20:00 PM | 235200.000 | 11.979 | 17.693 |
| 27.304 | 6052.622 | 7034.296 | 3.901 |
| 4783.321 | 165.218 | 1.002 | 14.664 |
| 10/15/2016 3:25:00 PM | 235500.000 | 11.976 | 17.694 |
| 27.297 | 6061.031 | 7044.029 | 3.907 |
| 4789.940 | 164.988 | 1.002 | 14.663 |
| 10/15/2016 3:30:00 PM | 235800.000 | 11.975 | 17.694 |
| 27.295 | 6066.780 | 7050.696 | 3.911 |
| 4794.473 | 164.832 | 1.002 | 14.663 |
| 10/15/2016 3:35:00 PM | 236100.000 | 11.975 | 17.694 |
| 27.296 | 6073.535 | 7058.587 | 3.915 |
| 4799.839 | 164.649 | 1.002 | 14.662 |
| 10/15/2016 3:40:00 PM | 236400.000 | 11.978 | 17.694 |
| 27.302 | 6078.411 | 7064.228 | 3.919 |
| 4803.676 | 164.517 | 1.002 | 14.661 |
| 10/15/2016 3:45:00 PM | 236700.000 | 11.980 | 17.693 |
| 27.307 | 6084.310 | 7071.123 | 3.923 |
| 4808.364 | 164.357 | 1.002 | 14.660 |
| 10/15/2016 3:50:00 PM | 237000.000 | 11.980 | 17.694 |
| 27.306 | 6088.616 | 7076.115 | 3.926 |
| 4811.758 | 164.241 | 1.002 | 14.658 |
| 10/15/2016 3:55:00 PM | 237300.000 | 11.982 | 17.694 |
| 27.311 | 6093.959 | 7082.310 | 3.929 |
| 4815.971 | 164.097 | 1.002 | 14.657 |
| 10/15/2016 4:00:00 PM | 237600.000 | 11.987 | 17.694 |
| 27.322 | 6098.933 | 7088.090 | 3.933 |
| 4819.901 | 163.963 | 1.002 | 14.655 |
| 10/15/2016 4:05:00 PM | 237900.000 | 11.982 | 17.693 |

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|---|---|---|---|
| 27.310 | 6103.547 | 7093.509 | 3.936 |
| 4823.586 | 163.839 | 1.002 | 14.656 |
| 10/15/2016 4:10:00 PM | 238200.000 | 11.986 | 17.694 |
| 27.320 | 6108.406 | 7099.087 | 3.939 |
| 4827.380 | 163.709 | 1.002 | 14.658 |
| 10/15/2016 4:15:00 PM | 238500.000 | 11.981 | 17.693 |
| 27.308 | 6112.689 | 7104.105 | 3.942 |
| 4830.792 | 163.594 | 1.002 | 14.659 |
| 10/15/2016 4:20:00 PM | 238800.000 | 11.980 | 17.693 |
| 27.306 | 6118.041 | 7110.340 | 3.946 |
| 4835.032 | 163.451 | 1.002 | 14.663 |
| 10/15/2016 4:25:00 PM | 239100.000 | 11.980 | 17.693 |
| 27.306 | 6121.420 | 7114.281 | 3.948 |
| 4837.711 | 163.361 | 1.002 | 14.666 |
| 10/15/2016 4:30:00 PM | 239400.000 | 11.977 | 17.693 |
| 27.299 | 6125.536 | 7119.078 | 3.951 |
| 4840.973 | 163.251 | 1.002 | 14.669 |
| 10/15/2016 4:35:00 PM | 239700.000 | 11.980 | 17.694 |
| 27.305 | 6129.289 | 7123.369 | 3.954 |
| 4843.891 | 163.151 | 1.002 | 14.671 |
| 10/15/2016 4:40:00 PM | 240000.000 | 11.981 | 17.694 |
| 27.307 | 6132.040 | 7126.554 | 3.956 |
| 4846.058 | 163.078 | 1.002 | 14.673 |
| 10/15/2016 4:45:00 PM | 240300.000 | 11.974 | 17.693 |
| 27.293 | 6135.950 | 7131.181 | 3.958 |
| 4849.204 | 162.974 | 1.002 | 14.674 |
| 10/15/2016 4:50:00 PM | 240600.000 | 11.981 | 17.693 |
| 27.309 | 6138.823 | 7134.507 | 3.960 |
| 4851.465 | 162.898 | 1.002 | 14.672 |
| 10/15/2016 4:55:00 PM | 240900.000 | 11.984 | 17.694 |
| 27.315 | 6141.043 | 7136.977 | 3.962 |
| 4853.145 | 162.839 | 1.002 | 14.669 |
| 10/15/2016 5:00:00 PM | 241200.000 | 11.983 | 17.694 |
| 27.312 | 6143.317 | 7139.688 | 3.963 |
| 4854.988 | 162.779 | 1.002 | 14.667 |
| 10/15/2016 5:05:00 PM | 241500.000 | 11.982 | 17.694 |
| 27.311 | 6145.757 | 7142.497 | 3.965 |
| 4856.898 | 162.714 | 1.002 | 14.667 |
| 10/15/2016 5:10:00 PM | 241800.000 | 11.988 | 17.694 |
| 27.325 | 6147.927 | 7145.045 | 3.967 |
| 4858.631 | 162.656 | 1.002 | 14.668 |
| 10/15/2016 5:15:00 PM | 242100.000 | 11.983 | 17.694 |
| 27.313 | 6151.738 | 7149.459 | 3.969 |
| 4861.632 | 162.556 | 1.002 | 14.668 |
| 10/15/2016 5:20:00 PM | 242400.000 | 11.987 | 17.694 |
| 27.321 | 6154.609 | 7152.811 | 3.971 |
| 4863.911 | 162.480 | 1.002 | 14.669 |
| 10/15/2016 5:25:00 PM | 242700.000 | 11.981 | 17.694 |
| 27.309 | 6154.596 | 7152.795 | 3.971 |
| 4863.901 | 162.480 | 1.002 | 14.670 |
| 10/15/2016 5:30:00 PM | 243000.000 | 11.986 | 17.694 |
| 27.319 | 6158.751 | 7157.610 | 3.974 |
| 4867.176 | 162.371 | 1.002 | 14.670 |
| 10/15/2016 5:35:00 PM | 243300.000 | 11.983 | 17.693 |
| 27.314 | 6160.681 | 7159.881 | 3.975 |
| 4868.720 | 162.320 | 1.002 | 14.670 |

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|---|---|---|---|
| 10/15/2016 5:40:00 PM | 243600.000 | 11.980 | 17.693 |
| 27.306 | 6162.155 | 7161.623 | 3.977 |
| 4869.903 | 162.281 | 1.002 | 14.669 |
| 10/15/2016 5:45:00 PM | 243900.000 | 11.987 | 17.693 |
| 27.323 | 6164.866 | 7164.760 | 3.978 |
| 4872.037 | 162.210 | 1.002 | 14.668 |
| 10/15/2016 5:50:00 PM | 244200.000 | 11.983 | 17.694 |
| 27.313 | 6167.976 | 7168.261 | 3.980 |
| 4874.418 | 162.128 | 1.002 | 14.667 |
| 10/15/2016 5:55:00 PM | 244500.000 | 11.986 | 17.693 |
| 27.320 | 6168.939 | 7169.494 | 3.981 |
| 4875.256 | 162.102 | 1.002 | 14.666 |
| 10/15/2016 6:00:00 PM | 244800.000 | 11.992 | 17.693 |
| 27.334 | 6169.680 | 7170.381 | 3.982 |
| 4875.860 | 162.083 | 1.002 | 14.664 |
| 10/15/2016 6:05:00 PM | 245100.000 | 11.995 | 17.694 |
| 27.340 | 6172.874 | 7173.981 | 3.984 |
| 4878.308 | 161.999 | 1.002 | 14.662 |
| 10/15/2016 6:10:00 PM | 245400.000 | 11.994 | 17.694 |
| 27.338 | 6175.032 | 7176.490 | 3.985 |
| 4880.014 | 161.942 | 1.002 | 14.660 |
| 10/15/2016 6:15:00 PM | 245700.000 | 11.989 | 17.694 |
| 27.327 | 6176.774 | 7178.529 | 3.987 |
| 4881.399 | 161.897 | 1.002 | 14.659 |
| 10/15/2016 6:20:00 PM | 246000.000 | 11.995 | 17.694 |
| 27.339 | 6177.350 | 7179.198 | 3.987 |
| 4881.854 | 161.882 | 1.002 | 14.659 |
| 10/15/2016 6:25:00 PM | 246300.000 | 11.989 | 17.694 |
| 27.327 | 6177.830 | 7179.756 | 3.987 |
| 4882.234 | 161.869 | 1.002 | 14.660 |
| 10/15/2016 6:30:00 PM | 246600.000 | 11.991 | 17.694 |
| 27.332 | 6181.023 | 7183.482 | 3.989 |
| 4884.768 | 161.786 | 1.002 | 14.660 |
| 10/15/2016 6:35:00 PM | 246900.000 | 11.989 | 17.694 |
| 27.326 | 6181.796 | 7184.393 | 3.990 |
| 4885.387 | 161.765 | 1.002 | 14.661 |
| 10/15/2016 6:40:00 PM | 247200.000 | 11.994 | 17.694 |
| 27.337 | 6184.994 | 7188.082 | 3.992 |
| 4887.896 | 161.682 | 1.002 | 14.662 |
| 10/15/2016 6:45:00 PM | 247500.000 | 11.993 | 17.694 |
| 27.335 | 6185.333 | 7188.490 | 3.992 |
| 4888.173 | 161.673 | 1.002 | 14.663 |
| 10/15/2016 6:50:00 PM | 247800.000 | 11.991 | 17.694 |
| 27.332 | 6187.190 | 7190.661 | 3.994 |
| 4889.650 | 161.624 | 1.002 | 14.663 |
| 10/15/2016 6:55:00 PM | 248100.000 | 11.993 | 17.694 |
| 27.335 | 6187.756 | 7191.292 | 3.994 |
| 4890.079 | 161.609 | 1.002 | 14.662 |
| 10/15/2016 7:00:00 PM | 248400.000 | 11.992 | 17.694 |
| 27.334 | 6189.402 | 7193.206 | 3.995 |
| 4891.380 | 161.566 | 1.002 | 14.662 |
| 10/15/2016 7:05:00 PM | 248700.000 | 11.989 | 17.694 |
| 27.327 | 6192.073 | 7196.324 | 3.997 |
| 4893.501 | 161.497 | 1.002 | 14.661 |
| 10/15/2016 7:10:00 PM | 249000.000 | 11.993 | 17.694 |
| 27.335 | 6192.329 | 7196.581 | 3.997 |

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|---|---|---|---|
| 4893.675 | 161.490 | 1.002 | 14.660 |
| 10/15/2016 7:15:00 PM | 249300.000 | 11.989 | 17.694 |
| 27.327 | 6193.355 | 7197.814 | 3.998 |
| 4894.514 | 161.463 | 1.002 | 14.660 |
| 10/15/2016 7:20:00 PM | 249600.000 | 11.994 | 17.693 |
| 27.337 | 6195.080 | 7199.874 | 3.999 |
| 4895.915 | 161.418 | 1.002 | 14.658 |
| 10/15/2016 7:25:00 PM | 249900.000 | 11.996 | 17.694 |
| 27.342 | 6196.349 | 7201.278 | 4.000 |
| 4896.869 | 161.385 | 1.002 | 14.657 |
| 10/15/2016 7:30:00 PM | 250200.000 | 11.998 | 17.694 |
| 27.348 | 6196.598 | 7201.525 | 4.000 |
| 4897.038 | 161.379 | 1.002 | 14.655 |
| 10/15/2016 7:35:00 PM | 250500.000 | 11.995 | 17.693 |
| 27.340 | 6196.661 | 7201.697 | 4.000 |
| 4897.154 | 161.377 | 1.002 | 14.658 |
| 10/15/2016 7:40:00 PM | 250800.000 | 11.998 | 17.693 |
| 27.346 | 6198.961 | 7204.386 | 4.002 |
| 4898.982 | 161.317 | 1.002 | 14.660 |
| 10/15/2016 7:45:00 PM | 251100.000 | 11.993 | 17.694 |
| 27.336 | 6199.606 | 7205.080 | 4.002 |
| 4899.454 | 161.301 | 1.002 | 14.662 |
| 10/15/2016 7:50:00 PM | 251400.000 | 11.994 | 17.694 |
| 27.339 | 6200.892 | 7206.573 | 4.003 |
| 4900.470 | 161.267 | 1.002 | 14.664 |
| 10/15/2016 7:55:00 PM | 251700.000 | 11.992 | 17.694 |
| 27.332 | 6200.441 | 7206.049 | 4.003 |
| 4900.114 | 161.279 | 1.002 | 14.665 |
| 10/15/2016 8:00:00 PM | 252000.000 | 11.990 | 17.694 |
| 27.329 | 6202.696 | 7208.655 | 4.004 |
| 4901.886 | 161.220 | 1.002 | 14.667 |
| 10/15/2016 8:05:00 PM | 252300.000 | 11.994 | 17.693 |
| 27.337 | 6202.823 | 7208.887 | 4.005 |
| 4902.043 | 161.217 | 1.002 | 14.667 |
| 10/15/2016 8:10:00 PM | 252600.000 | 11.997 | 17.694 |
| 27.344 | 6204.167 | 7210.339 | 4.005 |
| 4903.030 | 161.182 | 1.002 | 14.666 |
| 10/15/2016 8:15:00 PM | 252900.000 | 11.993 | 17.694 |
| 27.335 | 6204.780 | 7211.034 | 4.006 |
| 4903.503 | 161.166 | 1.002 | 14.666 |
| 10/15/2016 8:20:00 PM | 253200.000 | 11.995 | 17.694 |
| 27.340 | 6204.519 | 7210.731 | 4.006 |
| 4903.297 | 161.173 | 1.002 | 14.667 |
| 10/15/2016 8:25:00 PM | 253500.000 | 11.992 | 17.694 |
| 27.333 | 6205.440 | 7211.871 | 4.006 |
| 4904.072 | 161.149 | 1.002 | 14.669 |
| 10/15/2016 8:30:00 PM | 253800.000 | 11.986 | 17.693 |
| 27.319 | 6206.139 | 7212.712 | 4.007 |
| 4904.645 | 161.131 | 1.002 | 14.670 |
| 10/15/2016 8:35:00 PM | 254100.000 | 11.994 | 17.694 |
| 27.337 | 6206.324 | 7212.871 | 4.007 |
| 4904.753 | 161.126 | 1.002 | 14.668 |
| 10/15/2016 8:40:00 PM | 254400.000 | 11.996 | 17.694 |
| 27.344 | 6207.779 | 7214.478 | 4.008 |
| 4905.846 | 161.088 | 1.002 | 14.665 |
| 10/15/2016 8:45:00 PM | 254700.000 | 12.000 | 17.694 |

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|---|---|---|---|
| 27.353 | 6207.414 | 7214.138 | 4.008 |
| 4905.614 | 161.098 | 1.002 | 14.663 |
| 10/15/2016 8:50:00 PM | 255000.000 | 12.000 | 17.694 |
| 27.351 | 6207.924 | 7214.705 | 4.008 |
| 4905.999 | 161.084 | 1.002 | 14.666 |
| 10/15/2016 8:55:00 PM | 255300.000 | 11.992 | 17.694 |
| 27.334 | 6209.355 | 7216.338 | 4.009 |
| 4907.110 | 161.047 | 1.002 | 14.669 |
| 10/15/2016 9:00:00 PM | 255600.000 | 11.993 | 17.693 |
| 27.335 | 6208.440 | 7215.387 | 4.008 |
| 4906.463 | 161.071 | 1.002 | 14.672 |
| 10/15/2016 9:05:00 PM | 255900.000 | 11.990 | 17.694 |
| 27.328 | 6209.201 | 7216.257 | 4.009 |
| 4907.055 | 161.051 | 1.002 | 14.671 |
| 10/15/2016 9:10:00 PM | 256200.000 | 11.996 | 17.694 |
| 27.343 | 6210.248 | 7217.459 | 4.010 |
| 4907.872 | 161.024 | 1.002 | 14.671 |
| 10/15/2016 9:15:00 PM | 256500.000 | 11.999 | 17.694 |
| 27.350 | 6210.689 | 7217.986 | 4.010 |
| 4908.231 | 161.013 | 1.002 | 14.670 |
| 10/15/2016 9:20:00 PM | 256800.000 | 11.996 | 17.694 |
| 27.344 | 6209.624 | 7216.749 | 4.009 |
| 4907.389 | 161.040 | 1.002 | 14.668 |
| 10/15/2016 9:25:00 PM | 257100.000 | 12.004 | 17.694 |
| 27.360 | 6211.649 | 7219.087 | 4.011 |
| 4908.979 | 160.988 | 1.002 | 14.666 |
| 10/15/2016 9:30:00 PM | 257400.000 | 12.005 | 17.694 |
| 27.362 | 6211.101 | 7218.465 | 4.010 |
| 4908.557 | 161.002 | 1.002 | 14.664 |
| 10/15/2016 9:35:00 PM | 257700.000 | 12.004 | 17.694 |
| 27.361 | 6211.188 | 7218.497 | 4.010 |
| 4908.579 | 161.000 | 1.002 | 14.666 |
| 10/15/2016 9:40:00 PM | 258000.000 | 12.000 | 17.694 |
| 27.352 | 6210.791 | 7218.048 | 4.010 |
| 4908.273 | 161.010 | 1.002 | 14.667 |
| 10/15/2016 9:45:00 PM | 258300.000 | 12.001 | 17.694 |
| 27.354 | 6212.272 | 7219.812 | 4.011 |
| 4909.472 | 160.972 | 1.002 | 14.669 |
| 10/15/2016 9:50:00 PM | 258600.000 | 12.003 | 17.694 |
| 27.358 | 6212.847 | 7220.396 | 4.011 |
| 4909.870 | 160.957 | 1.002 | 14.672 |
| 10/15/2016 9:55:00 PM | 258900.000 | 11.997 | 17.694 |
| 27.346 | 6212.549 | 7220.148 | 4.011 |
| 4909.701 | 160.965 | 1.002 | 14.676 |
| 10/15/2016 10:00:00 PM | 259200.000 | 12.001 | 17.694 |
| 27.353 | 6213.016 | 7220.593 | 4.012 |
| 4910.003 | 160.952 | 1.002 | 14.679 |
| 10/15/2016 10:05:00 PM | 259500.000 | 12.002 | 17.694 |
| 27.355 | 6213.347 | 7220.964 | 4.012 |
| 4910.255 | 160.944 | 1.002 | 14.677 |
| 10/15/2016 10:10:00 PM | 259800.000 | 11.999 | 17.694 |
| 27.350 | 6212.531 | 7220.029 | 4.011 |
| 4909.620 | 160.965 | 1.002 | 14.674 |
| 10/15/2016 10:15:00 PM | 260100.000 | 12.000 | 17.694 |
| 27.352 | 6213.543 | 7221.235 | 4.012 |
| 4910.440 | 160.939 | 1.002 | 14.672 |

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|---|---|---|---|
| 10/15/2016 10:20:00 PM | 260400.000 | 12.001 | 17.694 |
| 27.354 | 6214.017 | 7221.812 | 4.012 |
| 4910.833 | 160.926 | 1.002 | 14.671 |
| 10/15/2016 10:25:00 PM | 260700.000 | 12.001 | 17.694 |
| 27.355 | 6214.592 | 7222.438 | 4.013 |
| 4911.258 | 160.912 | 1.002 | 14.670 |
| 10/15/2016 10:30:00 PM | 261000.000 | 12.003 | 17.694 |
| 27.359 | 6213.833 | 7221.556 | 4.012 |
| 4910.658 | 160.931 | 1.002 | 14.669 |
| 10/15/2016 10:35:00 PM | 261300.000 | 12.005 | 17.694 |
| 27.362 | 6214.808 | 7222.758 | 4.013 |
| 4911.476 | 160.906 | 1.002 | 14.670 |
| 10/15/2016 10:40:00 PM | 261600.000 | 12.005 | 17.694 |
| 27.362 | 6213.482 | 7221.205 | 4.012 |
| 4910.419 | 160.940 | 1.002 | 14.671 |
| 10/15/2016 10:45:00 PM | 261900.000 | 12.004 | 17.694 |
| 27.361 | 6214.412 | 7222.244 | 4.013 |
| 4911.126 | 160.916 | 1.002 | 14.672 |
| 10/15/2016 10:50:00 PM | 262200.000 | 12.003 | 17.694 |
| 27.359 | 6214.150 | 7221.982 | 4.012 |
| 4910.948 | 160.923 | 1.002 | 14.671 |
| 10/15/2016 10:55:00 PM | 262500.000 | 12.002 | 17.694 |
| 27.357 | 6214.704 | 7222.625 | 4.013 |
| 4911.386 | 160.909 | 1.002 | 14.670 |
| 10/15/2016 11:00:00 PM | 262800.000 | 12.008 | 17.694 |
| 27.369 | 6215.176 | 7223.145 | 4.013 |
| 4911.739 | 160.896 | 1.002 | 14.670 |
| 10/15/2016 11:05:00 PM | 263100.000 | 12.004 | 17.694 |
| 27.360 | 6215.319 | 7223.340 | 4.013 |
| 4911.872 | 160.893 | 1.002 | 14.670 |
| 10/15/2016 11:10:00 PM | 263400.000 | 12.009 | 17.694 |
| 27.372 | 6216.208 | 7224.333 | 4.014 |
| 4912.547 | 160.870 | 1.002 | 14.671 |
| 10/15/2016 11:15:00 PM | 263700.000 | 12.005 | 17.694 |
| 27.364 | 6216.283 | 7224.390 | 4.014 |
| 4912.585 | 160.868 | 1.002 | 14.671 |
| 10/15/2016 11:20:00 PM | 264000.000 | 12.009 | 17.694 |
| 27.373 | 6216.382 | 7224.535 | 4.014 |
| 4912.684 | 160.865 | 1.002 | 14.673 |
| 10/15/2016 11:25:00 PM | 264300.000 | 12.003 | 17.694 |
| 27.359 | 6216.917 | 7225.141 | 4.014 |
| 4913.096 | 160.851 | 1.002 | 14.674 |
| 10/15/2016 11:30:00 PM | 264600.000 | 12.003 | 17.694 |
| 27.359 | 6216.503 | 7224.687 | 4.014 |
| 4912.788 | 160.862 | 1.002 | 14.675 |
| 10/15/2016 11:35:00 PM | 264900.000 | 12.002 | 17.694 |
| 27.356 | 6217.158 | 7225.393 | 4.014 |
| 4913.267 | 160.845 | 1.002 | 14.676 |
| 10/15/2016 11:40:00 PM | 265200.000 | 12.006 | 17.694 |
| 27.365 | 6216.916 | 7225.155 | 4.014 |
| 4913.105 | 160.851 | 1.002 | 14.676 |
| 10/15/2016 11:45:00 PM | 265500.000 | 12.006 | 17.694 |
| 27.366 | 6216.151 | 7224.334 | 4.014 |
| 4912.547 | 160.871 | 1.002 | 14.677 |
| 10/15/2016 11:50:00 PM | 265800.000 | 12.007 | 17.694 |
| 27.367 | 6217.129 | 7225.386 | 4.014 |

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|---|---|---|---|
| 4913.263 | 160.846 | 1.002 | 14.677 |
| 10/15/2016 11:55:00 PM | 266100.000 | 12.010 | 17.694 |
| 27.374 | 6217.142 | 7225.359 | 4.014 |
| 4913.245 | 160.846 | 1.002 | 14.678 |
| 10/16/2016 12:00:00 AM | 266400.000 | 12.006 | 17.694 |
| 27.366 | 6218.046 | 7226.452 | 4.015 |
| 4913.988 | 160.822 | 1.002 | 14.678 |
| 10/16/2016 12:05:00 AM | 266700.000 | 12.006 | 17.694 |
| 27.364 | 6217.251 | 7225.570 | 4.014 |
| 4913.388 | 160.843 | 1.002 | 14.678 |
| 10/16/2016 12:10:00 AM | 267000.000 | 12.011 | 17.694 |
| 27.376 | 6217.163 | 7225.483 | 4.014 |
| 4913.329 | 160.845 | 1.002 | 14.677 |
| 10/16/2016 12:15:00 AM | 267300.000 | 12.006 | 17.694 |
| 27.366 | 6216.297 | 7224.419 | 4.014 |
| 4912.605 | 160.867 | 1.002 | 14.677 |
| 10/16/2016 12:20:00 AM | 267600.000 | 12.010 | 17.694 |
| 27.374 | 6215.659 | 7223.706 | 4.013 |
| 4912.120 | 160.884 | 1.002 | 14.678 |
| 10/16/2016 12:25:00 AM | 267900.000 | 12.005 | 17.694 |
| 27.363 | 6216.430 | 7224.602 | 4.014 |
| 4912.730 | 160.864 | 1.002 | 14.680 |
| 10/16/2016 12:30:00 AM | 268200.000 | 12.008 | 17.694 |
| 27.370 | 6214.991 | 7222.959 | 4.013 |
| 4911.612 | 160.901 | 1.002 | 14.681 |
| 10/16/2016 12:35:00 AM | 268500.000 | 12.007 | 17.694 |
| 27.369 | 6215.076 | 7222.946 | 4.013 |
| 4911.604 | 160.899 | 1.002 | 14.682 |
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| 27.358 | 6215.597 | 7223.605 | 4.013 |
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| 27.369 | 6214.913 | 7222.827 | 4.013 |
| 4911.523 | 160.903 | 1.002 | 14.684 |
| 10/16/2016 12:50:00 AM | 269400.000 | 12.003 | 17.694 |
| 27.359 | 6214.962 | 7222.910 | 4.013 |
| 4911.579 | 160.902 | 1.002 | 14.684 |
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| 27.361 | 6214.876 | 7222.755 | 4.013 |
| 4911.473 | 160.904 | 1.002 | 14.684 |
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| 27.373 | 6214.806 | 7222.729 | 4.013 |
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| 27.373 | 6214.908 | 7222.791 | 4.013 |
| 4911.498 | 160.903 | 1.002 | 14.682 |
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| 27.376 | 6214.744 | 7222.684 | 4.013 |
| 4911.425 | 160.908 | 1.002 | 14.681 |
| 10/16/2016 1:15:00 AM | 270900.000 | 12.012 | 17.694 |
| 27.378 | 6214.561 | 7222.459 | 4.013 |
| 4911.272 | 160.912 | 1.002 | 14.680 |
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| 27.378 | 6215.079 | 7223.020 | 4.013 |
| 4911.653 | 160.899 | 1.002 | 14.681 |
| 10/16/2016 1:25:00 AM | 271500.000 | 12.006 | 17.694 |

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| 27.366 | 6214.865 | 7222.713 | 4.013 |
| 4911.446 | 160.905 | 1.002 | 14.681 |
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| 4911.431 | 160.906 | 1.002 | 14.682 |
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| 4911.321 | 160.910 | 1.002 | 14.682 |
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| 27.377 | 6216.098 | 7224.246 | 4.014 |
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| 4911.396 | 160.907 | 1.002 | 14.683 |
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| 27.367 | 6215.174 | 7223.101 | 4.013 |
| 4911.709 | 160.897 | 1.002 | 14.685 |
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| 27.363 | 6215.296 | 7223.284 | 4.013 |
| 4911.834 | 160.893 | 1.002 | 14.686 |
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| 27.376 | 6215.767 | 7223.888 | 4.013 |
| 4912.244 | 160.881 | 1.002 | 14.685 |
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| 27.367 | 6215.338 | 7223.375 | 4.013 |
| 4911.895 | 160.892 | 1.002 | 14.684 |
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| 27.377 | 6214.583 | 7222.413 | 4.013 |
| 4911.241 | 160.912 | 1.002 | 14.683 |
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| 27.382 | 6215.310 | 7223.329 | 4.013 |
| 4911.864 | 160.893 | 1.002 | 14.682 |
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| 27.383 | 6216.214 | 7224.380 | 4.014 |
| 4912.579 | 160.870 | 1.002 | 14.682 |
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| 27.374 | 6215.403 | 7223.438 | 4.013 |
| 4911.938 | 160.891 | 1.002 | 14.682 |
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| 27.379 | 6216.157 | 7224.299 | 4.014 |
| 4912.524 | 160.871 | 1.002 | 14.683 |
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| 27.364 | 6215.906 | 7223.981 | 4.014 |
| 4912.307 | 160.878 | 1.002 | 14.684 |
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| 27.380 | 6215.536 | 7223.535 | 4.013 |
| 4912.003 | 160.887 | 1.002 | 14.682 |
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| 27.378 | 6215.885 | 7223.899 | 4.013 |
| 4912.251 | 160.878 | 1.002 | 14.680 |

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| 10/16/2016 3:00:00 AM | 277200.000 | 12.017 | 17.694 |
| 27.391 | 6217.006 | 7225.301 | 4.014 |
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| 27.382 | 6216.419 | 7224.547 | 4.014 |
| 4912.692 | 160.864 | 1.002 | 14.679 |
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| 27.390 | 6217.842 | 7226.201 | 4.015 |
| 4913.817 | 160.828 | 1.002 | 14.680 |
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| 27.376 | 6216.981 | 7225.214 | 4.014 |
| 4913.146 | 160.850 | 1.002 | 14.681 |
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| 27.393 | 6216.573 | 7224.686 | 4.014 |
| 4912.787 | 160.860 | 1.002 | 14.678 |
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| 27.395 | 6216.554 | 7224.788 | 4.014 |
| 4912.855 | 160.861 | 1.002 | 14.675 |
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| 27.403 | 6215.913 | 7224.058 | 4.014 |
| 4912.360 | 160.877 | 1.002 | 14.673 |
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| 27.399 | 6216.533 | 7224.709 | 4.014 |
| 4912.803 | 160.861 | 1.002 | 14.673 |
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| 27.390 | 6217.353 | 7225.716 | 4.015 |
| 4913.487 | 160.840 | 1.002 | 14.673 |
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| 27.387 | 6216.467 | 7224.645 | 4.014 |
| 4912.759 | 160.863 | 1.002 | 14.673 |
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| 27.396 | 6217.408 | 7225.753 | 4.015 |
| 4913.512 | 160.839 | 1.002 | 14.674 |
| 10/16/2016 3:55:00 AM | 280500.000 | 12.019 | 17.694 |
| 27.395 | 6216.856 | 7225.085 | 4.014 |
| 4913.058 | 160.853 | 1.002 | 14.674 |
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| 27.386 | 6218.189 | 7226.635 | 4.015 |
| 4914.112 | 160.819 | 1.002 | 14.674 |
| 10/16/2016 4:05:00 AM | 281100.000 | 12.016 | 17.694 |
| 27.388 | 6217.925 | 7226.327 | 4.015 |
| 4913.903 | 160.825 | 1.002 | 14.674 |
| 10/16/2016 4:10:00 AM | 281400.000 | 12.017 | 17.694 |
| 27.390 | 6217.559 | 7225.873 | 4.015 |
| 4913.593 | 160.835 | 1.002 | 14.674 |
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| 27.377 | 6217.325 | 7225.630 | 4.015 |
| 4913.428 | 160.841 | 1.002 | 14.674 |
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| 27.382 | 6218.072 | 7226.498 | 4.015 |
| 4914.019 | 160.822 | 1.002 | 14.672 |
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| 27.394 | 6217.729 | 7226.071 | 4.015 |
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| 27.401 | 6218.782 | 7227.323 | 4.016 |

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| 4914.581 | 160.803 | 1.002 | 14.668 |
| 10/16/2016 4:35:00 AM | 282900.000 | 12.021 | 17.693 |
| 27.400 | 6218.213 | 7226.759 | 4.015 |
| 4914.196 | 160.818 | 1.002 | 14.670 |
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| 27.387 | 6217.892 | 7226.289 | 4.015 |
| 4913.876 | 160.826 | 1.002 | 14.671 |
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| 27.396 | 6218.091 | 7226.463 | 4.015 |
| 4913.995 | 160.821 | 1.002 | 14.672 |
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| 27.397 | 6218.935 | 7227.598 | 4.016 |
| 4914.767 | 160.799 | 1.002 | 14.672 |
| 10/16/2016 4:55:00 AM | 284100.000 | 12.019 | 17.694 |
| 27.396 | 6218.908 | 7227.511 | 4.016 |
| 4914.708 | 160.800 | 1.002 | 14.672 |
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| 27.398 | 6218.732 | 7227.319 | 4.016 |
| 4914.577 | 160.804 | 1.002 | 14.672 |
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| 27.388 | 6219.198 | 7227.848 | 4.016 |
| 4914.937 | 160.792 | 1.002 | 14.672 |
| 10/16/2016 5:10:00 AM | 285000.000 | 12.020 | 17.694 |
| 27.398 | 6218.342 | 7226.866 | 4.015 |
| 4914.269 | 160.815 | 1.002 | 14.672 |
| 10/16/2016 5:15:00 AM | 285300.000 | 12.014 | 17.694 |
| 27.384 | 6219.267 | 7227.940 | 4.016 |
| 4915.000 | 160.791 | 1.002 | 14.673 |
| 10/16/2016 5:20:00 AM | 285600.000 | 12.020 | 17.694 |
| 27.398 | 6219.452 | 7228.072 | 4.016 |
| 4915.090 | 160.786 | 1.002 | 14.671 |
| 10/16/2016 5:25:00 AM | 285900.000 | 12.021 | 17.694 |
| 27.399 | 6219.353 | 7227.944 | 4.016 |
| 4915.002 | 160.788 | 1.002 | 14.670 |
| 10/16/2016 5:30:00 AM | 286200.000 | 12.022 | 17.694 |
| 27.402 | 6219.952 | 7228.695 | 4.016 |
| 4915.513 | 160.773 | 1.002 | 14.669 |
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| 27.386 | 6220.022 | 7228.695 | 4.016 |
| 4915.513 | 160.771 | 1.002 | 14.672 |
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| 27.389 | 6219.859 | 7228.532 | 4.016 |
| 4915.402 | 160.775 | 1.002 | 14.675 |
| 10/16/2016 5:45:00 AM | 287100.000 | 12.009 | 17.694 |
| 27.373 | 6220.072 | 7228.835 | 4.016 |
| 4915.608 | 160.770 | 1.002 | 14.677 |
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| 27.378 | 6220.636 | 7229.519 | 4.017 |
| 4916.073 | 160.755 | 1.002 | 14.674 |
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| 27.387 | 6220.973 | 7229.800 | 4.017 |
| 4916.265 | 160.747 | 1.002 | 14.671 |
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| 27.393 | 6220.887 | 7229.782 | 4.017 |
| 4916.251 | 160.749 | 1.002 | 14.669 |
| 10/16/2016 6:05:00 AM | 288300.000 | 12.023 | 17.694 |

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| 27.405 | 6220.839 | 7229.768 | 4.017 |
| 4916.243 | 160.750 | 1.002 | 14.669 |
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| 27.404 | 6219.729 | 7228.450 | 4.016 |
| 4915.346 | 160.779 | 1.002 | 14.668 |
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| 27.393 | 6221.413 | 7230.423 | 4.017 |
| 4916.688 | 160.735 | 1.002 | 14.668 |
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| 27.390 | 6221.373 | 7230.318 | 4.017 |
| 4916.616 | 160.736 | 1.002 | 14.668 |
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| 27.403 | 6220.583 | 7229.458 | 4.017 |
| 4916.032 | 160.757 | 1.002 | 14.668 |
| 10/16/2016 6:30:00 AM | 289800.000 | 12.024 | 17.694 |
| 27.407 | 6220.480 | 7229.324 | 4.017 |
| 4915.941 | 160.759 | 1.002 | 14.668 |
| 10/16/2016 6:35:00 AM | 290100.000 | 12.019 | 17.694 |
| 27.394 | 6221.820 | 7230.824 | 4.018 |
| 4916.961 | 160.725 | 1.002 | 14.670 |
| 10/16/2016 6:40:00 AM | 290400.000 | 12.021 | 17.694 |
| 27.400 | 6222.017 | 7231.136 | 4.018 |
| 4917.173 | 160.720 | 1.002 | 14.672 |
| 10/16/2016 6:45:00 AM | 290700.000 | 12.015 | 17.693 |
| 27.385 | 6222.096 | 7231.272 | 4.018 |
| 4917.266 | 160.718 | 1.002 | 14.675 |
| 10/16/2016 6:50:00 AM | 291000.000 | 12.018 | 17.694 |
| 27.393 | 6222.980 | 7232.203 | 4.018 |
| 4917.898 | 160.695 | 1.002 | 14.672 |
| 10/16/2016 6:55:00 AM | 291300.000 | 12.021 | 17.694 |
| 27.399 | 6222.724 | 7231.917 | 4.018 |
| 4917.704 | 160.701 | 1.002 | 14.670 |
| 10/16/2016 7:00:00 AM | 291600.000 | 12.023 | 17.694 |
| 27.403 | 6222.788 | 7231.936 | 4.018 |
| 4917.716 | 160.700 | 1.002 | 14.667 |
| 10/16/2016 7:05:00 AM | 291900.000 | 12.023 | 17.694 |
| 27.404 | 6222.266 | 7231.384 | 4.018 |
| 4917.341 | 160.713 | 1.002 | 14.669 |
| 10/16/2016 7:10:00 AM | 292200.000 | 12.027 | 17.694 |
| 27.413 | 6223.560 | 7232.902 | 4.019 |
| 4918.374 | 160.680 | 1.002 | 14.670 |
| 10/16/2016 7:15:00 AM | 292500.000 | 12.021 | 17.694 |
| 27.399 | 6223.442 | 7232.792 | 4.019 |
| 4918.299 | 160.683 | 1.002 | 14.671 |
| 10/16/2016 7:20:00 AM | 292800.000 | 12.025 | 17.694 |
| 27.408 | 6225.051 | 7234.636 | 4.020 |
| 4919.552 | 160.641 | 1.002 | 14.670 |
| 10/16/2016 7:25:00 AM | 293100.000 | 12.027 | 17.694 |
| 27.412 | 6223.355 | 7232.680 | 4.019 |
| 4918.223 | 160.685 | 1.002 | 14.670 |
| 10/16/2016 7:30:00 AM | 293400.000 | 12.026 | 17.694 |
| 27.411 | 6224.355 | 7233.869 | 4.019 |
| 4919.032 | 160.659 | 1.002 | 14.669 |
| 10/16/2016 7:35:00 AM | 293700.000 | 12.030 | 17.694 |
| 27.419 | 6224.821 | 7234.341 | 4.020 |
| 4919.352 | 160.647 | 1.002 | 14.668 |

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| 10/16/2016 7:40:00 AM | 294000.000 | 12.026 | 17.694 |
| 27.411 | 6225.924 | 7235.624 | 4.020 |
| 4920.225 | 160.619 | 1.002 | 14.667 |
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| 27.411 | 6225.086 | 7234.662 | 4.020 |
| 4919.570 | 160.640 | 1.002 | 14.666 |
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| 27.421 | 6225.332 | 7234.961 | 4.020 |
| 4919.774 | 160.634 | 1.002 | 14.665 |
| 10/16/2016 7:55:00 AM | 294900.000 | 12.030 | 17.694 |
| 27.420 | 6225.850 | 7235.507 | 4.020 |
| 4920.145 | 160.621 | 1.002 | 14.663 |
| 10/16/2016 8:00:00 AM | 295200.000 | 12.025 | 17.694 |
| 27.408 | 6225.875 | 7235.566 | 4.020 |
| 4920.185 | 160.620 | 1.002 | 14.662 |
| 10/16/2016 8:05:00 AM | 295500.000 | 12.030 | 17.694 |
| 27.420 | 6226.030 | 7235.747 | 4.021 |
| 4920.308 | 160.616 | 1.002 | 14.662 |
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| 27.416 | 6225.966 | 7235.727 | 4.021 |
| 4920.294 | 160.618 | 1.002 | 14.661 |
| 10/16/2016 8:15:00 AM | 296100.000 | 12.029 | 17.694 |
| 27.418 | 6225.132 | 7234.729 | 4.020 |
| 4919.616 | 160.639 | 1.002 | 14.661 |
| 10/16/2016 8:20:00 AM | 296400.000 | 12.028 | 17.694 |
| 27.415 | 6226.807 | 7236.662 | 4.021 |
| 4920.930 | 160.596 | 1.002 | 14.663 |
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| 27.414 | 6226.658 | 7236.503 | 4.021 |
| 4920.823 | 160.600 | 1.002 | 14.665 |
| 10/16/2016 8:30:00 AM | 297000.000 | 12.030 | 17.694 |
| 27.419 | 6226.625 | 7236.438 | 4.021 |
| 4920.778 | 160.601 | 1.002 | 14.667 |
| 10/16/2016 8:35:00 AM | 297300.000 | 12.030 | 17.694 |
| 27.420 | 6227.262 | 7237.108 | 4.021 |
| 4921.234 | 160.584 | 1.002 | 14.667 |
| 10/16/2016 8:40:00 AM | 297600.000 | 12.028 | 17.694 |
| 27.415 | 6227.501 | 7237.427 | 4.022 |
| 4921.451 | 160.578 | 1.002 | 14.667 |
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| 27.421 | 6227.487 | 7237.424 | 4.022 |
| 4921.449 | 160.578 | 1.002 | 14.668 |
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| 27.426 | 6227.689 | 7237.717 | 4.022 |
| 4921.647 | 160.573 | 1.002 | 14.666 |
| 10/16/2016 8:55:00 AM | 298500.000 | 12.033 | 17.694 |
| 27.427 | 6227.728 | 7237.704 | 4.022 |
| 4921.639 | 160.572 | 1.002 | 14.664 |
| 10/16/2016 9:00:00 AM | 298800.000 | 12.034 | 17.694 |
| 27.429 | 6229.136 | 7239.357 | 4.023 |
| 4922.763 | 160.536 | 1.002 | 14.662 |
| 10/16/2016 9:05:00 AM | 299100.000 | 12.034 | 17.694 |
| 27.429 | 6227.898 | 7237.972 | 4.022 |
| 4921.821 | 160.568 | 1.002 | 14.662 |
| 10/16/2016 9:10:00 AM | 299400.000 | 12.030 | 17.694 |
| 27.419 | 6228.868 | 7239.098 | 4.023 |

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| 4922.587 | 160.543 | 1.002 | 14.661 |
| 10/16/2016 9:15:00 AM | 299700.000 | 12.035 | 17.694 |
| 27.431 | 6229.085 | 7239.309 | 4.023 |
| 4922.731 | 160.537 | 1.002 | 14.661 |
| 10/16/2016 9:20:00 AM | 300000.000 | 12.035 | 17.694 |
| 27.432 | 6228.521 | 7238.642 | 4.022 |
| 4922.276 | 160.552 | 1.002 | 14.662 |
| 10/16/2016 9:25:00 AM | 300300.000 | 12.030 | 17.694 |
| 27.419 | 6229.756 | 7240.034 | 4.023 |
| 4923.224 | 160.520 | 1.002 | 14.663 |
| 10/16/2016 9:30:00 AM | 300600.000 | 12.031 | 17.693 |
| 27.421 | 6230.118 | 7240.580 | 4.023 |
| 4923.595 | 160.511 | 1.002 | 14.664 |
| 10/16/2016 9:35:00 AM | 300900.000 | 12.029 | 17.694 |
| 27.419 | 6230.023 | 7240.414 | 4.023 |
| 4923.481 | 160.513 | 1.002 | 14.664 |
| 10/16/2016 9:40:00 AM | 301200.000 | 12.036 | 17.694 |
| 27.433 | 6231.552 | 7242.165 | 4.024 |
| 4924.672 | 160.474 | 1.002 | 14.664 |
| 10/16/2016 9:45:00 AM | 301500.000 | 12.030 | 17.694 |
| 27.420 | 6230.737 | 7241.271 | 4.024 |
| 4924.064 | 160.495 | 1.002 | 14.663 |
| 10/16/2016 9:50:00 AM | 301800.000 | 12.034 | 17.694 |
| 27.430 | 6231.713 | 7242.405 | 4.024 |
| 4924.835 | 160.470 | 1.002 | 14.664 |
| 10/16/2016 9:55:00 AM | 302100.000 | 12.034 | 17.694 |
| 27.428 | 6231.343 | 7241.933 | 4.024 |
| 4924.515 | 160.479 | 1.002 | 14.664 |
| 10/16/2016 10:00:00 AM | 302400.000 | 12.034 | 17.694 |
| 27.428 | 6232.245 | 7243.039 | 4.025 |
| 4925.266 | 160.456 | 1.002 | 14.664 |
| 10/16/2016 10:05:00 AM | 302700.000 | 12.034 | 17.694 |
| 27.430 | 6232.343 | 7243.014 | 4.025 |
| 4925.250 | 160.453 | 1.002 | 14.664 |
| 10/16/2016 10:10:00 AM | 303000.000 | 12.033 | 17.694 |
| 27.428 | 6232.854 | 7243.690 | 4.025 |
| 4925.709 | 160.440 | 1.002 | 14.665 |
| 10/16/2016 10:15:00 AM | 303300.000 | 12.033 | 17.694 |
| 27.427 | 6232.474 | 7243.236 | 4.025 |
| 4925.401 | 160.450 | 1.002 | 14.665 |
| 10/16/2016 10:20:00 AM | 303600.000 | 12.035 | 17.693 |
| 27.432 | 6232.167 | 7242.962 | 4.025 |
| 4925.215 | 160.458 | 1.002 | 14.663 |
| 10/16/2016 10:25:00 AM | 303900.000 | 12.035 | 17.694 |
| 27.432 | 6232.844 | 7243.623 | 4.025 |
| 4925.664 | 160.440 | 1.002 | 14.661 |
| 10/16/2016 10:30:00 AM | 304200.000 | 12.033 | 17.694 |
| 27.427 | 6233.434 | 7244.393 | 4.026 |
| 4926.188 | 160.425 | 1.002 | 14.660 |
| 10/16/2016 10:35:00 AM | 304500.000 | 12.039 | 17.694 |
| 27.441 | 6232.678 | 7243.430 | 4.025 |
| 4925.533 | 160.445 | 1.002 | 14.659 |
| 10/16/2016 10:40:00 AM | 304800.000 | 12.038 | 17.694 |
| 27.438 | 6233.125 | 7244.005 | 4.025 |
| 4925.923 | 160.433 | 1.002 | 14.659 |
| 10/16/2016 10:45:00 AM | 305100.000 | 12.034 | 17.694 |

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|---|---|---|---|
| 27.428 | 6232.784 | 7243.650 | 4.025 |
| 4925.683 | 160.442 | 1.002 | 14.659 |
| 10/16/2016 10:50:00 AM | 305400.000 | 12.041 | 17.694 |
| 27.444 | 6235.446 | 7246.702 | 4.027 |
| 4927.758 | 160.373 | 1.002 | 14.659 |
| 10/16/2016 10:55:00 AM | 305700.000 | 12.034 | 17.694 |
| 27.430 | 6235.001 | 7246.144 | 4.027 |
| 4927.378 | 160.385 | 1.002 | 14.659 |
| 10/16/2016 11:00:00 AM | 306000.000 | 12.035 | 17.694 |
| 27.432 | 6234.975 | 7246.184 | 4.027 |
| 4927.405 | 160.386 | 1.002 | 14.660 |
| 10/16/2016 11:05:00 AM | 306300.000 | 12.037 | 17.693 |
| 27.436 | 6234.500 | 7245.672 | 4.026 |
| 4927.057 | 160.398 | 1.002 | 14.659 |
| 10/16/2016 11:10:00 AM | 306600.000 | 12.043 | 17.694 |
| 27.449 | 6235.589 | 7246.868 | 4.027 |
| 4927.870 | 160.370 | 1.002 | 14.658 |
| 10/16/2016 11:15:00 AM | 306900.000 | 12.043 | 17.693 |
| 27.451 | 6234.696 | 7245.929 | 4.027 |
| 4927.232 | 160.393 | 1.002 | 14.658 |
| 10/16/2016 11:20:00 AM | 307200.000 | 12.043 | 17.694 |
| 27.449 | 6235.567 | 7246.885 | 4.027 |
| 4927.882 | 160.370 | 1.002 | 14.658 |
| 10/16/2016 11:25:00 AM | 307500.000 | 12.038 | 17.694 |
| 27.437 | 6234.771 | 7245.917 | 4.027 |
| 4927.224 | 160.391 | 1.002 | 14.658 |
| 10/16/2016 11:30:00 AM | 307800.000 | 12.033 | 17.694 |
| 27.427 | 6234.604 | 7245.738 | 4.026 |
| 4927.102 | 160.395 | 1.002 | 14.658 |
| 10/16/2016 11:35:00 AM | 308100.000 | 12.032 | 17.694 |
| 27.425 | 6234.941 | 7246.115 | 4.027 |
| 4927.358 | 160.386 | 1.002 | 14.658 |
| 10/16/2016 11:40:00 AM | 308400.000 | 12.040 | 17.694 |
| 27.443 | 6236.174 | 7247.548 | 4.028 |
| 4928.333 | 160.355 | 1.002 | 14.658 |
| 10/16/2016 11:45:00 AM | 308700.000 | 12.038 | 17.694 |
| 27.439 | 6235.454 | 7246.740 | 4.027 |
| 4927.784 | 160.373 | 1.002 | 14.659 |
| 10/16/2016 11:50:00 AM | 309000.000 | 12.042 | 17.694 |
| 27.447 | 6235.389 | 7246.623 | 4.027 |
| 4927.704 | 160.375 | 1.002 | 14.657 |
| 10/16/2016 11:55:00 AM | 309300.000 | 12.043 | 17.694 |
| 27.449 | 6234.267 | 7245.332 | 4.026 |
| 4926.826 | 160.404 | 1.002 | 14.655 |
| 10/16/2016 12:00:00 PM | 309600.000 | 12.045 | 17.693 |
| 27.454 | 6234.399 | 7245.556 | 4.026 |
| 4926.978 | 160.400 | 1.002 | 14.652 |
| 10/16/2016 12:05:00 PM | 309900.000 | 12.046 | 17.694 |
| 27.457 | 6234.106 | 7245.075 | 4.026 |
| 4926.651 | 160.408 | 1.002 | 14.651 |
| 10/16/2016 12:10:00 PM | 310200.000 | 12.049 | 17.694 |
| 27.463 | 6235.295 | 7246.542 | 4.027 |
| 4927.648 | 160.377 | 1.002 | 14.649 |
| 10/16/2016 12:15:00 PM | 310500.000 | 12.044 | 17.694 |
| 27.452 | 6235.651 | 7246.997 | 4.027 |
| 4927.958 | 160.368 | 1.002 | 14.647 |

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|---|---|---|---|
| 10/16/2016 12:20:00 PM | 310800.000 | 12.044 | 17.693 |
| 27.452 | 6235.315 | 7246.649 | 4.027 |
| 4927.722 | 160.377 | 1.002 | 14.649 |
| 10/16/2016 12:25:00 PM | 311100.000 | 12.043 | 17.694 |
| 27.449 | 6236.423 | 7247.768 | 4.028 |
| 4928.482 | 160.348 | 1.002 | 14.650 |
| 10/16/2016 12:30:00 PM | 311400.000 | 12.041 | 17.694 |
| 27.445 | 6236.583 | 7247.969 | 4.028 |
| 4928.619 | 160.344 | 1.002 | 14.652 |
| 10/16/2016 12:35:00 PM | 311700.000 | 12.041 | 17.694 |
| 27.445 | 6234.968 | 7246.104 | 4.027 |
| 4927.352 | 160.386 | 1.002 | 14.652 |
| 10/16/2016 12:40:00 PM | 312000.000 | 12.046 | 17.694 |
| 27.457 | 6234.954 | 7246.187 | 4.027 |
| 4927.407 | 160.386 | 1.002 | 14.653 |
| 10/16/2016 12:45:00 PM | 312300.000 | 12.043 | 17.694 |
| 27.450 | 6235.605 | 7246.887 | 4.027 |
| 4927.883 | 160.369 | 1.002 | 14.653 |
| 10/16/2016 12:50:00 PM | 312600.000 | 12.046 | 17.694 |
| 27.457 | 6235.303 | 7246.550 | 4.027 |
| 4927.655 | 160.377 | 1.002 | 14.652 |
| 10/16/2016 12:55:00 PM | 312900.000 | 12.042 | 17.694 |
| 27.447 | 6234.242 | 7245.317 | 4.026 |
| 4926.815 | 160.404 | 1.002 | 14.652 |
| 10/16/2016 1:00:00 PM | 313200.000 | 12.042 | 17.694 |
| 27.446 | 6234.711 | 7245.889 | 4.027 |
| 4927.205 | 160.392 | 1.002 | 14.652 |
| 10/16/2016 1:05:00 PM | 313500.000 | 12.044 | 17.694 |
| 27.451 | 6234.215 | 7245.313 | 4.026 |
| 4926.813 | 160.405 | 1.002 | 14.649 |
| 10/16/2016 1:10:00 PM | 313800.000 | 12.044 | 17.694 |
| 27.452 | 6234.609 | 7245.717 | 4.026 |
| 4927.088 | 160.395 | 1.002 | 14.647 |
| 10/16/2016 1:15:00 PM | 314100.000 | 12.050 | 17.694 |
| 27.465 | 6233.615 | 7244.533 | 4.026 |
| 4926.282 | 160.421 | 1.002 | 14.645 |
| 10/16/2016 1:20:00 PM | 314400.000 | 12.048 | 17.694 |
| 27.461 | 6233.258 | 7244.189 | 4.026 |
| 4926.049 | 160.430 | 1.002 | 14.648 |
| 10/16/2016 1:25:00 PM | 314700.000 | 12.041 | 17.693 |
| 27.446 | 6233.712 | 7244.787 | 4.026 |
| 4926.456 | 160.418 | 1.002 | 14.651 |
| 10/16/2016 1:30:00 PM | 315000.000 | 12.042 | 17.694 |
| 27.448 | 6231.779 | 7242.482 | 4.025 |
| 4924.888 | 160.468 | 1.002 | 14.654 |
| 10/16/2016 1:35:00 PM | 315300.000 | 12.045 | 17.694 |
| 27.454 | 6231.868 | 7242.573 | 4.025 |
| 4924.950 | 160.466 | 1.002 | 14.650 |
| 10/16/2016 1:40:00 PM | 315600.000 | 12.044 | 17.694 |
| 27.452 | 6231.564 | 7242.179 | 4.024 |
| 4924.682 | 160.473 | 1.002 | 14.645 |
| 10/16/2016 1:45:00 PM | 315900.000 | 12.045 | 17.694 |
| 27.453 | 6231.291 | 7241.888 | 4.024 |
| 4924.484 | 160.480 | 1.002 | 14.641 |
| 10/16/2016 1:50:00 PM | 316200.000 | 12.049 | 17.694 |
| 27.463 | 6230.403 | 7240.871 | 4.024 |

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|---|---|---|---|
| 4923.792 | 160.503 | 1.002 | 14.640 |
| 10/16/2016 1:55:00 PM | 316500.000 | 12.046 | 17.694 |
| 27.458 | 6229.639 | 7239.983 | 4.023 |
| 4923.188 | 160.523 | 1.002 | 14.638 |
| 10/16/2016 2:00:00 PM | 316800.000 | 12.045 | 17.694 |
| 27.454 | 6228.570 | 7238.741 | 4.022 |
| 4922.344 | 160.550 | 1.002 | 14.636 |
| 10/16/2016 2:05:00 PM | 317100.000 | 12.052 | 17.694 |
| 27.469 | 6227.396 | 7237.304 | 4.021 |
| 4921.367 | 160.581 | 1.002 | 14.635 |
| 10/16/2016 2:10:00 PM | 317400.000 | 12.047 | 17.694 |
| 27.459 | 6227.754 | 7237.777 | 4.022 |
| 4921.688 | 160.572 | 1.002 | 14.634 |
| 10/16/2016 2:15:00 PM | 317700.000 | 12.053 | 17.694 |
| 27.472 | 6227.247 | 7237.161 | 4.021 |
| 4921.270 | 160.585 | 1.002 | 14.632 |
| 10/16/2016 2:20:00 PM | 318000.000 | 12.055 | 17.693 |
| 27.477 | 6225.111 | 7234.777 | 4.020 |
| 4919.648 | 160.640 | 1.002 | 14.632 |
| 10/16/2016 2:25:00 PM | 318300.000 | 12.056 | 17.694 |
| 27.479 | 6225.095 | 7234.729 | 4.020 |
| 4919.615 | 160.640 | 1.002 | 14.631 |
| 10/16/2016 2:30:00 PM | 318600.000 | 12.056 | 17.694 |
| 27.480 | 6224.645 | 7234.149 | 4.020 |
| 4919.222 | 160.652 | 1.002 | 14.630 |
| 10/16/2016 2:35:00 PM | 318900.000 | 12.050 | 17.694 |
| 27.466 | 6223.725 | 7233.038 | 4.019 |
| 4918.466 | 160.675 | 1.002 | 14.632 |
| 10/16/2016 2:40:00 PM | 319200.000 | 12.045 | 17.694 |
| 27.454 | 6222.784 | 7231.975 | 4.018 |
| 4917.743 | 160.700 | 1.002 | 14.634 |
| 10/16/2016 2:45:00 PM | 319500.000 | 12.048 | 17.694 |
| 27.460 | 6222.636 | 7231.803 | 4.018 |
| 4917.626 | 160.704 | 1.002 | 14.636 |
| 10/16/2016 2:50:00 PM | 319800.000 | 12.050 | 17.694 |
| 27.465 | 6221.396 | 7230.346 | 4.017 |
| 4916.636 | 160.736 | 1.002 | 14.634 |
| 10/16/2016 2:55:00 PM | 320100.000 | 12.048 | 17.694 |
| 27.460 | 6220.983 | 7229.812 | 4.017 |
| 4916.272 | 160.746 | 1.002 | 14.632 |
| 10/16/2016 3:00:00 PM | 320400.000 | 12.056 | 17.694 |
| 27.479 | 6219.507 | 7228.193 | 4.016 |
| 4915.171 | 160.784 | 1.002 | 14.631 |
| 10/16/2016 3:05:00 PM | 320700.000 | 12.052 | 17.694 |
| 27.471 | 6219.604 | 7228.332 | 4.016 |
| 4915.266 | 160.782 | 1.002 | 14.633 |
| 10/16/2016 3:10:00 PM | 321000.000 | 12.052 | 17.694 |
| 27.469 | 6219.667 | 7228.364 | 4.016 |
| 4915.288 | 160.780 | 1.002 | 14.635 |
| 10/16/2016 3:15:00 PM | 321300.000 | 12.051 | 17.694 |
| 27.467 | 6219.607 | 7228.283 | 4.016 |
| 4915.232 | 160.782 | 1.002 | 14.638 |
| 10/16/2016 3:20:00 PM | 321600.000 | 12.048 | 17.694 |
| 27.461 | 6217.364 | 7225.676 | 4.015 |
| 4913.460 | 160.840 | 1.002 | 14.636 |
| 10/16/2016 3:25:00 PM | 321900.000 | 12.053 | 17.694 |

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|---|---|---|---|
| 27.473 | 6217.756 | 7226.158 | 4.015 |
| 4913.788 | 160.830 | 1.002 | 14.634 |
| 10/16/2016 3:30:00 PM | 322200.000 | 12.050 | 17.694 |
| 27.466 | 6217.399 | 7225.757 | 4.015 |
| 4913.516 | 160.839 | 1.002 | 14.633 |
| 10/16/2016 3:35:00 PM | 322500.000 | 12.055 | 17.694 |
| 27.476 | 6216.775 | 7224.975 | 4.014 |
| 4912.983 | 160.855 | 1.002 | 14.633 |
| 10/16/2016 3:40:00 PM | 322800.000 | 12.050 | 17.694 |
| 27.466 | 6217.362 | 7225.715 | 4.015 |
| 4913.486 | 160.840 | 1.002 | 14.634 |
| 10/16/2016 3:45:00 PM | 323100.000 | 12.056 | 17.694 |
| 27.479 | 6216.965 | 7225.154 | 4.014 |
| 4913.104 | 160.850 | 1.002 | 14.635 |
| 10/16/2016 3:50:00 PM | 323400.000 | 12.052 | 17.693 |
| 27.470 | 6216.318 | 7224.542 | 4.014 |
| 4912.689 | 160.867 | 1.002 | 14.633 |
| 10/16/2016 3:55:00 PM | 323700.000 | 12.051 | 17.694 |
| 27.467 | 6216.194 | 7224.316 | 4.014 |
| 4912.535 | 160.870 | 1.002 | 14.632 |
| 10/16/2016 4:00:00 PM | 324000.000 | 12.057 | 17.694 |
| 27.483 | 6215.951 | 7223.975 | 4.014 |
| 4912.303 | 160.876 | 1.002 | 14.631 |
| 10/16/2016 4:05:00 PM | 324300.000 | 12.051 | 17.694 |
| 27.467 | 6214.822 | 7222.763 | 4.013 |
| 4911.479 | 160.906 | 1.002 | 14.632 |
| 10/16/2016 4:10:00 PM | 324600.000 | 12.055 | 17.694 |
| 27.477 | 6216.749 | 7224.987 | 4.014 |
| 4912.992 | 160.856 | 1.002 | 14.633 |
| 10/16/2016 4:15:00 PM | 324900.000 | 12.051 | 17.694 |
| 27.468 | 6216.597 | 7224.853 | 4.014 |
| 4912.900 | 160.860 | 1.002 | 14.635 |
| 10/16/2016 4:20:00 PM | 325200.000 | 12.054 | 17.694 |
| 27.474 | 6214.800 | 7222.611 | 4.013 |
| 4911.376 | 160.906 | 1.002 | 14.636 |
| 10/16/2016 4:25:00 PM | 325500.000 | 12.047 | 17.694 |
| 27.460 | 6214.913 | 7222.853 | 4.013 |
| 4911.541 | 160.903 | 1.002 | 14.638 |
| 10/16/2016 4:30:00 PM | 325800.000 | 12.051 | 17.694 |
| 27.469 | 6213.169 | 7220.742 | 4.012 |
| 4910.105 | 160.948 | 1.002 | 14.639 |
| 10/16/2016 4:35:00 PM | 326100.000 | 12.047 | 17.694 |
| 27.459 | 6213.454 | 7221.046 | 4.012 |
| 4910.312 | 160.941 | 1.002 | 14.639 |
| 10/16/2016 4:40:00 PM | 326400.000 | 12.054 | 17.694 |
| 27.474 | 6212.286 | 7219.744 | 4.011 |
| 4909.426 | 160.971 | 1.002 | 14.639 |
| 10/16/2016 4:45:00 PM | 326700.000 | 12.050 | 17.694 |
| 27.465 | 6211.859 | 7219.290 | 4.011 |
| 4909.117 | 160.982 | 1.002 | 14.639 |
| 10/16/2016 4:50:00 PM | 327000.000 | 12.051 | 17.693 |
| 27.469 | 6211.188 | 7218.596 | 4.010 |
| 4908.645 | 161.000 | 1.002 | 14.639 |
| 10/16/2016 4:55:00 PM | 327300.000 | 12.056 | 17.694 |
| 27.479 | 6210.723 | 7217.941 | 4.010 |
| 4908.200 | 161.012 | 1.002 | 14.639 |

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|---|---|---|---|
| 10/16/2016 5:00:00 PM | 327600.000 | 12.056 | 17.694 |
| 27.480 | 6211.106 | 7218.333 | 4.010 |
| 4908.467 | 161.002 | 1.002 | 14.639 |
| 10/16/2016 5:05:00 PM | 327900.000 | 12.054 | 17.694 |
| 27.475 | 6210.440 | 7217.655 | 4.010 |
| 4908.006 | 161.019 | 1.002 | 14.641 |
| 10/16/2016 5:10:00 PM | 328200.000 | 12.053 | 17.694 |
| 27.471 | 6210.791 | 7218.020 | 4.010 |
| 4908.254 | 161.010 | 1.002 | 14.642 |
| 10/16/2016 5:15:00 PM | 328500.000 | 12.053 | 17.694 |
| 27.474 | 6210.291 | 7217.482 | 4.010 |
| 4907.888 | 161.023 | 1.002 | 14.644 |
| 10/16/2016 5:20:00 PM | 328800.000 | 12.056 | 17.694 |
| 27.480 | 6209.712 | 7216.783 | 4.009 |
| 4907.413 | 161.038 | 1.002 | 14.647 |
| 10/16/2016 5:25:00 PM | 329100.000 | 12.055 | 17.694 |
| 27.476 | 6209.499 | 7216.547 | 4.009 |
| 4907.252 | 161.044 | 1.002 | 14.649 |
| 10/16/2016 5:30:00 PM | 329400.000 | 12.049 | 17.694 |
| 27.464 | 6207.655 | 7214.362 | 4.008 |
| 4905.767 | 161.091 | 1.002 | 14.652 |
| 10/16/2016 5:35:00 PM | 329700.000 | 12.050 | 17.694 |
| 27.465 | 6207.298 | 7213.934 | 4.008 |
| 4905.475 | 161.101 | 1.002 | 14.652 |
| 10/16/2016 5:40:00 PM | 330000.000 | 12.054 | 17.694 |
| 27.474 | 6206.404 | 7212.950 | 4.007 |
| 4904.806 | 161.124 | 1.002 | 14.652 |
| 10/16/2016 5:45:00 PM | 330300.000 | 12.058 | 17.694 |
| 27.484 | 6206.220 | 7212.724 | 4.007 |
| 4904.653 | 161.129 | 1.002 | 14.652 |
| 10/16/2016 5:50:00 PM | 330600.000 | 12.055 | 17.694 |
| 27.478 | 6204.913 | 7211.176 | 4.006 |
| 4903.600 | 161.163 | 1.002 | 14.651 |
| 10/16/2016 5:55:00 PM | 330900.000 | 12.061 | 17.694 |
| 27.492 | 6203.740 | 7209.869 | 4.005 |
| 4902.711 | 161.193 | 1.002 | 14.650 |
| 10/16/2016 6:00:00 PM | 331200.000 | 12.063 | 17.694 |
| 27.494 | 6204.126 | 7210.344 | 4.005 |
| 4903.034 | 161.183 | 1.002 | 14.649 |
| 10/16/2016 6:05:00 PM | 331500.000 | 12.061 | 17.694 |
| 27.490 | 6203.147 | 7209.165 | 4.005 |
| 4902.232 | 161.208 | 1.002 | 14.651 |
| 10/16/2016 6:10:00 PM | 331800.000 | 12.060 | 17.693 |
| 27.487 | 6202.477 | 7208.484 | 4.004 |
| 4901.770 | 161.226 | 1.002 | 14.652 |
| 10/16/2016 6:15:00 PM | 332100.000 | 12.058 | 17.694 |
| 27.483 | 6202.602 | 7208.519 | 4.004 |
| 4901.792 | 161.223 | 1.002 | 14.653 |
| 10/16/2016 6:20:00 PM | 332400.000 | 12.059 | 17.694 |
| 27.486 | 6201.900 | 7207.715 | 4.004 |
| 4901.247 | 161.241 | 1.002 | 14.653 |
| 10/16/2016 6:25:00 PM | 332700.000 | 12.062 | 17.694 |
| 27.493 | 6201.145 | 7206.879 | 4.003 |
| 4900.678 | 161.261 | 1.002 | 14.652 |
| 10/16/2016 6:30:00 PM | 333000.000 | 12.062 | 17.694 |
| 27.493 | 6201.087 | 7206.771 | 4.003 |

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|---|---|---|---|
| 4900.604 | 161.262 | 1.002 | 14.652 |
| 10/16/2016 6:35:00 PM | 333300.000 | 12.060 | 17.694 |
| 27.488 | 6200.793 | 7206.443 | 4.003 |
| 4900.381 | 161.270 | 1.002 | 14.652 |
| 10/16/2016 6:40:00 PM | 333600.000 | 12.056 | 17.694 |
| 27.479 | 6199.759 | 7205.200 | 4.002 |
| 4899.536 | 161.297 | 1.002 | 14.653 |
| 10/16/2016 6:45:00 PM | 333900.000 | 12.054 | 17.694 |
| 27.474 | 6199.017 | 7204.323 | 4.002 |
| 4898.939 | 161.316 | 1.002 | 14.654 |
| 10/16/2016 6:50:00 PM | 334200.000 | 12.056 | 17.694 |
| 27.480 | 6198.488 | 7203.722 | 4.002 |
| 4898.531 | 161.330 | 1.002 | 14.655 |
| 10/16/2016 6:55:00 PM | 334500.000 | 12.053 | 17.694 |
| 27.472 | 6198.361 | 7203.575 | 4.001 |
| 4898.431 | 161.333 | 1.002 | 14.656 |
| 10/16/2016 7:00:00 PM | 334800.000 | 12.051 | 17.694 |
| 27.469 | 6198.190 | 7203.434 | 4.001 |
| 4898.335 | 161.337 | 1.002 | 14.657 |
| 10/16/2016 7:05:00 PM | 335100.000 | 12.054 | 17.694 |
| 27.474 | 6197.791 | 7202.928 | 4.001 |
| 4897.992 | 161.348 | 1.002 | 14.655 |
| 10/16/2016 7:10:00 PM | 335400.000 | 12.056 | 17.694 |
| 27.479 | 6197.835 | 7202.936 | 4.001 |
| 4897.997 | 161.347 | 1.002 | 14.653 |
| 10/16/2016 7:15:00 PM | 335700.000 | 12.063 | 17.694 |
| 27.494 | 6197.537 | 7202.645 | 4.001 |
| 4897.799 | 161.354 | 1.002 | 14.651 |
| 10/16/2016 7:20:00 PM | 336000.000 | 12.061 | 17.694 |
| 27.492 | 6197.529 | 7202.677 | 4.001 |
| 4897.820 | 161.355 | 1.002 | 14.653 |
| 10/16/2016 7:25:00 PM | 336300.000 | 12.055 | 17.694 |
| 27.477 | 6197.192 | 7202.244 | 4.001 |
| 4897.526 | 161.363 | 1.002 | 14.654 |
| 10/16/2016 7:30:00 PM | 336600.000 | 12.056 | 17.694 |
| 27.480 | 6197.215 | 7202.285 | 4.001 |
| 4897.554 | 161.363 | 1.002 | 14.656 |
| 10/16/2016 7:35:00 PM | 336900.000 | 12.055 | 17.693 |
| 27.477 | 6196.855 | 7201.922 | 4.000 |
| 4897.308 | 161.372 | 1.002 | 14.659 |
| 10/16/2016 7:40:00 PM | 337200.000 | 12.050 | 17.694 |
| 27.466 | 6196.979 | 7201.985 | 4.000 |
| 4897.350 | 161.369 | 1.002 | 14.662 |
| 10/16/2016 7:45:00 PM | 337500.000 | 12.047 | 17.694 |
| 27.458 | 6196.560 | 7201.538 | 4.000 |
| 4897.046 | 161.380 | 1.002 | 14.665 |
| 10/16/2016 7:50:00 PM | 337800.000 | 12.057 | 17.694 |
| 27.481 | 6197.100 | 7202.137 | 4.001 |
| 4897.453 | 161.366 | 1.002 | 14.660 |
| 10/16/2016 7:55:00 PM | 338100.000 | 12.060 | 17.694 |
| 27.489 | 6196.424 | 7201.393 | 4.000 |
| 4896.947 | 161.383 | 1.002 | 14.656 |
| 10/16/2016 8:00:00 PM | 338400.000 | 12.061 | 17.693 |
| 27.490 | 6196.218 | 7201.210 | 4.000 |
| 4896.823 | 161.389 | 1.002 | 14.652 |
| 10/16/2016 8:05:00 PM | 338700.000 | 12.067 | 17.694 |

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|---|---|---|---|
| 27.504 | 6196.889 | 7201.879 | 4.000 |
| 4897.278 | 161.371 | 1.002 | 14.651 |
| 10/16/2016 8:10:00 PM | 339000.000 | 12.069 | 17.694 |
| 27.510 | 6196.380 | 7201.288 | 4.000 |
| 4896.876 | 161.385 | 1.002 | 14.650 |
| 10/16/2016 8:15:00 PM | 339300.000 | 12.070 | 17.694 |
| 27.511 | 6196.748 | 7201.686 | 4.000 |
| 4897.146 | 161.375 | 1.002 | 14.650 |
| 10/16/2016 8:20:00 PM | 339600.000 | 12.065 | 17.694 |
| 27.500 | 6196.044 | 7200.924 | 4.000 |
| 4896.629 | 161.393 | 1.002 | 14.654 |
| 10/16/2016 8:25:00 PM | 339900.000 | 12.062 | 17.694 |
| 27.492 | 6197.090 | 7202.155 | 4.001 |
| 4897.466 | 161.366 | 1.002 | 14.657 |
| 10/16/2016 8:30:00 PM | 340200.000 | 12.059 | 17.694 |
| 27.486 | 6196.513 | 7201.469 | 4.000 |
| 4897.000 | 161.381 | 1.002 | 14.661 |
| 10/16/2016 8:35:00 PM | 340500.000 | 12.057 | 17.694 |
| 27.482 | 6195.947 | 7200.812 | 4.000 |
| 4896.552 | 161.396 | 1.002 | 14.660 |
| 10/16/2016 8:40:00 PM | 340800.000 | 12.057 | 17.694 |
| 27.481 | 6196.257 | 7201.129 | 4.000 |
| 4896.768 | 161.388 | 1.002 | 14.660 |
| 10/16/2016 8:45:00 PM | 341100.000 | 12.060 | 17.694 |
| 27.488 | 6196.392 | 7201.273 | 4.000 |
| 4896.866 | 161.384 | 1.002 | 14.659 |
| 10/16/2016 8:50:00 PM | 341400.000 | 12.062 | 17.694 |
| 27.494 | 6197.113 | 7202.208 | 4.001 |
| 4897.501 | 161.365 | 1.002 | 14.660 |
| 10/16/2016 8:55:00 PM | 341700.000 | 12.057 | 17.694 |
| 27.482 | 6196.979 | 7201.968 | 4.000 |
| 4897.338 | 161.369 | 1.002 | 14.661 |
| 10/16/2016 9:00:00 PM | 342000.000 | 12.063 | 17.693 |
| 27.496 | 6197.437 | 7202.599 | 4.001 |
| 4897.768 | 161.357 | 1.002 | 14.661 |
| 10/16/2016 9:05:00 PM | 342300.000 | 12.058 | 17.694 |
| 27.483 | 6197.501 | 7202.562 | 4.001 |
| 4897.742 | 161.355 | 1.002 | 14.660 |
| 10/16/2016 9:10:00 PM | 342600.000 | 12.060 | 17.694 |
| 27.489 | 6198.021 | 7203.237 | 4.001 |
| 4898.202 | 161.342 | 1.002 | 14.659 |
| 10/16/2016 9:15:00 PM | 342900.000 | 12.061 | 17.694 |
| 27.491 | 6197.192 | 7202.232 | 4.001 |
| 4897.518 | 161.363 | 1.002 | 14.658 |
| 10/16/2016 9:20:00 PM | 343200.000 | 12.064 | 17.694 |
| 27.498 | 6196.705 | 7201.692 | 4.000 |
| 4897.151 | 161.376 | 1.002 | 14.660 |
| 10/16/2016 9:25:00 PM | 343500.000 | 12.061 | 17.694 |
| 27.491 | 6198.211 | 7203.374 | 4.001 |
| 4898.294 | 161.337 | 1.002 | 14.661 |
| 10/16/2016 9:30:00 PM | 343800.000 | 12.064 | 17.694 |
| 27.498 | 6197.388 | 7202.471 | 4.001 |
| 4897.681 | 161.358 | 1.002 | 14.662 |
| 10/16/2016 9:35:00 PM | 344100.000 | 12.059 | 17.694 |
| 27.486 | 6197.637 | 7202.733 | 4.001 |
| 4897.859 | 161.352 | 1.002 | 14.664 |

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|---|---|---|---|
| 10/16/2016 9:40:00 PM | 344400.000 | 12.062 | 17.694 |
| 27.494 | 6197.974 | 7203.152 | 4.001 |
| 4898.144 | 161.343 | 1.002 | 14.666 |
| 10/16/2016 9:45:00 PM | 344700.000 | 12.060 | 17.694 |
| 27.489 | 6198.501 | 7203.753 | 4.002 |
| 4898.552 | 161.329 | 1.002 | 14.667 |
| 10/16/2016 9:50:00 PM | 345000.000 | 12.055 | 17.694 |
| 27.478 | 6197.303 | 7202.332 | 4.001 |
| 4897.586 | 161.361 | 1.002 | 14.669 |
| 10/16/2016 9:55:00 PM | 345300.000 | 12.054 | 17.694 |
| 27.476 | 6197.562 | 7202.632 | 4.001 |
| 4897.791 | 161.354 | 1.002 | 14.670 |
| 10/16/2016 10:00:00 PM | 345600.000 | 12.060 | 17.694 |
| 27.489 | 6197.728 | 7202.867 | 4.001 |
| 4897.949 | 161.349 | 1.002 | 14.672 |
| 10/16/2016 10:05:00 PM | 345900.000 | 12.060 | 17.694 |
| 27.488 | 6198.668 | 7204.000 | 4.002 |
| 4898.720 | 161.325 | 1.002 | 14.672 |
| 10/16/2016 10:10:00 PM | 346200.000 | 12.056 | 17.693 |
| 27.479 | 6199.114 | 7204.547 | 4.002 |
| 4899.093 | 161.313 | 1.002 | 14.672 |
| 10/16/2016 10:15:00 PM | 346500.000 | 12.060 | 17.694 |
| 27.490 | 6199.067 | 7204.479 | 4.002 |
| 4899.046 | 161.315 | 1.002 | 14.672 |
| 10/16/2016 10:20:00 PM | 346800.000 | 12.059 | 17.693 |
| 27.485 | 6198.389 | 7203.705 | 4.001 |
| 4898.519 | 161.332 | 1.002 | 14.669 |
| 10/16/2016 10:25:00 PM | 347100.000 | 12.067 | 17.694 |
| 27.504 | 6199.055 | 7204.451 | 4.002 |
| 4899.026 | 161.315 | 1.002 | 14.667 |
| 10/16/2016 10:30:00 PM | 347400.000 | 12.068 | 17.694 |
| 27.506 | 6197.987 | 7203.209 | 4.001 |
| 4898.183 | 161.343 | 1.002 | 14.664 |
| 10/16/2016 10:35:00 PM | 347700.000 | 12.069 | 17.694 |
| 27.508 | 6200.054 | 7205.612 | 4.003 |
| 4899.816 | 161.289 | 1.002 | 14.667 |
| 10/16/2016 10:40:00 PM | 348000.000 | 12.065 | 17.694 |
| 27.500 | 6199.633 | 7205.000 | 4.002 |
| 4899.400 | 161.300 | 1.002 | 14.670 |
| 10/16/2016 10:45:00 PM | 348300.000 | 12.067 | 17.693 |
| 27.505 | 6200.132 | 7205.730 | 4.003 |
| 4899.897 | 161.287 | 1.002 | 14.674 |
| 10/16/2016 10:50:00 PM | 348600.000 | 12.061 | 17.694 |
| 27.490 | 6200.092 | 7205.629 | 4.003 |
| 4899.828 | 161.288 | 1.002 | 14.675 |
| 10/16/2016 10:55:00 PM | 348900.000 | 12.065 | 17.693 |
| 27.499 | 6200.185 | 7205.834 | 4.003 |
| 4899.968 | 161.286 | 1.002 | 14.676 |
| 10/16/2016 11:00:00 PM | 349200.000 | 12.065 | 17.694 |
| 27.500 | 6199.852 | 7205.335 | 4.002 |
| 4899.628 | 161.294 | 1.002 | 14.677 |
| 10/16/2016 11:05:00 PM | 349500.000 | 12.067 | 17.694 |
| 27.503 | 6200.749 | 7206.349 | 4.003 |
| 4900.318 | 161.271 | 1.002 | 14.677 |
| 10/16/2016 11:10:00 PM | 349800.000 | 12.061 | 17.694 |
| 27.492 | 6201.170 | 7206.826 | 4.003 |

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|---|---|---|---|
| 4900.642 | 161.260 | 1.002 | 14.677 |
| 10/16/2016 11:15:00 PM | 350100.000 | 12.066 | 17.694 |
| 27.502 | 6201.650 | 7207.481 | 4.004 |
| 4901.087 | 161.247 | 1.002 | 14.677 |
| 10/16/2016 11:20:00 PM | 350400.000 | 12.062 | 17.694 |
| 27.492 | 6200.851 | 7206.484 | 4.003 |
| 4900.409 | 161.268 | 1.002 | 14.679 |
| 10/16/2016 11:25:00 PM | 350700.000 | 12.061 | 17.694 |
| 27.490 | 6201.251 | 7206.950 | 4.003 |
| 4900.727 | 161.258 | 1.002 | 14.681 |
| 10/16/2016 11:30:00 PM | 351000.000 | 12.063 | 17.694 |
| 27.494 | 6201.608 | 7207.433 | 4.004 |
| 4901.054 | 161.249 | 1.002 | 14.682 |
| 10/16/2016 11:35:00 PM | 351300.000 | 12.059 | 17.694 |
| 27.486 | 6201.444 | 7207.215 | 4.004 |
| 4900.907 | 161.253 | 1.002 | 14.681 |
| 10/16/2016 11:40:00 PM | 351600.000 | 12.064 | 17.694 |
| 27.497 | 6201.080 | 7206.803 | 4.003 |
| 4900.626 | 161.262 | 1.002 | 14.680 |
| 10/16/2016 11:45:00 PM | 351900.000 | 12.062 | 17.694 |
| 27.494 | 6201.492 | 7207.283 | 4.004 |
| 4900.952 | 161.252 | 1.002 | 14.678 |
| 10/16/2016 11:50:00 PM | 352200.000 | 12.063 | 17.694 |
| 27.496 | 6202.925 | 7208.906 | 4.005 |
| 4902.056 | 161.214 | 1.002 | 14.679 |
| 10/16/2016 11:55:00 PM | 352500.000 | 12.064 | 17.694 |
| 27.497 | 6202.105 | 7207.942 | 4.004 |
| 4901.401 | 161.236 | 1.002 | 14.680 |
| 10/17/2016 12:00:00 AM | 352800.000 | 12.064 | 17.694 |
| 27.499 | 6201.497 | 7207.234 | 4.004 |
| 4900.919 | 161.251 | 1.002 | 14.680 |
| 10/17/2016 12:05:00 AM | 353100.000 | 12.065 | 17.694 |
| 27.500 | 6201.913 | 7207.661 | 4.004 |
| 4901.210 | 161.241 | 1.002 | 14.679 |
| 10/17/2016 12:10:00 AM | 353400.000 | 12.068 | 17.694 |
| 27.506 | 6201.844 | 7207.639 | 4.004 |
| 4901.194 | 161.242 | 1.002 | 14.678 |
| 10/17/2016 12:15:00 AM | 353700.000 | 12.068 | 17.694 |
| 27.506 | 6201.042 | 7206.649 | 4.003 |
| 4900.522 | 161.263 | 1.002 | 14.676 |
| 10/17/2016 12:20:00 AM | 354000.000 | 12.070 | 17.694 |
| 27.512 | 6201.084 | 7206.782 | 4.003 |
| 4900.612 | 161.262 | 1.002 | 14.680 |
| 10/17/2016 12:25:00 AM | 354300.000 | 12.069 | 17.694 |
| 27.509 | 6202.400 | 7208.284 | 4.004 |
| 4901.634 | 161.228 | 1.002 | 14.683 |
| 10/17/2016 12:30:00 AM | 354600.000 | 12.067 | 17.694 |
| 27.504 | 6201.059 | 7206.710 | 4.003 |
| 4900.563 | 161.263 | 1.002 | 14.687 |
| 10/17/2016 12:35:00 AM | 354900.000 | 12.063 | 17.693 |
| 27.496 | 6201.911 | 7207.798 | 4.004 |
| 4901.303 | 161.241 | 1.002 | 14.688 |
| 10/17/2016 12:40:00 AM | 355200.000 | 12.069 | 17.694 |
| 27.508 | 6201.080 | 7206.792 | 4.003 |
| 4900.619 | 161.262 | 1.002 | 14.688 |
| 10/17/2016 12:45:00 AM | 355500.000 | 12.069 | 17.693 |

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|---|---|---|---|
| 27.509 | 6202.191 | 7208.208 | 4.004 |
| 4901.581 | 161.233 | 1.002 | 14.689 |
| 10/17/2016 12:50:00 AM | 355800.000 | 12.066 | 17.694 |
| 27.501 | 6202.169 | 7207.974 | 4.004 |
| 4901.422 | 161.234 | 1.002 | 14.693 |
| 10/17/2016 12:55:00 AM | 356100.000 | 12.064 | 17.694 |
| 27.499 | 6200.863 | 7206.525 | 4.003 |
| 4900.438 | 161.268 | 1.002 | 14.696 |
| 10/17/2016 1:00:00 AM | 356400.000 | 12.063 | 17.694 |
| 27.496 | 6201.867 | 7207.635 | 4.004 |
| 4901.192 | 161.242 | 1.002 | 14.700 |
| 10/17/2016 1:05:00 AM | 356700.000 | 12.064 | 17.694 |
| 27.499 | 6200.559 | 7206.128 | 4.003 |
| 4900.168 | 161.276 | 1.002 | 14.699 |
| 10/17/2016 1:10:00 AM | 357000.000 | 12.062 | 17.693 |
| 27.492 | 6201.832 | 7207.735 | 4.004 |
| 4901.260 | 161.243 | 1.002 | 14.699 |
| 10/17/2016 1:15:00 AM | 357300.000 | 12.067 | 17.694 |
| 27.504 | 6201.126 | 7206.789 | 4.003 |
| 4900.617 | 161.261 | 1.002 | 14.699 |
| 10/17/2016 1:20:00 AM | 357600.000 | 12.062 | 17.694 |
| 27.494 | 6201.732 | 7207.520 | 4.004 |
| 4901.114 | 161.245 | 1.002 | 14.700 |
| 10/17/2016 1:25:00 AM | 357900.000 | 12.065 | 17.694 |
| 27.501 | 6201.321 | 7207.099 | 4.004 |
| 4900.828 | 161.256 | 1.002 | 14.701 |
| 10/17/2016 1:30:00 AM | 358200.000 | 12.066 | 17.694 |
| 27.503 | 6201.875 | 7207.675 | 4.004 |
| 4901.219 | 161.242 | 1.002 | 14.701 |
| 10/17/2016 1:35:00 AM | 358500.000 | 12.064 | 17.694 |
| 27.497 | 6202.062 | 7207.904 | 4.004 |
| 4901.375 | 161.237 | 1.002 | 14.701 |
| 10/17/2016 1:40:00 AM | 358800.000 | 12.064 | 17.694 |
| 27.498 | 6201.245 | 7206.942 | 4.003 |
| 4900.721 | 161.258 | 1.002 | 14.701 |
| 10/17/2016 1:45:00 AM | 359100.000 | 12.071 | 17.694 |
| 27.514 | 6201.786 | 7207.624 | 4.004 |
| 4901.185 | 161.244 | 1.002 | 14.700 |
| 10/17/2016 1:50:00 AM | 359400.000 | 12.069 | 17.694 |
| 27.508 | 6200.664 | 7206.267 | 4.003 |
| 4900.261 | 161.273 | 1.002 | 14.702 |
| 10/17/2016 1:55:00 AM | 359700.000 | 12.067 | 17.694 |
| 27.505 | 6201.673 | 7207.494 | 4.004 |
| 4901.096 | 161.247 | 1.002 | 14.704 |
| 10/17/2016 2:00:00 AM | 360000.000 | 12.066 | 17.693 |
| 27.502 | 6201.145 | 7206.907 | 4.003 |
| 4900.697 | 161.261 | 1.002 | 14.707 |
| 10/17/2016 2:05:00 AM | 360300.000 | 12.068 | 17.694 |
| 27.508 | 6201.317 | 7207.053 | 4.003 |
| 4900.796 | 161.256 | 1.002 | 14.705 |
| 10/17/2016 2:10:00 AM | 360600.000 | 12.064 | 17.694 |
| 27.498 | 6201.569 | 7207.346 | 4.004 |
| 4900.995 | 161.250 | 1.002 | 14.704 |
| 10/17/2016 2:15:00 AM | 360900.000 | 12.070 | 17.694 |
| 27.512 | 6200.534 | 7206.169 | 4.003 |
| 4900.196 | 161.276 | 1.002 | 14.703 |

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|---|---|---|---|
| 10/17/2016 2:20:00 AM | 361200.000 | 12.070 | 17.694 |
| 27.511 | 6201.592 | 7207.387 | 4.004 |
| 4901.024 | 161.249 | 1.002 | 14.705 |
| 10/17/2016 2:25:00 AM | 361500.000 | 12.068 | 17.694 |
| 27.508 | 6201.024 | 7206.739 | 4.003 |
| 4900.583 | 161.264 | 1.002 | 14.707 |
| 10/17/2016 2:30:00 AM | 361800.000 | 12.066 | 17.694 |
| 27.502 | 6201.031 | 7206.720 | 4.003 |
| 4900.570 | 161.264 | 1.002 | 14.709 |
| 10/17/2016 2:35:00 AM | 362100.000 | 12.063 | 17.693 |
| 27.496 | 6200.735 | 7206.432 | 4.003 |
| 4900.374 | 161.271 | 1.002 | 14.708 |
| 10/17/2016 2:40:00 AM | 362400.000 | 12.068 | 17.694 |
| 27.506 | 6201.424 | 7207.163 | 4.004 |
| 4900.871 | 161.253 | 1.002 | 14.708 |
| 10/17/2016 2:45:00 AM | 362700.000 | 12.069 | 17.694 |
| 27.509 | 6200.672 | 7206.303 | 4.003 |
| 4900.286 | 161.273 | 1.002 | 14.707 |
| 10/17/2016 2:50:00 AM | 363000.000 | 12.068 | 17.694 |
| 27.508 | 6200.551 | 7206.135 | 4.003 |
| 4900.172 | 161.276 | 1.002 | 14.707 |
| 10/17/2016 2:55:00 AM | 363300.000 | 12.064 | 17.694 |
| 27.497 | 6200.819 | 7206.418 | 4.003 |
| 4900.364 | 161.269 | 1.002 | 14.708 |
| 10/17/2016 3:00:00 AM | 363600.000 | 12.063 | 17.694 |
| 27.496 | 6201.151 | 7206.874 | 4.003 |
| 4900.674 | 161.260 | 1.002 | 14.709 |
| 10/17/2016 3:05:00 AM | 363900.000 | 12.069 | 17.694 |
| 27.508 | 6201.220 | 7206.914 | 4.003 |
| 4900.702 | 161.259 | 1.002 | 14.708 |
| 10/17/2016 3:10:00 AM | 364200.000 | 12.071 | 17.693 |
| 27.513 | 6200.651 | 7206.363 | 4.003 |
| 4900.327 | 161.273 | 1.002 | 14.707 |
| 10/17/2016 3:15:00 AM | 364500.000 | 12.068 | 17.694 |
| 27.506 | 6201.037 | 7206.742 | 4.003 |
| 4900.584 | 161.263 | 1.002 | 14.705 |
| 10/17/2016 3:20:00 AM | 364800.000 | 12.071 | 17.694 |
| 27.513 | 6200.535 | 7206.101 | 4.003 |
| 4900.149 | 161.276 | 1.002 | 14.707 |
| 10/17/2016 3:25:00 AM | 365100.000 | 12.071 | 17.694 |
| 27.513 | 6200.884 | 7206.493 | 4.003 |
| 4900.416 | 161.267 | 1.002 | 14.709 |
| 10/17/2016 3:30:00 AM | 365400.000 | 12.069 | 17.694 |
| 27.509 | 6200.828 | 7206.525 | 4.003 |
| 4900.438 | 161.269 | 1.002 | 14.710 |
| 10/17/2016 3:35:00 AM | 365700.000 | 12.070 | 17.694 |
| 27.511 | 6201.151 | 7206.804 | 4.003 |
| 4900.626 | 161.260 | 1.002 | 14.710 |
| 10/17/2016 3:40:00 AM | 366000.000 | 12.070 | 17.694 |
| 27.512 | 6201.819 | 7207.622 | 4.004 |
| 4901.183 | 161.243 | 1.002 | 14.710 |
| 10/17/2016 3:45:00 AM | 366300.000 | 12.071 | 17.694 |
| 27.514 | 6201.290 | 7207.006 | 4.003 |
| 4900.765 | 161.257 | 1.002 | 14.709 |
| 10/17/2016 3:50:00 AM | 366600.000 | 12.066 | 17.694 |
| 27.503 | 6200.801 | 7206.479 | 4.003 |

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|---|---|---|---|
| 4900.406 | 161.270 | 1.002 | 14.709 |
| 10/17/2016 3:55:00 AM | 366900.000 | 12.070 | 17.694 |
| 27.512 | 6201.741 | 7207.435 | 4.004 |
| 4901.056 | 161.245 | 1.002 | 14.709 |
| 10/17/2016 4:00:00 AM | 367200.000 | 12.068 | 17.694 |
| 27.506 | 6201.868 | 7207.667 | 4.004 |
| 4901.214 | 161.242 | 1.002 | 14.709 |
| 10/17/2016 4:05:00 AM | 367500.000 | 12.071 | 17.694 |
| 27.513 | 6202.639 | 7208.546 | 4.004 |
| 4901.812 | 161.222 | 1.002 | 14.711 |
| 10/17/2016 4:10:00 AM | 367800.000 | 12.071 | 17.694 |
| 27.513 | 6202.559 | 7208.495 | 4.004 |
| 4901.777 | 161.224 | 1.002 | 14.712 |
| 10/17/2016 4:15:00 AM | 368100.000 | 12.069 | 17.694 |
| 27.509 | 6202.399 | 7208.325 | 4.004 |
| 4901.662 | 161.228 | 1.002 | 14.714 |
| 10/17/2016 4:20:00 AM | 368400.000 | 12.072 | 17.694 |
| 27.515 | 6202.395 | 7208.291 | 4.004 |
| 4901.638 | 161.228 | 1.002 | 14.714 |
| 10/17/2016 4:25:00 AM | 368700.000 | 12.071 | 17.693 |
| 27.514 | 6203.621 | 7209.800 | 4.005 |
| 4902.664 | 161.196 | 1.002 | 14.713 |
| 10/17/2016 4:30:00 AM | 369000.000 | 12.068 | 17.694 |
| 27.506 | 6202.874 | 7208.848 | 4.005 |
| 4902.017 | 161.216 | 1.002 | 14.713 |
| 10/17/2016 4:35:00 AM | 369300.000 | 12.069 | 17.694 |
| 27.509 | 6202.411 | 7208.268 | 4.004 |
| 4901.623 | 161.228 | 1.002 | 14.711 |
| 10/17/2016 4:40:00 AM | 369600.000 | 12.073 | 17.694 |
| 27.519 | 6203.139 | 7209.114 | 4.005 |
| 4902.197 | 161.209 | 1.002 | 14.710 |
| 10/17/2016 4:45:00 AM | 369900.000 | 12.080 | 17.694 |
| 27.533 | 6202.727 | 7208.706 | 4.004 |
| 4901.921 | 161.219 | 1.002 | 14.708 |
| 10/17/2016 4:50:00 AM | 370200.000 | 12.074 | 17.694 |
| 27.519 | 6202.628 | 7208.562 | 4.004 |
| 4901.823 | 161.222 | 1.002 | 14.712 |
| 10/17/2016 4:55:00 AM | 370500.000 | 12.065 | 17.694 |
| 27.500 | 6199.121 | 7204.486 | 4.002 |
| 4899.051 | 161.313 | 1.002 | 14.717 |
| 10/17/2016 5:00:00 AM | 370800.000 | 12.061 | 17.694 |
| 27.491 | 6192.798 | 7197.109 | 3.998 |
| 4894.035 | 161.478 | 1.002 | 14.721 |
| 10/17/2016 5:05:00 AM | 371100.000 | 12.064 | 17.694 |
| 27.499 | 6181.515 | 7183.969 | 3.990 |
| 4885.100 | 161.773 | 1.002 | 14.719 |
| 10/17/2016 5:10:00 AM | 371400.000 | 12.067 | 17.694 |
| 27.504 | 6167.829 | 7168.064 | 3.980 |
| 4874.284 | 162.132 | 1.002 | 14.717 |
| 10/17/2016 5:15:00 AM | 371700.000 | 12.073 | 17.695 |
| 27.519 | 6155.458 | 7153.548 | 3.972 |
| 4864.413 | 162.457 | 1.002 | 14.716 |
| 10/17/2016 5:20:00 AM | 372000.000 | 12.072 | 17.695 |
| 27.517 | 6146.300 | 7142.935 | 3.965 |
| 4857.196 | 162.700 | 1.002 | 14.719 |
| 10/17/2016 5:25:00 AM | 372300.000 | 12.071 | 17.694 |

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|---|---|---|---|
| 27.513 | 6134.525 | 7129.386 | 3.957 |
| 4847.983 | 163.012 | 1.002 | 14.722 |
| 10/17/2016 5:30:00 AM | 372600.000 | 12.069 | 17.694 |
| 27.509 | 6125.540 | 7118.902 | 3.951 |
| 4840.854 | 163.251 | 1.002 | 14.724 |
| 10/17/2016 5:35:00 AM | 372900.000 | 12.062 | 17.694 |
| 27.494 | 6117.330 | 7109.389 | 3.946 |
| 4834.385 | 163.470 | 1.002 | 14.726 |
| 10/17/2016 5:40:00 AM | 373200.000 | 12.063 | 17.694 |
| 27.494 | 6107.729 | 7098.177 | 3.939 |
| 4826.761 | 163.727 | 1.002 | 14.727 |
| 10/17/2016 5:45:00 AM | 373500.000 | 12.067 | 17.695 |
| 27.505 | 6099.877 | 7089.026 | 3.933 |
| 4820.538 | 163.938 | 1.002 | 14.729 |
| 10/17/2016 5:50:00 AM | 373800.000 | 12.069 | 17.695 |
| 27.509 | 6091.982 | 7079.850 | 3.928 |
| 4814.299 | 164.150 | 1.002 | 14.728 |
| 10/17/2016 5:55:00 AM | 374100.000 | 12.070 | 17.694 |
| 27.512 | 6084.948 | 7071.702 | 3.923 |
| 4808.758 | 164.340 | 1.002 | 14.727 |
| 10/17/2016 6:00:00 AM | 374400.000 | 12.072 | 17.694 |
| 27.516 | 6077.202 | 7062.740 | 3.918 |
| 4802.664 | 164.549 | 1.002 | 14.726 |
| 10/17/2016 6:05:00 AM | 374700.000 | 12.072 | 17.694 |
| 27.516 | 6068.917 | 7053.072 | 3.912 |
| 4796.089 | 164.774 | 1.002 | 14.726 |
| 10/17/2016 6:10:00 AM | 375000.000 | 12.072 | 17.695 |
| 27.516 | 6061.000 | 7043.828 | 3.907 |
| 4789.803 | 164.989 | 1.002 | 14.727 |
| 10/17/2016 6:15:00 AM | 375300.000 | 12.072 | 17.694 |
| 27.515 | 6054.174 | 7035.978 | 3.902 |
| 4784.466 | 165.175 | 1.002 | 14.728 |
| 10/17/2016 6:20:00 AM | 375600.000 | 12.069 | 17.694 |
| 27.509 | 6046.839 | 7027.413 | 3.897 |
| 4778.641 | 165.376 | 1.002 | 14.728 |
| 10/17/2016 6:25:00 AM | 375900.000 | 12.074 | 17.694 |
| 27.520 | 6040.098 | 7019.619 | 3.892 |
| 4773.341 | 165.560 | 1.002 | 14.728 |
| 10/17/2016 6:30:00 AM | 376200.000 | 12.074 | 17.694 |
| 27.521 | 6032.813 | 7011.165 | 3.887 |
| 4767.592 | 165.760 | 1.002 | 14.729 |
| 10/17/2016 6:35:00 AM | 376500.000 | 12.072 | 17.694 |
| 27.516 | 6026.921 | 7004.279 | 3.883 |
| 4762.910 | 165.922 | 1.002 | 14.731 |
| 10/17/2016 6:40:00 AM | 376800.000 | 12.070 | 17.694 |
| 27.512 | 6019.497 | 6995.677 | 3.878 |
| 4757.060 | 166.127 | 1.002 | 14.734 |
| 10/17/2016 6:45:00 AM | 377100.000 | 12.068 | 17.695 |
| 27.507 | 6012.534 | 6987.530 | 3.873 |
| 4751.521 | 166.319 | 1.002 | 14.737 |
| 10/17/2016 6:50:00 AM | 377400.000 | 12.066 | 17.695 |
| 27.502 | 6005.337 | 6979.127 | 3.868 |
| 4745.806 | 166.519 | 1.002 | 14.735 |
| 10/17/2016 6:55:00 AM | 377700.000 | 12.071 | 17.694 |
| 27.514 | 5999.441 | 6972.343 | 3.864 |
| 4741.194 | 166.682 | 1.002 | 14.733 |

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|---|---|---|---|
| 10/17/2016 7:00:00 AM | 378000.000 | 12.074 | 17.694 |
| 27.520 | 5993.544 | 6965.490 | 3.860 |
| 4736.534 | 166.846 | 1.002 | 14.731 |
| 10/17/2016 7:05:00 AM | 378300.000 | 12.071 | 17.694 |
| 27.514 | 5988.095 | 6959.168 | 3.856 |
| 4732.234 | 166.998 | 1.002 | 14.734 |
| 10/17/2016 7:10:00 AM | 378600.000 | 12.069 | 17.694 |
| 27.508 | 5982.027 | 6952.130 | 3.852 |
| 4727.449 | 167.167 | 1.002 | 14.737 |
| 10/17/2016 7:15:00 AM | 378900.000 | 12.062 | 17.694 |
| 27.493 | 5975.842 | 6944.902 | 3.848 |
| 4722.534 | 167.340 | 1.002 | 14.740 |
| 10/17/2016 7:20:00 AM | 379200.000 | 12.063 | 17.694 |
| 27.495 | 5970.434 | 6938.618 | 3.844 |
| 4718.260 | 167.492 | 1.002 | 14.739 |
| 10/17/2016 7:25:00 AM | 379500.000 | 12.068 | 17.695 |
| 27.507 | 5965.283 | 6932.590 | 3.841 |
| 4714.162 | 167.637 | 1.002 | 14.738 |
| 10/17/2016 7:30:00 AM | 379800.000 | 12.069 | 17.694 |
| 27.510 | 5960.395 | 6926.950 | 3.837 |
| 4710.326 | 167.774 | 1.002 | 14.736 |
| 10/17/2016 7:35:00 AM | 380100.000 | 12.063 | 17.695 |
| 27.495 | 5955.009 | 6920.625 | 3.834 |
| 4706.025 | 167.926 | 1.002 | 14.738 |
| 10/17/2016 7:40:00 AM | 380400.000 | 12.065 | 17.694 |
| 27.499 | 5949.941 | 6914.816 | 3.830 |
| 4702.075 | 168.069 | 1.002 | 14.739 |
| 10/17/2016 7:45:00 AM | 380700.000 | 12.069 | 17.694 |
| 27.508 | 5944.729 | 6908.745 | 3.827 |
| 4697.947 | 168.216 | 1.002 | 14.740 |
| 10/17/2016 7:50:00 AM | 381000.000 | 12.069 | 17.694 |
| 27.509 | 5940.352 | 6903.750 | 3.824 |
| 4694.550 | 168.340 | 1.002 | 14.742 |
| 10/17/2016 7:55:00 AM | 381300.000 | 12.068 | 17.694 |
| 27.506 | 5935.500 | 6898.139 | 3.820 |
| 4690.735 | 168.478 | 1.002 | 14.743 |
| 10/17/2016 8:00:00 AM | 381600.000 | 12.064 | 17.695 |
| 27.497 | 5931.115 | 6892.909 | 3.817 |
| 4687.178 | 168.602 | 1.002 | 14.745 |
| 10/17/2016 8:05:00 AM | 381900.000 | 12.064 | 17.694 |
| 27.497 | 5927.376 | 6888.578 | 3.815 |
| 4684.234 | 168.709 | 1.002 | 14.746 |
| 10/17/2016 8:10:00 AM | 382200.000 | 12.068 | 17.694 |
| 27.506 | 5923.712 | 6884.334 | 3.812 |
| 4681.347 | 168.813 | 1.002 | 14.747 |
| 10/17/2016 8:15:00 AM | 382500.000 | 12.067 | 17.694 |
| 27.505 | 5919.780 | 6879.764 | 3.809 |
| 4678.239 | 168.925 | 1.002 | 14.748 |
| 10/17/2016 8:20:00 AM | 382800.000 | 12.067 | 17.695 |
| 27.505 | 5915.545 | 6874.802 | 3.807 |
| 4674.866 | 169.046 | 1.002 | 14.749 |
| 10/17/2016 8:25:00 AM | 383100.000 | 12.062 | 17.695 |
| 27.493 | 5912.562 | 6871.335 | 3.804 |
| 4672.509 | 169.131 | 1.002 | 14.749 |
| 10/17/2016 8:30:00 AM | 383400.000 | 12.063 | 17.695 |
| 27.496 | 5910.340 | 6868.753 | 3.803 |

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|---|---|---|---|
| 4670.752 | 169.195 | 1.002 | 14.750 |
| 10/17/2016 8:35:00 AM | 383700.000 | 12.067 | 17.694 |
| 27.505 | 5906.575 | 6864.403 | 3.800 |
| 4667.794 | 169.303 | 1.002 | 14.752 |
| 10/17/2016 8:40:00 AM | 384000.000 | 12.066 | 17.695 |
| 27.503 | 5903.109 | 6860.335 | 3.798 |
| 4665.028 | 169.402 | 1.002 | 14.754 |
| 10/17/2016 8:45:00 AM | 384300.000 | 12.066 | 17.694 |
| 27.501 | 5899.954 | 6856.708 | 3.796 |
| 4662.562 | 169.493 | 1.002 | 14.755 |
| 10/17/2016 8:50:00 AM | 384600.000 | 12.060 | 17.695 |
| 27.488 | 5897.159 | 6853.447 | 3.794 |
| 4660.344 | 169.573 | 1.002 | 14.756 |
| 10/17/2016 8:55:00 AM | 384900.000 | 12.064 | 17.695 |
| 27.498 | 5894.641 | 6850.493 | 3.792 |
| 4658.335 | 169.646 | 1.002 | 14.757 |
| 10/17/2016 9:00:00 AM | 385200.000 | 12.060 | 17.694 |
| 27.490 | 5890.787 | 6846.069 | 3.790 |
| 4655.327 | 169.757 | 1.002 | 14.757 |
| 10/17/2016 9:05:00 AM | 385500.000 | 12.059 | 17.695 |
| 27.487 | 5888.920 | 6843.844 | 3.788 |
| 4653.814 | 169.810 | 1.002 | 14.758 |
| 10/17/2016 9:10:00 AM | 385800.000 | 12.058 | 17.695 |
| 27.485 | 5886.990 | 6841.616 | 3.787 |
| 4652.299 | 169.866 | 1.002 | 14.758 |
| 10/17/2016 9:15:00 AM | 386100.000 | 12.062 | 17.694 |
| 27.492 | 5884.284 | 6838.497 | 3.785 |
| 4650.178 | 169.944 | 1.002 | 14.759 |
| 10/17/2016 9:20:00 AM | 386400.000 | 12.057 | 17.695 |
| 27.483 | 5881.530 | 6835.204 | 3.783 |
| 4647.939 | 170.024 | 1.002 | 14.758 |
| 10/17/2016 9:25:00 AM | 386700.000 | 12.060 | 17.694 |
| 27.489 | 5878.734 | 6832.087 | 3.781 |
| 4645.820 | 170.105 | 1.002 | 14.756 |
| 10/17/2016 9:30:00 AM | 387000.000 | 12.067 | 17.694 |
| 27.505 | 5876.794 | 6829.857 | 3.780 |
| 4644.303 | 170.161 | 1.002 | 14.755 |
| 10/17/2016 9:35:00 AM | 387300.000 | 12.067 | 17.695 |
| 27.504 | 5874.452 | 6827.057 | 3.778 |
| 4642.399 | 170.229 | 1.002 | 14.756 |
| 10/17/2016 9:40:00 AM | 387600.000 | 12.059 | 17.694 |
| 27.486 | 5873.101 | 6825.500 | 3.777 |
| 4641.341 | 170.268 | 1.002 | 14.758 |
| 10/17/2016 9:45:00 AM | 387900.000 | 12.063 | 17.694 |
| 27.496 | 5870.824 | 6822.869 | 3.776 |
| 4639.551 | 170.334 | 1.002 | 14.759 |
| 10/17/2016 9:50:00 AM | 388200.000 | 12.062 | 17.695 |
| 27.493 | 5869.050 | 6820.714 | 3.775 |
| 4638.086 | 170.385 | 1.002 | 14.758 |
| 10/17/2016 9:55:00 AM | 388500.000 | 12.058 | 17.694 |
| 27.483 | 5866.178 | 6817.494 | 3.773 |
| 4635.896 | 170.469 | 1.002 | 14.758 |
| 10/17/2016 10:00:00 AM | 388800.000 | 12.063 | 17.694 |
| 27.495 | 5864.396 | 6815.399 | 3.771 |
| 4634.471 | 170.521 | 1.002 | 14.758 |
| 10/17/2016 10:05:00 AM | 389100.000 | 12.062 | 17.695 |

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| 27.493 | 5862.148 | 6812.758 | 3.770 |
| 4632.676 | 170.586 | 1.002 | 14.759 |
| 10/17/2016 10:10:00 AM | 389400.000 | 12.059 | 17.695 |
| 27.486 | 5861.393 | 6811.880 | 3.769 |
| 4632.079 | 170.608 | 1.002 | 14.759 |
| 10/17/2016 10:15:00 AM | 389700.000 | 12.061 | 17.694 |
| 27.490 | 5858.986 | 6809.098 | 3.768 |
| 4630.187 | 170.678 | 1.002 | 14.760 |
| 10/17/2016 10:20:00 AM | 390000.000 | 12.059 | 17.694 |
| 27.485 | 5858.367 | 6808.403 | 3.767 |
| 4629.714 | 170.696 | 1.002 | 14.760 |
| 10/17/2016 10:25:00 AM | 390300.000 | 12.059 | 17.695 |
| 27.486 | 5857.892 | 6807.800 | 3.767 |
| 4629.304 | 170.710 | 1.002 | 14.760 |
| 10/17/2016 10:30:00 AM | 390600.000 | 12.064 | 17.695 |
| 27.497 | 5856.037 | 6805.617 | 3.766 |
| 4627.820 | 170.764 | 1.002 | 14.761 |
| 10/17/2016 10:35:00 AM | 390900.000 | 12.061 | 17.694 |
| 27.490 | 5855.200 | 6804.711 | 3.765 |
| 4627.204 | 170.788 | 1.002 | 14.763 |
| 10/17/2016 10:40:00 AM | 391200.000 | 12.055 | 17.694 |
| 27.478 | 5853.568 | 6802.815 | 3.764 |
| 4625.914 | 170.836 | 1.002 | 14.764 |
| 10/17/2016 10:45:00 AM | 391500.000 | 12.054 | 17.694 |
| 27.475 | 5852.684 | 6801.772 | 3.763 |
| 4625.206 | 170.862 | 1.002 | 14.766 |
| 10/17/2016 10:50:00 AM | 391800.000 | 12.062 | 17.694 |
| 27.493 | 5851.221 | 6800.138 | 3.762 |
| 4624.094 | 170.904 | 1.002 | 14.763 |
| 10/17/2016 10:55:00 AM | 392100.000 | 12.060 | 17.695 |
| 27.489 | 5850.681 | 6799.393 | 3.762 |
| 4623.587 | 170.920 | 1.002 | 14.760 |
| 10/17/2016 11:00:00 AM | 392400.000 | 12.068 | 17.694 |
| 27.506 | 5849.104 | 6797.665 | 3.761 |
| 4622.412 | 170.966 | 1.002 | 14.757 |
| 10/17/2016 11:05:00 AM | 392700.000 | 12.059 | 17.694 |
| 27.486 | 5847.724 | 6796.008 | 3.760 |
| 4621.286 | 171.007 | 1.002 | 14.760 |
| 10/17/2016 11:10:00 AM | 393000.000 | 12.061 | 17.694 |
| 27.491 | 5846.588 | 6794.688 | 3.759 |
| 4620.389 | 171.040 | 1.002 | 14.763 |
| 10/17/2016 11:15:00 AM | 393300.000 | 12.060 | 17.694 |
| 27.488 | 5845.488 | 6793.436 | 3.758 |
| 4619.537 | 171.072 | 1.002 | 14.766 |
| 10/17/2016 11:20:00 AM | 393600.000 | 12.057 | 17.694 |
| 27.483 | 5845.035 | 6792.909 | 3.758 |
| 4619.178 | 171.085 | 1.002 | 14.766 |
| 10/17/2016 11:25:00 AM | 393900.000 | 12.054 | 17.694 |
| 27.475 | 5845.059 | 6792.950 | 3.758 |
| 4619.207 | 171.085 | 1.002 | 14.767 |
| 10/17/2016 11:30:00 AM | 394200.000 | 12.054 | 17.695 |
| 27.474 | 5844.046 | 6791.694 | 3.757 |
| 4618.353 | 171.114 | 1.002 | 14.767 |
| 10/17/2016 11:35:00 AM | 394500.000 | 12.052 | 17.694 |
| 27.469 | 5842.973 | 6790.526 | 3.757 |
| 4617.559 | 171.146 | 1.002 | 14.764 |

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|---|---|---|---|
| 10/17/2016 11:40:00 AM | 394800.000 | 12.057 | 17.694 |
| 27.481 | 5842.599 | 6790.066 | 3.756 |
| 4617.245 | 171.157 | 1.002 | 14.760 |
| 10/17/2016 11:45:00 AM | 395100.000 | 12.062 | 17.694 |
| 27.493 | 5841.996 | 6789.366 | 3.756 |
| 4616.769 | 171.174 | 1.002 | 14.757 |
| 10/17/2016 11:50:00 AM | 395400.000 | 12.060 | 17.694 |
| 27.489 | 5840.961 | 6788.188 | 3.755 |
| 4615.968 | 171.205 | 1.002 | 14.760 |
| 10/17/2016 11:55:00 AM | 395700.000 | 12.057 | 17.694 |
| 27.483 | 5840.962 | 6788.189 | 3.755 |
| 4615.969 | 171.205 | 1.002 | 14.763 |
| 10/17/2016 12:00:00 PM | 396000.000 | 12.053 | 17.694 |
| 27.472 | 5840.263 | 6787.429 | 3.755 |
| 4615.452 | 171.225 | 1.002 | 14.766 |
| 10/17/2016 12:05:00 PM | 396300.000 | 12.051 | 17.694 |
| 27.467 | 5840.771 | 6787.993 | 3.755 |
| 4615.835 | 171.210 | 1.002 | 14.764 |
| 10/17/2016 12:10:00 PM | 396600.000 | 12.054 | 17.694 |
| 27.474 | 5840.516 | 6787.657 | 3.755 |
| 4615.607 | 171.218 | 1.002 | 14.762 |
| 10/17/2016 12:15:00 PM | 396900.000 | 12.054 | 17.694 |
| 27.475 | 5839.750 | 6786.821 | 3.754 |
| 4615.039 | 171.240 | 1.002 | 14.760 |
| 10/17/2016 12:20:00 PM | 397200.000 | 12.058 | 17.694 |
| 27.483 | 5839.503 | 6786.455 | 3.754 |
| 4614.790 | 171.247 | 1.002 | 14.760 |
| 10/17/2016 12:25:00 PM | 397500.000 | 12.059 | 17.694 |
| 27.487 | 5838.535 | 6785.381 | 3.754 |
| 4614.060 | 171.276 | 1.002 | 14.761 |
| 10/17/2016 12:30:00 PM | 397800.000 | 12.058 | 17.695 |
| 27.483 | 5839.016 | 6785.875 | 3.754 |
| 4614.395 | 171.262 | 1.002 | 14.761 |
| 10/17/2016 12:35:00 PM | 398100.000 | 12.056 | 17.694 |
| 27.479 | 5839.561 | 6786.626 | 3.754 |
| 4614.906 | 171.246 | 1.002 | 14.763 |
| 10/17/2016 12:40:00 PM | 398400.000 | 12.054 | 17.694 |
| 27.474 | 5838.794 | 6785.722 | 3.754 |
| 4614.291 | 171.268 | 1.002 | 14.764 |
| 10/17/2016 12:45:00 PM | 398700.000 | 12.048 | 17.694 |
| 27.460 | 5838.220 | 6784.989 | 3.753 |
| 4613.793 | 171.285 | 1.002 | 14.765 |
| 10/17/2016 12:50:00 PM | 399000.000 | 12.053 | 17.694 |
| 27.473 | 5839.606 | 6786.639 | 3.754 |
| 4614.915 | 171.244 | 1.002 | 14.764 |
| 10/17/2016 12:55:00 PM | 399300.000 | 12.054 | 17.694 |
| 27.474 | 5838.322 | 6785.134 | 3.753 |
| 4613.891 | 171.282 | 1.002 | 14.762 |
| 10/17/2016 1:00:00 PM | 399600.000 | 12.055 | 17.694 |
| 27.476 | 5839.846 | 6786.854 | 3.755 |
| 4615.061 | 171.237 | 1.002 | 14.761 |
| 10/17/2016 1:05:00 PM | 399900.000 | 12.049 | 17.694 |
| 27.463 | 5839.995 | 6787.051 | 3.755 |
| 4615.195 | 171.233 | 1.002 | 14.761 |
| 10/17/2016 1:10:00 PM | 400200.000 | 12.054 | 17.694 |
| 27.475 | 5838.550 | 6785.412 | 3.754 |

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| 4614.081 | 171.275 | 1.002 | 14.760 |
| 10/17/2016 1:15:00 PM | 400500.000 | 12.053 | 17.695 |
| 27.472 | 5838.675 | 6785.479 | 3.754 |
| 4614.125 | 171.272 | 1.002 | 14.760 |
| 10/17/2016 1:20:00 PM | 400800.000 | 12.050 | 17.694 |
| 27.466 | 5839.041 | 6785.982 | 3.754 |
| 4614.468 | 171.261 | 1.002 | 14.758 |
| 10/17/2016 1:25:00 PM | 401100.000 | 12.050 | 17.694 |
| 27.467 | 5839.543 | 6786.566 | 3.754 |
| 4614.865 | 171.246 | 1.002 | 14.757 |
| 10/17/2016 1:30:00 PM | 401400.000 | 12.055 | 17.694 |
| 27.478 | 5838.736 | 6785.668 | 3.754 |
| 4614.254 | 171.270 | 1.002 | 14.755 |
| 10/17/2016 1:35:00 PM | 401700.000 | 12.051 | 17.694 |
| 27.468 | 5838.809 | 6785.712 | 3.754 |
| 4614.285 | 171.268 | 1.002 | 14.755 |
| 10/17/2016 1:40:00 PM | 402000.000 | 12.055 | 17.694 |
| 27.477 | 5838.960 | 6785.876 | 3.754 |
| 4614.396 | 171.263 | 1.002 | 14.754 |
| 10/17/2016 1:45:00 PM | 402300.000 | 12.051 | 17.694 |
| 27.467 | 5839.496 | 6786.525 | 3.754 |
| 4614.838 | 171.248 | 1.002 | 14.753 |
| 10/17/2016 1:50:00 PM | 402600.000 | 12.055 | 17.694 |
| 27.478 | 5840.299 | 6787.380 | 3.755 |
| 4615.419 | 171.224 | 1.002 | 14.753 |
| 10/17/2016 1:55:00 PM | 402900.000 | 12.053 | 17.694 |
| 27.473 | 5840.229 | 6787.299 | 3.755 |
| 4615.364 | 171.226 | 1.002 | 14.752 |
| 10/17/2016 2:00:00 PM | 403200.000 | 12.055 | 17.694 |
| 27.478 | 5839.877 | 6786.954 | 3.755 |
| 4615.129 | 171.236 | 1.002 | 14.751 |
| 10/17/2016 2:05:00 PM | 403500.000 | 12.052 | 17.694 |
| 27.471 | 5840.618 | 6787.841 | 3.755 |
| 4615.732 | 171.215 | 1.002 | 14.752 |
| 10/17/2016 2:10:00 PM | 403800.000 | 12.052 | 17.694 |
| 27.470 | 5842.402 | 6789.888 | 3.756 |
| 4617.124 | 171.162 | 1.002 | 14.754 |
| 10/17/2016 2:15:00 PM | 404100.000 | 12.049 | 17.694 |
| 27.464 | 5842.055 | 6789.421 | 3.756 |
| 4616.807 | 171.173 | 1.002 | 14.756 |
| 10/17/2016 2:20:00 PM | 404400.000 | 12.044 | 17.694 |
| 27.452 | 5842.771 | 6790.266 | 3.757 |
| 4617.381 | 171.152 | 1.002 | 14.755 |
| 10/17/2016 2:25:00 PM | 404700.000 | 12.048 | 17.694 |
| 27.460 | 5842.339 | 6789.831 | 3.756 |
| 4617.085 | 171.164 | 1.002 | 14.755 |
| 10/17/2016 2:30:00 PM | 405000.000 | 12.047 | 17.694 |
| 27.460 | 5842.021 | 6789.486 | 3.756 |
| 4616.851 | 171.174 | 1.002 | 14.755 |
| 10/17/2016 2:35:00 PM | 405300.000 | 12.043 | 17.694 |
| 27.450 | 5843.532 | 6791.256 | 3.757 |
| 4618.054 | 171.129 | 1.002 | 14.755 |
| 10/17/2016 2:40:00 PM | 405600.000 | 12.048 | 17.694 |
| 27.461 | 5844.456 | 6792.211 | 3.758 |
| 4618.704 | 171.102 | 1.002 | 14.755 |
| 10/17/2016 2:45:00 PM | 405900.000 | 12.046 | 17.694 |

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|---|---|---|---|
| 27.456 | 5843.883 | 6791.560 | 3.757 |
| 4618.261 | 171.119 | 1.002 | 14.756 |
| 10/17/2016 2:50:00 PM | 406200.000 | 12.044 | 17.694 |
| 27.451 | 5844.254 | 6791.977 | 3.758 |
| 4618.544 | 171.108 | 1.002 | 14.753 |
| 10/17/2016 2:55:00 PM | 406500.000 | 12.050 | 17.694 |
| 27.466 | 5845.176 | 6793.062 | 3.758 |
| 4619.282 | 171.081 | 1.002 | 14.750 |
| 10/17/2016 3:00:00 PM | 406800.000 | 12.046 | 17.694 |
| 27.457 | 5844.569 | 6792.395 | 3.758 |
| 4618.828 | 171.099 | 1.002 | 14.748 |
| 10/17/2016 3:05:00 PM | 407100.000 | 12.047 | 17.694 |
| 27.459 | 5845.287 | 6793.241 | 3.758 |
| 4619.404 | 171.078 | 1.002 | 14.748 |
| 10/17/2016 3:10:00 PM | 407400.000 | 12.049 | 17.694 |
| 27.463 | 5846.611 | 6794.820 | 3.759 |
| 4620.478 | 171.039 | 1.002 | 14.749 |
| 10/17/2016 3:15:00 PM | 407700.000 | 12.049 | 17.694 |
| 27.464 | 5845.894 | 6793.947 | 3.759 |
| 4619.884 | 171.060 | 1.002 | 14.750 |
| 10/17/2016 3:20:00 PM | 408000.000 | 12.049 | 17.694 |
| 27.464 | 5846.510 | 6794.598 | 3.759 |
| 4620.327 | 171.042 | 1.002 | 14.748 |
| 10/17/2016 3:25:00 PM | 408300.000 | 12.052 | 17.694 |
| 27.470 | 5847.333 | 6795.659 | 3.760 |
| 4621.048 | 171.018 | 1.002 | 14.746 |
| 10/17/2016 3:30:00 PM | 408600.000 | 12.054 | 17.694 |
| 27.475 | 5848.285 | 6796.740 | 3.760 |
| 4621.783 | 170.990 | 1.002 | 14.744 |
| 10/17/2016 3:35:00 PM | 408900.000 | 12.046 | 17.694 |
| 27.456 | 5848.350 | 6796.736 | 3.760 |
| 4621.780 | 170.988 | 1.002 | 14.748 |
| 10/17/2016 3:40:00 PM | 409200.000 | 12.041 | 17.694 |
| 27.446 | 5849.196 | 6797.784 | 3.761 |
| 4622.493 | 170.964 | 1.002 | 14.751 |
| 10/17/2016 3:45:00 PM | 409500.000 | 12.038 | 17.694 |
| 27.439 | 5849.984 | 6798.726 | 3.762 |
| 4623.134 | 170.941 | 1.002 | 14.754 |
| 10/17/2016 3:50:00 PM | 409800.000 | 12.045 | 17.694 |
| 27.455 | 5850.206 | 6798.919 | 3.762 |
| 4623.265 | 170.934 | 1.002 | 14.752 |
| 10/17/2016 3:55:00 PM | 410100.000 | 12.044 | 17.694 |
| 27.451 | 5850.235 | 6799.018 | 3.762 |
| 4623.333 | 170.933 | 1.002 | 14.749 |
| 10/17/2016 4:00:00 PM | 410400.000 | 12.051 | 17.694 |
| 27.468 | 5850.671 | 6799.538 | 3.762 |
| 4623.687 | 170.921 | 1.002 | 14.747 |
| 10/17/2016 4:05:00 PM | 410700.000 | 12.046 | 17.694 |
| 27.456 | 5851.595 | 6800.521 | 3.763 |
| 4624.355 | 170.894 | 1.002 | 14.749 |
| 10/17/2016 4:10:00 PM | 411000.000 | 12.042 | 17.694 |
| 27.447 | 5851.317 | 6800.265 | 3.762 |
| 4624.180 | 170.902 | 1.002 | 14.752 |
| 10/17/2016 4:15:00 PM | 411300.000 | 12.036 | 17.694 |
| 27.433 | 5852.615 | 6801.758 | 3.763 |
| 4625.195 | 170.864 | 1.002 | 14.755 |

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|---|---|---|---|
| 10/17/2016 4:20:00 PM | 411600.000 | 12.042 | 17.694 |
| 27.448 | 5853.473 | 6802.755 | 3.764 |
| 4625.874 | 170.839 | 1.002 | 14.752 |
| 10/17/2016 4:25:00 PM | 411900.000 | 12.045 | 17.694 |
| 27.455 | 5853.905 | 6803.218 | 3.764 |
| 4626.188 | 170.826 | 1.002 | 14.750 |
| 10/17/2016 4:30:00 PM | 412200.000 | 12.049 | 17.694 |
| 27.463 | 5853.847 | 6803.215 | 3.764 |
| 4626.187 | 170.828 | 1.002 | 14.747 |
| 10/17/2016 4:35:00 PM | 412500.000 | 12.048 | 17.694 |
| 27.460 | 5854.400 | 6803.847 | 3.765 |
| 4626.617 | 170.812 | 1.002 | 14.747 |
| 10/17/2016 4:40:00 PM | 412800.000 | 12.047 | 17.694 |
| 27.459 | 5854.619 | 6804.061 | 3.765 |
| 4626.762 | 170.805 | 1.002 | 14.747 |
| 10/17/2016 4:45:00 PM | 413100.000 | 12.047 | 17.694 |
| 27.458 | 5856.165 | 6805.832 | 3.766 |
| 4627.966 | 170.760 | 1.002 | 14.747 |
| 10/17/2016 4:50:00 PM | 413400.000 | 12.046 | 17.694 |
| 27.458 | 5857.381 | 6807.336 | 3.767 |
| 4628.989 | 170.725 | 1.002 | 14.746 |
| 10/17/2016 4:55:00 PM | 413700.000 | 12.042 | 17.694 |
| 27.447 | 5856.408 | 6806.152 | 3.766 |
| 4628.184 | 170.753 | 1.002 | 14.746 |
| 10/17/2016 5:00:00 PM | 414000.000 | 12.047 | 17.694 |
| 27.458 | 5856.858 | 6806.650 | 3.766 |
| 4628.522 | 170.740 | 1.002 | 14.746 |
| 10/17/2016 5:05:00 PM | 414300.000 | 12.045 | 17.694 |
| 27.454 | 5858.988 | 6809.114 | 3.768 |
| 4630.198 | 170.678 | 1.002 | 14.746 |
| 10/17/2016 5:10:00 PM | 414600.000 | 12.043 | 17.694 |
| 27.450 | 5858.948 | 6809.104 | 3.768 |
| 4630.191 | 170.679 | 1.002 | 14.746 |
| 10/17/2016 5:15:00 PM | 414900.000 | 12.039 | 17.694 |
| 27.442 | 5859.500 | 6809.773 | 3.768 |
| 4630.646 | 170.663 | 1.002 | 14.747 |
| 10/17/2016 5:20:00 PM | 415200.000 | 12.041 | 17.694 |
| 27.444 | 5860.216 | 6810.646 | 3.769 |
| 4631.239 | 170.642 | 1.002 | 14.745 |
| 10/17/2016 5:25:00 PM | 415500.000 | 12.047 | 17.694 |
| 27.460 | 5861.600 | 6812.240 | 3.770 |
| 4632.323 | 170.602 | 1.002 | 14.744 |
| 10/17/2016 5:30:00 PM | 415800.000 | 12.047 | 17.694 |
| 27.460 | 5861.912 | 6812.628 | 3.770 |
| 4632.587 | 170.593 | 1.002 | 14.742 |
| 10/17/2016 5:35:00 PM | 416100.000 | 12.041 | 17.694 |
| 27.445 | 5862.444 | 6813.168 | 3.770 |
| 4632.954 | 170.577 | 1.002 | 14.743 |
| 10/17/2016 5:40:00 PM | 416400.000 | 12.044 | 17.694 |
| 27.452 | 5862.749 | 6813.589 | 3.770 |
| 4633.240 | 170.568 | 1.002 | 14.744 |
| 10/17/2016 5:45:00 PM | 416700.000 | 12.041 | 17.694 |
| 27.446 | 5864.500 | 6815.584 | 3.771 |
| 4634.598 | 170.518 | 1.002 | 14.744 |
| 10/17/2016 5:50:00 PM | 417000.000 | 12.043 | 17.694 |
| 27.451 | 5864.345 | 6815.417 | 3.771 |

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|---|---|---|---|
| 4634.484 | 170.522 | 1.002 | 14.744 |
| 10/17/2016 5:55:00 PM | 417300.000 | 12.045 | 17.694 |
| 27.453 | 5865.009 | 6816.227 | 3.772 |
| 4635.035 | 170.503 | 1.002 | 14.743 |
| 10/17/2016 6:00:00 PM | 417600.000 | 12.045 | 17.694 |
| 27.455 | 5866.739 | 6818.198 | 3.773 |
| 4636.375 | 170.452 | 1.002 | 14.743 |
| 10/17/2016 6:05:00 PM | 417900.000 | 12.045 | 17.694 |
| 27.453 | 5866.599 | 6818.035 | 3.773 |
| 4636.264 | 170.457 | 1.002 | 14.744 |
| 10/17/2016 6:10:00 PM | 418200.000 | 12.043 | 17.694 |
| 27.449 | 5867.410 | 6818.978 | 3.773 |
| 4636.906 | 170.433 | 1.002 | 14.745 |
| 10/17/2016 6:15:00 PM | 418500.000 | 12.043 | 17.694 |
| 27.449 | 5869.244 | 6821.070 | 3.775 |
| 4638.328 | 170.380 | 1.002 | 14.746 |
| 10/17/2016 6:20:00 PM | 418800.000 | 12.044 | 17.694 |
| 27.451 | 5868.128 | 6819.774 | 3.774 |
| 4637.446 | 170.412 | 1.002 | 14.745 |
| 10/17/2016 6:25:00 PM | 419100.000 | 12.044 | 17.694 |
| 27.452 | 5867.881 | 6819.487 | 3.774 |
| 4637.251 | 170.419 | 1.002 | 14.743 |
| 10/17/2016 6:30:00 PM | 419400.000 | 12.046 | 17.694 |
| 27.458 | 5868.965 | 6820.814 | 3.775 |
| 4638.153 | 170.388 | 1.002 | 14.742 |
| 10/17/2016 6:35:00 PM | 419700.000 | 12.044 | 17.694 |
| 27.453 | 5869.309 | 6821.146 | 3.775 |
| 4638.379 | 170.378 | 1.002 | 14.743 |
| 10/17/2016 6:40:00 PM | 420000.000 | 12.044 | 17.694 |
| 27.452 | 5869.193 | 6821.078 | 3.775 |
| 4638.333 | 170.381 | 1.002 | 14.743 |
| 10/17/2016 6:45:00 PM | 420300.000 | 12.042 | 17.694 |
| 27.448 | 5871.043 | 6823.175 | 3.776 |
| 4639.759 | 170.327 | 1.002 | 14.744 |
| 10/17/2016 6:50:00 PM | 420600.000 | 12.039 | 17.694 |
| 27.440 | 5870.952 | 6823.083 | 3.776 |
| 4639.697 | 170.330 | 1.002 | 14.743 |
| 10/17/2016 6:55:00 PM | 420900.000 | 12.044 | 17.694 |
| 27.452 | 5870.916 | 6823.081 | 3.776 |
| 4639.695 | 170.331 | 1.002 | 14.743 |
| 10/17/2016 7:00:00 PM | 421200.000 | 12.044 | 17.694 |
| 27.452 | 5871.429 | 6823.649 | 3.776 |
| 4640.082 | 170.316 | 1.002 | 14.742 |
| 10/17/2016 7:05:00 PM | 421500.000 | 12.042 | 17.694 |
| 27.447 | 5872.075 | 6824.400 | 3.777 |
| 4640.592 | 170.298 | 1.002 | 14.744 |
| 10/17/2016 7:10:00 PM | 421800.000 | 12.036 | 17.694 |
| 27.435 | 5874.339 | 6826.979 | 3.778 |
| 4642.346 | 170.232 | 1.002 | 14.745 |
| 10/17/2016 7:15:00 PM | 422100.000 | 12.040 | 17.694 |
| 27.443 | 5874.184 | 6826.811 | 3.778 |
| 4642.231 | 170.236 | 1.002 | 14.747 |
| 10/17/2016 7:20:00 PM | 422400.000 | 12.038 | 17.694 |
| 27.439 | 5875.834 | 6828.717 | 3.779 |
| 4643.527 | 170.189 | 1.002 | 14.748 |
| 10/17/2016 7:25:00 PM | 422700.000 | 12.039 | 17.694 |

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|---|---|---|---|
| 27.441 | 5876.227 | 6829.213 | 3.780 |
| 4643.866 | 170.177 | 1.002 | 14.749 |
| 10/17/2016 7:30:00 PM | 423000.000 | 12.037 | 17.694 |
| 27.437 | 5877.812 | 6831.001 | 3.781 |
| 4645.081 | 170.131 | 1.002 | 14.750 |
| 10/17/2016 7:35:00 PM | 423300.000 | 12.033 | 17.694 |
| 27.428 | 5878.657 | 6832.038 | 3.781 |
| 4645.786 | 170.107 | 1.002 | 14.751 |
| 10/17/2016 7:40:00 PM | 423600.000 | 12.037 | 17.694 |
| 27.435 | 5879.788 | 6833.297 | 3.782 |
| 4646.642 | 170.074 | 1.002 | 14.752 |
| 10/17/2016 7:45:00 PM | 423900.000 | 12.032 | 17.694 |
| 27.424 | 5879.191 | 6832.670 | 3.782 |
| 4646.216 | 170.091 | 1.002 | 14.753 |
| 10/17/2016 7:50:00 PM | 424200.000 | 12.038 | 17.694 |
| 27.439 | 5880.786 | 6834.563 | 3.783 |
| 4647.503 | 170.045 | 1.002 | 14.754 |
| 10/17/2016 7:55:00 PM | 424500.000 | 12.036 | 17.694 |
| 27.433 | 5880.456 | 6834.154 | 3.782 |
| 4647.225 | 170.055 | 1.002 | 14.755 |
| 10/17/2016 8:00:00 PM | 424800.000 | 12.032 | 17.694 |
| 27.425 | 5881.951 | 6835.826 | 3.783 |
| 4648.362 | 170.012 | 1.002 | 14.756 |
| 10/17/2016 8:05:00 PM | 425100.000 | 12.038 | 17.694 |
| 27.438 | 5882.181 | 6836.145 | 3.784 |
| 4648.578 | 170.005 | 1.002 | 14.755 |
| 10/17/2016 8:10:00 PM | 425400.000 | 12.035 | 17.694 |
| 27.430 | 5881.882 | 6835.758 | 3.783 |
| 4648.316 | 170.014 | 1.002 | 14.755 |
| 10/17/2016 8:15:00 PM | 425700.000 | 12.040 | 17.694 |
| 27.443 | 5882.609 | 6836.604 | 3.784 |
| 4648.891 | 169.993 | 1.002 | 14.755 |
| 10/17/2016 8:20:00 PM | 426000.000 | 12.037 | 17.694 |
| 27.435 | 5883.722 | 6837.975 | 3.785 |
| 4649.824 | 169.960 | 1.002 | 14.753 |
| 10/17/2016 8:25:00 PM | 426300.000 | 12.043 | 17.694 |
| 27.449 | 5882.766 | 6836.798 | 3.784 |
| 4649.022 | 169.988 | 1.002 | 14.751 |
| 10/17/2016 8:30:00 PM | 426600.000 | 12.040 | 17.694 |
| 27.444 | 5884.318 | 6838.643 | 3.785 |
| 4650.277 | 169.943 | 1.002 | 14.749 |
| 10/17/2016 8:35:00 PM | 426900.000 | 12.042 | 17.694 |
| 27.447 | 5884.031 | 6838.256 | 3.785 |
| 4650.014 | 169.952 | 1.002 | 14.753 |
| 10/17/2016 8:40:00 PM | 427200.000 | 12.039 | 17.694 |
| 27.442 | 5884.128 | 6838.342 | 3.785 |
| 4650.073 | 169.949 | 1.002 | 14.758 |
| 10/17/2016 8:45:00 PM | 427500.000 | 12.034 | 17.694 |
| 27.429 | 5884.118 | 6838.370 | 3.785 |
| 4650.092 | 169.949 | 1.002 | 14.762 |
| 10/17/2016 8:50:00 PM | 427800.000 | 12.034 | 17.694 |
| 27.429 | 5886.407 | 6841.029 | 3.787 |
| 4651.900 | 169.883 | 1.002 | 14.762 |
| 10/17/2016 8:55:00 PM | 428100.000 | 12.031 | 17.694 |
| 27.422 | 5885.512 | 6840.016 | 3.786 |
| 4651.211 | 169.909 | 1.002 | 14.761 |

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|---|---|---|---|
| 10/17/2016 9:00:00 PM | 428400.000 | 12.036 | 17.694 |
| 27.433 | 5886.248 | 6840.819 | 3.786 |
| 4651.758 | 169.888 | 1.002 | 14.761 |
| 10/17/2016 9:05:00 PM | 428700.000 | 12.037 | 17.694 |
| 27.435 | 5886.147 | 6840.728 | 3.786 |
| 4651.696 | 169.890 | 1.002 | 14.761 |
| 10/17/2016 9:10:00 PM | 429000.000 | 12.033 | 17.694 |
| 27.427 | 5888.161 | 6843.083 | 3.788 |
| 4653.296 | 169.832 | 1.002 | 14.761 |
| 10/17/2016 9:15:00 PM | 429300.000 | 12.039 | 17.693 |
| 27.440 | 5887.521 | 6842.417 | 3.787 |
| 4652.843 | 169.851 | 1.002 | 14.761 |
| 10/17/2016 9:20:00 PM | 429600.000 | 12.036 | 17.694 |
| 27.434 | 5888.922 | 6843.979 | 3.788 |
| 4653.906 | 169.810 | 1.002 | 14.762 |
| 10/17/2016 9:25:00 PM | 429900.000 | 12.030 | 17.694 |
| 27.419 | 5888.792 | 6843.855 | 3.788 |
| 4653.822 | 169.814 | 1.002 | 14.763 |
| 10/17/2016 9:30:00 PM | 430200.000 | 12.028 | 17.694 |
| 27.416 | 5889.915 | 6845.106 | 3.789 |
| 4654.672 | 169.782 | 1.002 | 14.764 |
| 10/17/2016 9:35:00 PM | 430500.000 | 12.029 | 17.694 |
| 27.418 | 5889.116 | 6844.178 | 3.788 |
| 4654.042 | 169.805 | 1.002 | 14.762 |
| 10/17/2016 9:40:00 PM | 430800.000 | 12.036 | 17.694 |
| 27.433 | 5890.047 | 6845.314 | 3.789 |
| 4654.814 | 169.778 | 1.002 | 14.760 |
| 10/17/2016 9:45:00 PM | 431100.000 | 12.034 | 17.694 |
| 27.430 | 5890.476 | 6845.746 | 3.789 |
| 4655.107 | 169.766 | 1.002 | 14.758 |
| 10/17/2016 9:50:00 PM | 431400.000 | 12.038 | 17.694 |
| 27.438 | 5892.451 | 6848.015 | 3.791 |
| 4656.650 | 169.709 | 1.002 | 14.760 |
| 10/17/2016 9:55:00 PM | 431700.000 | 12.034 | 17.694 |
| 27.428 | 5899.037 | 6855.734 | 3.795 |
| 4661.899 | 169.519 | 1.002 | 14.761 |
| 10/17/2016 10:00:00 PM | 432000.000 | 12.037 | 17.694 |
| 27.436 | 5914.858 | 6874.161 | 3.806 |
| 4674.429 | 169.066 | 1.002 | 14.763 |
| 10/17/2016 10:05:00 PM | 432300.000 | 12.033 | 17.694 |
| 27.426 | 5930.381 | 6892.202 | 3.817 |
| 4686.697 | 168.623 | 1.002 | 14.764 |
| 10/17/2016 10:10:00 PM | 432600.000 | 12.033 | 17.694 |
| 27.427 | 5944.972 | 6909.120 | 3.827 |
| 4698.201 | 168.209 | 1.002 | 14.765 |
| 10/17/2016 10:15:00 PM | 432900.000 | 12.031 | 17.694 |
| 27.423 | 5957.118 | 6923.290 | 3.835 |
| 4707.837 | 167.866 | 1.002 | 14.766 |
| 10/17/2016 10:20:00 PM | 433200.000 | 12.033 | 17.693 |
| 27.428 | 5967.516 | 6935.427 | 3.842 |
| 4716.091 | 167.574 | 1.002 | 14.766 |
| 10/17/2016 10:25:00 PM | 433500.000 | 12.033 | 17.693 |
| 27.428 | 5977.659 | 6947.215 | 3.849 |
| 4724.107 | 167.290 | 1.002 | 14.766 |
| 10/17/2016 10:30:00 PM | 433800.000 | 12.034 | 17.694 |
| 27.429 | 5987.021 | 6958.042 | 3.856 |

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|---|---|---|---|
| 4731.469 | 167.028 | 1.002 | 14.766 |
| 10/17/2016 10:35:00 PM | 434100.000 | 12.040 | 17.693 |
| 27.442 | 5994.931 | 6967.248 | 3.861 |
| 4737.729 | 166.808 | 1.002 | 14.766 |
| 10/17/2016 10:40:00 PM | 434400.000 | 12.039 | 17.694 |
| 27.441 | 6001.931 | 6975.355 | 3.866 |
| 4743.242 | 166.613 | 1.002 | 14.767 |
| 10/17/2016 10:45:00 PM | 434700.000 | 12.038 | 17.694 |
| 27.437 | 6008.516 | 6982.969 | 3.871 |
| 4748.419 | 166.430 | 1.002 | 14.767 |
| 10/17/2016 10:50:00 PM | 435000.000 | 12.033 | 17.694 |
| 27.427 | 6015.229 | 6990.811 | 3.875 |
| 4753.752 | 166.245 | 1.002 | 14.768 |
| 10/17/2016 10:55:00 PM | 435300.000 | 12.034 | 17.694 |
| 27.428 | 6022.298 | 6999.000 | 3.880 |
| 4759.320 | 166.050 | 1.002 | 14.768 |
| 10/17/2016 11:00:00 PM | 435600.000 | 12.039 | 17.693 |
| 27.440 | 6027.543 | 7005.231 | 3.884 |
| 4763.558 | 165.905 | 1.002 | 14.769 |
| 10/17/2016 11:05:00 PM | 435900.000 | 12.040 | 17.694 |
| 27.444 | 6032.762 | 7011.202 | 3.887 |
| 4767.617 | 165.762 | 1.002 | 14.770 |
| 10/17/2016 11:10:00 PM | 436200.000 | 12.039 | 17.694 |
| 27.440 | 6037.079 | 7016.219 | 3.890 |
| 4771.029 | 165.643 | 1.002 | 14.771 |
| 10/17/2016 11:15:00 PM | 436500.000 | 12.038 | 17.693 |
| 27.437 | 6042.923 | 7023.052 | 3.894 |
| 4775.675 | 165.483 | 1.002 | 14.773 |
| 10/17/2016 11:20:00 PM | 436800.000 | 12.037 | 17.694 |
| 27.436 | 6048.110 | 7029.024 | 3.898 |
| 4779.737 | 165.341 | 1.002 | 14.773 |
| 10/17/2016 11:25:00 PM | 437100.000 | 12.034 | 17.693 |
| 27.429 | 6052.721 | 7034.467 | 3.901 |
| 4783.438 | 165.215 | 1.002 | 14.774 |
| 10/17/2016 11:30:00 PM | 437400.000 | 12.037 | 17.693 |
| 27.436 | 6056.817 | 7039.200 | 3.904 |
| 4786.656 | 165.103 | 1.002 | 14.775 |
| 10/17/2016 11:35:00 PM | 437700.000 | 12.038 | 17.693 |
| 27.438 | 6061.544 | 7044.694 | 3.907 |
| 4790.393 | 164.974 | 1.002 | 14.775 |
| 10/17/2016 11:40:00 PM | 438000.000 | 12.038 | 17.693 |
| 27.438 | 6065.900 | 7049.756 | 3.910 |
| 4793.834 | 164.856 | 1.002 | 14.775 |
| 10/17/2016 11:45:00 PM | 438300.000 | 12.038 | 17.694 |
| 27.438 | 6070.538 | 7055.049 | 3.913 |
| 4797.434 | 164.730 | 1.002 | 14.776 |
| 10/17/2016 11:50:00 PM | 438600.000 | 12.040 | 17.694 |
| 27.444 | 6074.278 | 7059.425 | 3.916 |
| 4800.409 | 164.629 | 1.002 | 14.776 |
| 10/17/2016 11:55:00 PM | 438900.000 | 12.033 | 17.694 |
| 27.428 | 6078.772 | 7064.633 | 3.919 |
| 4803.951 | 164.507 | 1.002 | 14.777 |
| 10/18/2016 12:00:00 AM | 439200.000 | 12.038 | 17.693 |
| 27.437 | 6082.900 | 7069.526 | 3.922 |
| 4807.278 | 164.395 | 1.002 | 14.778 |
| 10/18/2016 12:05:00 AM | 439500.000 | 12.034 | 17.693 |

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|---|---|---|---|
| 27.429 | 6085.908 | 7073.078 | 3.924 |
| 4809.693 | 164.314 | 1.002 | 14.779 |
| 10/18/2016 12:10:00 AM | 439800.000 | 12.037 | 17.693 |
| 27.435 | 6090.387 | 7078.186 | 3.927 |
| 4813.166 | 164.193 | 1.002 | 14.779 |
| 10/18/2016 12:15:00 AM | 440100.000 | 12.039 | 17.693 |
| 27.441 | 6093.367 | 7081.649 | 3.929 |
| 4815.521 | 164.113 | 1.002 | 14.780 |
| 10/18/2016 12:20:00 AM | 440400.000 | 12.038 | 17.693 |
| 27.439 | 6097.678 | 7086.660 | 3.932 |
| 4818.929 | 163.997 | 1.002 | 14.780 |
| 10/18/2016 12:25:00 AM | 440700.000 | 12.039 | 17.693 |
| 27.442 | 6100.037 | 7089.401 | 3.934 |
| 4820.792 | 163.933 | 1.002 | 14.781 |
| 10/18/2016 12:30:00 AM | 441000.000 | 12.040 | 17.693 |
| 27.444 | 6103.715 | 7093.704 | 3.936 |
| 4823.719 | 163.835 | 1.002 | 14.782 |
| 10/18/2016 12:35:00 AM | 441300.000 | 12.040 | 17.693 |
| 27.444 | 6106.831 | 7097.312 | 3.938 |
| 4826.173 | 163.751 | 1.002 | 14.781 |
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| 27.434 | 6109.608 | 7100.594 | 3.940 |
| 4828.404 | 163.677 | 1.002 | 14.781 |
| 10/18/2016 12:45:00 AM | 441900.000 | 12.037 | 17.693 |
| 27.435 | 6112.394 | 7103.777 | 3.942 |
| 4830.569 | 163.602 | 1.002 | 14.780 |
| 10/18/2016 12:50:00 AM | 442200.000 | 12.037 | 17.693 |
| 27.435 | 6116.294 | 7108.323 | 3.945 |
| 4833.660 | 163.498 | 1.002 | 14.782 |
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| 27.445 | 6118.610 | 7110.987 | 3.946 |
| 4835.472 | 163.436 | 1.002 | 14.783 |
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| 27.446 | 6121.134 | 7113.906 | 3.948 |
| 4837.457 | 163.368 | 1.002 | 14.784 |
| 10/18/2016 1:05:00 AM | 443100.000 | 12.044 | 17.694 |
| 27.452 | 6123.768 | 7116.967 | 3.950 |
| 4839.538 | 163.298 | 1.002 | 14.783 |
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| 27.457 | 6126.661 | 7120.385 | 3.952 |
| 4841.862 | 163.221 | 1.002 | 14.782 |
| 10/18/2016 1:15:00 AM | 443700.000 | 12.050 | 17.693 |
| 27.465 | 6128.617 | 7122.617 | 3.953 |
| 4843.379 | 163.169 | 1.002 | 14.780 |
| 10/18/2016 1:20:00 AM | 444000.000 | 12.043 | 17.693 |
| 27.450 | 6130.652 | 7125.065 | 3.955 |
| 4845.044 | 163.115 | 1.002 | 14.782 |
| 10/18/2016 1:25:00 AM | 444300.000 | 12.041 | 17.693 |
| 27.445 | 6133.523 | 7128.361 | 3.957 |
| 4847.286 | 163.038 | 1.002 | 14.784 |
| 10/18/2016 1:30:00 AM | 444600.000 | 12.042 | 17.693 |
| 27.448 | 6136.051 | 7131.299 | 3.959 |
| 4849.283 | 162.971 | 1.002 | 14.786 |
| 10/18/2016 1:35:00 AM | 444900.000 | 12.040 | 17.694 |
| 27.442 | 6137.732 | 7133.182 | 3.960 |
| 4850.564 | 162.927 | 1.002 | 14.786 |

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| 10/18/2016 1:40:00 AM | 445200.000 | 12.041 | 17.694 |
| 27.444 | 6139.702 | 7135.403 | 3.961 |
| 4852.075 | 162.874 | 1.002 | 14.785 |
| 10/18/2016 1:45:00 AM | 445500.000 | 12.047 | 17.694 |
| 27.458 | 6142.515 | 7138.728 | 3.963 |
| 4854.335 | 162.800 | 1.002 | 14.785 |
| 10/18/2016 1:50:00 AM | 445800.000 | 12.043 | 17.694 |
| 27.450 | 6143.803 | 7140.252 | 3.964 |
| 4855.372 | 162.766 | 1.002 | 14.784 |
| 10/18/2016 1:55:00 AM | 446100.000 | 12.044 | 17.694 |
| 27.452 | 6145.894 | 7142.626 | 3.965 |
| 4856.986 | 162.710 | 1.002 | 14.784 |
| 10/18/2016 2:00:00 AM | 446400.000 | 12.049 | 17.693 |
| 27.462 | 6146.644 | 7143.567 | 3.966 |
| 4857.625 | 162.690 | 1.002 | 14.784 |
| 10/18/2016 2:05:00 AM | 446700.000 | 12.042 | 17.693 |
| 27.448 | 6149.125 | 7146.451 | 3.968 |
| 4859.587 | 162.625 | 1.002 | 14.784 |
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| 27.462 | 6149.877 | 7147.297 | 3.968 |
| 4860.162 | 162.605 | 1.002 | 14.784 |
| 10/18/2016 2:15:00 AM | 447300.000 | 12.049 | 17.694 |
| 27.464 | 6151.467 | 7149.144 | 3.969 |
| 4861.418 | 162.563 | 1.002 | 14.784 |
| 10/18/2016 2:20:00 AM | 447600.000 | 12.049 | 17.693 |
| 27.463 | 6153.808 | 7151.950 | 3.971 |
| 4863.327 | 162.501 | 1.002 | 14.785 |
| 10/18/2016 2:25:00 AM | 447900.000 | 12.047 | 17.694 |
| 27.460 | 6154.566 | 7152.761 | 3.971 |
| 4863.878 | 162.481 | 1.002 | 14.786 |
| 10/18/2016 2:30:00 AM | 448200.000 | 12.048 | 17.694 |
| 27.461 | 6157.119 | 7155.671 | 3.973 |
| 4865.856 | 162.414 | 1.002 | 14.787 |
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| 27.454 | 6157.451 | 7156.156 | 3.973 |
| 4866.187 | 162.405 | 1.002 | 14.787 |
| 10/18/2016 2:40:00 AM | 448800.000 | 12.049 | 17.693 |
| 27.464 | 6159.011 | 7157.982 | 3.974 |
| 4867.428 | 162.364 | 1.002 | 14.787 |
| 10/18/2016 2:45:00 AM | 449100.000 | 12.045 | 17.694 |
| 27.455 | 6160.061 | 7159.091 | 3.975 |
| 4868.182 | 162.336 | 1.002 | 14.788 |
| 10/18/2016 2:50:00 AM | 449400.000 | 12.049 | 17.694 |
| 27.464 | 6162.120 | 7161.513 | 3.976 |
| 4869.829 | 162.282 | 1.002 | 14.787 |
| 10/18/2016 2:55:00 AM | 449700.000 | 12.052 | 17.694 |
| 27.470 | 6162.895 | 7162.330 | 3.977 |
| 4870.385 | 162.261 | 1.002 | 14.787 |
| 10/18/2016 3:00:00 AM | 450000.000 | 12.052 | 17.694 |
| 27.469 | 6164.601 | 7164.339 | 3.978 |
| 4871.751 | 162.217 | 1.002 | 14.787 |
| 10/18/2016 3:05:00 AM | 450300.000 | 12.048 | 17.694 |
| 27.461 | 6165.542 | 7165.490 | 3.979 |
| 4872.533 | 162.192 | 1.002 | 14.785 |
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| 27.475 | 6166.145 | 7166.176 | 3.979 |

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| 4873.000 | 162.176 | 1.002 | 14.783 |
| 10/18/2016 3:15:00 AM | 450900.000 | 12.055 | 17.693 |
| 27.478 | 6166.896 | 7167.133 | 3.980 |
| 4873.650 | 162.156 | 1.002 | 14.781 |
| 10/18/2016 3:20:00 AM | 451200.000 | 12.055 | 17.694 |
| 27.478 | 6168.287 | 7168.596 | 3.981 |
| 4874.646 | 162.120 | 1.002 | 14.782 |
| 10/18/2016 3:25:00 AM | 451500.000 | 12.051 | 17.693 |
| 27.467 | 6170.056 | 7170.834 | 3.982 |
| 4876.167 | 162.073 | 1.002 | 14.783 |
| 10/18/2016 3:30:00 AM | 451800.000 | 12.054 | 17.693 |
| 27.475 | 6170.753 | 7171.603 | 3.982 |
| 4876.690 | 162.055 | 1.002 | 14.784 |
| 10/18/2016 3:35:00 AM | 452100.000 | 12.053 | 17.694 |
| 27.472 | 6171.730 | 7172.709 | 3.983 |
| 4877.443 | 162.029 | 1.002 | 14.784 |
| 10/18/2016 3:40:00 AM | 452400.000 | 12.048 | 17.694 |
| 27.461 | 6171.483 | 7172.407 | 3.983 |
| 4877.237 | 162.036 | 1.002 | 14.785 |
| 10/18/2016 3:45:00 AM | 452700.000 | 12.051 | 17.693 |
| 27.468 | 6172.990 | 7174.215 | 3.984 |
| 4878.467 | 161.996 | 1.002 | 14.785 |
| 10/18/2016 3:50:00 AM | 453000.000 | 12.047 | 17.694 |
| 27.460 | 6173.762 | 7175.014 | 3.984 |
| 4879.010 | 161.976 | 1.002 | 14.784 |
| 10/18/2016 3:55:00 AM | 453300.000 | 12.055 | 17.694 |
| 27.477 | 6175.077 | 7176.500 | 3.985 |
| 4880.021 | 161.941 | 1.002 | 14.783 |
| 10/18/2016 4:00:00 AM | 453600.000 | 12.057 | 17.694 |
| 27.482 | 6175.848 | 7177.343 | 3.986 |
| 4880.593 | 161.921 | 1.002 | 14.781 |
| 10/18/2016 4:05:00 AM | 453900.000 | 12.052 | 17.694 |
| 27.470 | 6176.368 | 7178.083 | 3.986 |
| 4881.097 | 161.907 | 1.002 | 14.783 |
| 10/18/2016 4:10:00 AM | 454200.000 | 12.055 | 17.693 |
| 27.477 | 6177.325 | 7179.253 | 3.987 |
| 4881.893 | 161.882 | 1.002 | 14.784 |
| 10/18/2016 4:15:00 AM | 454500.000 | 12.049 | 17.694 |
| 27.464 | 6177.577 | 7179.489 | 3.987 |
| 4882.053 | 161.876 | 1.002 | 14.785 |
| 10/18/2016 4:20:00 AM | 454800.000 | 12.055 | 17.694 |
| 27.477 | 6177.928 | 7179.912 | 3.987 |
| 4882.340 | 161.867 | 1.002 | 14.785 |
| 10/18/2016 4:25:00 AM | 455100.000 | 12.050 | 17.694 |
| 27.465 | 6179.033 | 7181.196 | 3.988 |
| 4883.213 | 161.838 | 1.002 | 14.785 |
| 10/18/2016 4:30:00 AM | 455400.000 | 12.056 | 17.694 |
| 27.479 | 6179.805 | 7182.025 | 3.989 |
| 4883.777 | 161.817 | 1.002 | 14.785 |
| 10/18/2016 4:35:00 AM | 455700.000 | 12.055 | 17.693 |
| 27.477 | 6179.553 | 7181.814 | 3.988 |
| 4883.634 | 161.824 | 1.002 | 14.785 |
| 10/18/2016 4:40:00 AM | 456000.000 | 12.056 | 17.693 |
| 27.479 | 6181.532 | 7184.114 | 3.990 |
| 4885.198 | 161.772 | 1.002 | 14.786 |
| 10/18/2016 4:45:00 AM | 456300.000 | 12.055 | 17.694 |

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| 27.476 | 6182.014 | 7184.604 | 3.990 |
| 4885.531 | 161.760 | 1.002 | 14.786 |
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| 4885.410 | 161.765 | 1.002 | 14.786 |
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| 27.473 | 6179.806 | 7182.067 | 3.989 |
| 4883.806 | 161.817 | 1.002 | 14.786 |
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| 27.467 | 6175.391 | 7176.879 | 3.986 |
| 4880.278 | 161.933 | 1.002 | 14.786 |
| 10/18/2016 5:05:00 AM | 457500.000 | 12.050 | 17.695 |
| 27.465 | 6167.110 | 7167.173 | 3.980 |
| 4873.678 | 162.150 | 1.002 | 14.787 |
| 10/18/2016 5:10:00 AM | 457800.000 | 12.048 | 17.694 |
| 27.462 | 6155.941 | 7154.275 | 3.972 |
| 4864.907 | 162.445 | 1.002 | 14.788 |
| 10/18/2016 5:15:00 AM | 458100.000 | 12.047 | 17.694 |
| 27.458 | 6145.457 | 7142.118 | 3.965 |
| 4856.641 | 162.722 | 1.002 | 14.790 |
| 10/18/2016 5:20:00 AM | 458400.000 | 12.047 | 17.694 |
| 27.460 | 6134.016 | 7128.741 | 3.957 |
| 4847.544 | 163.025 | 1.002 | 14.789 |
| 10/18/2016 5:25:00 AM | 458700.000 | 12.053 | 17.694 |
| 27.472 | 6123.746 | 7116.806 | 3.950 |
| 4839.428 | 163.299 | 1.002 | 14.789 |
| 10/18/2016 5:30:00 AM | 459000.000 | 12.054 | 17.694 |
| 27.476 | 6114.362 | 7105.885 | 3.943 |
| 4832.002 | 163.549 | 1.002 | 14.789 |
| 10/18/2016 5:35:00 AM | 459300.000 | 12.050 | 17.694 |
| 27.465 | 6106.257 | 7096.507 | 3.938 |
| 4825.625 | 163.766 | 1.002 | 14.789 |
| 10/18/2016 5:40:00 AM | 459600.000 | 12.055 | 17.694 |
| 27.476 | 6099.396 | 7088.576 | 3.933 |
| 4820.232 | 163.951 | 1.002 | 14.790 |
| 10/18/2016 5:45:00 AM | 459900.000 | 12.052 | 17.694 |
| 27.470 | 6091.042 | 7078.867 | 3.927 |
| 4813.629 | 164.176 | 1.002 | 14.790 |
| 10/18/2016 5:50:00 AM | 460200.000 | 12.055 | 17.694 |
| 27.477 | 6085.434 | 7072.361 | 3.924 |
| 4809.206 | 164.327 | 1.002 | 14.791 |
| 10/18/2016 5:55:00 AM | 460500.000 | 12.052 | 17.694 |
| 27.470 | 6078.984 | 7064.797 | 3.919 |
| 4804.063 | 164.501 | 1.002 | 14.792 |
| 10/18/2016 6:00:00 AM | 460800.000 | 12.056 | 17.694 |
| 27.480 | 6073.058 | 7057.883 | 3.915 |
| 4799.361 | 164.662 | 1.002 | 14.794 |
| 10/18/2016 6:05:00 AM | 461100.000 | 12.057 | 17.694 |
| 27.482 | 6068.660 | 7052.813 | 3.912 |
| 4795.913 | 164.781 | 1.002 | 14.794 |
| 10/18/2016 6:10:00 AM | 461400.000 | 12.053 | 17.694 |
| 27.473 | 6063.072 | 7046.293 | 3.908 |
| 4791.479 | 164.933 | 1.002 | 14.795 |
| 10/18/2016 6:15:00 AM | 461700.000 | 12.057 | 17.695 |
| 27.482 | 6057.925 | 7040.282 | 3.905 |
| 4787.392 | 165.073 | 1.002 | 14.795 |

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| 10/18/2016 6:20:00 AM | 462000.000 | 12.057 | 17.695 |
| 27.482 | 6052.532 | 7033.975 | 3.901 |
| 4783.104 | 165.220 | 1.002 | 14.797 |
| 10/18/2016 6:25:00 AM | 462300.000 | 12.051 | 17.694 |
| 27.468 | 6047.701 | 7028.497 | 3.898 |
| 4779.378 | 165.352 | 1.002 | 14.798 |
| 10/18/2016 6:30:00 AM | 462600.000 | 12.051 | 17.694 |
| 27.469 | 6042.847 | 7022.827 | 3.894 |
| 4775.522 | 165.485 | 1.002 | 14.799 |
| 10/18/2016 6:35:00 AM | 462900.000 | 12.057 | 17.694 |
| 27.481 | 6037.643 | 7016.766 | 3.891 |
| 4771.401 | 165.628 | 1.002 | 14.799 |
| 10/18/2016 6:40:00 AM | 463200.000 | 12.052 | 17.695 |
| 27.471 | 6032.854 | 7011.105 | 3.887 |
| 4767.551 | 165.759 | 1.002 | 14.800 |
| 10/18/2016 6:45:00 AM | 463500.000 | 12.051 | 17.694 |
| 27.467 | 6028.902 | 7006.593 | 3.885 |
| 4764.483 | 165.868 | 1.002 | 14.800 |
| 10/18/2016 6:50:00 AM | 463800.000 | 12.057 | 17.694 |
| 27.483 | 6023.599 | 7000.431 | 3.881 |
| 4760.293 | 166.014 | 1.002 | 14.801 |
| 10/18/2016 6:55:00 AM | 464100.000 | 12.052 | 17.694 |
| 27.471 | 6019.196 | 6995.314 | 3.878 |
| 4756.813 | 166.135 | 1.002 | 14.801 |
| 10/18/2016 7:00:00 AM | 464400.000 | 12.050 | 17.694 |
| 27.465 | 6015.391 | 6990.891 | 3.875 |
| 4753.807 | 166.240 | 1.002 | 14.802 |
| 10/18/2016 7:05:00 AM | 464700.000 | 12.056 | 17.694 |
| 27.479 | 6010.607 | 6985.305 | 3.872 |
| 4750.008 | 166.373 | 1.002 | 14.802 |
| 10/18/2016 7:10:00 AM | 465000.000 | 12.052 | 17.694 |
| 27.470 | 6006.175 | 6980.208 | 3.869 |
| 4746.542 | 166.495 | 1.002 | 14.803 |
| 10/18/2016 7:15:00 AM | 465300.000 | 12.058 | 17.694 |
| 27.484 | 6001.604 | 6974.909 | 3.866 |
| 4742.938 | 166.622 | 1.002 | 14.804 |
| 10/18/2016 7:20:00 AM | 465600.000 | 12.059 | 17.694 |
| 27.486 | 5997.397 | 6969.979 | 3.863 |
| 4739.586 | 166.739 | 1.002 | 14.803 |
| 10/18/2016 7:25:00 AM | 465900.000 | 12.056 | 17.694 |
| 27.479 | 5993.485 | 6965.433 | 3.860 |
| 4736.495 | 166.848 | 1.002 | 14.802 |
| 10/18/2016 7:30:00 AM | 466200.000 | 12.056 | 17.694 |
| 27.480 | 5988.743 | 6959.936 | 3.857 |
| 4732.757 | 166.980 | 1.002 | 14.801 |
| 10/18/2016 7:35:00 AM | 466500.000 | 12.060 | 17.694 |
| 27.489 | 5985.400 | 6956.104 | 3.855 |
| 4730.151 | 167.073 | 1.002 | 14.803 |
| 10/18/2016 7:40:00 AM | 466800.000 | 12.054 | 17.694 |
| 27.476 | 5980.355 | 6950.213 | 3.851 |
| 4726.146 | 167.214 | 1.002 | 14.804 |
| 10/18/2016 7:45:00 AM | 467100.000 | 12.055 | 17.694 |
| 27.476 | 5977.566 | 6946.921 | 3.849 |
| 4723.907 | 167.292 | 1.002 | 14.806 |
| 10/18/2016 7:50:00 AM | 467400.000 | 12.056 | 17.694 |
| 27.479 | 5972.478 | 6941.033 | 3.846 |

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| 4719.902 | 167.435 | 1.002 | 14.806 |
| 10/18/2016 7:55:00 AM | 467700.000 | 12.060 | 17.694 |
| 27.490 | 5968.241 | 6936.122 | 3.843 |
| 4716.563 | 167.554 | 1.002 | 14.806 |
| 10/18/2016 8:00:00 AM | 468000.000 | 12.058 | 17.694 |
| 27.485 | 5965.004 | 6932.348 | 3.841 |
| 4713.997 | 167.644 | 1.002 | 14.806 |
| 10/18/2016 8:05:00 AM | 468300.000 | 12.057 | 17.694 |
| 27.481 | 5960.876 | 6927.563 | 3.838 |
| 4710.743 | 167.761 | 1.002 | 14.809 |
| 10/18/2016 8:10:00 AM | 468600.000 | 12.054 | 17.695 |
| 27.476 | 5956.661 | 6922.597 | 3.835 |
| 4707.367 | 167.879 | 1.002 | 14.812 |
| 10/18/2016 8:15:00 AM | 468900.000 | 12.053 | 17.695 |
| 27.473 | 5953.477 | 6918.885 | 3.833 |
| 4704.842 | 167.969 | 1.002 | 14.815 |
| 10/18/2016 8:20:00 AM | 469200.000 | 12.051 | 17.694 |
| 27.469 | 5950.197 | 6915.139 | 3.830 |
| 4702.295 | 168.062 | 1.002 | 14.816 |
| 10/18/2016 8:25:00 AM | 469500.000 | 12.051 | 17.694 |
| 27.469 | 5946.687 | 6911.034 | 3.828 |
| 4699.503 | 168.161 | 1.002 | 14.818 |
| 10/18/2016 8:30:00 AM | 469800.000 | 12.046 | 17.694 |
| 27.458 | 5943.812 | 6907.799 | 3.826 |
| 4697.304 | 168.242 | 1.002 | 14.820 |
| 10/18/2016 8:35:00 AM | 470100.000 | 12.049 | 17.694 |
| 27.464 | 5940.693 | 6904.107 | 3.824 |
| 4694.793 | 168.331 | 1.002 | 14.816 |
| 10/18/2016 8:40:00 AM | 470400.000 | 12.056 | 17.694 |
| 27.480 | 5937.584 | 6900.455 | 3.822 |
| 4692.310 | 168.419 | 1.002 | 14.812 |
| 10/18/2016 8:45:00 AM | 470700.000 | 12.055 | 17.694 |
| 27.478 | 5934.380 | 6896.783 | 3.820 |
| 4689.813 | 168.510 | 1.002 | 14.808 |
| 10/18/2016 8:50:00 AM | 471000.000 | 12.060 | 17.694 |
| 27.487 | 5931.742 | 6893.717 | 3.818 |
| 4687.729 | 168.585 | 1.002 | 14.808 |
| 10/18/2016 8:55:00 AM | 471300.000 | 12.054 | 17.694 |
| 27.475 | 5929.035 | 6890.544 | 3.816 |
| 4685.571 | 168.662 | 1.002 | 14.809 |
| 10/18/2016 9:00:00 AM | 471600.000 | 12.058 | 17.694 |
| 27.484 | 5925.707 | 6886.718 | 3.814 |
| 4682.969 | 168.756 | 1.002 | 14.809 |
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| 27.461 | 5923.334 | 6883.880 | 3.812 |
| 4681.039 | 168.824 | 1.002 | 14.813 |
| 10/18/2016 9:10:00 AM | 472200.000 | 12.046 | 17.694 |
| 27.457 | 5921.299 | 6881.515 | 3.810 |
| 4679.431 | 168.882 | 1.002 | 14.818 |
| 10/18/2016 9:15:00 AM | 472500.000 | 12.043 | 17.694 |
| 27.449 | 5918.667 | 6878.481 | 3.809 |
| 4677.368 | 168.957 | 1.002 | 14.822 |
| 10/18/2016 9:20:00 AM | 472800.000 | 12.046 | 17.695 |
| 27.456 | 5916.635 | 6876.054 | 3.807 |
| 4675.717 | 169.015 | 1.002 | 14.822 |
| 10/18/2016 9:25:00 AM | 473100.000 | 12.050 | 17.694 |

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| 27.465 | 5915.338 | 6874.613 | 3.806 |
| 4674.737 | 169.052 | 1.002 | 14.821 |
| 10/18/2016 9:30:00 AM | 473400.000 | 12.051 | 17.695 |
| 27.468 | 5911.830 | 6870.496 | 3.804 |
| 4671.938 | 169.152 | 1.002 | 14.820 |
| 10/18/2016 9:35:00 AM | 473700.000 | 12.047 | 17.694 |
| 27.458 | 5911.289 | 6869.921 | 3.804 |
| 4671.546 | 169.168 | 1.002 | 14.821 |
| 10/18/2016 9:40:00 AM | 474000.000 | 12.046 | 17.694 |
| 27.457 | 5909.654 | 6867.981 | 3.802 |
| 4670.228 | 169.215 | 1.002 | 14.821 |
| 10/18/2016 9:45:00 AM | 474300.000 | 12.050 | 17.694 |
| 27.465 | 5906.642 | 6864.521 | 3.800 |
| 4667.875 | 169.301 | 1.002 | 14.822 |
| 10/18/2016 9:50:00 AM | 474600.000 | 12.049 | 17.695 |
| 27.462 | 5906.029 | 6863.755 | 3.800 |
| 4667.354 | 169.318 | 1.002 | 14.821 |
| 10/18/2016 9:55:00 AM | 474900.000 | 12.050 | 17.694 |
| 27.466 | 5904.028 | 6861.524 | 3.799 |
| 4665.837 | 169.376 | 1.002 | 14.820 |
| 10/18/2016 10:00:00 AM | 475200.000 | 12.051 | 17.694 |
| 27.468 | 5901.749 | 6858.809 | 3.797 |
| 4663.991 | 169.441 | 1.002 | 14.819 |
| 10/18/2016 10:05:00 AM | 475500.000 | 12.056 | 17.694 |
| 27.480 | 5901.317 | 6858.357 | 3.797 |
| 4663.684 | 169.454 | 1.002 | 14.820 |
| 10/18/2016 10:10:00 AM | 475800.000 | 12.050 | 17.694 |
| 27.466 | 5899.485 | 6856.189 | 3.795 |
| 4662.208 | 169.506 | 1.002 | 14.821 |
| 10/18/2016 10:15:00 AM | 476100.000 | 12.050 | 17.694 |
| 27.466 | 5897.981 | 6854.468 | 3.794 |
| 4661.039 | 169.550 | 1.002 | 14.823 |
| 10/18/2016 10:20:00 AM | 476400.000 | 12.051 | 17.694 |
| 27.468 | 5897.196 | 6853.529 | 3.794 |
| 4660.400 | 169.572 | 1.002 | 14.822 |
| 10/18/2016 10:25:00 AM | 476700.000 | 12.047 | 17.694 |
| 27.458 | 5895.765 | 6851.932 | 3.793 |
| 4659.314 | 169.613 | 1.002 | 14.822 |
| 10/18/2016 10:30:00 AM | 477000.000 | 12.047 | 17.694 |
| 27.458 | 5894.511 | 6850.514 | 3.792 |
| 4658.350 | 169.649 | 1.002 | 14.821 |
| 10/18/2016 10:35:00 AM | 477300.000 | 12.046 | 17.694 |
| 27.458 | 5893.757 | 6849.533 | 3.792 |
| 4657.683 | 169.671 | 1.002 | 14.822 |
| 10/18/2016 10:40:00 AM | 477600.000 | 12.050 | 17.694 |
| 27.467 | 5892.378 | 6847.944 | 3.791 |
| 4656.603 | 169.711 | 1.002 | 14.822 |
| 10/18/2016 10:45:00 AM | 477900.000 | 12.051 | 17.694 |
| 27.467 | 5891.713 | 6847.262 | 3.790 |
| 4656.138 | 169.730 | 1.002 | 14.822 |
| 10/18/2016 10:50:00 AM | 478200.000 | 12.049 | 17.694 |
| 27.463 | 5890.192 | 6845.363 | 3.789 |
| 4654.848 | 169.774 | 1.002 | 14.823 |
| 10/18/2016 10:55:00 AM | 478500.000 | 12.047 | 17.694 |
| 27.459 | 5889.611 | 6844.754 | 3.789 |
| 4654.433 | 169.790 | 1.002 | 14.824 |

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|---|---|---|---|
| 10/18/2016 11:00:00 AM | 478800.000 | 12.040 | 17.694 |
| 27.442 | 5888.323 | 6843.217 | 3.788 |
| 4653.388 | 169.828 | 1.002 | 14.826 |
| 10/18/2016 11:05:00 AM | 479100.000 | 12.044 | 17.694 |
| 27.452 | 5886.958 | 6841.644 | 3.787 |
| 4652.318 | 169.867 | 1.002 | 14.823 |
| 10/18/2016 11:10:00 AM | 479400.000 | 12.045 | 17.694 |
| 27.453 | 5886.743 | 6841.460 | 3.787 |
| 4652.193 | 169.873 | 1.002 | 14.821 |
| 10/18/2016 11:15:00 AM | 479700.000 | 12.045 | 17.694 |
| 27.453 | 5885.391 | 6839.864 | 3.786 |
| 4651.108 | 169.912 | 1.002 | 14.818 |
| 10/18/2016 11:20:00 AM | 480000.000 | 12.051 | 17.695 |
| 27.467 | 5885.665 | 6840.089 | 3.786 |
| 4651.260 | 169.904 | 1.002 | 14.818 |
| 10/18/2016 11:25:00 AM | 480300.000 | 12.047 | 17.694 |
| 27.459 | 5884.518 | 6838.834 | 3.785 |
| 4650.408 | 169.937 | 1.002 | 14.817 |
| 10/18/2016 11:30:00 AM | 480600.000 | 12.046 | 17.694 |
| 27.457 | 5883.520 | 6837.635 | 3.785 |
| 4649.592 | 169.966 | 1.002 | 14.817 |
| 10/18/2016 11:35:00 AM | 480900.000 | 12.052 | 17.694 |
| 27.470 | 5882.782 | 6836.817 | 3.784 |
| 4649.036 | 169.988 | 1.002 | 14.817 |
| 10/18/2016 11:40:00 AM | 481200.000 | 12.051 | 17.694 |
| 27.468 | 5881.387 | 6835.222 | 3.783 |
| 4647.952 | 170.028 | 1.002 | 14.817 |
| 10/18/2016 11:45:00 AM | 481500.000 | 12.044 | 17.694 |
| 27.452 | 5881.607 | 6835.478 | 3.783 |
| 4648.125 | 170.022 | 1.002 | 14.817 |
| 10/18/2016 11:50:00 AM | 481800.000 | 12.044 | 17.694 |
| 27.453 | 5880.651 | 6834.340 | 3.783 |
| 4647.351 | 170.049 | 1.002 | 14.817 |
| 10/18/2016 11:55:00 AM | 482100.000 | 12.049 | 17.694 |
| 27.464 | 5879.682 | 6833.254 | 3.782 |
| 4646.614 | 170.077 | 1.002 | 14.818 |
| 10/18/2016 12:00:00 PM | 482400.000 | 12.045 | 17.694 |
| 27.455 | 5880.886 | 6834.629 | 3.783 |
| 4647.548 | 170.042 | 1.002 | 14.818 |
| 10/18/2016 12:05:00 PM | 482700.000 | 12.048 | 17.694 |
| 27.462 | 5879.667 | 6833.197 | 3.782 |
| 4646.574 | 170.078 | 1.002 | 14.818 |
| 10/18/2016 12:10:00 PM | 483000.000 | 12.047 | 17.694 |
| 27.460 | 5879.000 | 6832.449 | 3.781 |
| 4646.066 | 170.097 | 1.002 | 14.817 |
| 10/18/2016 12:15:00 PM | 483300.000 | 12.042 | 17.695 |
| 27.447 | 5878.279 | 6831.478 | 3.781 |
| 4645.405 | 170.118 | 1.002 | 14.816 |
| 10/18/2016 12:20:00 PM | 483600.000 | 12.041 | 17.694 |
| 27.444 | 5877.414 | 6830.578 | 3.780 |
| 4644.793 | 170.143 | 1.002 | 14.818 |
| 10/18/2016 12:25:00 PM | 483900.000 | 12.045 | 17.694 |
| 27.454 | 5877.128 | 6830.220 | 3.780 |
| 4644.550 | 170.151 | 1.002 | 14.819 |
| 10/18/2016 12:30:00 PM | 484200.000 | 12.044 | 17.694 |
| 27.452 | 5878.657 | 6832.063 | 3.781 |

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|---|---|---|---|
| 4645.803 | 170.107 | 1.002 | 14.821 |
| 10/18/2016 12:35:00 PM | 484500.000 | 12.040 | 17.694 |
| 27.443 | 5878.013 | 6831.301 | 3.781 |
| 4645.286 | 170.126 | 1.002 | 14.818 |
| 10/18/2016 12:40:00 PM | 484800.000 | 12.040 | 17.694 |
| 27.444 | 5876.174 | 6829.164 | 3.780 |
| 4643.831 | 170.179 | 1.002 | 14.816 |
| 10/18/2016 12:45:00 PM | 485100.000 | 12.045 | 17.694 |
| 27.454 | 5876.374 | 6829.331 | 3.780 |
| 4643.945 | 170.173 | 1.002 | 14.813 |
| 10/18/2016 12:50:00 PM | 485400.000 | 12.047 | 17.694 |
| 27.459 | 5876.283 | 6829.318 | 3.780 |
| 4643.937 | 170.176 | 1.002 | 14.810 |
| 10/18/2016 12:55:00 PM | 485700.000 | 12.050 | 17.694 |
| 27.465 | 5875.536 | 6828.370 | 3.779 |
| 4643.292 | 170.197 | 1.002 | 14.806 |
| 10/18/2016 1:00:00 PM | 486000.000 | 12.051 | 17.694 |
| 27.468 | 5875.786 | 6828.635 | 3.779 |
| 4643.472 | 170.190 | 1.002 | 14.802 |
| 10/18/2016 1:05:00 PM | 486300.000 | 12.047 | 17.694 |
| 27.459 | 5874.482 | 6827.146 | 3.778 |
| 4642.459 | 170.228 | 1.002 | 14.803 |
| 10/18/2016 1:10:00 PM | 486600.000 | 12.044 | 17.694 |
| 27.453 | 5875.718 | 6828.607 | 3.779 |
| 4643.453 | 170.192 | 1.002 | 14.803 |
| 10/18/2016 1:15:00 PM | 486900.000 | 12.047 | 17.694 |
| 27.460 | 5875.068 | 6827.932 | 3.779 |
| 4642.995 | 170.211 | 1.002 | 14.804 |
| 10/18/2016 1:20:00 PM | 487200.000 | 12.047 | 17.694 |
| 27.458 | 5874.947 | 6827.727 | 3.779 |
| 4642.854 | 170.214 | 1.002 | 14.804 |
| 10/18/2016 1:25:00 PM | 487500.000 | 12.043 | 17.694 |
| 27.450 | 5874.700 | 6827.424 | 3.778 |
| 4642.649 | 170.221 | 1.002 | 14.804 |
| 10/18/2016 1:30:00 PM | 487800.000 | 12.043 | 17.694 |
| 27.449 | 5874.585 | 6827.306 | 3.778 |
| 4642.568 | 170.225 | 1.002 | 14.804 |
| 10/18/2016 1:35:00 PM | 488100.000 | 12.039 | 17.694 |
| 27.440 | 5875.366 | 6828.172 | 3.779 |
| 4643.158 | 170.202 | 1.002 | 14.802 |
| 10/18/2016 1:40:00 PM | 488400.000 | 12.044 | 17.694 |
| 27.452 | 5874.861 | 6827.572 | 3.779 |
| 4642.750 | 170.217 | 1.002 | 14.800 |
| 10/18/2016 1:45:00 PM | 488700.000 | 12.044 | 17.694 |
| 27.453 | 5874.178 | 6826.792 | 3.778 |
| 4642.219 | 170.237 | 1.002 | 14.799 |
| 10/18/2016 1:50:00 PM | 489000.000 | 12.043 | 17.694 |
| 27.451 | 5874.358 | 6827.026 | 3.778 |
| 4642.378 | 170.231 | 1.002 | 14.798 |
| 10/18/2016 1:55:00 PM | 489300.000 | 12.044 | 17.694 |
| 27.452 | 5874.359 | 6827.055 | 3.778 |
| 4642.398 | 170.231 | 1.002 | 14.798 |
| 10/18/2016 2:00:00 PM | 489600.000 | 12.039 | 17.694 |
| 27.440 | 5874.403 | 6827.066 | 3.778 |
| 4642.405 | 170.230 | 1.002 | 14.798 |
| 10/18/2016 2:05:00 PM | 489900.000 | 12.045 | 17.694 |

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|---|---|---|---|
| 27.455 | 5874.754 | 6827.542 | 3.779 |
| 4642.729 | 170.220 | 1.002 | 14.795 |
| 10/18/2016 2:10:00 PM | 490200.000 | 12.042 | 17.694 |
| 27.448 | 5875.575 | 6828.440 | 3.779 |
| 4643.340 | 170.196 | 1.002 | 14.792 |
| 10/18/2016 2:15:00 PM | 490500.000 | 12.047 | 17.694 |
| 27.459 | 5874.377 | 6827.128 | 3.778 |
| 4642.447 | 170.231 | 1.002 | 14.789 |
| 10/18/2016 2:20:00 PM | 490800.000 | 12.044 | 17.694 |
| 27.452 | 5874.780 | 6827.492 | 3.779 |
| 4642.694 | 170.219 | 1.002 | 14.792 |
| 10/18/2016 2:25:00 PM | 491100.000 | 12.036 | 17.694 |
| 27.434 | 5875.677 | 6828.534 | 3.779 |
| 4643.403 | 170.193 | 1.002 | 14.794 |
| 10/18/2016 2:30:00 PM | 491400.000 | 12.033 | 17.694 |
| 27.426 | 5875.891 | 6828.769 | 3.779 |
| 4643.563 | 170.187 | 1.002 | 14.796 |
| 10/18/2016 2:35:00 PM | 491700.000 | 12.039 | 17.694 |
| 27.442 | 5874.781 | 6827.545 | 3.779 |
| 4642.730 | 170.219 | 1.002 | 14.793 |
| 10/18/2016 2:40:00 PM | 492000.000 | 12.038 | 17.694 |
| 27.438 | 5875.999 | 6828.920 | 3.779 |
| 4643.667 | 170.184 | 1.002 | 14.789 |
| 10/18/2016 2:45:00 PM | 492300.000 | 12.040 | 17.694 |
| 27.443 | 5874.703 | 6827.415 | 3.778 |
| 4642.643 | 170.221 | 1.002 | 14.786 |
| 10/18/2016 2:50:00 PM | 492600.000 | 12.038 | 17.693 |
| 27.439 | 5874.641 | 6827.462 | 3.779 |
| 4642.674 | 170.223 | 1.002 | 14.784 |
| 10/18/2016 2:55:00 PM | 492900.000 | 12.042 | 17.694 |
| 27.447 | 5874.335 | 6827.026 | 3.778 |
| 4642.378 | 170.232 | 1.002 | 14.783 |
| 10/18/2016 3:00:00 PM | 493200.000 | 12.042 | 17.694 |
| 27.448 | 5875.265 | 6828.146 | 3.779 |
| 4643.140 | 170.205 | 1.002 | 14.782 |
| 10/18/2016 3:05:00 PM | 493500.000 | 12.042 | 17.694 |
| 27.448 | 5876.141 | 6829.153 | 3.780 |
| 4643.825 | 170.180 | 1.002 | 14.782 |
| 10/18/2016 3:10:00 PM | 493800.000 | 12.039 | 17.694 |
| 27.441 | 5875.499 | 6828.302 | 3.779 |
| 4643.246 | 170.198 | 1.002 | 14.781 |
| 10/18/2016 3:15:00 PM | 494100.000 | 12.039 | 17.694 |
| 27.442 | 5875.892 | 6828.770 | 3.779 |
| 4643.564 | 170.187 | 1.002 | 14.781 |
| 10/18/2016 3:20:00 PM | 494400.000 | 12.042 | 17.694 |
| 27.447 | 5876.071 | 6829.018 | 3.779 |
| 4643.732 | 170.182 | 1.002 | 14.782 |
| 10/18/2016 3:25:00 PM | 494700.000 | 12.036 | 17.694 |
| 27.433 | 5877.041 | 6830.225 | 3.780 |
| 4644.553 | 170.154 | 1.002 | 14.782 |
| 10/18/2016 3:30:00 PM | 495000.000 | 12.039 | 17.694 |
| 27.440 | 5876.613 | 6829.702 | 3.780 |
| 4644.197 | 170.166 | 1.002 | 14.783 |
| 10/18/2016 3:35:00 PM | 495300.000 | 12.040 | 17.693 |
| 27.443 | 5876.457 | 6829.613 | 3.780 |
| 4644.137 | 170.171 | 1.002 | 14.782 |

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|---|---|---|---|
| 10/18/2016 3:40:00 PM | 495600.000 | 12.040 | 17.695 |
| 27.443 | 5877.293 | 6830.359 | 3.780 |
| 4644.644 | 170.146 | 1.002 | 14.781 |
| 10/18/2016 3:45:00 PM | 495900.000 | 12.034 | 17.694 |
| 27.430 | 5877.372 | 6830.569 | 3.780 |
| 4644.787 | 170.144 | 1.002 | 14.780 |
| 10/18/2016 3:50:00 PM | 496200.000 | 12.033 | 17.694 |
| 27.428 | 5877.550 | 6830.723 | 3.780 |
| 4644.892 | 170.139 | 1.002 | 14.779 |
| 10/18/2016 3:55:00 PM | 496500.000 | 12.034 | 17.694 |
| 27.430 | 5878.109 | 6831.466 | 3.781 |
| 4645.397 | 170.123 | 1.002 | 14.777 |
| 10/18/2016 4:00:00 PM | 496800.000 | 12.035 | 17.694 |
| 27.431 | 5878.306 | 6831.589 | 3.781 |
| 4645.481 | 170.117 | 1.002 | 14.776 |
| 10/18/2016 4:05:00 PM | 497100.000 | 12.034 | 17.694 |
| 27.429 | 5878.121 | 6831.374 | 3.781 |
| 4645.335 | 170.122 | 1.002 | 14.776 |
| 10/18/2016 4:10:00 PM | 497400.000 | 12.040 | 17.694 |
| 27.442 | 5879.103 | 6832.528 | 3.782 |
| 4646.120 | 170.094 | 1.002 | 14.775 |
| 10/18/2016 4:15:00 PM | 497700.000 | 12.035 | 17.694 |
| 27.431 | 5878.540 | 6831.887 | 3.781 |
| 4645.683 | 170.110 | 1.002 | 14.775 |
| 10/18/2016 4:20:00 PM | 498000.000 | 12.040 | 17.694 |
| 27.443 | 5879.661 | 6833.205 | 3.782 |
| 4646.580 | 170.078 | 1.002 | 14.774 |
| 10/18/2016 4:25:00 PM | 498300.000 | 12.037 | 17.694 |
| 27.435 | 5880.068 | 6833.663 | 3.782 |
| 4646.891 | 170.066 | 1.002 | 14.773 |
| 10/18/2016 4:30:00 PM | 498600.000 | 12.043 | 17.694 |
| 27.450 | 5881.513 | 6835.368 | 3.783 |
| 4648.050 | 170.024 | 1.002 | 14.772 |
| 10/18/2016 4:35:00 PM | 498900.000 | 12.038 | 17.694 |
| 27.437 | 5881.115 | 6834.945 | 3.783 |
| 4647.763 | 170.036 | 1.002 | 14.773 |
| 10/18/2016 4:40:00 PM | 499200.000 | 12.040 | 17.694 |
| 27.444 | 5882.121 | 6836.035 | 3.784 |
| 4648.504 | 170.007 | 1.002 | 14.774 |
| 10/18/2016 4:45:00 PM | 499500.000 | 12.035 | 17.694 |
| 27.431 | 5882.380 | 6836.390 | 3.784 |
| 4648.746 | 169.999 | 1.002 | 14.775 |
| 10/18/2016 4:50:00 PM | 499800.000 | 12.040 | 17.694 |
| 27.442 | 5882.560 | 6836.585 | 3.784 |
| 4648.878 | 169.994 | 1.002 | 14.774 |
| 10/18/2016 4:55:00 PM | 500100.000 | 12.035 | 17.694 |
| 27.432 | 5882.514 | 6836.505 | 3.784 |
| 4648.824 | 169.995 | 1.002 | 14.773 |
| 10/18/2016 5:00:00 PM | 500400.000 | 12.042 | 17.694 |
| 27.447 | 5883.404 | 6837.580 | 3.784 |
| 4649.554 | 169.970 | 1.002 | 14.772 |
| 10/18/2016 5:05:00 PM | 500700.000 | 12.037 | 17.694 |
| 27.437 | 5884.571 | 6838.937 | 3.785 |
| 4650.478 | 169.936 | 1.002 | 14.773 |
| 10/18/2016 5:10:00 PM | 501000.000 | 12.035 | 17.694 |
| 27.431 | 5884.615 | 6838.973 | 3.785 |

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|---|---|---|---|
| 4650.502 | 169.935 | 1.002 | 14.774 |
| 10/18/2016 5:15:00 PM | 501300.000 | 12.034 | 17.694 |
| 27.428 | 5885.302 | 6839.771 | 3.786 |
| 4651.045 | 169.915 | 1.002 | 14.775 |
| 10/18/2016 5:20:00 PM | 501600.000 | 12.037 | 17.694 |
| 27.435 | 5886.722 | 6841.436 | 3.787 |
| 4652.176 | 169.874 | 1.002 | 14.776 |
| 10/18/2016 5:25:00 PM | 501900.000 | 12.035 | 17.694 |
| 27.431 | 5886.802 | 6841.503 | 3.787 |
| 4652.222 | 169.872 | 1.002 | 14.777 |
| 10/18/2016 5:30:00 PM | 502200.000 | 12.038 | 17.694 |
| 27.438 | 5887.229 | 6841.985 | 3.787 |
| 4652.550 | 169.859 | 1.002 | 14.778 |
| 10/18/2016 5:35:00 PM | 502500.000 | 12.035 | 17.694 |
| 27.431 | 5887.982 | 6842.926 | 3.788 |
| 4653.190 | 169.837 | 1.002 | 14.780 |
| 10/18/2016 5:40:00 PM | 502800.000 | 12.031 | 17.694 |
| 27.423 | 5888.888 | 6843.953 | 3.788 |
| 4653.888 | 169.811 | 1.002 | 14.782 |
| 10/18/2016 5:45:00 PM | 503100.000 | 12.027 | 17.694 |
| 27.413 | 5889.773 | 6844.982 | 3.789 |
| 4654.588 | 169.786 | 1.002 | 14.784 |
| 10/18/2016 5:50:00 PM | 503400.000 | 12.031 | 17.694 |
| 27.422 | 5890.290 | 6845.542 | 3.789 |
| 4654.969 | 169.771 | 1.002 | 14.783 |
| 10/18/2016 5:55:00 PM | 503700.000 | 12.026 | 17.694 |
| 27.411 | 5890.603 | 6845.880 | 3.789 |
| 4655.199 | 169.762 | 1.002 | 14.783 |
| 10/18/2016 6:00:00 PM | 504000.000 | 12.032 | 17.694 |
| 27.424 | 5890.119 | 6845.343 | 3.789 |
| 4654.834 | 169.776 | 1.002 | 14.783 |
| 10/18/2016 6:05:00 PM | 504300.000 | 12.033 | 17.694 |
| 27.427 | 5890.629 | 6845.952 | 3.789 |
| 4655.248 | 169.761 | 1.002 | 14.781 |
| 10/18/2016 6:10:00 PM | 504600.000 | 12.032 | 17.694 |
| 27.425 | 5891.040 | 6846.494 | 3.790 |
| 4655.616 | 169.749 | 1.002 | 14.780 |
| 10/18/2016 6:15:00 PM | 504900.000 | 12.036 | 17.694 |
| 27.433 | 5891.810 | 6847.270 | 3.790 |
| 4656.144 | 169.727 | 1.002 | 14.778 |
| 10/18/2016 6:20:00 PM | 505200.000 | 12.038 | 17.694 |
| 27.438 | 5892.450 | 6848.068 | 3.791 |
| 4656.687 | 169.709 | 1.002 | 14.778 |
| 10/18/2016 6:25:00 PM | 505500.000 | 12.036 | 17.694 |
| 27.434 | 5891.640 | 6847.152 | 3.790 |
| 4656.063 | 169.732 | 1.002 | 14.777 |
| 10/18/2016 6:30:00 PM | 505800.000 | 12.033 | 17.694 |
| 27.427 | 5893.268 | 6849.043 | 3.791 |
| 4657.349 | 169.685 | 1.002 | 14.777 |
| 10/18/2016 6:35:00 PM | 506100.000 | 12.033 | 17.694 |
| 27.427 | 5893.116 | 6848.827 | 3.791 |
| 4657.203 | 169.690 | 1.002 | 14.781 |
| 10/18/2016 6:40:00 PM | 506400.000 | 12.028 | 17.694 |
| 27.416 | 5892.866 | 6848.551 | 3.791 |
| 4657.015 | 169.697 | 1.002 | 14.786 |
| 10/18/2016 6:45:00 PM | 506700.000 | 12.026 | 17.694 |

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|---|---|---|---|
| 27.410 | 5894.091 | 6849.987 | 3.792 |
| 4657.991 | 169.661 | 1.002 | 14.790 |
| 10/18/2016 6:50:00 PM | 507000.000 | 12.031 | 17.694 |
| 27.421 | 5892.979 | 6848.695 | 3.791 |
| 4657.113 | 169.693 | 1.002 | 14.787 |
| 10/18/2016 6:55:00 PM | 507300.000 | 12.029 | 17.694 |
| 27.417 | 5894.668 | 6850.646 | 3.792 |
| 4658.439 | 169.645 | 1.002 | 14.785 |
| 10/18/2016 7:00:00 PM | 507600.000 | 12.035 | 17.694 |
| 27.432 | 5894.990 | 6851.060 | 3.792 |
| 4658.721 | 169.636 | 1.002 | 14.782 |
| 10/18/2016 7:05:00 PM | 507900.000 | 12.038 | 17.694 |
| 27.437 | 5894.993 | 6851.088 | 3.792 |
| 4658.741 | 169.635 | 1.002 | 14.781 |
| 10/18/2016 7:10:00 PM | 508200.000 | 12.039 | 17.694 |
| 27.440 | 5893.952 | 6849.878 | 3.792 |
| 4657.917 | 169.665 | 1.002 | 14.780 |
| 10/18/2016 7:15:00 PM | 508500.000 | 12.040 | 17.694 |
| 27.442 | 5895.316 | 6851.449 | 3.793 |
| 4658.986 | 169.626 | 1.002 | 14.778 |
| 10/18/2016 7:20:00 PM | 508800.000 | 12.034 | 17.694 |
| 27.429 | 5894.804 | 6850.814 | 3.792 |
| 4658.554 | 169.641 | 1.002 | 14.783 |
| 10/18/2016 7:25:00 PM | 509100.000 | 12.026 | 17.694 |
| 27.411 | 5895.435 | 6851.522 | 3.793 |
| 4659.035 | 169.623 | 1.002 | 14.788 |
| 10/18/2016 7:30:00 PM | 509400.000 | 12.023 | 17.694 |
| 27.403 | 5895.874 | 6852.006 | 3.793 |
| 4659.365 | 169.610 | 1.002 | 14.793 |
| 10/18/2016 7:35:00 PM | 509700.000 | 12.030 | 17.694 |
| 27.420 | 5894.916 | 6850.933 | 3.792 |
| 4658.635 | 169.638 | 1.002 | 14.791 |
| 10/18/2016 7:40:00 PM | 510000.000 | 12.032 | 17.694 |
| 27.425 | 5895.521 | 6851.676 | 3.793 |
| 4659.141 | 169.620 | 1.002 | 14.789 |
| 10/18/2016 7:45:00 PM | 510300.000 | 12.034 | 17.694 |
| 27.430 | 5896.917 | 6853.325 | 3.794 |
| 4660.261 | 169.580 | 1.002 | 14.787 |
| 10/18/2016 7:50:00 PM | 510600.000 | 12.033 | 17.694 |
| 27.427 | 5896.150 | 6852.328 | 3.793 |
| 4659.583 | 169.602 | 1.002 | 14.790 |
| 10/18/2016 7:55:00 PM | 510900.000 | 12.029 | 17.694 |
| 27.419 | 5896.494 | 6852.768 | 3.793 |
| 4659.882 | 169.592 | 1.002 | 14.793 |
| 10/18/2016 8:00:00 PM | 511200.000 | 12.030 | 17.694 |
| 27.420 | 5896.609 | 6852.821 | 3.794 |
| 4659.918 | 169.589 | 1.002 | 14.796 |
| 10/18/2016 8:05:00 PM | 511500.000 | 12.031 | 17.694 |
| 27.422 | 5896.579 | 6852.852 | 3.794 |
| 4659.939 | 169.590 | 1.002 | 14.796 |
| 10/18/2016 8:10:00 PM | 511800.000 | 12.027 | 17.694 |
| 27.412 | 5896.327 | 6852.533 | 3.793 |
| 4659.723 | 169.597 | 1.002 | 14.795 |
| 10/18/2016 8:15:00 PM | 512100.000 | 12.031 | 17.693 |
| 27.421 | 5897.411 | 6853.912 | 3.794 |
| 4660.660 | 169.566 | 1.002 | 14.795 |

| | | | |
|---|---|---|---|
| 10/18/2016 8:20:00 PM | 512400.000 | 12.026 | 17.694 |
| 27.410 | 5896.871 | 6853.231 | 3.794 |
| 4660.197 | 169.581 | 1.002 | 14.797 |
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| 27.420 | 5897.855 | 6854.270 | 3.794 |
| 4660.903 | 169.553 | 1.002 | 14.798 |
| 10/18/2016 8:30:00 PM | 513000.000 | 12.030 | 17.694 |
| 27.419 | 5897.277 | 6853.717 | 3.794 |
| 4660.528 | 169.570 | 1.002 | 14.799 |
| 10/18/2016 8:35:00 PM | 513300.000 | 12.030 | 17.694 |
| 27.420 | 5897.877 | 6854.375 | 3.794 |
| 4660.976 | 169.553 | 1.002 | 14.799 |
| 10/18/2016 8:40:00 PM | 513600.000 | 12.031 | 17.694 |
| 27.423 | 5897.525 | 6854.017 | 3.794 |
| 4660.732 | 169.563 | 1.002 | 14.798 |
| 10/18/2016 8:45:00 PM | 513900.000 | 12.033 | 17.694 |
| 27.426 | 5898.818 | 6855.469 | 3.795 |
| 4661.719 | 169.525 | 1.002 | 14.797 |
| 10/18/2016 8:50:00 PM | 514200.000 | 12.032 | 17.694 |
| 27.425 | 5898.073 | 6854.587 | 3.795 |
| 4661.120 | 169.547 | 1.002 | 14.797 |
| 10/18/2016 8:55:00 PM | 514500.000 | 12.034 | 17.694 |
| 27.430 | 5898.077 | 6854.633 | 3.795 |
| 4661.150 | 169.547 | 1.002 | 14.796 |
| 10/18/2016 9:00:00 PM | 514800.000 | 12.031 | 17.694 |
| 27.422 | 5898.287 | 6854.771 | 3.795 |
| 4661.245 | 169.541 | 1.002 | 14.795 |
| 10/18/2016 9:05:00 PM | 515100.000 | 12.034 | 17.694 |
| 27.429 | 5898.258 | 6854.777 | 3.795 |
| 4661.249 | 169.542 | 1.002 | 14.797 |
| 10/18/2016 9:10:00 PM | 515400.000 | 12.032 | 17.694 |
| 27.424 | 5898.523 | 6855.177 | 3.795 |
| 4661.520 | 169.534 | 1.002 | 14.799 |
| 10/18/2016 9:15:00 PM | 515700.000 | 12.030 | 17.694 |
| 27.420 | 5898.599 | 6855.214 | 3.795 |
| 4661.546 | 169.532 | 1.002 | 14.801 |
| 10/18/2016 9:20:00 PM | 516000.000 | 12.032 | 17.694 |
| 27.424 | 5899.395 | 6856.164 | 3.795 |
| 4662.191 | 169.509 | 1.002 | 14.800 |
| 10/18/2016 9:25:00 PM | 516300.000 | 12.028 | 17.694 |
| 27.417 | 5898.991 | 6855.654 | 3.795 |
| 4661.845 | 169.521 | 1.002 | 14.800 |
| 10/18/2016 9:30:00 PM | 516600.000 | 12.030 | 17.694 |
| 27.419 | 5899.010 | 6855.756 | 3.795 |
| 4661.915 | 169.520 | 1.002 | 14.799 |
| 10/18/2016 9:35:00 PM | 516900.000 | 12.028 | 17.694 |
| 27.416 | 5899.648 | 6856.458 | 3.796 |
| 4662.392 | 169.502 | 1.002 | 14.802 |
| 10/18/2016 9:40:00 PM | 517200.000 | 12.027 | 17.694 |
| 27.413 | 5900.075 | 6856.889 | 3.796 |
| 4662.685 | 169.489 | 1.002 | 14.804 |
| 10/18/2016 9:45:00 PM | 517500.000 | 12.029 | 17.693 |
| 27.418 | 5903.203 | 6860.683 | 3.798 |
| 4665.265 | 169.400 | 1.002 | 14.807 |
| 10/18/2016 9:50:00 PM | 517800.000 | 12.027 | 17.694 |
| 27.413 | 5913.084 | 6872.088 | 3.805 |

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| 4673.021 | 169.116 | 1.002 | 14.807 |
| 10/18/2016 9:55:00 PM | 518100.000 | 12.026 | 17.694 |
| 27.412 | 5929.824 | 6891.529 | 3.816 |
| 4686.240 | 168.639 | 1.002 | 14.807 |
| 10/18/2016 10:00:00 PM | 518400.000 | 12.030 | 17.694 |
| 27.420 | 5943.640 | 6907.611 | 3.826 |
| 4697.175 | 168.247 | 1.002 | 14.808 |
| 10/18/2016 10:05:00 PM | 518700.000 | 12.027 | 17.694 |
| 27.414 | 5957.384 | 6923.572 | 3.835 |
| 4708.030 | 167.859 | 1.002 | 14.807 |
| 10/18/2016 10:10:00 PM | 519000.000 | 12.033 | 17.694 |
| 27.427 | 5969.689 | 6937.859 | 3.844 |
| 4717.744 | 167.513 | 1.002 | 14.807 |
| 10/18/2016 10:15:00 PM | 519300.000 | 12.034 | 17.694 |
| 27.429 | 5981.283 | 6951.374 | 3.852 |
| 4726.935 | 167.188 | 1.002 | 14.806 |
| 10/18/2016 10:20:00 PM | 519600.000 | 12.034 | 17.693 |
| 27.428 | 5990.698 | 6962.329 | 3.858 |
| 4734.384 | 166.925 | 1.002 | 14.807 |
| 10/18/2016 10:25:00 PM | 519900.000 | 12.032 | 17.694 |
| 27.424 | 5999.810 | 6972.890 | 3.865 |
| 4741.566 | 166.672 | 1.002 | 14.807 |
| 10/18/2016 10:30:00 PM | 520200.000 | 12.030 | 17.694 |
| 27.420 | 6009.019 | 6983.607 | 3.871 |
| 4748.853 | 166.417 | 1.002 | 14.807 |
| 10/18/2016 10:35:00 PM | 520500.000 | 12.028 | 17.694 |
| 27.415 | 6015.410 | 6991.021 | 3.875 |
| 4753.895 | 166.240 | 1.002 | 14.806 |
| 10/18/2016 10:40:00 PM | 520800.000 | 12.027 | 17.694 |
| 27.414 | 6023.883 | 7000.816 | 3.881 |
| 4760.555 | 166.006 | 1.002 | 14.806 |
| 10/18/2016 10:45:00 PM | 521100.000 | 12.032 | 17.693 |
| 27.425 | 6030.629 | 7008.792 | 3.886 |
| 4765.979 | 165.820 | 1.002 | 14.805 |
| 10/18/2016 10:50:00 PM | 521400.000 | 12.032 | 17.693 |
| 27.425 | 6035.723 | 7014.724 | 3.889 |
| 4770.013 | 165.680 | 1.002 | 14.805 |
| 10/18/2016 10:55:00 PM | 521700.000 | 12.030 | 17.694 |
| 27.420 | 6043.868 | 7024.083 | 3.895 |
| 4776.376 | 165.457 | 1.002 | 14.805 |
| 10/18/2016 11:00:00 PM | 522000.000 | 12.033 | 17.693 |
| 27.427 | 6048.893 | 7029.978 | 3.898 |
| 4780.385 | 165.320 | 1.002 | 14.805 |
| 10/18/2016 11:05:00 PM | 522300.000 | 12.030 | 17.693 |
| 27.419 | 6053.568 | 7035.477 | 3.902 |
| 4784.125 | 165.192 | 1.002 | 14.806 |
| 10/18/2016 11:10:00 PM | 522600.000 | 12.034 | 17.693 |
| 27.429 | 6059.735 | 7042.563 | 3.906 |
| 4788.943 | 165.024 | 1.002 | 14.807 |
| 10/18/2016 11:15:00 PM | 522900.000 | 12.035 | 17.694 |
| 27.431 | 6064.732 | 7048.357 | 3.909 |
| 4792.883 | 164.888 | 1.002 | 14.807 |
| 10/18/2016 11:20:00 PM | 523200.000 | 12.036 | 17.693 |
| 27.434 | 6070.203 | 7054.743 | 3.913 |
| 4797.226 | 164.739 | 1.002 | 14.807 |
| 10/18/2016 11:25:00 PM | 523500.000 | 12.037 | 17.693 |

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| 27.435 | 6074.698 | 7059.953 | 3.916 |
| 4800.769 | 164.617 | 1.002 | 14.807 |
| 10/18/2016 11:30:00 PM | 523800.000 | 12.033 | 17.693 |
| 27.427 | 6079.222 | 7065.226 | 3.919 |
| 4804.354 | 164.495 | 1.002 | 14.807 |
| 10/18/2016 11:35:00 PM | 524100.000 | 12.034 | 17.694 |
| 27.428 | 6083.293 | 7069.902 | 3.922 |
| 4807.533 | 164.385 | 1.002 | 14.807 |
| 10/18/2016 11:40:00 PM | 524400.000 | 12.038 | 17.693 |
| 27.438 | 6088.575 | 7076.191 | 3.926 |
| 4811.811 | 164.242 | 1.002 | 14.807 |
| 10/18/2016 11:45:00 PM | 524700.000 | 12.037 | 17.693 |
| 27.436 | 6092.097 | 7080.255 | 3.928 |
| 4814.574 | 164.147 | 1.002 | 14.807 |
| 10/18/2016 11:50:00 PM | 525000.000 | 12.038 | 17.693 |
| 27.438 | 6096.159 | 7084.895 | 3.931 |
| 4817.729 | 164.038 | 1.002 | 14.806 |
| 10/18/2016 11:55:00 PM | 525300.000 | 12.039 | 17.693 |
| 27.441 | 6099.574 | 7088.878 | 3.933 |
| 4820.438 | 163.946 | 1.002 | 14.806 |
| 10/19/2016 12:00:00 AM | 525600.000 | 12.037 | 17.693 |
| 27.436 | 6104.397 | 7094.538 | 3.937 |
| 4824.286 | 163.816 | 1.002 | 14.806 |
| 10/19/2016 12:05:00 AM | 525900.000 | 12.038 | 17.693 |
| 27.439 | 6107.914 | 7098.555 | 3.939 |
| 4827.018 | 163.722 | 1.002 | 14.805 |
| 10/19/2016 12:10:00 AM | 526200.000 | 12.045 | 17.694 |
| 27.454 | 6110.467 | 7101.510 | 3.941 |
| 4829.027 | 163.654 | 1.002 | 14.803 |
| 10/19/2016 12:15:00 AM | 526500.000 | 12.046 | 17.693 |
| 27.457 | 6114.366 | 7106.054 | 3.944 |
| 4832.117 | 163.549 | 1.002 | 14.802 |
| 10/19/2016 12:20:00 AM | 526800.000 | 12.043 | 17.693 |
| 27.450 | 6118.411 | 7110.867 | 3.946 |
| 4835.390 | 163.441 | 1.002 | 14.804 |
| 10/19/2016 12:25:00 AM | 527100.000 | 12.038 | 17.694 |
| 27.438 | 6121.103 | 7113.855 | 3.948 |
| 4837.422 | 163.369 | 1.002 | 14.806 |
| 10/19/2016 12:30:00 AM | 527400.000 | 12.039 | 17.693 |
| 27.441 | 6124.177 | 7117.499 | 3.950 |
| 4839.899 | 163.287 | 1.002 | 14.808 |
| 10/19/2016 12:35:00 AM | 527700.000 | 12.041 | 17.694 |
| 27.445 | 6126.729 | 7120.394 | 3.952 |
| 4841.868 | 163.219 | 1.002 | 14.805 |
| 10/19/2016 12:40:00 AM | 528000.000 | 12.043 | 17.693 |
| 27.449 | 6130.044 | 7124.275 | 3.954 |
| 4844.508 | 163.131 | 1.002 | 14.802 |
| 10/19/2016 12:45:00 AM | 528300.000 | 12.047 | 17.694 |
| 27.458 | 6131.716 | 7126.205 | 3.955 |
| 4845.819 | 163.086 | 1.002 | 14.799 |
| 10/19/2016 12:50:00 AM | 528600.000 | 12.046 | 17.694 |
| 27.456 | 6134.027 | 7128.875 | 3.957 |
| 4847.635 | 163.025 | 1.002 | 14.802 |
| 10/19/2016 12:55:00 AM | 528900.000 | 12.039 | 17.694 |
| 27.441 | 6137.183 | 7132.544 | 3.959 |
| 4850.130 | 162.941 | 1.002 | 14.805 |

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| 10/19/2016 1:00:00 AM | 529200.000 | 12.037 | 17.693 |
| 27.435 | 6139.857 | 7135.708 | 3.961 |
| 4852.282 | 162.870 | 1.002 | 14.808 |
| 10/19/2016 1:05:00 AM | 529500.000 | 12.042 | 17.693 |
| 27.446 | 6142.186 | 7138.401 | 3.963 |
| 4854.113 | 162.809 | 1.002 | 14.808 |
| 10/19/2016 1:10:00 AM | 529800.000 | 12.042 | 17.694 |
| 27.447 | 6144.666 | 7141.255 | 3.964 |
| 4856.053 | 162.743 | 1.002 | 14.808 |
| 10/19/2016 1:15:00 AM | 530100.000 | 12.038 | 17.693 |
| 27.438 | 6146.323 | 7143.223 | 3.966 |
| 4857.392 | 162.699 | 1.002 | 14.809 |
| 10/19/2016 1:20:00 AM | 530400.000 | 12.039 | 17.693 |
| 27.441 | 6148.917 | 7146.209 | 3.967 |
| 4859.423 | 162.630 | 1.002 | 14.807 |
| 10/19/2016 1:25:00 AM | 530700.000 | 12.041 | 17.693 |
| 27.444 | 6150.858 | 7148.465 | 3.969 |
| 4860.957 | 162.579 | 1.002 | 14.806 |
| 10/19/2016 1:30:00 AM | 531000.000 | 12.045 | 17.694 |
| 27.455 | 6152.971 | 7150.892 | 3.970 |
| 4862.606 | 162.523 | 1.002 | 14.805 |
| 10/19/2016 1:35:00 AM | 531300.000 | 12.041 | 17.694 |
| 27.445 | 6153.729 | 7151.761 | 3.971 |
| 4863.198 | 162.503 | 1.002 | 14.806 |
| 10/19/2016 1:40:00 AM | 531600.000 | 12.045 | 17.693 |
| 27.455 | 6156.260 | 7154.759 | 3.972 |
| 4865.236 | 162.436 | 1.002 | 14.807 |
| 10/19/2016 1:45:00 AM | 531900.000 | 12.041 | 17.693 |
| 27.445 | 6157.842 | 7156.639 | 3.974 |
| 4866.514 | 162.395 | 1.002 | 14.809 |
| 10/19/2016 1:50:00 AM | 532200.000 | 12.044 | 17.693 |
| 27.452 | 6158.685 | 7157.562 | 3.974 |
| 4867.142 | 162.372 | 1.002 | 14.808 |
| 10/19/2016 1:55:00 AM | 532500.000 | 12.047 | 17.694 |
| 27.458 | 6160.225 | 7159.311 | 3.975 |
| 4868.332 | 162.332 | 1.002 | 14.808 |
| 10/19/2016 2:00:00 AM | 532800.000 | 12.043 | 17.693 |
| 27.450 | 6161.712 | 7161.080 | 3.976 |
| 4869.535 | 162.293 | 1.002 | 14.808 |
| 10/19/2016 2:05:00 AM | 533100.000 | 12.047 | 17.693 |
| 27.460 | 6163.891 | 7163.668 | 3.978 |
| 4871.294 | 162.235 | 1.002 | 14.808 |
| 10/19/2016 2:10:00 AM | 533400.000 | 12.042 | 17.693 |
| 27.447 | 6164.814 | 7164.700 | 3.978 |
| 4871.997 | 162.211 | 1.002 | 14.808 |
| 10/19/2016 2:15:00 AM | 533700.000 | 12.049 | 17.694 |
| 27.464 | 6166.529 | 7166.597 | 3.979 |
| 4873.286 | 162.166 | 1.002 | 14.808 |
| 10/19/2016 2:20:00 AM | 534000.000 | 12.049 | 17.693 |
| 27.463 | 6167.646 | 7168.019 | 3.980 |
| 4874.253 | 162.136 | 1.002 | 14.809 |
| 10/19/2016 2:25:00 AM | 534300.000 | 12.044 | 17.693 |
| 27.451 | 6168.272 | 7168.746 | 3.981 |
| 4874.747 | 162.120 | 1.002 | 14.811 |
| 10/19/2016 2:30:00 AM | 534600.000 | 12.044 | 17.694 |
| 27.451 | 6169.991 | 7170.646 | 3.982 |

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| 4876.040 | 162.075 | 1.002 | 14.812 |
| 10/19/2016 2:35:00 AM | 534900.000 | 12.047 | 17.694 |
| 27.459 | 6170.728 | 7171.476 | 3.982 |
| 4876.604 | 162.055 | 1.002 | 14.813 |
| 10/19/2016 2:40:00 AM | 535200.000 | 12.042 | 17.694 |
| 27.447 | 6171.016 | 7171.795 | 3.983 |
| 4876.821 | 162.048 | 1.002 | 14.815 |
| 10/19/2016 2:45:00 AM | 535500.000 | 12.042 | 17.694 |
| 27.448 | 6172.650 | 7173.722 | 3.984 |
| 4878.131 | 162.005 | 1.002 | 14.816 |
| 10/19/2016 2:50:00 AM | 535800.000 | 12.047 | 17.694 |
| 27.459 | 6174.063 | 7175.378 | 3.985 |
| 4879.258 | 161.968 | 1.002 | 14.815 |
| 10/19/2016 2:55:00 AM | 536100.000 | 12.049 | 17.694 |
| 27.464 | 6175.281 | 7176.779 | 3.986 |
| 4880.210 | 161.936 | 1.002 | 14.814 |
| 10/19/2016 3:00:00 AM | 536400.000 | 12.045 | 17.694 |
| 27.455 | 6175.013 | 7176.497 | 3.985 |
| 4880.018 | 161.943 | 1.002 | 14.813 |
| 10/19/2016 3:05:00 AM | 536700.000 | 12.047 | 17.694 |
| 27.458 | 6176.538 | 7178.282 | 3.986 |
| 4881.232 | 161.903 | 1.002 | 14.812 |
| 10/19/2016 3:10:00 AM | 537000.000 | 12.047 | 17.693 |
| 27.459 | 6177.643 | 7179.692 | 3.987 |
| 4882.191 | 161.874 | 1.002 | 14.811 |
| 10/19/2016 3:15:00 AM | 537300.000 | 12.048 | 17.694 |
| 27.461 | 6177.866 | 7179.825 | 3.987 |
| 4882.281 | 161.868 | 1.002 | 14.810 |
| 10/19/2016 3:20:00 AM | 537600.000 | 12.055 | 17.694 |
| 27.477 | 6179.131 | 7181.295 | 3.988 |
| 4883.281 | 161.835 | 1.002 | 14.808 |
| 10/19/2016 3:25:00 AM | 537900.000 | 12.051 | 17.694 |
| 27.468 | 6179.330 | 7181.541 | 3.988 |
| 4883.448 | 161.830 | 1.002 | 14.807 |
| 10/19/2016 3:30:00 AM | 538200.000 | 12.056 | 17.694 |
| 27.479 | 6180.288 | 7182.654 | 3.989 |
| 4884.206 | 161.805 | 1.002 | 14.806 |
| 10/19/2016 3:35:00 AM | 538500.000 | 12.055 | 17.694 |
| 27.476 | 6180.230 | 7182.573 | 3.989 |
| 4884.149 | 161.806 | 1.002 | 14.808 |
| 10/19/2016 3:40:00 AM | 538800.000 | 12.053 | 17.693 |
| 27.473 | 6181.551 | 7184.136 | 3.990 |
| 4885.212 | 161.772 | 1.002 | 14.810 |
| 10/19/2016 3:45:00 AM | 539100.000 | 12.050 | 17.694 |
| 27.466 | 6181.760 | 7184.297 | 3.990 |
| 4885.322 | 161.766 | 1.002 | 14.811 |
| 10/19/2016 3:50:00 AM | 539400.000 | 12.047 | 17.694 |
| 27.458 | 6182.315 | 7184.996 | 3.990 |
| 4885.797 | 161.752 | 1.002 | 14.810 |
| 10/19/2016 3:55:00 AM | 539700.000 | 12.052 | 17.694 |
| 27.471 | 6183.136 | 7185.938 | 3.991 |
| 4886.438 | 161.730 | 1.002 | 14.810 |
| 10/19/2016 4:00:00 AM | 540000.000 | 12.053 | 17.694 |
| 27.471 | 6183.140 | 7185.913 | 3.991 |
| 4886.421 | 161.730 | 1.002 | 14.809 |
| 10/19/2016 4:05:00 AM | 540300.000 | 12.049 | 17.694 |

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| 27.464 | 6183.726 | 7186.624 | 3.991 |
| 4886.905 | 161.715 | 1.002 | 14.807 |
| 10/19/2016 4:10:00 AM | 540600.000 | 12.055 | 17.693 |
| 27.478 | 6183.494 | 7186.423 | 3.991 |
| 4886.769 | 161.721 | 1.002 | 14.805 |
| 10/19/2016 4:15:00 AM | 540900.000 | 12.056 | 17.694 |
| 27.479 | 6184.380 | 7187.342 | 3.992 |
| 4887.393 | 161.698 | 1.002 | 14.803 |
| 10/19/2016 4:20:00 AM | 541200.000 | 12.060 | 17.694 |
| 27.488 | 6185.085 | 7188.215 | 3.992 |
| 4887.987 | 161.679 | 1.002 | 14.802 |
| 10/19/2016 4:25:00 AM | 541500.000 | 12.060 | 17.693 |
| 27.488 | 6185.625 | 7188.871 | 3.993 |
| 4888.433 | 161.665 | 1.002 | 14.800 |
| 10/19/2016 4:30:00 AM | 541800.000 | 12.057 | 17.694 |
| 27.482 | 6185.787 | 7189.031 | 3.993 |
| 4888.541 | 161.661 | 1.002 | 14.799 |
| 10/19/2016 4:35:00 AM | 542100.000 | 12.060 | 17.694 |
| 27.488 | 6186.032 | 7189.330 | 3.993 |
| 4888.745 | 161.655 | 1.002 | 14.802 |
| 10/19/2016 4:40:00 AM | 542400.000 | 12.057 | 17.693 |
| 27.481 | 6186.725 | 7190.149 | 3.993 |
| 4889.302 | 161.636 | 1.002 | 14.804 |
| 10/19/2016 4:45:00 AM | 542700.000 | 12.052 | 17.694 |
| 27.471 | 6184.844 | 7187.908 | 3.992 |
| 4887.778 | 161.686 | 1.002 | 14.807 |
| 10/19/2016 4:50:00 AM | 543000.000 | 12.049 | 17.694 |
| 27.464 | 6180.883 | 7183.278 | 3.989 |
| 4884.630 | 161.789 | 1.002 | 14.804 |
| 10/19/2016 4:55:00 AM | 543300.000 | 12.058 | 17.694 |
| 27.485 | 6173.933 | 7175.200 | 3.985 |
| 4879.137 | 161.971 | 1.002 | 14.802 |
| 10/19/2016 5:00:00 AM | 543600.000 | 12.061 | 17.694 |
| 27.490 | 6161.361 | 7160.547 | 3.976 |
| 4869.172 | 162.302 | 1.002 | 14.800 |
| 10/19/2016 5:05:00 AM | 543900.000 | 12.061 | 17.694 |
| 27.490 | 6148.872 | 7146.128 | 3.967 |
| 4859.367 | 162.631 | 1.002 | 14.800 |
| 10/19/2016 5:10:00 AM | 544200.000 | 12.056 | 17.694 |
| 27.479 | 6137.422 | 7132.769 | 3.959 |
| 4850.283 | 162.935 | 1.002 | 14.801 |
| 10/19/2016 5:15:00 AM | 544500.000 | 12.061 | 17.694 |
| 27.490 | 6127.024 | 7120.628 | 3.952 |
| 4842.027 | 163.211 | 1.002 | 14.802 |
| 10/19/2016 5:20:00 AM | 544800.000 | 12.059 | 17.694 |
| 27.486 | 6117.305 | 7109.306 | 3.945 |
| 4834.328 | 163.471 | 1.002 | 14.803 |
| 10/19/2016 5:25:00 AM | 545100.000 | 12.052 | 17.694 |
| 27.471 | 6108.334 | 7098.896 | 3.939 |
| 4827.249 | 163.711 | 1.002 | 14.803 |
| 10/19/2016 5:30:00 AM | 545400.000 | 12.057 | 17.694 |
| 27.481 | 6099.239 | 7088.325 | 3.933 |
| 4820.061 | 163.955 | 1.002 | 14.804 |
| 10/19/2016 5:35:00 AM | 545700.000 | 12.056 | 17.694 |
| 27.479 | 6091.616 | 7079.492 | 3.928 |
| 4814.055 | 164.160 | 1.002 | 14.805 |

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|---|---|---|---|
| 10/19/2016 5:40:00 AM | 546000.000 | 12.055 | 17.694 |
| 27.478 | 6084.454 | 7071.142 | 3.923 |
| 4808.377 | 164.353 | 1.002 | 14.806 |
| 10/19/2016 5:45:00 AM | 546300.000 | 12.056 | 17.694 |
| 27.479 | 6079.510 | 7065.408 | 3.919 |
| 4804.478 | 164.487 | 1.002 | 14.807 |
| 10/19/2016 5:50:00 AM | 546600.000 | 12.053 | 17.694 |
| 27.472 | 6072.896 | 7057.722 | 3.915 |
| 4799.251 | 164.666 | 1.002 | 14.808 |
| 10/19/2016 5:55:00 AM | 546900.000 | 12.054 | 17.695 |
| 27.474 | 6066.061 | 7049.725 | 3.910 |
| 4793.813 | 164.852 | 1.002 | 14.809 |
| 10/19/2016 6:00:00 AM | 547200.000 | 12.052 | 17.694 |
| 27.471 | 6061.377 | 7044.335 | 3.907 |
| 4790.148 | 164.979 | 1.002 | 14.810 |
| 10/19/2016 6:05:00 AM | 547500.000 | 12.051 | 17.694 |
| 27.468 | 6055.616 | 7037.627 | 3.903 |
| 4785.587 | 165.136 | 1.002 | 14.810 |
| 10/19/2016 6:10:00 AM | 547800.000 | 12.051 | 17.695 |
| 27.468 | 6049.969 | 7031.024 | 3.899 |
| 4781.097 | 165.290 | 1.002 | 14.810 |
| 10/19/2016 6:15:00 AM | 548100.000 | 12.052 | 17.694 |
| 27.471 | 6045.655 | 7026.090 | 3.896 |
| 4777.742 | 165.408 | 1.002 | 14.811 |
| 10/19/2016 6:20:00 AM | 548400.000 | 12.049 | 17.695 |
| 27.463 | 6040.658 | 7020.203 | 3.893 |
| 4773.738 | 165.545 | 1.002 | 14.810 |
| 10/19/2016 6:25:00 AM | 548700.000 | 12.052 | 17.695 |
| 27.470 | 6036.554 | 7015.446 | 3.890 |
| 4770.503 | 165.657 | 1.002 | 14.810 |
| 10/19/2016 6:30:00 AM | 549000.000 | 12.054 | 17.694 |
| 27.475 | 6031.375 | 7009.482 | 3.886 |
| 4766.448 | 165.800 | 1.002 | 14.809 |
| 10/19/2016 6:35:00 AM | 549300.000 | 12.049 | 17.694 |
| 27.464 | 6027.108 | 7004.523 | 3.883 |
| 4763.076 | 165.917 | 1.002 | 14.807 |
| 10/19/2016 6:40:00 AM | 549600.000 | 12.057 | 17.694 |
| 27.481 | 6022.289 | 6998.935 | 3.880 |
| 4759.275 | 166.050 | 1.002 | 14.806 |
| 10/19/2016 6:45:00 AM | 549900.000 | 12.060 | 17.694 |
| 27.488 | 6017.823 | 6993.706 | 3.877 |
| 4755.721 | 166.173 | 1.002 | 14.804 |
| 10/19/2016 6:50:00 AM | 550200.000 | 12.056 | 17.694 |
| 27.480 | 6012.738 | 6987.808 | 3.873 |
| 4751.709 | 166.314 | 1.002 | 14.804 |
| 10/19/2016 6:55:00 AM | 550500.000 | 12.057 | 17.694 |
| 27.481 | 6007.893 | 6982.204 | 3.870 |
| 4747.899 | 166.448 | 1.002 | 14.803 |
| 10/19/2016 7:00:00 AM | 550800.000 | 12.062 | 17.694 |
| 27.493 | 6004.162 | 6977.830 | 3.868 |
| 4744.924 | 166.551 | 1.002 | 14.802 |
| 10/19/2016 7:05:00 AM | 551100.000 | 12.059 | 17.694 |
| 27.487 | 6001.171 | 6974.365 | 3.865 |
| 4742.568 | 166.634 | 1.002 | 14.806 |
| 10/19/2016 7:10:00 AM | 551400.000 | 12.052 | 17.695 |
| 27.471 | 5996.514 | 6968.913 | 3.862 |

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|---|---|---|---|
| 4738.861 | 166.764 | 1.002 | 14.809 |
| 10/19/2016 7:15:00 AM | 551700.000 | 12.053 | 17.695 |
| 27.472 | 5992.691 | 6964.417 | 3.860 |
| 4735.804 | 166.870 | 1.002 | 14.813 |
| 10/19/2016 7:20:00 AM | 552000.000 | 12.055 | 17.694 |
| 27.476 | 5988.391 | 6959.540 | 3.857 |
| 4732.487 | 166.990 | 1.002 | 14.812 |
| 10/19/2016 7:25:00 AM | 552300.000 | 12.057 | 17.694 |
| 27.481 | 5985.134 | 6955.754 | 3.854 |
| 4729.913 | 167.081 | 1.002 | 14.811 |
| 10/19/2016 7:30:00 AM | 552600.000 | 12.052 | 17.694 |
| 27.471 | 5980.771 | 6950.632 | 3.851 |
| 4726.430 | 167.203 | 1.002 | 14.810 |
| 10/19/2016 7:35:00 AM | 552900.000 | 12.057 | 17.694 |
| 27.482 | 5976.438 | 6945.595 | 3.848 |
| 4723.005 | 167.324 | 1.002 | 14.810 |
| 10/19/2016 7:40:00 AM | 553200.000 | 12.060 | 17.694 |
| 27.490 | 5972.499 | 6941.110 | 3.846 |
| 4719.956 | 167.434 | 1.002 | 14.809 |
| 10/19/2016 7:45:00 AM | 553500.000 | 12.060 | 17.694 |
| 27.488 | 5968.070 | 6935.952 | 3.843 |
| 4716.448 | 167.558 | 1.002 | 14.809 |
| 10/19/2016 7:50:00 AM | 553800.000 | 12.057 | 17.694 |
| 27.481 | 5964.870 | 6932.166 | 3.840 |
| 4713.874 | 167.648 | 1.002 | 14.810 |
| 10/19/2016 7:55:00 AM | 554100.000 | 12.055 | 17.695 |
| 27.477 | 5960.583 | 6927.156 | 3.837 |
| 4710.466 | 167.769 | 1.002 | 14.811 |
| 10/19/2016 8:00:00 AM | 554400.000 | 12.059 | 17.694 |
| 27.486 | 5957.458 | 6923.659 | 3.835 |
| 4708.088 | 167.857 | 1.002 | 14.812 |
| 10/19/2016 8:05:00 AM | 554700.000 | 12.055 | 17.694 |
| 27.476 | 5954.052 | 6919.645 | 3.833 |
| 4705.359 | 167.953 | 1.002 | 14.813 |
| 10/19/2016 8:10:00 AM | 555000.000 | 12.055 | 17.694 |
| 27.476 | 5950.396 | 6915.356 | 3.831 |
| 4702.443 | 168.056 | 1.002 | 14.814 |
| 10/19/2016 8:15:00 AM | 555300.000 | 12.053 | 17.694 |
| 27.472 | 5946.803 | 6911.276 | 3.828 |
| 4699.668 | 168.158 | 1.002 | 14.815 |
| 10/19/2016 8:20:00 AM | 555600.000 | 12.050 | 17.694 |
| 27.465 | 5942.452 | 6906.179 | 3.825 |
| 4696.202 | 168.281 | 1.002 | 14.815 |
| 10/19/2016 8:25:00 AM | 555900.000 | 12.056 | 17.694 |
| 27.479 | 5940.392 | 6903.730 | 3.824 |
| 4694.537 | 168.339 | 1.002 | 14.816 |
| 10/19/2016 8:30:00 AM | 556200.000 | 12.055 | 17.694 |
| 27.477 | 5936.014 | 6898.681 | 3.821 |
| 4691.104 | 168.463 | 1.002 | 14.816 |
| 10/19/2016 8:35:00 AM | 556500.000 | 12.052 | 17.694 |
| 27.471 | 5933.416 | 6895.597 | 3.819 |
| 4689.006 | 168.537 | 1.002 | 14.816 |
| 10/19/2016 8:40:00 AM | 556800.000 | 12.052 | 17.694 |
| 27.470 | 5931.719 | 6893.625 | 3.818 |
| 4687.666 | 168.585 | 1.002 | 14.816 |
| 10/19/2016 8:45:00 AM | 557100.000 | 12.057 | 17.694 |

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| 27.482 | 5928.503 | 6889.953 | 3.815 |
| 4685.168 | 168.677 | 1.002 | 14.816 |
| 10/19/2016 8:50:00 AM | 557400.000 | 12.053 | 17.694 |
| 27.473 | 5926.553 | 6887.687 | 3.814 |
| 4683.627 | 168.732 | 1.002 | 14.819 |
| 10/19/2016 8:55:00 AM | 557700.000 | 12.051 | 17.694 |
| 27.467 | 5923.501 | 6884.139 | 3.812 |
| 4681.215 | 168.819 | 1.002 | 14.822 |
| 10/19/2016 9:00:00 AM | 558000.000 | 12.048 | 17.694 |
| 27.461 | 5919.938 | 6879.933 | 3.810 |
| 4678.355 | 168.921 | 1.002 | 14.824 |
| 10/19/2016 9:05:00 AM | 558300.000 | 12.050 | 17.694 |
| 27.465 | 5917.946 | 6877.710 | 3.808 |
| 4676.844 | 168.978 | 1.002 | 14.823 |
| 10/19/2016 9:10:00 AM | 558600.000 | 12.049 | 17.694 |
| 27.463 | 5915.425 | 6874.714 | 3.806 |
| 4674.806 | 169.050 | 1.002 | 14.822 |
| 10/19/2016 9:15:00 AM | 558900.000 | 12.052 | 17.694 |
| 27.471 | 5913.303 | 6872.248 | 3.805 |
| 4673.129 | 169.110 | 1.002 | 14.821 |
| 10/19/2016 9:20:00 AM | 559200.000 | 12.049 | 17.694 |
| 27.463 | 5910.719 | 6869.272 | 3.803 |
| 4671.105 | 169.184 | 1.002 | 14.820 |
| 10/19/2016 9:25:00 AM | 559500.000 | 12.051 | 17.695 |
| 27.468 | 5908.786 | 6866.947 | 3.802 |
| 4669.525 | 169.240 | 1.002 | 14.820 |
| 10/19/2016 9:30:00 AM | 559800.000 | 12.053 | 17.694 |
| 27.472 | 5906.914 | 6864.849 | 3.801 |
| 4668.098 | 169.293 | 1.002 | 14.820 |
| 10/19/2016 9:35:00 AM | 560100.000 | 12.048 | 17.694 |
| 27.461 | 5904.515 | 6862.023 | 3.799 |
| 4666.176 | 169.362 | 1.002 | 14.822 |
| 10/19/2016 9:40:00 AM | 560400.000 | 12.051 | 17.694 |
| 27.468 | 5903.535 | 6860.976 | 3.798 |
| 4665.464 | 169.390 | 1.002 | 14.823 |
| 10/19/2016 9:45:00 AM | 560700.000 | 12.045 | 17.694 |
| 27.454 | 5901.396 | 6858.449 | 3.797 |
| 4663.746 | 169.451 | 1.002 | 14.825 |
| 10/19/2016 9:50:00 AM | 561000.000 | 12.052 | 17.694 |
| 27.469 | 5899.945 | 6856.750 | 3.796 |
| 4662.590 | 169.493 | 1.002 | 14.823 |
| 10/19/2016 9:55:00 AM | 561300.000 | 12.044 | 17.694 |
| 27.452 | 5898.252 | 6854.771 | 3.795 |
| 4661.245 | 169.542 | 1.002 | 14.822 |
| 10/19/2016 10:00:00 AM | 561600.000 | 12.046 | 17.694 |
| 27.458 | 5895.909 | 6852.047 | 3.793 |
| 4659.393 | 169.609 | 1.002 | 14.821 |
| 10/19/2016 10:05:00 AM | 561900.000 | 12.053 | 17.694 |
| 27.473 | 5894.776 | 6850.811 | 3.792 |
| 4658.552 | 169.642 | 1.002 | 14.819 |
| 10/19/2016 10:10:00 AM | 562200.000 | 12.056 | 17.694 |
| 27.479 | 5892.081 | 6847.704 | 3.790 |
| 4656.439 | 169.719 | 1.002 | 14.817 |
| 10/19/2016 10:15:00 AM | 562500.000 | 12.051 | 17.694 |
| 27.469 | 5891.963 | 6847.513 | 3.790 |
| 4656.309 | 169.723 | 1.002 | 14.815 |

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|---|---|---|---|
| 10/19/2016 10:20:00 AM | 562800.000 | 12.050 | 17.694 |
| 27.465 | 5890.218 | 6845.446 | 3.789 |
| 4654.903 | 169.773 | 1.002 | 14.816 |
| 10/19/2016 10:25:00 AM | 563100.000 | 12.049 | 17.694 |
| 27.462 | 5889.204 | 6844.255 | 3.788 |
| 4654.093 | 169.802 | 1.002 | 14.818 |
| 10/19/2016 10:30:00 AM | 563400.000 | 12.045 | 17.694 |
| 27.454 | 5887.181 | 6841.916 | 3.787 |
| 4652.503 | 169.861 | 1.002 | 14.820 |
| 10/19/2016 10:35:00 AM | 563700.000 | 12.050 | 17.694 |
| 27.467 | 5886.533 | 6841.151 | 3.787 |
| 4651.983 | 169.879 | 1.002 | 14.818 |
| 10/19/2016 10:40:00 AM | 564000.000 | 12.046 | 17.694 |
| 27.457 | 5885.115 | 6839.502 | 3.786 |
| 4650.862 | 169.920 | 1.002 | 14.817 |
| 10/19/2016 10:45:00 AM | 564300.000 | 12.047 | 17.694 |
| 27.459 | 5883.177 | 6837.250 | 3.784 |
| 4649.330 | 169.976 | 1.002 | 14.816 |
| 10/19/2016 10:50:00 AM | 564600.000 | 12.048 | 17.694 |
| 27.461 | 5882.619 | 6836.614 | 3.784 |
| 4648.898 | 169.992 | 1.002 | 14.816 |
| 10/19/2016 10:55:00 AM | 564900.000 | 12.052 | 17.694 |
| 27.469 | 5881.955 | 6835.896 | 3.783 |
| 4648.409 | 170.012 | 1.002 | 14.816 |
| 10/19/2016 11:00:00 AM | 565200.000 | 12.051 | 17.694 |
| 27.468 | 5880.098 | 6833.671 | 3.782 |
| 4646.897 | 170.065 | 1.002 | 14.816 |
| 10/19/2016 11:05:00 AM | 565500.000 | 12.050 | 17.694 |
| 27.465 | 5879.939 | 6833.513 | 3.782 |
| 4646.789 | 170.070 | 1.002 | 14.816 |
| 10/19/2016 11:10:00 AM | 565800.000 | 12.045 | 17.694 |
| 27.455 | 5879.495 | 6832.971 | 3.782 |
| 4646.420 | 170.083 | 1.002 | 14.816 |
| 10/19/2016 11:15:00 AM | 566100.000 | 12.045 | 17.694 |
| 27.455 | 5878.503 | 6831.831 | 3.781 |
| 4645.645 | 170.111 | 1.002 | 14.815 |
| 10/19/2016 11:20:00 AM | 566400.000 | 12.044 | 17.695 |
| 27.452 | 5877.895 | 6831.046 | 3.781 |
| 4645.112 | 170.129 | 1.002 | 14.815 |
| 10/19/2016 11:25:00 AM | 566700.000 | 12.049 | 17.694 |
| 27.463 | 5877.653 | 6830.843 | 3.781 |
| 4644.974 | 170.136 | 1.002 | 14.814 |
| 10/19/2016 11:30:00 AM | 567000.000 | 12.045 | 17.694 |
| 27.454 | 5877.821 | 6831.038 | 3.781 |
| 4645.106 | 170.131 | 1.002 | 14.813 |
| 10/19/2016 11:35:00 AM | 567300.000 | 12.049 | 17.694 |
| 27.463 | 5877.110 | 6830.241 | 3.780 |
| 4644.564 | 170.152 | 1.002 | 14.813 |
| 10/19/2016 11:40:00 AM | 567600.000 | 12.043 | 17.694 |
| 27.449 | 5876.696 | 6829.719 | 3.780 |
| 4644.209 | 170.164 | 1.002 | 14.812 |
| 10/19/2016 11:45:00 AM | 567900.000 | 12.043 | 17.695 |
| 27.449 | 5875.958 | 6828.807 | 3.779 |
| 4643.589 | 170.185 | 1.002 | 14.812 |
| 10/19/2016 11:50:00 AM | 568200.000 | 12.042 | 17.694 |
| 27.447 | 5875.296 | 6828.104 | 3.779 |

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| 4643.112 | 170.204 | 1.002 | 14.810 |
| 10/19/2016 11:55:00 AM | 568500.000 | 12.051 | 17.694 |
| 27.468 | 5874.705 | 6827.417 | 3.778 |
| 4642.644 | 170.221 | 1.002 | 14.808 |
| 10/19/2016 12:00:00 PM | 568800.000 | 12.045 | 17.694 |
| 27.453 | 5874.464 | 6827.138 | 3.778 |
| 4642.454 | 170.228 | 1.002 | 14.806 |
| 10/19/2016 12:05:00 PM | 569100.000 | 12.051 | 17.694 |
| 27.468 | 5873.147 | 6825.620 | 3.777 |
| 4641.422 | 170.266 | 1.002 | 14.804 |
| 10/19/2016 12:10:00 PM | 569400.000 | 12.052 | 17.694 |
| 27.470 | 5873.610 | 6826.157 | 3.778 |
| 4641.788 | 170.253 | 1.002 | 14.802 |
| 10/19/2016 12:15:00 PM | 569700.000 | 12.050 | 17.694 |
| 27.465 | 5872.254 | 6824.517 | 3.777 |
| 4640.672 | 170.292 | 1.002 | 14.800 |
| 10/19/2016 12:20:00 PM | 570000.000 | 12.046 | 17.694 |
| 27.458 | 5872.423 | 6824.805 | 3.777 |
| 4640.867 | 170.287 | 1.002 | 14.800 |
| 10/19/2016 12:25:00 PM | 570300.000 | 12.052 | 17.694 |
| 27.470 | 5871.637 | 6823.865 | 3.776 |
| 4640.229 | 170.310 | 1.002 | 14.800 |
| 10/19/2016 12:30:00 PM | 570600.000 | 12.050 | 17.694 |
| 27.466 | 5871.625 | 6823.877 | 3.776 |
| 4640.237 | 170.311 | 1.002 | 14.800 |
| 10/19/2016 12:35:00 PM | 570900.000 | 12.043 | 17.694 |
| 27.450 | 5870.961 | 6823.066 | 3.776 |
| 4639.685 | 170.330 | 1.002 | 14.800 |
| 10/19/2016 12:40:00 PM | 571200.000 | 12.043 | 17.694 |
| 27.450 | 5870.544 | 6822.581 | 3.776 |
| 4639.355 | 170.342 | 1.002 | 14.801 |
| 10/19/2016 12:45:00 PM | 571500.000 | 12.047 | 17.694 |
| 27.459 | 5869.815 | 6821.722 | 3.775 |
| 4638.771 | 170.363 | 1.002 | 14.801 |
| 10/19/2016 12:50:00 PM | 571800.000 | 12.043 | 17.694 |
| 27.451 | 5869.984 | 6821.958 | 3.775 |
| 4638.932 | 170.358 | 1.002 | 14.799 |
| 10/19/2016 12:55:00 PM | 572100.000 | 12.044 | 17.694 |
| 27.453 | 5869.098 | 6820.901 | 3.775 |
| 4638.213 | 170.384 | 1.002 | 14.796 |
| 10/19/2016 1:00:00 PM | 572400.000 | 12.047 | 17.694 |
| 27.459 | 5869.475 | 6821.366 | 3.775 |
| 4638.529 | 170.373 | 1.002 | 14.794 |
| 10/19/2016 1:05:00 PM | 572700.000 | 12.049 | 17.694 |
| 27.464 | 5869.675 | 6821.559 | 3.775 |
| 4638.661 | 170.367 | 1.002 | 14.795 |
| 10/19/2016 1:10:00 PM | 573000.000 | 12.051 | 17.694 |
| 27.468 | 5869.078 | 6820.878 | 3.775 |
| 4638.197 | 170.385 | 1.002 | 14.795 |
| 10/19/2016 1:15:00 PM | 573300.000 | 12.047 | 17.694 |
| 27.460 | 5869.078 | 6820.917 | 3.775 |
| 4638.224 | 170.385 | 1.002 | 14.796 |
| 10/19/2016 1:20:00 PM | 573600.000 | 12.048 | 17.694 |
| 27.461 | 5868.574 | 6820.279 | 3.774 |
| 4637.790 | 170.399 | 1.002 | 14.794 |
| 10/19/2016 1:25:00 PM | 573900.000 | 12.050 | 17.694 |

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|---|---|---|---|
| 27.466 | 5868.322 | 6820.052 | 3.774 |
| 4637.636 | 170.406 | 1.002 | 14.793 |
| 10/19/2016 1:30:00 PM | 574200.000 | 12.051 | 17.694 |
| 27.467 | 5868.610 | 6820.401 | 3.774 |
| 4637.873 | 170.398 | 1.002 | 14.792 |
| 10/19/2016 1:35:00 PM | 574500.000 | 12.045 | 17.694 |
| 27.455 | 5869.065 | 6820.891 | 3.775 |
| 4638.207 | 170.385 | 1.002 | 14.793 |
| 10/19/2016 1:40:00 PM | 574800.000 | 12.043 | 17.694 |
| 27.449 | 5868.554 | 6820.296 | 3.774 |
| 4637.802 | 170.400 | 1.002 | 14.794 |
| 10/19/2016 1:45:00 PM | 575100.000 | 12.045 | 17.694 |
| 27.455 | 5868.723 | 6820.532 | 3.774 |
| 4637.962 | 170.395 | 1.002 | 14.796 |
| 10/19/2016 1:50:00 PM | 575400.000 | 12.046 | 17.693 |
| 27.457 | 5868.859 | 6820.744 | 3.775 |
| 4638.106 | 170.391 | 1.002 | 14.795 |
| 10/19/2016 1:55:00 PM | 575700.000 | 12.046 | 17.694 |
| 27.456 | 5868.449 | 6820.094 | 3.774 |
| 4637.665 | 170.403 | 1.002 | 14.794 |
| 10/19/2016 2:00:00 PM | 576000.000 | 12.047 | 17.694 |
| 27.459 | 5868.562 | 6820.226 | 3.774 |
| 4637.753 | 170.400 | 1.002 | 14.793 |
| 10/19/2016 2:05:00 PM | 576300.000 | 12.040 | 17.694 |
| 27.443 | 5868.237 | 6819.954 | 3.774 |
| 4637.568 | 170.409 | 1.002 | 14.794 |
| 10/19/2016 2:10:00 PM | 576600.000 | 12.043 | 17.694 |
| 27.451 | 5869.423 | 6821.266 | 3.775 |
| 4638.461 | 170.374 | 1.002 | 14.794 |
| 10/19/2016 2:15:00 PM | 576900.000 | 12.037 | 17.694 |
| 27.435 | 5868.698 | 6820.436 | 3.774 |
| 4637.896 | 170.396 | 1.002 | 14.794 |
| 10/19/2016 2:20:00 PM | 577200.000 | 12.037 | 17.694 |
| 27.437 | 5869.470 | 6821.400 | 3.775 |
| 4638.552 | 170.373 | 1.002 | 14.791 |
| 10/19/2016 2:25:00 PM | 577500.000 | 12.041 | 17.694 |
| 27.446 | 5868.655 | 6820.414 | 3.774 |
| 4637.882 | 170.397 | 1.002 | 14.789 |
| 10/19/2016 2:30:00 PM | 577800.000 | 12.043 | 17.694 |
| 27.450 | 5868.527 | 6820.276 | 3.774 |
| 4637.788 | 170.401 | 1.002 | 14.786 |
| 10/19/2016 2:35:00 PM | 578100.000 | 12.048 | 17.694 |
| 27.461 | 5869.008 | 6820.783 | 3.775 |
| 4638.133 | 170.387 | 1.002 | 14.785 |
| 10/19/2016 2:40:00 PM | 578400.000 | 12.046 | 17.694 |
| 27.456 | 5868.229 | 6819.969 | 3.774 |
| 4637.580 | 170.409 | 1.002 | 14.783 |
| 10/19/2016 2:45:00 PM | 578700.000 | 12.051 | 17.694 |
| 27.468 | 5868.743 | 6820.451 | 3.774 |
| 4637.907 | 170.394 | 1.002 | 14.782 |
| 10/19/2016 2:50:00 PM | 579000.000 | 12.045 | 17.694 |
| 27.454 | 5869.205 | 6821.053 | 3.775 |
| 4638.316 | 170.381 | 1.002 | 14.783 |
| 10/19/2016 2:55:00 PM | 579300.000 | 12.042 | 17.694 |
| 27.448 | 5869.287 | 6821.108 | 3.775 |
| 4638.354 | 170.378 | 1.002 | 14.785 |

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|---|---|---|---|
| 10/19/2016 3:00:00 PM | 579600.000 | 12.040 | 17.694 |
| 27.443 | 5869.074 | 6820.860 | 3.775 |
| 4638.186 | 170.385 | 1.002 | 14.786 |
| 10/19/2016 3:05:00 PM | 579900.000 | 12.044 | 17.694 |
| 27.451 | 5868.423 | 6820.116 | 3.774 |
| 4637.680 | 170.404 | 1.002 | 14.787 |
| 10/19/2016 3:10:00 PM | 580200.000 | 12.045 | 17.694 |
| 27.453 | 5869.280 | 6821.125 | 3.775 |
| 4638.365 | 170.379 | 1.002 | 14.787 |
| 10/19/2016 3:15:00 PM | 580500.000 | 12.043 | 17.694 |
| 27.450 | 5870.235 | 6822.235 | 3.775 |
| 4639.120 | 170.351 | 1.002 | 14.787 |
| 10/19/2016 3:20:00 PM | 580800.000 | 12.038 | 17.694 |
| 27.437 | 5871.503 | 6823.724 | 3.776 |
| 4640.132 | 170.314 | 1.002 | 14.786 |
| 10/19/2016 3:25:00 PM | 581100.000 | 12.043 | 17.694 |
| 27.450 | 5869.885 | 6821.855 | 3.775 |
| 4638.862 | 170.361 | 1.002 | 14.784 |
| 10/19/2016 3:30:00 PM | 581400.000 | 12.045 | 17.694 |
| 27.455 | 5870.688 | 6822.828 | 3.776 |
| 4639.523 | 170.338 | 1.002 | 14.783 |
| 10/19/2016 3:35:00 PM | 581700.000 | 12.045 | 17.694 |
| 27.455 | 5870.202 | 6822.276 | 3.775 |
| 4639.148 | 170.352 | 1.002 | 14.782 |
| 10/19/2016 3:40:00 PM | 582000.000 | 12.041 | 17.694 |
| 27.444 | 5871.643 | 6823.897 | 3.776 |
| 4640.250 | 170.310 | 1.002 | 14.781 |
| 10/19/2016 3:45:00 PM | 582300.000 | 12.047 | 17.694 |
| 27.459 | 5871.145 | 6823.372 | 3.776 |
| 4639.893 | 170.325 | 1.002 | 14.781 |
| 10/19/2016 3:50:00 PM | 582600.000 | 12.046 | 17.694 |
| 27.457 | 5871.010 | 6823.136 | 3.776 |
| 4639.733 | 170.328 | 1.002 | 14.780 |
| 10/19/2016 3:55:00 PM | 582900.000 | 12.046 | 17.694 |
| 27.457 | 5871.948 | 6824.266 | 3.777 |
| 4640.501 | 170.301 | 1.002 | 14.779 |
| 10/19/2016 4:00:00 PM | 583200.000 | 12.043 | 17.694 |
| 27.450 | 5871.829 | 6824.153 | 3.777 |
| 4640.424 | 170.305 | 1.002 | 14.778 |
| 10/19/2016 4:05:00 PM | 583500.000 | 12.047 | 17.694 |
| 27.458 | 5871.443 | 6823.719 | 3.776 |
| 4640.129 | 170.316 | 1.002 | 14.779 |
| 10/19/2016 4:10:00 PM | 583800.000 | 12.045 | 17.694 |
| 27.453 | 5871.551 | 6823.804 | 3.776 |
| 4640.188 | 170.313 | 1.002 | 14.780 |
| 10/19/2016 4:15:00 PM | 584100.000 | 12.042 | 17.694 |
| 27.447 | 5871.986 | 6824.310 | 3.777 |
| 4640.531 | 170.300 | 1.002 | 14.782 |
| 10/19/2016 4:20:00 PM | 584400.000 | 12.041 | 17.695 |
| 27.445 | 5872.257 | 6824.506 | 3.777 |
| 4640.665 | 170.292 | 1.002 | 14.782 |
| 10/19/2016 4:25:00 PM | 584700.000 | 12.035 | 17.694 |
| 27.432 | 5873.186 | 6825.665 | 3.777 |
| 4641.452 | 170.265 | 1.002 | 14.783 |
| 10/19/2016 4:30:00 PM | 585000.000 | 12.039 | 17.694 |
| 27.441 | 5872.751 | 6825.186 | 3.777 |

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|---|---|---|---|
| 4641.126 | 170.278 | 1.002 | 14.783 |
| 10/19/2016 4:35:00 PM | 585300.000 | 12.042 | 17.694 |
| 27.446 | 5873.017 | 6825.495 | 3.777 |
| 4641.336 | 170.270 | 1.002 | 14.783 |
| 10/19/2016 4:40:00 PM | 585600.000 | 12.042 | 17.694 |
| 27.446 | 5872.821 | 6825.306 | 3.777 |
| 4641.208 | 170.276 | 1.002 | 14.782 |
| 10/19/2016 4:45:00 PM | 585900.000 | 12.037 | 17.694 |
| 27.436 | 5872.570 | 6825.015 | 3.777 |
| 4641.010 | 170.283 | 1.002 | 14.782 |
| 10/19/2016 4:50:00 PM | 586200.000 | 12.037 | 17.694 |
| 27.437 | 5875.309 | 6828.211 | 3.779 |
| 4643.184 | 170.204 | 1.002 | 14.781 |
| 10/19/2016 4:55:00 PM | 586500.000 | 12.037 | 17.694 |
| 27.437 | 5874.380 | 6827.039 | 3.778 |
| 4642.387 | 170.231 | 1.002 | 14.780 |
| 10/19/2016 5:00:00 PM | 586800.000 | 12.043 | 17.694 |
| 27.450 | 5874.878 | 6827.592 | 3.779 |
| 4642.763 | 170.216 | 1.002 | 14.780 |
| 10/19/2016 5:05:00 PM | 587100.000 | 12.042 | 17.693 |
| 27.447 | 5874.373 | 6827.177 | 3.778 |
| 4642.481 | 170.231 | 1.002 | 14.779 |
| 10/19/2016 5:10:00 PM | 587400.000 | 12.041 | 17.694 |
| 27.444 | 5875.783 | 6828.698 | 3.779 |
| 4643.515 | 170.190 | 1.002 | 14.779 |
| 10/19/2016 5:15:00 PM | 587700.000 | 12.041 | 17.694 |
| 27.446 | 5874.729 | 6827.407 | 3.778 |
| 4642.637 | 170.221 | 1.002 | 14.778 |
| 10/19/2016 5:20:00 PM | 588000.000 | 12.042 | 17.694 |
| 27.447 | 5875.683 | 6828.621 | 3.779 |
| 4643.463 | 170.193 | 1.002 | 14.778 |
| 10/19/2016 5:25:00 PM | 588300.000 | 12.036 | 17.694 |
| 27.435 | 5876.227 | 6829.238 | 3.780 |
| 4643.883 | 170.177 | 1.002 | 14.777 |
| 10/19/2016 5:30:00 PM | 588600.000 | 12.040 | 17.694 |
| 27.444 | 5877.227 | 6830.401 | 3.780 |
| 4644.673 | 170.148 | 1.002 | 14.777 |
| 10/19/2016 5:35:00 PM | 588900.000 | 12.036 | 17.694 |
| 27.433 | 5877.289 | 6830.448 | 3.780 |
| 4644.705 | 170.146 | 1.002 | 14.777 |
| 10/19/2016 5:40:00 PM | 589200.000 | 12.041 | 17.694 |
| 27.444 | 5878.303 | 6831.652 | 3.781 |
| 4645.523 | 170.117 | 1.002 | 14.778 |
| 10/19/2016 5:45:00 PM | 589500.000 | 12.040 | 17.694 |
| 27.442 | 5877.176 | 6830.356 | 3.780 |
| 4644.643 | 170.150 | 1.002 | 14.778 |
| 10/19/2016 5:50:00 PM | 589800.000 | 12.041 | 17.694 |
| 27.445 | 5877.314 | 6830.488 | 3.780 |
| 4644.732 | 170.146 | 1.002 | 14.778 |
| 10/19/2016 5:55:00 PM | 590100.000 | 12.034 | 17.694 |
| 27.430 | 5878.183 | 6831.499 | 3.781 |
| 4645.419 | 170.121 | 1.002 | 14.779 |
| 10/19/2016 6:00:00 PM | 590400.000 | 12.039 | 17.694 |
| 27.440 | 5878.353 | 6831.695 | 3.781 |
| 4645.553 | 170.116 | 1.002 | 14.779 |
| 10/19/2016 6:05:00 PM | 590700.000 | 12.033 | 17.694 |

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|---|---|---|---|
| 27.427 | 5879.147 | 6832.632 | 3.782 |
| 4646.190 | 170.093 | 1.002 | 14.779 |
| 10/19/2016 6:10:00 PM | 591000.000 | 12.034 | 17.694 |
| 27.429 | 5878.777 | 6832.178 | 3.781 |
| 4645.881 | 170.103 | 1.002 | 14.779 |
| 10/19/2016 6:15:00 PM | 591300.000 | 12.041 | 17.694 |
| 27.444 | 5878.958 | 6832.453 | 3.781 |
| 4646.068 | 170.098 | 1.002 | 14.778 |
| 10/19/2016 6:20:00 PM | 591600.000 | 12.038 | 17.694 |
| 27.438 | 5880.212 | 6833.856 | 3.782 |
| 4647.023 | 170.062 | 1.002 | 14.777 |
| 10/19/2016 6:25:00 PM | 591900.000 | 12.038 | 17.694 |
| 27.438 | 5880.389 | 6834.115 | 3.782 |
| 4647.199 | 170.057 | 1.002 | 14.776 |
| 10/19/2016 6:30:00 PM | 592200.000 | 12.039 | 17.694 |
| 27.440 | 5880.541 | 6834.186 | 3.782 |
| 4647.247 | 170.052 | 1.002 | 14.774 |
| 10/19/2016 6:35:00 PM | 592500.000 | 12.037 | 17.694 |
| 27.435 | 5881.035 | 6834.827 | 3.783 |
| 4647.682 | 170.038 | 1.002 | 14.776 |
| 10/19/2016 6:40:00 PM | 592800.000 | 12.038 | 17.694 |
| 27.439 | 5880.797 | 6834.510 | 3.783 |
| 4647.467 | 170.045 | 1.002 | 14.777 |
| 10/19/2016 6:45:00 PM | 593100.000 | 12.031 | 17.694 |
| 27.423 | 5881.349 | 6835.178 | 3.783 |
| 4647.921 | 170.029 | 1.002 | 14.779 |
| 10/19/2016 6:50:00 PM | 593400.000 | 12.037 | 17.693 |
| 27.436 | 5881.553 | 6835.481 | 3.783 |
| 4648.127 | 170.023 | 1.002 | 14.778 |
| 10/19/2016 6:55:00 PM | 593700.000 | 12.038 | 17.694 |
| 27.438 | 5882.762 | 6836.809 | 3.784 |
| 4649.031 | 169.988 | 1.002 | 14.777 |
| 10/19/2016 7:00:00 PM | 594000.000 | 12.040 | 17.694 |
| 27.443 | 5882.878 | 6836.995 | 3.784 |
| 4649.157 | 169.985 | 1.002 | 14.776 |
| 10/19/2016 7:05:00 PM | 594300.000 | 12.040 | 17.694 |
| 27.444 | 5883.771 | 6837.927 | 3.785 |
| 4649.791 | 169.959 | 1.002 | 14.776 |
| 10/19/2016 7:10:00 PM | 594600.000 | 12.041 | 17.694 |
| 27.446 | 5883.932 | 6838.168 | 3.785 |
| 4649.955 | 169.954 | 1.002 | 14.775 |
| 10/19/2016 7:15:00 PM | 594900.000 | 12.037 | 17.694 |
| 27.436 | 5884.023 | 6838.208 | 3.785 |
| 4649.982 | 169.952 | 1.002 | 14.775 |
| 10/19/2016 7:20:00 PM | 595200.000 | 12.041 | 17.694 |
| 27.446 | 5884.372 | 6838.705 | 3.785 |
| 4650.319 | 169.942 | 1.002 | 14.778 |
| 10/19/2016 7:25:00 PM | 595500.000 | 12.039 | 17.694 |
| 27.442 | 5884.585 | 6838.967 | 3.785 |
| 4650.498 | 169.936 | 1.002 | 14.780 |
| 10/19/2016 7:30:00 PM | 595800.000 | 12.038 | 17.694 |
| 27.439 | 5885.499 | 6839.961 | 3.786 |
| 4651.174 | 169.909 | 1.002 | 14.782 |
| 10/19/2016 7:35:00 PM | 596100.000 | 12.039 | 17.694 |
| 27.440 | 5885.627 | 6840.124 | 3.786 |
| 4651.284 | 169.905 | 1.002 | 14.782 |

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|---|---|---|---|
| 10/19/2016 7:40:00 PM | 596400.000 | 12.033 | 17.694 |
| 27.426 | 5887.140 | 6841.882 | 3.787 |
| 4652.479 | 169.862 | 1.002 | 14.782 |
| 10/19/2016 7:45:00 PM | 596700.000 | 12.038 | 17.694 |
| 27.437 | 5887.181 | 6841.970 | 3.787 |
| 4652.540 | 169.861 | 1.002 | 14.782 |
| 10/19/2016 7:50:00 PM | 597000.000 | 12.033 | 17.694 |
| 27.428 | 5887.940 | 6842.852 | 3.788 |
| 4653.140 | 169.839 | 1.002 | 14.782 |
| 10/19/2016 7:55:00 PM | 597300.000 | 12.037 | 17.694 |
| 27.437 | 5888.156 | 6843.117 | 3.788 |
| 4653.320 | 169.832 | 1.002 | 14.782 |
| 10/19/2016 8:00:00 PM | 597600.000 | 12.039 | 17.694 |
| 27.440 | 5888.395 | 6843.405 | 3.788 |
| 4653.516 | 169.826 | 1.002 | 14.783 |
| 10/19/2016 8:05:00 PM | 597900.000 | 12.038 | 17.694 |
| 27.438 | 5888.750 | 6843.780 | 3.788 |
| 4653.771 | 169.815 | 1.002 | 14.784 |
| 10/19/2016 8:10:00 PM | 598200.000 | 12.032 | 17.694 |
| 27.424 | 5889.992 | 6845.211 | 3.789 |
| 4654.744 | 169.780 | 1.002 | 14.785 |
| 10/19/2016 8:15:00 PM | 598500.000 | 12.034 | 17.694 |
| 27.429 | 5890.366 | 6845.686 | 3.789 |
| 4655.066 | 169.769 | 1.002 | 14.787 |
| 10/19/2016 8:20:00 PM | 598800.000 | 12.035 | 17.694 |
| 27.431 | 5890.136 | 6845.429 | 3.789 |
| 4654.893 | 169.775 | 1.002 | 14.786 |
| 10/19/2016 8:25:00 PM | 599100.000 | 12.036 | 17.694 |
| 27.434 | 5890.811 | 6846.174 | 3.790 |
| 4655.399 | 169.756 | 1.002 | 14.786 |
| 10/19/2016 8:30:00 PM | 599400.000 | 12.032 | 17.694 |
| 27.425 | 5891.856 | 6847.378 | 3.790 |
| 4656.218 | 169.726 | 1.002 | 14.785 |
| 10/19/2016 8:35:00 PM | 599700.000 | 12.038 | 17.694 |
| 27.439 | 5892.079 | 6847.701 | 3.790 |
| 4656.438 | 169.719 | 1.002 | 14.784 |
| 10/19/2016 8:40:00 PM | 600000.000 | 12.036 | 17.694 |
| 27.433 | 5892.142 | 6847.721 | 3.790 |
| 4656.451 | 169.718 | 1.002 | 14.782 |
| 10/19/2016 8:45:00 PM | 600300.000 | 12.041 | 17.694 |
| 27.444 | 5892.159 | 6847.664 | 3.790 |
| 4656.411 | 169.717 | 1.002 | 14.781 |
| 10/19/2016 8:50:00 PM | 600600.000 | 12.036 | 17.694 |
| 27.435 | 5892.501 | 6848.167 | 3.791 |
| 4656.753 | 169.707 | 1.002 | 14.782 |
| 10/19/2016 8:55:00 PM | 600900.000 | 12.033 | 17.694 |
| 27.427 | 5893.395 | 6849.217 | 3.791 |
| 4657.467 | 169.681 | 1.002 | 14.784 |
| 10/19/2016 9:00:00 PM | 601200.000 | 12.032 | 17.694 |
| 27.424 | 5893.064 | 6848.821 | 3.791 |
| 4657.198 | 169.691 | 1.002 | 14.786 |
| 10/19/2016 9:05:00 PM | 601500.000 | 12.037 | 17.694 |
| 27.436 | 5893.704 | 6849.590 | 3.792 |
| 4657.722 | 169.673 | 1.002 | 14.786 |
| 10/19/2016 9:10:00 PM | 601800.000 | 12.031 | 17.694 |
| 27.423 | 5894.266 | 6850.098 | 3.792 |

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|---|---|---|---|
| 4658.067 | 169.656 | 1.002 | 14.786 |
| 10/19/2016 9:15:00 PM | 602100.000 | 12.038 | 17.694 |
| 27.439 | 5895.909 | 6852.127 | 3.793 |
| 4659.447 | 169.609 | 1.002 | 14.787 |
| 10/19/2016 9:20:00 PM | 602400.000 | 12.037 | 17.694 |
| 27.436 | 5899.889 | 6856.778 | 3.796 |
| 4662.609 | 169.495 | 1.002 | 14.789 |
| 10/19/2016 9:25:00 PM | 602700.000 | 12.036 | 17.694 |
| 27.434 | 5912.030 | 6870.824 | 3.804 |
| 4672.160 | 169.147 | 1.002 | 14.791 |
| 10/19/2016 9:30:00 PM | 603000.000 | 12.033 | 17.694 |
| 27.427 | 5928.530 | 6890.011 | 3.816 |
| 4685.208 | 168.676 | 1.002 | 14.792 |
| 10/19/2016 9:35:00 PM | 603300.000 | 12.030 | 17.693 |
| 27.419 | 5942.657 | 6906.524 | 3.825 |
| 4696.437 | 168.275 | 1.002 | 14.792 |
| 10/19/2016 9:40:00 PM | 603600.000 | 12.035 | 17.693 |
| 27.432 | 5957.438 | 6923.701 | 3.835 |
| 4708.117 | 167.857 | 1.002 | 14.792 |
| 10/19/2016 9:45:00 PM | 603900.000 | 12.037 | 17.694 |
| 27.436 | 5970.998 | 6939.394 | 3.845 |
| 4718.788 | 167.476 | 1.002 | 14.792 |
| 10/19/2016 9:50:00 PM | 604200.000 | 12.036 | 17.693 |
| 27.434 | 5981.485 | 6951.622 | 3.852 |
| 4727.103 | 167.183 | 1.002 | 14.792 |
| 10/19/2016 9:55:00 PM | 604500.000 | 12.037 | 17.693 |
| 27.437 | 5992.115 | 6964.003 | 3.859 |
| 4735.522 | 166.886 | 1.002 | 14.791 |
| 10/19/2016 10:00:00 PM | 604800.000 | 12.039 | 17.693 |
| 27.440 | 6002.345 | 6975.906 | 3.866 |
| 4743.617 | 166.602 | 1.002 | 14.790 |
| 10/19/2016 10:05:00 PM | 605100.000 | 12.039 | 17.694 |
| 27.440 | 6011.126 | 6986.042 | 3.872 |
| 4750.509 | 166.358 | 1.002 | 14.791 |
| 10/19/2016 10:10:00 PM | 605400.000 | 12.038 | 17.693 |
| 27.438 | 6020.089 | 6996.486 | 3.879 |
| 4757.611 | 166.111 | 1.002 | 14.792 |
| 10/19/2016 10:15:00 PM | 605700.000 | 12.037 | 17.693 |
| 27.436 | 6027.791 | 7005.548 | 3.884 |
| 4763.772 | 165.898 | 1.002 | 14.794 |
| 10/19/2016 10:20:00 PM | 606000.000 | 12.038 | 17.693 |
| 27.439 | 6034.479 | 7013.238 | 3.888 |
| 4769.002 | 165.714 | 1.002 | 14.792 |
| 10/19/2016 10:25:00 PM | 606300.000 | 12.036 | 17.693 |
| 27.434 | 6042.017 | 7021.999 | 3.894 |
| 4774.959 | 165.508 | 1.002 | 14.791 |
| 10/19/2016 10:30:00 PM | 606600.000 | 12.041 | 17.693 |
| 27.444 | 6048.678 | 7029.753 | 3.898 |
| 4780.232 | 165.325 | 1.002 | 14.790 |
| 10/19/2016 10:35:00 PM | 606900.000 | 12.037 | 17.693 |
| 27.436 | 6054.831 | 7036.878 | 3.903 |
| 4785.078 | 165.157 | 1.002 | 14.789 |
| 10/19/2016 10:40:00 PM | 607200.000 | 12.043 | 17.693 |
| 27.450 | 6060.472 | 7043.461 | 3.906 |
| 4789.554 | 165.004 | 1.002 | 14.787 |
| 10/19/2016 10:45:00 PM | 607500.000 | 12.042 | 17.694 |

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|---|---|---|---|
| 27.448 | 6065.573 | 7049.319 | 3.910 |
| 4793.537 | 164.865 | 1.002 | 14.786 |
| 10/19/2016 10:50:00 PM | 607800.000 | 12.044 | 17.693 |
| 27.452 | 6070.529 | 7055.164 | 3.913 |
| 4797.512 | 164.730 | 1.002 | 14.789 |
| 10/19/2016 10:55:00 PM | 608100.000 | 12.037 | 17.693 |
| 27.437 | 6076.297 | 7061.826 | 3.917 |
| 4802.042 | 164.574 | 1.002 | 14.791 |
| 10/19/2016 11:00:00 PM | 608400.000 | 12.033 | 17.693 |
| 27.427 | 6080.696 | 7066.952 | 3.920 |
| 4805.528 | 164.455 | 1.002 | 14.794 |
| 10/19/2016 11:05:00 PM | 608700.000 | 12.038 | 17.693 |
| 27.438 | 6085.895 | 7073.007 | 3.924 |
| 4809.645 | 164.314 | 1.002 | 14.794 |
| 10/19/2016 11:10:00 PM | 609000.000 | 12.040 | 17.693 |
| 27.442 | 6090.130 | 7077.930 | 3.927 |
| 4812.993 | 164.200 | 1.002 | 14.793 |
| 10/19/2016 11:15:00 PM | 609300.000 | 12.040 | 17.693 |
| 27.442 | 6094.606 | 7083.146 | 3.930 |
| 4816.540 | 164.079 | 1.002 | 14.793 |
| 10/19/2016 11:20:00 PM | 609600.000 | 12.040 | 17.693 |
| 27.442 | 6098.836 | 7088.021 | 3.933 |
| 4819.854 | 163.966 | 1.002 | 14.792 |
| 10/19/2016 11:25:00 PM | 609900.000 | 12.041 | 17.693 |
| 27.446 | 6102.757 | 7092.660 | 3.936 |
| 4823.009 | 163.860 | 1.002 | 14.792 |
| 10/19/2016 11:30:00 PM | 610200.000 | 12.039 | 17.693 |
| 27.440 | 6106.465 | 7096.887 | 3.938 |
| 4825.883 | 163.761 | 1.002 | 14.792 |
| 10/19/2016 11:35:00 PM | 610500.000 | 12.046 | 17.693 |
| 27.456 | 6109.367 | 7100.301 | 3.940 |
| 4828.205 | 163.683 | 1.002 | 14.791 |
| 10/19/2016 11:40:00 PM | 610800.000 | 12.044 | 17.693 |
| 27.451 | 6113.616 | 7105.252 | 3.943 |
| 4831.572 | 163.569 | 1.002 | 14.790 |
| 10/19/2016 11:45:00 PM | 611100.000 | 12.048 | 17.694 |
| 27.461 | 6117.406 | 7109.559 | 3.946 |
| 4834.500 | 163.468 | 1.002 | 14.790 |
| 10/19/2016 11:50:00 PM | 611400.000 | 12.047 | 17.693 |
| 27.460 | 6120.751 | 7113.517 | 3.948 |
| 4837.192 | 163.379 | 1.002 | 14.791 |
| 10/19/2016 11:55:00 PM | 611700.000 | 12.046 | 17.693 |
| 27.456 | 6124.582 | 7117.927 | 3.951 |
| 4840.191 | 163.276 | 1.002 | 14.792 |

Report Date: 10/21/2016 8:25:42 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-5D Pre Test_2016-10-20_17-47-55-229-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-5D
Device Name:
Serial Number: 398697
Firmware Version: 2.00
Hardware Version: 2
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 3
Used Battery(%): 1

Log Configuration
Log Name: MPWSP MW-5D Pre Test
Created By: nreynolds
Computer Name: PROBOOK1
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 3/14/2015 5:21:38 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: 3/14/2015 5:30:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.012

Other Log Settings
Depth of Probe: 364.976 (ft)
Head Pressure: 160.126 (PSI)
Temperature: 21.4216 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

Log Notes:

| Date and Time | Note |
|---|---|
| 3/14/2015 5:21:49 PM | Used Battery: 1% Used Memory: 4% User Name: nreynolds |
| 3/20/2015 1:42:10 PM | Log Download - Used Battery: 1% Used Memory: 4% User Name: GSSI |
| 3/27/2015 3:11:22 PM | Log Download - Used Battery: 2% Used Memory: 6% User Name: GSSI |
| 4/3/2015 10:31:30 AM | Log Download - Used Battery: 2% Used Memory: 6% User Name: ECrowWillard |
| 4/10/2015 9:37:12 AM | Log Download - Used Battery: 2% Used Memory: 7% User Name: ECrowWillard |
| 4/17/2015 4:35:02 PM | Log Download - Used Battery: 3% Used Memory: 7% User Name: AKieta |
| 4/24/2015 2:40:39 PM | Log Download - Used Battery: 3% Used Memory: 9% User Name: ECrowWillard |
| 5/1/2015 3:13:28 PM | Log Download - Used Battery: 4% Used Memory: 9% User Name: GSSI |
| 5/7/2015 4:36:59 PM | Log Download - Used Battery: 4% Used Memory: 10% User Name: ECrowWillard Interval - Start Time: 5/1/2015 3:00:00 PM |
| 5/11/2015 1:01:57 PM | Log Download - Used Battery: 4% Used Memory: 10% User Name: BDuarte |
| 5/14/2015 6:06:28 PM | Log Download - Used Battery: 4% Used Memory: 10% User Name: BDuarte Interval - Start Time: 5/11/2015 1:00:00 PM |
| 5/18/2015 1:20:22 PM | Log Download - Used Battery: 4% Used Memory: 12% User Name: BDuarte Interval - Start Time: 5/14/2015 6:00:00 PM |
| 5/21/2015 1:04:06 PM | Log Download - Used Battery: 5% Used Memory: 12% User Name: CShaw |
| 5/28/2015 4:04:17 PM | Log Download - Used Battery: 5% Used Memory: 12% User Name: ECrowWillard Interval - Start Time: 5/7/2015 4:30:00 PM |
| 6/4/2015 5:35:43 PM | Log Download - Used Battery: 5% Used Memory: 14% User Name: BDuarte |
| 6/11/2015 8:20:02 AM | Log Download - Used Battery: 6% Used Memory: 14% User Name: BDuarte Interval - Start Time: 6/4/2015 5:30:00 PM |
| 6/17/2015 8:56:47 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: CShaw Interval - Start Time: 5/21/2015 1:00:00 PM |
| 6/18/2015 11:39:25 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: CShaw |
| 6/25/2015 10:26:07 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: BDuarte Interval - Start Time: 6/11/2015 8:15:00 AM |
| 7/2/2015 9:52:38 AM | Log Download - Used Battery: 7% Used Memory: 17% User Name: CShaw |
| 7/9/2015 2:16:22 PM | Log Download - Used Battery: 7% Used Memory: 17% User Name: BDuarte |
| 7/16/2015 9:40:59 AM | Log Download - Used Battery: 8% Used Memory: 18% User Name: CShaw |
| 7/23/2015 11:18:20 AM | Log Download - Used Battery: 8% Used Memory: 18% User Name: KMakar |
| 7/30/2015 3:52:38 PM | Log Download - Used Battery: 8% Used Memory: 20% User Name: BDuarte Interval - Start Time: 7/9/2015 2:15:00 PM |
| 7/30/2015 4:54:30 PM | Log Download - Used Battery: 8% Used Memory: 20% User Name: BDuarte Interval - Start Time: 7/9/2015 2:15:00 PM |
| 8/6/2015 1:55:33 PM | Log Download - Used Battery: 9% Used Memory: 21% User Name: CShaw Interval - Start Time: 7/14/2015 2:15:00 PM Stop Time: 8/6/2015 1:30:00 PM |
| 8/13/2015 10:58:06 AM | Log Download - Used Battery: 9% Used Memory: 21% User Name: KMakar Interval - Start Time: 7/23/2015 11:15:00 AM |
| 8/20/2015 5:25:42 PM | Log Download - Used Battery: 9% Used Memory: 23% User Name: BDuarte Interval - Start Time: 7/30/2015 4:45:00 PM |
| 8/27/2015 11:57:15 AM | Log Download - Used Battery: 10% Used Memory: 23% User Name: KMakar Interval - Start Time: 8/13/2015 5:15:00 PM Stop Time: 8/27/2015 11:55:00 AM |
| 9/3/2015 11:50:27 AM | Log Download - Used Battery: 10% Used Memory: 25% User Name: CShaw Interval - Start Time: 8/1/2015 5:30:00 PM Stop Time: 9/3/2015 11:45:00 AM |
| 9/10/2015 9:25:55 AM | Log Download - Used Battery: 11% Used Memory: 25% User Name: KMakar Interval - Start Time: 8/10/2015 8:30:00 AM Stop Time: 9/10/2015 9:25:00 AM |
| 9/17/2015 9:27:07 AM | Log Download - Used Battery: 11% Used Memory: 26% User Name: KMakar Interval - Start Time: 9/1/2015 5:30:00 AM Stop Time: 9/17/2015 9:30:00 AM |

9/24/2015 5:47:55 PM Log Download - Used Battery: 11% Used Memory: 26% User Name: CShaw Interval - Start Time: 9/1/2015 5:30:00 PM Stop Time: 9/24/2015 9:00:00 AM
9/24/2015 6:04:13 PM Log Download - Used Battery: 11% Used Memory: 26% User Name: CShaw Interval - Start Time: 9/1/2015 5:30:00 PM Stop Time: 9/24/2015 9:00:00 AM
9/24/2015 7:41:30 PM Log Download - Used Battery: 11% Used Memory: 26% User Name: CShaw Interval - Start Time: 9/1/2015 5:30:00 PM Stop Time: 9/24/2015 8:30:00 PM
10/1/2015 9:51:21 AM Log Download - Used Battery: 12% Used Memory: 28% User Name: KMakar Interval - Start Time: 9/15/2015 7:30:00 AM Stop Time: 10/1/2015 9:50:00 AM
10/8/2015 11:29:10 AM Log Download - Used Battery: 12% Used Memory: 28% User Name: CShaw Interval - Start Time: 9/14/2015 5:30:00 PM Stop Time: 10/8/2015 12:15:00 PM
10/15/2015 11:09:18 AM Log Download - Used Battery: 12% Used Memory: 29% User Name: KMakar Interval - Start Time: 9/30/2015 7:30:00 AM Stop Time: 10/15/2015 11:15:00 AM
10/22/2015 10:31:53 AM Log Download - Used Battery: 13% Used Memory: 29% User Name: CShaw Interval - Start Time: 10/1/2015 3:05:00 AM Stop Time: 10/22/2015 11:30:00 AM
10/29/2015 11:46:57 AM Log Download - Used Battery: 13% Used Memory: 31% User Name: KMakar Interval - Start Time: 10/13/2015 6:15:00 AM Stop Time: 10/29/2015 11:45:00 AM
11/5/2015 8:33:04 AM Log Download - Used Battery: 13% Used Memory: 31% User Name: KMakar Interval - Start Time: 10/20/2015 6:15:00 AM Stop Time: 11/5/2015 8:30:00 AM
11/12/2015 2:02:13 PM Log Download - Used Battery: 14% Used Memory: 32% User Name: CShaw Interval - Start Time: 10/27/2015 11:00:00 AM Stop Time: 11/12/2015 2:30:00 PM
11/19/2015 9:41:17 AM Log Download - Used Battery: 14% Used Memory: 32% User Name: KMakar Interval - Start Time: 11/1/2015 7:00:00 AM Stop Time: 11/19/2015 9:45:00 AM
11/29/2015 11:15:13 AM Log Download - Used Battery: 15% Used Memory: 34% User Name: CShaw Interval - Start Time: 11/13/2015 1:00:00 AM Stop Time: 11/29/2015 12:00:00 PM
12/3/2015 8:09:51 AM Log Download - Used Battery: 15% Used Memory: 34% User Name: KMakar Interval - Start Time: 11/18/2015 7:00:00 AM Stop Time: 12/3/2015 8:10:00 AM
12/10/2015 10:31:42 AM Log Download - Used Battery: 15% Used Memory: 35% User Name: CShaw Interval - Start Time: 10/13/2015 1:00:00 AM Stop Time: 12/10/2015 10:30:00 AM
12/17/2015 9:49:12 AM Log Download - Used Battery: 16% Used Memory: 35% User Name: KMakar Interval - Start Time: 12/1/2015 12:00:00 PM Stop Time: 12/17/2015 9:45:00 AM
1/3/2016 11:56:11 AM Log Download - Used Battery: 16% Used Memory: 39% User Name: CShaw Interval - Start Time: 11/30/2015 1:00:00 AM Stop Time: 1/3/2016 12:45:00 PM
1/3/2016 12:55:37 PM Sensor SN: 398697 Cache Timeout: 1000 User Name: CShaw
1/3/2016 12:57:19 PM Device Taken Offline
1/3/2016 12:58:39 PM Conductivity calibration.
Sensor SN: 398697
Cell Constant: 1.00791 Cell Offset: 0
Reference Temperature: 25 Temperature Coefficient: 0.0191 User Name: CShaw
1/3/2016 12:59:45 PM Device Put Online
1/3/2016 12:59:45 PM Sensor SN: 398697 Cache Timeout: 1750 User Name: CShaw
1/7/2016 9:11:16 AM Log Download - Used Battery: 17% Used Memory: 39% User Name: KMakar Interval - Start Time: 12/31/2015 10:00:00 AM Stop Time: 1/7/2016 9:15:00 AM
1/14/2016 1:11:12 PM Log Download - Used Battery: 17% Used Memory: 40% User Name: KMakar Interval - Start Time: 1/4/2016 10:00:00 AM Stop Time: 1/14/2016 1:15:00 PM
1/21/2016 9:17:37 AM Log Download - Used Battery: 17% Used Memory: 40% User Name: KMakar Interval - Start Time: 1/12/2016 11:00:00 AM Stop Time: 1/21/2016 9:15:00 AM
1/28/2016 9:42:58 AM Log Download - Used Battery: 18% Used Memory: 42% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 9:45:00 AM
2/4/2016 10:30:51 AM Log Download - Used Battery: 18% Used Memory: 42% User Name: CShaw Interval - Start Time: 12/31/2015 1:00:00 AM Stop Time: 2/4/2016 11:15:00 AM
2/11/2016 10:18:11 AM Log Download - Used Battery: 19% Used Memory: 43% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 11:14:45 AM
2/18/2016 11:00:57 AM Log Download - Used Battery: 19% Used Memory: 43% User Name: CShaw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 11:00:00 AM
2/25/2016 10:31:31 AM Log Download - Used Battery: 19% Used Memory: 45% User Name: KMakar Interval -

Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 10:30:00 AM
3/3/2016 12:11:56 PM Log Download - Used Battery: 20% Used Memory: 45% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 12:59:45 PM
3/10/2016 2:57:18 PM Log Download - Used Battery: 20% Used Memory: 46% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 2:45:00 PM
3/17/2016 10:00:06 AM Log Download - Used Battery: 20% Used Memory: 46% User Name: SKuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 10:44:45 AM
3/24/2016 9:17:14 AM Log Download - Used Battery: 21% Used Memory: 48% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 9:15:00 AM
3/31/2016 3:27:31 PM Log Download - Used Battery: 21% Used Memory: 48% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 4:14:45 PM
4/7/2016 10:23:21 AM Log Download - Used Battery: 21% Used Memory: 50% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 10:30:00 AM
4/14/2016 4:08:43 PM Log Download - Used Battery: 22% Used Memory: 50% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 4:45:00 PM
10/21/2016 8:23:58 AM User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl""

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Log Data:
Record Count: 750
Sensors: 2
1 - 398697: PCTD 300 PSIA (200.7m/658.7ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

| | Sensor: PCTD(A) 658.7ft SN#: 398697 | Sensor: PCTD(A) 658.7ft SN#: 398697 | Sensor: PCTD(A) 658.7ft SN#: 398697 | Sensor: PCTD(A) 658.7ft SN#: 398697 | Sensor: PCTD(A) 658.7ft SN#: 398697 | Sensor: PCTD(A) 658.7ft SN#: 398697 | Sensor: PCTD(A) 658.7ft SN#: 398697 | Sensor: PCTD(A) 658.7ft SN#: 398697 | Sensor: PCTD(A) 658.7ft SN#: 398697 | Sensor: Baro-Adj Calc SN#: 000000 |
|---|---|---|---|---|---|---|---|---|---|---|
| Date and Time | Elapsed Time Seconds | Corrected Pressure (PSI) | Temperature (C) | Corrected Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppt) | Resistivity (ohm-cm) | Water Density (g/cm3) | Barometric Pressure (PSI) |
| 10/13/2016 12:14:45 AM | 7200.000 | 142.204 | 21.341 | 324.126 | 5022.577 | 5399.915 | 2.950 | 3.672 | 199.101 | 1.000 | 14.771 |
| 10/13/2016 12:29:45 AM | 8100.000 | 142.180 | 21.335 | 324.072 | 5022.716 | 5400.784 | 2.950 | 3.673 | 199.095 | 1.000 | 14.773 |
| 10/13/2016 12:44:45 AM | 9000.000 | 142.171 | 21.333 | 324.052 | 5021.958 | 5400.163 | 2.950 | 3.672 | 199.126 | 1.000 | 14.775 |
| 10/13/2016 12:59:45 AM | 9900.000 | 142.189 | 21.330 | 324.093 | 5022.182 | 5400.715 | 2.950 | | | | |

| | | | |
|---|---|---|---|
| 3.672 | 199.117 | 1.000 | 14.777 |
| 10/13/2016 1:14:45 AM | 10800.000 | 142.183 | 21.337 |
| 324.078 | 5023.713 | 5401.603 | 2.951 |
| 3.673 | 199.056 | 1.000 | 14.782 |
| 10/13/2016 1:29:45 AM | 11700.000 | 142.182 | 21.335 |
| 324.077 | 5023.424 | 5401.565 | 2.951 |
| 3.673 | 199.067 | 1.000 | 14.773 |
| 10/13/2016 1:44:45 AM | 12600.000 | 142.187 | 21.333 |
| 324.088 | 5023.615 | 5402.004 | 2.951 |
| 3.673 | 199.060 | 1.000 | 14.770 |
| 10/13/2016 1:59:45 AM | 13500.000 | 142.182 | 21.336 |
| 324.077 | 5024.388 | 5402.445 | 2.951 |
| 3.674 | 199.029 | 1.000 | 14.774 |
| 10/13/2016 2:14:45 AM | 14400.000 | 142.179 | 21.339 |
| 324.070 | 5024.421 | 5402.140 | 2.951 |
| 3.673 | 199.028 | 1.000 | 14.774 |
| 10/13/2016 2:29:45 AM | 15300.000 | 142.191 | 21.329 |
| 324.097 | 5024.461 | 5403.360 | 2.952 |
| 3.674 | 199.026 | 1.000 | 14.772 |
| 10/13/2016 2:44:45 AM | 16200.000 | 142.188 | 21.337 |
| 324.091 | 5024.755 | 5402.695 | 2.951 |
| 3.674 | 199.015 | 1.000 | 14.773 |
| 10/13/2016 2:59:45 AM | 17100.000 | 142.185 | 21.330 |
| 324.083 | 5025.045 | 5403.813 | 2.952 |
| 3.675 | 199.003 | 1.000 | 14.778 |
| 10/13/2016 3:14:45 AM | 18000.000 | 142.185 | 21.336 |
| 324.083 | 5024.253 | 5402.359 | 2.951 |
| 3.674 | 199.035 | 1.000 | 14.770 |
| 10/13/2016 3:29:45 AM | 18900.000 | 142.197 | 21.332 |
| 324.111 | 5025.509 | 5404.146 | 2.952 |
| 3.675 | 198.985 | 1.000 | 14.764 |
| 10/13/2016 3:44:45 AM | 19800.000 | 142.230 | 21.334 |
| 324.187 | 5025.229 | 5403.602 | 2.952 |
| 3.674 | 198.996 | 1.000 | 14.763 |
| 10/13/2016 3:59:45 AM | 20700.000 | 142.232 | 21.334 |
| 324.192 | 5025.963 | 5404.431 | 2.952 |
| 3.675 | 198.967 | 1.000 | 14.761 |
| 10/13/2016 4:14:45 AM | 21600.000 | 142.191 | 21.333 |
| 324.096 | 5025.278 | 5403.763 | 2.952 |
| 3.675 | 198.994 | 1.000 | 14.763 |
| 10/13/2016 4:29:45 AM | 22500.000 | 142.230 | 21.337 |
| 324.186 | 5026.052 | 5404.108 | 2.952 |
| 3.675 | 198.963 | 1.000 | 14.759 |
| 10/13/2016 4:44:45 AM | 23400.000 | 142.200 | 21.339 |
| 324.118 | 5026.104 | 5404.029 | 2.952 |
| 3.675 | 198.961 | 1.000 | 14.757 |
| 10/13/2016 4:59:45 AM | 24300.000 | 142.224 | 21.342 |
| 324.173 | 5026.409 | 5403.976 | 2.952 |
| 3.675 | 198.949 | 1.000 | 14.757 |
| 10/13/2016 5:14:45 AM | 25200.000 | 142.195 | 21.331 |
| 324.106 | 5026.092 | 5404.803 | 2.953 |
| 3.675 | 198.962 | 1.000 | 14.761 |
| 10/13/2016 5:29:45 AM | 26100.000 | 142.202 | 21.334 |
| 324.121 | 5025.895 | 5404.270 | 2.952 |
| 3.675 | 198.970 | 1.000 | 14.759 |

| | | | |
|---|---|---|---|
| 10/13/2016 5:44:45 AM | 27000.000 | 142.205 | 21.336 |
| 324.130 | 5025.695 | 5403.900 | 2.952 |
| 3.675 | 198.977 | 1.000 | 14.755 |
| 10/13/2016 5:59:45 AM | 27900.000 | 142.211 | 21.330 |
| 324.142 | 5026.402 | 5405.321 | 2.953 |
| 3.676 | 198.949 | 1.000 | 14.758 |
| 10/13/2016 6:14:45 AM | 28800.000 | 142.242 | 21.325 |
| 324.212 | 5025.877 | 5405.282 | 2.953 |
| 3.676 | 198.970 | 1.000 | 14.758 |
| 10/13/2016 6:29:45 AM | 29700.000 | 142.209 | 21.323 |
| 324.137 | 5026.341 | 5406.015 | 2.953 |
| 3.676 | 198.952 | 1.000 | 14.760 |
| 10/13/2016 6:44:45 AM | 30600.000 | 142.207 | 21.329 |
| 324.133 | 5027.853 | 5407.018 | 2.954 |
| 3.677 | 198.892 | 1.000 | 14.755 |
| 10/13/2016 6:59:45 AM | 31500.000 | 142.202 | 21.331 |
| 324.122 | 5027.726 | 5406.647 | 2.954 |
| 3.677 | 198.897 | 1.000 | 14.754 |
| 10/13/2016 7:14:45 AM | 32400.000 | 142.221 | 21.335 |
| 324.166 | 5028.963 | 5407.482 | 2.954 |
| 3.677 | 198.848 | 1.000 | 14.752 |
| 10/13/2016 7:29:45 AM | 33300.000 | 142.215 | 21.330 |
| 324.152 | 5028.176 | 5407.258 | 2.954 |
| 3.677 | 198.879 | 1.000 | 14.754 |
| 10/13/2016 7:44:45 AM | 34200.000 | 142.215 | 21.332 |
| 324.151 | 5028.563 | 5407.401 | 2.954 |
| 3.677 | 198.864 | 1.000 | 14.754 |
| 10/13/2016 7:59:45 AM | 35100.000 | 142.215 | 21.332 |
| 324.151 | 5030.555 | 5409.504 | 2.955 |
| 3.678 | 198.785 | 1.000 | 14.751 |
| 10/13/2016 8:14:45 AM | 36000.000 | 142.251 | 21.326 |
| 324.234 | 5030.567 | 5410.179 | 2.956 |
| 3.679 | 198.785 | 1.000 | 14.754 |
| 10/13/2016 8:29:45 AM | 36900.000 | 142.257 | 21.324 |
| 324.247 | 5030.819 | 5410.733 | 2.956 |
| 3.679 | 198.775 | 1.000 | 14.757 |
| 10/13/2016 8:44:45 AM | 37800.000 | 142.214 | 21.327 |
| 324.149 | 5030.609 | 5410.147 | 2.956 |
| 3.679 | 198.783 | 1.000 | 14.759 |
| 10/13/2016 8:59:45 AM | 38700.000 | 142.214 | 21.334 |
| 324.149 | 5031.873 | 5410.717 | 2.956 |
| 3.679 | 198.733 | 1.000 | 14.760 |
| 10/13/2016 9:14:45 AM | 39600.000 | 142.217 | 21.330 |
| 324.156 | 5031.646 | 5410.883 | 2.956 |
| 3.679 | 198.742 | 1.000 | 14.761 |
| 10/13/2016 9:29:45 AM | 40500.000 | 142.262 | 21.325 |
| 324.258 | 5031.705 | 5411.530 | 2.957 |
| 3.680 | 198.740 | 1.000 | 14.771 |
| 10/13/2016 9:44:45 AM | 41400.000 | 142.231 | 21.327 |
| 324.189 | 5032.329 | 5411.997 | 2.957 |
| 3.680 | 198.715 | 1.000 | 14.763 |
| 10/13/2016 9:59:45 AM | 42300.000 | 142.198 | 21.330 |
| 324.113 | 5032.867 | 5412.292 | 2.957 |
| 3.680 | 198.694 | 1.000 | 14.774 |
| 10/13/2016 10:14:45 AM | 43200.000 | 142.269 | 21.327 |

| | | | |
|---|---|---|---|
| 324.275 | 5033.244 | 5413.039 | 2.957 |
| 3.681 | 198.679 | 1.000 | 14.770 |
| 10/13/2016 10:29:45 AM | 44100.000 | 142.207 | 21.323 |
| 324.134 | 5033.592 | 5413.853 | 2.958 |
| 3.681 | 198.665 | 1.000 | 14.770 |
| 10/13/2016 10:44:45 AM | 45000.000 | 142.230 | 21.335 |
| 324.186 | 5036.196 | 5415.307 | 2.959 |
| 3.682 | 198.563 | 1.000 | 14.773 |
| 10/13/2016 10:59:45 AM | 45900.000 | 142.243 | 21.335 |
| 324.215 | 5037.027 | 5416.133 | 2.959 |
| 3.683 | 198.530 | 1.000 | 14.773 |
| 10/13/2016 11:14:45 AM | 46800.000 | 142.238 | 21.337 |
| 324.205 | 5038.083 | 5417.024 | 2.960 |
| 3.684 | 198.488 | 1.000 | 14.776 |
| 10/13/2016 11:29:45 AM | 47700.000 | 142.240 | 21.335 |
| 324.209 | 5037.858 | 5417.017 | 2.960 |
| 3.684 | 198.497 | 1.000 | 14.775 |
| 10/13/2016 11:44:45 AM | 48600.000 | 142.255 | 21.337 |
| 324.242 | 5038.215 | 5417.176 | 2.960 |
| 3.684 | 198.483 | 1.000 | 14.770 |
| 10/13/2016 11:59:45 AM | 49500.000 | 142.246 | 21.333 |
| 324.223 | 5039.798 | 5419.395 | 2.961 |
| 3.685 | 198.421 | 1.000 | 14.770 |
| 10/13/2016 12:14:45 PM | 50400.000 | 142.254 | 21.333 |
| 324.242 | 5039.643 | 5419.150 | 2.961 |
| 3.685 | 198.427 | 1.000 | 14.770 |
| 10/13/2016 12:29:45 PM | 51300.000 | 142.262 | 21.332 |
| 324.259 | 5039.588 | 5419.218 | 2.961 |
| 3.685 | 198.429 | 1.000 | 14.770 |
| 10/13/2016 12:44:45 PM | 52200.000 | 142.264 | 21.328 |
| 324.264 | 5039.694 | 5419.771 | 2.961 |
| 3.685 | 198.425 | 1.000 | 14.766 |
| 10/13/2016 12:59:45 PM | 53100.000 | 142.264 | 21.333 |
| 324.263 | 5040.026 | 5419.631 | 2.961 |
| 3.685 | 198.412 | 1.000 | 14.766 |
| 10/13/2016 1:14:45 PM | 54000.000 | 142.269 | 21.334 |
| 324.276 | 5040.785 | 5420.329 | 2.962 |
| 3.686 | 198.382 | 1.000 | 14.763 |
| 10/13/2016 1:29:45 PM | 54900.000 | 142.273 | 21.331 |
| 324.284 | 5041.134 | 5421.046 | 2.962 |
| 3.686 | 198.368 | 1.000 | 14.753 |
| 10/13/2016 1:44:45 PM | 55800.000 | 142.273 | 21.331 |
| 324.283 | 5041.776 | 5421.687 | 2.962 |
| 3.687 | 198.343 | 1.000 | 14.757 |
| 10/13/2016 1:59:45 PM | 56700.000 | 142.272 | 21.334 |
| 324.282 | 5043.514 | 5423.205 | 2.963 |
| 3.688 | 198.274 | 1.000 | 14.756 |
| 10/13/2016 2:14:45 PM | 57600.000 | 142.308 | 21.337 |
| 324.364 | 5043.286 | 5422.697 | 2.963 |
| 3.687 | 198.283 | 1.000 | 14.755 |
| 10/13/2016 2:29:45 PM | 58500.000 | 142.301 | 21.333 |
| 324.347 | 5042.827 | 5422.663 | 2.963 |
| 3.687 | 198.301 | 1.000 | 14.752 |
| 10/13/2016 2:44:45 PM | 59400.000 | 142.271 | 21.335 |
| 324.279 | 5044.158 | 5423.839 | 2.964 |

| | | | |
|---|---|---|---|
| 3.688 | 198.249 | 1.000 | 14.750 |
| 10/13/2016 2:59:45 PM | 60300.000 | 142.275 | 21.329 |
| 324.290 | 5044.121 | 5424.474 | 2.964 |
| 3.689 | 198.251 | 1.000 | 14.750 |
| 10/13/2016 3:14:45 PM | 61200.000 | 142.272 | 21.332 |
| 324.282 | 5044.314 | 5424.387 | 2.964 |
| 3.689 | 198.243 | 1.000 | 14.747 |
| 10/13/2016 3:29:45 PM | 62100.000 | 142.275 | 21.334 |
| 324.289 | 5044.964 | 5424.843 | 2.964 |
| 3.689 | 198.217 | 1.000 | 14.744 |
| 10/13/2016 3:44:45 PM | 63000.000 | 142.319 | 21.333 |
| 324.389 | 5046.144 | 5426.141 | 2.965 |
| 3.690 | 198.171 | 1.000 | 14.739 |
| 10/13/2016 3:59:45 PM | 63900.000 | 142.280 | 21.330 |
| 324.301 | 5045.269 | 5425.533 | 2.965 |
| 3.689 | 198.205 | 1.000 | 14.734 |
| 10/13/2016 4:14:45 PM | 64800.000 | 142.276 | 21.330 |
| 324.292 | 5045.763 | 5426.094 | 2.965 |
| 3.690 | 198.186 | 1.000 | 14.739 |
| 10/13/2016 4:29:45 PM | 65700.000 | 142.290 | 21.326 |
| 324.322 | 5045.610 | 5426.446 | 2.965 |
| 3.690 | 198.192 | 1.000 | 14.732 |
| 10/13/2016 4:44:45 PM | 66600.000 | 142.271 | 21.334 |
| 324.279 | 5046.124 | 5426.042 | 2.965 |
| 3.690 | 198.172 | 1.000 | 14.734 |
| 10/13/2016 4:59:45 PM | 67500.000 | 142.276 | 21.340 |
| 324.291 | 5048.138 | 5427.571 | 2.966 |
| 3.691 | 198.093 | 1.000 | 14.729 |
| 10/13/2016 5:14:45 PM | 68400.000 | 142.274 | 21.335 |
| 324.286 | 5046.799 | 5426.621 | 2.965 |
| 3.690 | 198.145 | 1.000 | 14.732 |
| 10/13/2016 5:29:45 PM | 69300.000 | 142.280 | 21.330 |
| 324.300 | 5047.733 | 5428.212 | 2.966 |
| 3.691 | 198.109 | 1.000 | 14.726 |
| 10/13/2016 5:44:45 PM | 70200.000 | 142.316 | 21.334 |
| 324.383 | 5048.056 | 5428.168 | 2.966 |
| 3.691 | 198.096 | 1.000 | 14.722 |
| 10/13/2016 5:59:45 PM | 71100.000 | 142.282 | 21.329 |
| 324.306 | 5048.266 | 5428.970 | 2.967 |
| 3.692 | 198.088 | 1.000 | 14.725 |
| 10/13/2016 6:14:45 PM | 72000.000 | 142.271 | 21.321 |
| 324.279 | 5047.736 | 5429.279 | 2.967 |
| 3.692 | 198.109 | 1.000 | 14.729 |
| 10/13/2016 6:29:45 PM | 72900.000 | 142.279 | 21.321 |
| 324.298 | 5047.633 | 5429.149 | 2.967 |
| 3.692 | 198.113 | 1.000 | 14.731 |
| 10/13/2016 6:44:45 PM | 73800.000 | 142.279 | 21.322 |
| 324.298 | 5047.723 | 5429.129 | 2.967 |
| 3.692 | 198.109 | 1.000 | 14.731 |
| 10/13/2016 6:59:45 PM | 74700.000 | 142.267 | 21.323 |
| 324.270 | 5048.247 | 5429.536 | 2.967 |
| 3.692 | 198.089 | 1.000 | 14.733 |
| 10/13/2016 7:14:45 PM | 75600.000 | 142.275 | 21.327 |
| 324.288 | 5049.937 | 5430.923 | 2.968 |
| 3.693 | 198.022 | 1.000 | 14.728 |

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|---|---|---|---|
| 10/13/2016 7:29:45 PM | 76500.000 | 142.274 | 21.325 |
| 324.286 | 5050.178 | 5431.388 | 2.968 |
| 3.693 | 198.013 | 1.000 | 14.733 |
| 10/13/2016 7:44:45 PM | 77400.000 | 142.273 | 21.326 |
| 324.283 | 5050.294 | 5431.464 | 2.968 |
| 3.693 | 198.008 | 1.000 | 14.733 |
| 10/13/2016 7:59:45 PM | 78300.000 | 142.268 | 21.327 |
| 324.273 | 5050.489 | 5431.557 | 2.968 |
| 3.693 | 198.001 | 1.000 | 14.738 |
| 10/13/2016 8:14:45 PM | 79200.000 | 142.271 | 21.325 |
| 324.280 | 5052.457 | 5433.839 | 2.970 |
| 3.695 | 197.924 | 1.000 | 14.733 |
| 10/13/2016 8:29:45 PM | 80100.000 | 142.272 | 21.325 |
| 324.281 | 5051.929 | 5433.281 | 2.969 |
| 3.695 | 197.944 | 1.000 | 14.738 |
| 10/13/2016 8:44:45 PM | 81000.000 | 142.269 | 21.325 |
| 324.274 | 5052.977 | 5434.378 | 2.970 |
| 3.695 | 197.903 | 1.000 | 14.737 |
| 10/13/2016 8:59:45 PM | 81900.000 | 142.278 | 21.326 |
| 324.297 | 5052.324 | 5433.628 | 2.969 |
| 3.695 | 197.929 | 1.000 | 14.735 |
| 10/13/2016 9:14:45 PM | 82800.000 | 142.277 | 21.326 |
| 324.294 | 5053.675 | 5435.101 | 2.970 |
| 3.696 | 197.876 | 1.000 | 14.734 |
| 10/13/2016 9:29:45 PM | 83700.000 | 142.262 | 21.332 |
| 324.258 | 5053.814 | 5434.555 | 2.970 |
| 3.695 | 197.870 | 1.000 | 14.742 |
| 10/13/2016 9:44:45 PM | 84600.000 | 142.305 | 21.327 |
| 324.356 | 5054.537 | 5435.871 | 2.971 |
| 3.696 | 197.842 | 1.000 | 14.744 |
| 10/13/2016 9:59:45 PM | 85500.000 | 142.258 | 21.331 |
| 324.249 | 5054.518 | 5435.429 | 2.970 |
| 3.696 | 197.843 | 1.000 | 14.744 |
| 10/13/2016 10:14:45 PM | 86400.000 | 142.262 | 21.334 |
| 324.260 | 5054.674 | 5435.275 | 2.970 |
| 3.696 | 197.837 | 1.000 | 14.742 |
| 10/13/2016 10:29:45 PM | 87300.000 | 142.263 | 21.333 |
| 324.261 | 5054.704 | 5435.354 | 2.970 |
| 3.696 | 197.836 | 1.000 | 14.741 |
| 10/13/2016 10:44:45 PM | 88200.000 | 142.265 | 21.335 |
| 324.266 | 5055.255 | 5435.743 | 2.971 |
| 3.696 | 197.814 | 1.000 | 14.740 |
| 10/13/2016 10:59:45 PM | 89100.000 | 142.258 | 21.333 |
| 324.249 | 5054.654 | 5435.370 | 2.970 |
| 3.696 | 197.837 | 1.000 | 14.743 |
| 10/13/2016 11:14:45 PM | 90000.000 | 142.256 | 21.334 |
| 324.246 | 5055.806 | 5436.521 | 2.971 |
| 3.697 | 197.792 | 1.000 | 14.748 |
| 10/13/2016 11:29:45 PM | 90900.000 | 142.267 | 21.337 |
| 324.269 | 5055.226 | 5435.535 | 2.971 |
| 3.696 | 197.815 | 1.000 | 14.741 |
| 10/13/2016 11:44:45 PM | 91800.000 | 142.264 | 21.335 |
| 324.263 | 5055.919 | 5436.476 | 2.971 |
| 3.697 | 197.788 | 1.000 | 14.741 |
| 10/13/2016 11:59:45 PM | 92700.000 | 142.266 | 21.337 |

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|---|---|---|---|
| 324.268 | 5055.208 | 5435.458 | 2.970 |
| 3.696 | 197.816 | 1.000 | 14.739 |
| 10/14/2016 12:14:45 AM | 93600.000 | 142.274 | 21.335 |
| 324.287 | 5055.583 | 5436.105 | 2.971 |
| 3.697 | 197.801 | 1.000 | 14.734 |
| 10/14/2016 12:29:45 AM | 94500.000 | 142.306 | 21.338 |
| 324.359 | 5055.542 | 5435.757 | 2.971 |
| 3.696 | 197.803 | 1.000 | 14.737 |
| 10/14/2016 12:44:45 AM | 95400.000 | 142.272 | 21.336 |
| 324.282 | 5055.643 | 5436.111 | 2.971 |
| 3.697 | 197.799 | 1.000 | 14.731 |
| 10/14/2016 12:59:45 AM | 96300.000 | 142.303 | 21.338 |
| 324.353 | 5055.686 | 5435.864 | 2.971 |
| 3.696 | 197.797 | 1.000 | 14.731 |
| 10/14/2016 1:14:45 AM | 97200.000 | 142.306 | 21.341 |
| 324.358 | 5056.200 | 5436.113 | 2.971 |
| 3.697 | 197.777 | 1.000 | 14.729 |
| 10/14/2016 1:29:45 AM | 98100.000 | 142.270 | 21.342 |
| 324.278 | 5056.803 | 5436.703 | 2.971 |
| 3.697 | 197.753 | 1.000 | 14.725 |
| 10/14/2016 1:44:45 AM | 99000.000 | 142.267 | 21.343 |
| 324.270 | 5057.672 | 5437.442 | 2.972 |
| 3.697 | 197.719 | 1.000 | 14.732 |
| 10/14/2016 1:59:45 AM | 99900.000 | 142.310 | 21.341 |
| 324.369 | 5057.568 | 5437.565 | 2.972 |
| 3.698 | 197.723 | 1.000 | 14.733 |
| 10/14/2016 2:14:45 AM | 100800.000 | 142.310 | 21.344 |
| 324.369 | 5057.872 | 5437.618 | 2.972 |
| 3.698 | 197.712 | 1.000 | 14.730 |
| 10/14/2016 2:29:45 AM | 101700.000 | 142.268 | 21.346 |
| 324.272 | 5057.954 | 5437.441 | 2.972 |
| 3.697 | 197.708 | 1.000 | 14.730 |
| 10/14/2016 2:44:45 AM | 102600.000 | 142.305 | 21.346 |
| 324.357 | 5056.834 | 5436.237 | 2.971 |
| 3.697 | 197.752 | 1.000 | 14.732 |
| 10/14/2016 2:59:45 AM | 103500.000 | 142.275 | 21.346 |
| 324.290 | 5058.215 | 5437.731 | 2.972 |
| 3.698 | 197.698 | 1.000 | 14.727 |
| 10/14/2016 3:14:45 AM | 104400.000 | 142.304 | 21.347 |
| 324.356 | 5057.858 | 5437.210 | 2.972 |
| 3.697 | 197.712 | 1.000 | 14.732 |
| 10/14/2016 3:29:45 AM | 105300.000 | 142.273 | 21.349 |
| 324.283 | 5058.219 | 5437.393 | 2.972 |
| 3.697 | 197.698 | 1.000 | 14.734 |
| 10/14/2016 3:44:45 AM | 106200.000 | 142.308 | 21.350 |
| 324.364 | 5058.202 | 5437.276 | 2.972 |
| 3.697 | 197.699 | 1.000 | 14.733 |
| 10/14/2016 3:59:45 AM | 107100.000 | 142.314 | 21.347 |
| 324.378 | 5058.340 | 5437.778 | 2.972 |
| 3.698 | 197.693 | 1.000 | 14.736 |
| 10/14/2016 4:14:45 AM | 108000.000 | 142.238 | 21.346 |
| 324.203 | 5058.397 | 5437.947 | 2.972 |
| 3.698 | 197.691 | 1.000 | 14.736 |
| 10/14/2016 4:29:45 AM | 108900.000 | 142.278 | 21.344 |
| 324.295 | 5057.894 | 5437.591 | 2.972 |

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|---|---|---|---|
| 3.698 | 197.711 | 1.000 | 14.735 |
| 10/14/2016 4:44:45 AM | 109800.000 | 142.283 | 21.348 |
| 324.306 | 5058.232 | 5437.466 | 2.972 |
| 3.697 | 197.698 | 1.000 | 14.725 |
| 10/14/2016 4:59:45 AM | 110700.000 | 142.270 | 21.349 |
| 324.278 | 5058.639 | 5437.835 | 2.972 |
| 3.698 | 197.682 | 1.000 | 14.731 |
| 10/14/2016 5:14:45 AM | 111600.000 | 142.276 | 21.348 |
| 324.291 | 5058.888 | 5438.171 | 2.972 |
| 3.698 | 197.672 | 1.000 | 14.724 |
| 10/14/2016 5:29:45 AM | 112500.000 | 142.313 | 21.346 |
| 324.375 | 5058.474 | 5438.020 | 2.972 |
| 3.698 | 197.688 | 1.000 | 14.726 |
| 10/14/2016 5:44:45 AM | 113400.000 | 142.293 | 21.339 |
| 324.330 | 5057.368 | 5437.613 | 2.972 |
| 3.698 | 197.731 | 1.000 | 14.721 |
| 10/14/2016 5:59:45 AM | 114300.000 | 142.319 | 21.343 |
| 324.390 | 5058.804 | 5438.707 | 2.972 |
| 3.698 | 197.675 | 1.000 | 14.726 |
| 10/14/2016 6:14:45 AM | 115200.000 | 142.286 | 21.340 |
| 324.314 | 5059.277 | 5439.490 | 2.973 |
| 3.699 | 197.657 | 1.000 | 14.722 |
| 10/14/2016 6:29:45 AM | 116100.000 | 142.284 | 21.345 |
| 324.309 | 5059.639 | 5439.399 | 2.973 |
| 3.699 | 197.643 | 1.000 | 14.728 |
| 10/14/2016 6:44:45 AM | 117000.000 | 142.279 | 21.343 |
| 324.297 | 5058.330 | 5438.138 | 2.972 |
| 3.698 | 197.694 | 1.000 | 14.726 |
| 10/14/2016 6:59:45 AM | 117900.000 | 142.285 | 21.338 |
| 324.312 | 5057.664 | 5437.981 | 2.972 |
| 3.698 | 197.720 | 1.000 | 14.723 |
| 10/14/2016 7:14:45 AM | 118800.000 | 142.286 | 21.344 |
| 324.314 | 5058.030 | 5437.747 | 2.972 |
| 3.698 | 197.705 | 1.000 | 14.727 |
| 10/14/2016 7:29:45 AM | 119700.000 | 142.293 | 21.342 |
| 324.331 | 5058.312 | 5438.236 | 2.972 |
| 3.698 | 197.694 | 1.000 | 14.725 |
| 10/14/2016 7:44:45 AM | 120600.000 | 142.299 | 21.341 |
| 324.344 | 5056.956 | 5436.886 | 2.971 |
| 3.697 | 197.747 | 1.000 | 14.723 |
| 10/14/2016 7:59:45 AM | 121500.000 | 142.298 | 21.339 |
| 324.340 | 5057.005 | 5437.204 | 2.972 |
| 3.697 | 197.746 | 1.000 | 14.726 |
| 10/14/2016 8:14:45 AM | 122400.000 | 142.293 | 21.332 |
| 324.329 | 5056.166 | 5437.094 | 2.971 |
| 3.697 | 197.778 | 1.000 | 14.735 |
| 10/14/2016 8:29:45 AM | 123300.000 | 142.307 | 21.320 |
| 324.362 | 5053.896 | 5436.014 | 2.971 |
| 3.696 | 197.867 | 1.000 | 14.729 |
| 10/14/2016 8:44:45 AM | 124200.000 | 142.300 | 21.329 |
| 324.345 | 5054.578 | 5435.728 | 2.971 |
| 3.696 | 197.840 | 1.000 | 14.733 |
| 10/14/2016 8:59:45 AM | 125100.000 | 142.312 | 21.336 |
| 324.374 | 5053.741 | 5434.047 | 2.970 |
| 3.695 | 197.873 | 1.000 | 14.734 |

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|---|---|---|---|
| 10/14/2016 9:14:45 AM | 126000.000 | 142.311 | 21.335 |
| 324.371 | 5054.650 | 5435.073 | 2.970 |
| 3.696 | 197.838 | 1.000 | 14.741 |
| 10/14/2016 9:29:45 AM | 126900.000 | 142.306 | 21.341 |
| 324.360 | 5055.253 | 5435.135 | 2.970 |
| 3.696 | 197.814 | 1.000 | 14.736 |
| 10/14/2016 9:44:45 AM | 127800.000 | 142.308 | 21.333 |
| 324.364 | 5054.673 | 5435.313 | 2.970 |
| 3.696 | 197.837 | 1.000 | 14.742 |
| 10/14/2016 9:59:45 AM | 128700.000 | 142.313 | 21.331 |
| 324.374 | 5054.476 | 5435.334 | 2.970 |
| 3.696 | 197.844 | 1.000 | 14.736 |
| 10/14/2016 10:14:45 AM | 129600.000 | 142.325 | 21.337 |
| 324.403 | 5053.991 | 5434.168 | 2.970 |
| 3.695 | 197.863 | 1.000 | 14.734 |
| 10/14/2016 10:29:45 AM | 130500.000 | 142.339 | 21.334 |
| 324.435 | 5053.226 | 5433.727 | 2.969 |
| 3.695 | 197.893 | 1.000 | 14.724 |
| 10/14/2016 10:44:45 AM | 131400.000 | 142.367 | 21.333 |
| 324.498 | 5054.106 | 5434.743 | 2.970 |
| 3.696 | 197.859 | 1.000 | 14.734 |
| 10/14/2016 10:59:45 AM | 132300.000 | 142.372 | 21.329 |
| 324.509 | 5053.688 | 5434.791 | 2.970 |
| 3.696 | 197.875 | 1.000 | 14.735 |
| 10/14/2016 11:14:45 AM | 133200.000 | 142.333 | 21.340 |
| 324.420 | 5054.858 | 5434.788 | 2.970 |
| 3.696 | 197.829 | 1.000 | 14.733 |
| 10/14/2016 11:29:45 AM | 134100.000 | 142.344 | 21.332 |
| 324.445 | 5053.297 | 5433.951 | 2.970 |
| 3.695 | 197.891 | 1.000 | 14.731 |
| 10/14/2016 11:44:45 AM | 135000.000 | 142.340 | 21.333 |
| 324.437 | 5054.685 | 5435.354 | 2.970 |
| 3.696 | 197.836 | 1.000 | 14.730 |
| 10/14/2016 11:59:45 AM | 135900.000 | 142.344 | 21.337 |
| 324.446 | 5054.340 | 5434.543 | 2.970 |
| 3.695 | 197.850 | 1.000 | 14.729 |
| 10/14/2016 12:14:45 PM | 136800.000 | 142.347 | 21.332 |
| 324.453 | 5053.868 | 5434.573 | 2.970 |
| 3.696 | 197.868 | 1.000 | 14.728 |
| 10/14/2016 12:29:45 PM | 137700.000 | 142.364 | 21.338 |
| 324.491 | 5054.404 | 5434.543 | 2.970 |
| 3.695 | 197.847 | 1.000 | 14.721 |
| 10/14/2016 12:44:45 PM | 138600.000 | 142.387 | 21.345 |
| 324.545 | 5055.424 | 5434.867 | 2.970 |
| 3.696 | 197.807 | 1.000 | 14.727 |
| 10/14/2016 12:59:45 PM | 139500.000 | 142.354 | 21.343 |
| 324.468 | 5055.352 | 5434.986 | 2.970 |
| 3.696 | 197.810 | 1.000 | 14.725 |
| 10/14/2016 1:14:45 PM | 140400.000 | 142.375 | 21.338 |
| 324.517 | 5054.725 | 5434.840 | 2.970 |
| 3.696 | 197.835 | 1.000 | 14.716 |
| 10/14/2016 1:29:45 PM | 141300.000 | 142.370 | 21.339 |
| 324.505 | 5055.846 | 5435.938 | 2.971 |
| 3.696 | 197.791 | 1.000 | 14.716 |
| 10/14/2016 1:44:45 PM | 142200.000 | 142.414 | 21.341 |

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|---|---|---|---|
| 324.606 | 5055.456 | 5435.273 | 2.970 |
| 3.696 | 197.806 | 1.000 | 14.709 |
| 10/14/2016 1:59:45 PM | 143100.000 | 142.383 | 21.342 |
| 324.536 | 5056.339 | 5436.175 | 2.971 |
| 3.697 | 197.772 | 1.000 | 14.709 |
| 10/14/2016 2:14:45 PM | 144000.000 | 142.406 | 21.345 |
| 324.588 | 5055.223 | 5434.642 | 2.970 |
| 3.696 | 197.815 | 1.000 | 14.710 |
| 10/14/2016 2:29:45 PM | 144900.000 | 142.371 | 21.347 |
| 324.508 | 5056.108 | 5435.290 | 2.970 |
| 3.696 | 197.781 | 1.000 | 14.708 |
| 10/14/2016 2:44:45 PM | 145800.000 | 142.381 | 21.343 |
| 324.531 | 5055.812 | 5435.432 | 2.970 |
| 3.696 | 197.792 | 1.000 | 14.705 |
| 10/14/2016 2:59:45 PM | 146700.000 | 142.413 | 21.347 |
| 324.602 | 5056.130 | 5435.422 | 2.970 |
| 3.696 | 197.780 | 1.000 | 14.703 |
| 10/14/2016 3:14:45 PM | 147600.000 | 142.397 | 21.349 |
| 324.567 | 5056.499 | 5435.486 | 2.971 |
| 3.696 | 197.765 | 1.000 | 14.703 |
| 10/14/2016 3:29:45 PM | 148500.000 | 142.400 | 21.344 |
| 324.574 | 5056.960 | 5436.617 | 2.971 |
| 3.697 | 197.747 | 1.000 | 14.697 |
| 10/14/2016 3:44:45 PM | 149400.000 | 142.400 | 21.344 |
| 324.573 | 5057.247 | 5436.857 | 2.971 |
| 3.697 | 197.736 | 1.000 | 14.696 |
| 10/14/2016 3:59:45 PM | 150300.000 | 142.381 | 21.345 |
| 324.531 | 5057.267 | 5436.828 | 2.971 |
| 3.697 | 197.735 | 1.000 | 14.704 |
| 10/14/2016 4:14:45 PM | 151200.000 | 142.430 | 21.345 |
| 324.642 | 5057.115 | 5436.665 | 2.971 |
| 3.697 | 197.741 | 1.000 | 14.700 |
| 10/14/2016 4:29:45 PM | 152100.000 | 142.437 | 21.346 |
| 324.658 | 5056.747 | 5436.192 | 2.971 |
| 3.697 | 197.756 | 1.000 | 14.697 |
| 10/14/2016 4:44:45 PM | 153000.000 | 142.439 | 21.345 |
| 324.663 | 5057.559 | 5437.123 | 2.971 |
| 3.697 | 197.724 | 1.000 | 14.696 |
| 10/14/2016 4:59:45 PM | 153900.000 | 142.404 | 21.346 |
| 324.582 | 5057.196 | 5436.616 | 2.971 |
| 3.697 | 197.738 | 1.000 | 14.694 |
| 10/14/2016 5:14:45 PM | 154800.000 | 142.447 | 21.346 |
| 324.680 | 5057.721 | 5437.171 | 2.972 |
| 3.697 | 197.718 | 1.000 | 14.694 |
| 10/14/2016 5:29:45 PM | 155700.000 | 142.451 | 21.339 |
| 324.690 | 5056.342 | 5436.500 | 2.971 |
| 3.697 | 197.771 | 1.000 | 14.694 |
| 10/14/2016 5:44:45 PM | 156600.000 | 142.410 | 21.333 |
| 324.597 | 5056.268 | 5437.046 | 2.971 |
| 3.697 | 197.774 | 1.000 | 14.696 |
| 10/14/2016 5:59:45 PM | 157500.000 | 142.413 | 21.334 |
| 324.604 | 5055.384 | 5436.028 | 2.971 |
| 3.696 | 197.809 | 1.000 | 14.693 |
| 10/14/2016 6:14:45 PM | 158400.000 | 142.408 | 21.333 |
| 324.592 | 5055.604 | 5436.354 | 2.971 |

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|---|---|---|---|
| 3.697 | 197.800 | 1.000 | 14.699 |
| 10/14/2016 6:29:45 PM | 159300.000 | 142.410 | 21.338 |
| 324.597 | 5056.075 | 5436.282 | 2.971 |
| 3.697 | 197.782 | 1.000 | 14.696 |
| 10/14/2016 6:44:45 PM | 160200.000 | 142.420 | 21.336 |
| 324.619 | 5055.132 | 5435.494 | 2.971 |
| 3.696 | 197.819 | 1.000 | 14.695 |
| 10/14/2016 6:59:45 PM | 161100.000 | 142.412 | 21.337 |
| 324.600 | 5056.078 | 5436.451 | 2.971 |
| 3.697 | 197.782 | 1.000 | 14.697 |
| 10/14/2016 7:14:45 PM | 162000.000 | 142.430 | 21.336 |
| 324.642 | 5055.904 | 5436.323 | 2.971 |
| 3.697 | 197.789 | 1.000 | 14.699 |
| 10/14/2016 7:29:45 PM | 162900.000 | 142.402 | 21.342 |
| 324.577 | 5055.112 | 5434.855 | 2.970 |
| 3.696 | 197.820 | 1.000 | 14.709 |
| 10/14/2016 7:44:45 PM | 163800.000 | 142.418 | 21.333 |
| 324.614 | 5055.072 | 5435.819 | 2.971 |
| 3.696 | 197.821 | 1.000 | 14.702 |
| 10/14/2016 7:59:45 PM | 164700.000 | 142.418 | 21.340 |
| 324.615 | 5055.910 | 5435.957 | 2.971 |
| 3.696 | 197.788 | 1.000 | 14.705 |
| 10/14/2016 8:14:45 PM | 165600.000 | 142.411 | 21.344 |
| 324.598 | 5055.362 | 5434.860 | 2.970 |
| 3.696 | 197.810 | 1.000 | 14.705 |
| 10/14/2016 8:29:45 PM | 166500.000 | 142.466 | 21.338 |
| 324.723 | 5055.265 | 5435.392 | 2.970 |
| 3.696 | 197.814 | 1.000 | 14.699 |
| 10/14/2016 8:44:45 PM | 167400.000 | 142.429 | 21.334 |
| 324.639 | 5054.833 | 5435.446 | 2.970 |
| 3.696 | 197.830 | 1.000 | 14.705 |
| 10/14/2016 8:59:45 PM | 168300.000 | 142.459 | 21.342 |
| 324.708 | 5056.031 | 5435.853 | 2.971 |
| 3.696 | 197.784 | 1.000 | 14.703 |
| 10/14/2016 9:14:45 PM | 169200.000 | 142.467 | 21.334 |
| 324.727 | 5054.452 | 5434.997 | 2.970 |
| 3.696 | 197.845 | 1.000 | 14.707 |
| 10/14/2016 9:29:45 PM | 170100.000 | 142.439 | 21.335 |
| 324.661 | 5055.038 | 5435.558 | 2.971 |
| 3.696 | 197.822 | 1.000 | 14.705 |
| 10/14/2016 9:44:45 PM | 171000.000 | 142.500 | 21.334 |
| 324.801 | 5054.038 | 5434.590 | 2.970 |
| 3.696 | 197.862 | 1.000 | 14.709 |
| 10/14/2016 9:59:45 PM | 171900.000 | 142.472 | 21.335 |
| 324.738 | 5055.280 | 5435.809 | 2.971 |
| 3.696 | 197.813 | 1.000 | 14.711 |
| 10/14/2016 10:14:45 PM | 172800.000 | 142.444 | 21.328 |
| 324.675 | 5054.501 | 5435.685 | 2.971 |
| 3.696 | 197.843 | 1.000 | 14.703 |
| 10/14/2016 10:29:45 PM | 173700.000 | 142.438 | 21.334 |
| 324.660 | 5054.820 | 5435.442 | 2.970 |
| 3.696 | 197.831 | 1.000 | 14.708 |
| 10/14/2016 10:44:45 PM | 174600.000 | 142.438 | 21.335 |
| 324.661 | 5054.572 | 5435.077 | 2.970 |
| 3.696 | 197.841 | 1.000 | 14.714 |

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|---|---|---|---|
| 10/14/2016 10:59:45 PM | 175500.000 | 142.450 | 21.334 |
| 324.687 | 5054.457 | 5435.001 | 2.970 |
| 3.696 | 197.845 | 1.000 | 14.709 |
| 10/14/2016 11:14:45 PM | 176400.000 | 142.453 | 21.334 |
| 324.694 | 5054.920 | 5435.519 | 2.971 |
| 3.696 | 197.827 | 1.000 | 14.710 |
| 10/14/2016 11:29:45 PM | 177300.000 | 142.484 | 21.332 |
| 324.766 | 5054.538 | 5435.304 | 2.970 |
| 3.696 | 197.842 | 1.000 | 14.712 |
| 10/14/2016 11:44:45 PM | 178200.000 | 142.449 | 21.338 |
| 324.685 | 5055.972 | 5436.181 | 2.971 |
| 3.697 | 197.786 | 1.000 | 14.713 |
| 10/14/2016 11:59:45 PM | 179100.000 | 142.499 | 21.335 |
| 324.799 | 5055.668 | 5436.188 | 2.971 |
| 3.697 | 197.798 | 1.000 | 14.715 |
| 10/15/2016 12:14:45 AM | 180000.000 | 142.464 | 21.336 |
| 324.719 | 5055.763 | 5436.152 | 2.971 |
| 3.697 | 197.794 | 1.000 | 14.708 |
| 10/15/2016 12:29:45 AM | 180900.000 | 142.473 | 21.332 |
| 324.740 | 5054.452 | 5435.270 | 2.970 |
| 3.696 | 197.845 | 1.000 | 14.705 |
| 10/15/2016 12:44:45 AM | 181800.000 | 142.464 | 21.334 |
| 324.719 | 5054.120 | 5434.678 | 2.970 |
| 3.696 | 197.858 | 1.000 | 14.710 |
| 10/15/2016 12:59:45 AM | 182700.000 | 142.480 | 21.333 |
| 324.755 | 5055.093 | 5435.862 | 2.971 |
| 3.696 | 197.820 | 1.000 | 14.702 |
| 10/15/2016 1:14:45 AM | 183600.000 | 142.472 | 21.330 |
| 324.738 | 5054.835 | 5435.878 | 2.971 |
| 3.696 | 197.830 | 1.000 | 14.708 |
| 10/15/2016 1:29:45 AM | 184500.000 | 142.475 | 21.336 |
| 324.744 | 5055.509 | 5435.909 | 2.971 |
| 3.696 | 197.804 | 1.000 | 14.709 |
| 10/15/2016 1:44:45 AM | 185400.000 | 142.480 | 21.337 |
| 324.756 | 5056.568 | 5436.900 | 2.971 |
| 3.697 | 197.763 | 1.000 | 14.707 |
| 10/15/2016 1:59:45 AM | 186300.000 | 142.491 | 21.339 |
| 324.782 | 5056.200 | 5436.338 | 2.971 |
| 3.697 | 197.777 | 1.000 | 14.706 |
| 10/15/2016 2:14:45 AM | 187200.000 | 142.527 | 21.339 |
| 324.862 | 5056.599 | 5436.786 | 2.971 |
| 3.697 | 197.761 | 1.000 | 14.713 |
| 10/15/2016 2:29:45 AM | 188100.000 | 142.486 | 21.334 |
| 324.769 | 5056.475 | 5437.201 | 2.972 |
| 3.697 | 197.766 | 1.000 | 14.711 |
| 10/15/2016 2:44:45 AM | 189000.000 | 142.501 | 21.339 |
| 324.804 | 5056.086 | 5436.216 | 2.971 |
| 3.697 | 197.781 | 1.000 | 14.703 |
| 10/15/2016 2:59:45 AM | 189900.000 | 142.503 | 21.338 |
| 324.809 | 5056.675 | 5436.986 | 2.971 |
| 3.697 | 197.758 | 1.000 | 14.706 |
| 10/15/2016 3:14:45 AM | 190800.000 | 142.535 | 21.336 |
| 324.882 | 5056.002 | 5436.498 | 2.971 |
| 3.697 | 197.785 | 1.000 | 14.704 |
| 10/15/2016 3:29:45 AM | 191700.000 | 142.505 | 21.334 |

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|---|---|---|---|
| 324.813 | 5056.832 | 5437.536 | 2.972 |
| 3.698 | 197.752 | 1.000 | 14.707 |
| 10/15/2016 3:44:45 AM | 192600.000 | 142.506 | 21.335 |
| 324.816 | 5056.625 | 5437.285 | 2.972 |
| 3.697 | 197.760 | 1.000 | 14.706 |
| 10/15/2016 3:59:45 AM | 193500.000 | 142.502 | 21.336 |
| 324.806 | 5057.168 | 5437.732 | 2.972 |
| 3.698 | 197.739 | 1.000 | 14.704 |
| 10/15/2016 4:14:45 AM | 194400.000 | 142.507 | 21.338 |
| 324.818 | 5057.559 | 5437.907 | 2.972 |
| 3.698 | 197.724 | 1.000 | 14.700 |
| 10/15/2016 4:29:45 AM | 195300.000 | 142.518 | 21.334 |
| 324.842 | 5057.143 | 5437.899 | 2.972 |
| 3.698 | 197.740 | 1.000 | 14.693 |
| 10/15/2016 4:44:45 AM | 196200.000 | 142.510 | 21.333 |
| 324.824 | 5056.471 | 5437.324 | 2.972 |
| 3.697 | 197.766 | 1.000 | 14.693 |
| 10/15/2016 4:59:45 AM | 197100.000 | 142.551 | 21.324 |
| 324.918 | 5056.070 | 5437.871 | 2.972 |
| 3.698 | 197.782 | 1.000 | 14.697 |
| 10/15/2016 5:14:45 AM | 198000.000 | 142.516 | 21.335 |
| 324.837 | 5056.537 | 5437.122 | 2.971 |
| 3.697 | 197.764 | 1.000 | 14.697 |
| 10/15/2016 5:29:45 AM | 198900.000 | 142.510 | 21.329 |
| 324.824 | 5055.583 | 5436.828 | 2.971 |
| 3.697 | 197.801 | 1.000 | 14.701 |
| 10/15/2016 5:44:45 AM | 199800.000 | 142.516 | 21.327 |
| 324.839 | 5056.026 | 5437.482 | 2.972 |
| 3.697 | 197.784 | 1.000 | 14.696 |
| 10/15/2016 5:59:45 AM | 200700.000 | 142.513 | 21.331 |
| 324.832 | 5056.244 | 5437.285 | 2.972 |
| 3.697 | 197.775 | 1.000 | 14.700 |
| 10/15/2016 6:14:45 AM | 201600.000 | 142.562 | 21.328 |
| 324.943 | 5056.661 | 5438.047 | 2.972 |
| 3.698 | 197.759 | 1.000 | 14.708 |
| 10/15/2016 6:29:45 AM | 202500.000 | 142.523 | 21.326 |
| 324.855 | 5056.061 | 5437.588 | 2.972 |
| 3.698 | 197.782 | 1.000 | 14.707 |
| 10/15/2016 6:44:45 AM | 203400.000 | 142.529 | 21.328 |
| 324.867 | 5056.414 | 5437.791 | 2.972 |
| 3.698 | 197.769 | 1.000 | 14.701 |
| 10/15/2016 6:59:45 AM | 204300.000 | 142.527 | 21.328 |
| 324.864 | 5057.224 | 5438.652 | 2.972 |
| 3.698 | 197.737 | 1.000 | 14.705 |
| 10/15/2016 7:14:45 AM | 205200.000 | 142.521 | 21.336 |
| 324.850 | 5057.941 | 5438.504 | 2.972 |
| 3.698 | 197.709 | 1.000 | 14.706 |
| 10/15/2016 7:29:45 AM | 206100.000 | 142.529 | 21.330 |
| 324.867 | 5058.031 | 5439.345 | 2.973 |
| 3.699 | 197.705 | 1.000 | 14.701 |
| 10/15/2016 7:44:45 AM | 207000.000 | 142.530 | 21.328 |
| 324.870 | 5057.654 | 5439.146 | 2.973 |
| 3.699 | 197.720 | 1.000 | 14.702 |
| 10/15/2016 7:59:45 AM | 207900.000 | 142.561 | 21.327 |
| 324.940 | 5057.687 | 5439.229 | 2.973 |

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|---|---|---|---|
| 3.699 | 197.719 | 1.000 | 14.703 |
| 10/15/2016 8:14:45 AM | 208800.000 | 142.528 | 21.330 |
| 324.864 | 5059.211 | 5440.594 | 2.973 |
| 3.700 | 197.659 | 1.000 | 14.702 |
| 10/15/2016 8:29:45 AM | 209700.000 | 142.537 | 21.335 |
| 324.886 | 5059.604 | 5440.477 | 2.973 |
| 3.700 | 197.644 | 1.000 | 14.698 |
| 10/15/2016 8:44:45 AM | 210600.000 | 142.536 | 21.339 |
| 324.883 | 5060.596 | 5441.055 | 2.974 |
| 3.700 | 197.605 | 1.000 | 14.697 |
| 10/15/2016 8:59:45 AM | 211500.000 | 142.573 | 21.340 |
| 324.968 | 5061.364 | 5441.783 | 2.974 |
| 3.700 | 197.575 | 1.000 | 14.704 |
| 10/15/2016 9:14:45 AM | 212400.000 | 142.546 | 21.334 |
| 324.907 | 5060.515 | 5441.516 | 2.974 |
| 3.700 | 197.608 | 1.000 | 14.704 |
| 10/15/2016 9:29:45 AM | 213300.000 | 142.584 | 21.335 |
| 324.993 | 5061.595 | 5442.541 | 2.975 |
| 3.701 | 197.566 | 1.000 | 14.705 |
| 10/15/2016 9:44:45 AM | 214200.000 | 142.543 | 21.326 |
| 324.899 | 5060.611 | 5442.520 | 2.975 |
| 3.701 | 197.605 | 1.000 | 14.711 |
| 10/15/2016 9:59:45 AM | 215100.000 | 142.551 | 21.325 |
| 324.917 | 5060.269 | 5442.310 | 2.974 |
| 3.701 | 197.618 | 1.000 | 14.711 |
| 10/15/2016 10:14:45 AM | 216000.000 | 142.551 | 21.326 |
| 324.917 | 5061.039 | 5442.990 | 2.975 |
| 3.701 | 197.588 | 1.000 | 14.711 |
| 10/15/2016 10:29:45 AM | 216900.000 | 142.551 | 21.335 |
| 324.917 | 5062.516 | 5443.627 | 2.975 |
| 3.702 | 197.530 | 1.000 | 14.712 |
| 10/15/2016 10:44:45 AM | 217800.000 | 142.556 | 21.338 |
| 324.929 | 5062.982 | 5443.748 | 2.975 |
| 3.702 | 197.512 | 1.000 | 14.710 |
| 10/15/2016 10:59:45 AM | 218700.000 | 142.563 | 21.333 |
| 324.945 | 5063.209 | 5444.580 | 2.976 |
| 3.702 | 197.503 | 1.000 | 14.709 |
| 10/15/2016 11:14:45 AM | 219600.000 | 142.558 | 21.331 |
| 324.933 | 5064.190 | 5445.771 | 2.976 |
| 3.703 | 197.465 | 1.000 | 14.710 |
| 10/15/2016 11:29:45 AM | 220500.000 | 142.559 | 21.334 |
| 324.936 | 5064.516 | 5445.798 | 2.977 |
| 3.703 | 197.452 | 1.000 | 14.703 |
| 10/15/2016 11:44:45 AM | 221400.000 | 142.577 | 21.335 |
| 324.976 | 5063.698 | 5444.879 | 2.976 |
| 3.703 | 197.484 | 1.000 | 14.699 |
| 10/15/2016 11:59:45 AM | 222300.000 | 142.573 | 21.334 |
| 324.967 | 5064.863 | 5446.161 | 2.977 |
| 3.703 | 197.439 | 1.000 | 14.698 |
| 10/15/2016 12:14:45 PM | 223200.000 | 142.615 | 21.337 |
| 325.063 | 5064.686 | 5445.638 | 2.976 |
| 3.703 | 197.446 | 1.000 | 14.694 |
| 10/15/2016 12:29:45 PM | 224100.000 | 142.579 | 21.336 |
| 324.981 | 5064.542 | 5445.660 | 2.976 |
| 3.703 | 197.451 | 1.000 | 14.693 |

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|---|---|---|---|
| 10/15/2016 12:44:45 PM | 225000.000 | 142.616 | 21.332 |
| 325.066 | 5064.986 | 5446.511 | 2.977 |
| 3.704 | 197.434 | 1.000 | 14.693 |
| 10/15/2016 12:59:45 PM | 225900.000 | 142.589 | 21.332 |
| 325.005 | 5066.187 | 5447.831 | 2.978 |
| 3.705 | 197.387 | 1.000 | 14.689 |
| 10/15/2016 1:14:45 PM | 226800.000 | 142.589 | 21.331 |
| 325.005 | 5066.388 | 5448.193 | 2.978 |
| 3.705 | 197.379 | 1.000 | 14.677 |
| 10/15/2016 1:29:45 PM | 227700.000 | 142.589 | 21.337 |
| 325.005 | 5066.991 | 5448.194 | 2.978 |
| 3.705 | 197.356 | 1.000 | 14.677 |
| 10/15/2016 1:44:45 PM | 228600.000 | 142.597 | 21.331 |
| 325.022 | 5066.215 | 5448.018 | 2.978 |
| 3.705 | 197.386 | 1.000 | 14.672 |
| 10/15/2016 1:59:45 PM | 229500.000 | 142.596 | 21.337 |
| 325.021 | 5066.698 | 5447.850 | 2.978 |
| 3.705 | 197.367 | 1.000 | 14.670 |
| 10/15/2016 2:14:45 PM | 230400.000 | 142.565 | 21.334 |
| 324.950 | 5067.701 | 5449.262 | 2.979 |
| 3.705 | 197.328 | 1.000 | 14.667 |
| 10/15/2016 2:29:45 PM | 231300.000 | 142.609 | 21.336 |
| 325.050 | 5067.347 | 5448.677 | 2.978 |
| 3.705 | 197.342 | 1.000 | 14.659 |
| 10/15/2016 2:44:45 PM | 232200.000 | 142.608 | 21.337 |
| 325.048 | 5067.834 | 5449.033 | 2.978 |
| 3.705 | 197.323 | 1.000 | 14.651 |
| 10/15/2016 2:59:45 PM | 233100.000 | 142.602 | 21.336 |
| 325.034 | 5068.016 | 5449.396 | 2.979 |
| 3.706 | 197.316 | 1.000 | 14.659 |
| 10/15/2016 3:14:45 PM | 234000.000 | 142.599 | 21.333 |
| 325.028 | 5069.055 | 5450.827 | 2.979 |
| 3.707 | 197.275 | 1.000 | 14.664 |
| 10/15/2016 3:29:45 PM | 234900.000 | 142.602 | 21.332 |
| 325.035 | 5069.665 | 5451.571 | 2.980 |
| 3.707 | 197.252 | 1.000 | 14.663 |
| 10/15/2016 3:44:45 PM | 235800.000 | 142.601 | 21.335 |
| 325.033 | 5069.514 | 5451.065 | 2.980 |
| 3.707 | 197.258 | 1.000 | 14.660 |
| 10/15/2016 3:59:45 PM | 236700.000 | 142.610 | 21.336 |
| 325.053 | 5069.859 | 5451.367 | 2.980 |
| 3.707 | 197.244 | 1.000 | 14.655 |
| 10/15/2016 4:14:45 PM | 237600.000 | 142.615 | 21.335 |
| 325.062 | 5070.671 | 5452.339 | 2.980 |
| 3.708 | 197.213 | 1.000 | 14.659 |
| 10/15/2016 4:29:45 PM | 238500.000 | 142.573 | 21.329 |
| 324.969 | 5069.706 | 5451.938 | 2.980 |
| 3.707 | 197.250 | 1.000 | 14.669 |
| 10/15/2016 4:44:45 PM | 239400.000 | 142.606 | 21.327 |
| 325.042 | 5069.918 | 5452.402 | 2.980 |
| 3.708 | 197.242 | 1.000 | 14.674 |
| 10/15/2016 4:59:45 PM | 240300.000 | 142.638 | 21.329 |
| 325.116 | 5071.024 | 5453.445 | 2.981 |
| 3.708 | 197.199 | 1.000 | 14.667 |
| 10/15/2016 5:14:45 PM | 241200.000 | 142.639 | 21.329 |

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|---|---|---|---|
| 325.118 | 5071.307 | 5453.718 | 2.981 |
| 3.709 | 197.188 | 1.000 | 14.668 |
| 10/15/2016 5:29:45 PM | 242100.000 | 142.595 | 21.336 |
| 325.018 | 5072.569 | 5454.252 | 2.981 |
| 3.709 | 197.139 | 1.000 | 14.670 |
| 10/15/2016 5:44:45 PM | 243000.000 | 142.590 | 21.339 |
| 325.008 | 5072.571 | 5453.890 | 2.981 |
| 3.709 | 197.139 | 1.000 | 14.669 |
| 10/15/2016 5:59:45 PM | 243900.000 | 142.588 | 21.331 |
| 325.001 | 5072.385 | 5454.614 | 2.982 |
| 3.709 | 197.146 | 1.000 | 14.664 |
| 10/15/2016 6:14:45 PM | 244800.000 | 142.601 | 21.336 |
| 325.032 | 5073.557 | 5455.364 | 2.982 |
| 3.710 | 197.100 | 1.000 | 14.659 |
| 10/15/2016 6:29:45 PM | 245700.000 | 142.629 | 21.336 |
| 325.096 | 5073.639 | 5455.442 | 2.982 |
| 3.710 | 197.097 | 1.000 | 14.660 |
| 10/15/2016 6:44:45 PM | 246600.000 | 142.593 | 21.338 |
| 325.014 | 5075.040 | 5456.722 | 2.983 |
| 3.711 | 197.043 | 1.000 | 14.663 |
| 10/15/2016 6:59:45 PM | 247500.000 | 142.595 | 21.325 |
| 325.018 | 5073.252 | 5456.185 | 2.983 |
| 3.710 | 197.112 | 1.000 | 14.662 |
| 10/15/2016 7:14:45 PM | 248400.000 | 142.598 | 21.324 |
| 325.024 | 5072.825 | 5455.862 | 2.982 |
| 3.710 | 197.129 | 1.000 | 14.660 |
| 10/15/2016 7:29:45 PM | 249300.000 | 142.598 | 21.332 |
| 325.024 | 5074.666 | 5456.929 | 2.983 |
| 3.711 | 197.057 | 1.000 | 14.655 |
| 10/15/2016 7:44:45 PM | 250200.000 | 142.590 | 21.337 |
| 325.006 | 5075.985 | 5457.836 | 2.984 |
| 3.711 | 197.006 | 1.000 | 14.662 |
| 10/15/2016 7:59:45 PM | 251100.000 | 142.622 | 21.333 |
| 325.079 | 5076.287 | 5458.613 | 2.984 |
| 3.712 | 196.994 | 1.000 | 14.667 |
| 10/15/2016 8:14:45 PM | 252000.000 | 142.613 | 21.333 |
| 325.060 | 5076.407 | 5458.743 | 2.984 |
| 3.712 | 196.990 | 1.000 | 14.666 |
| 10/15/2016 8:29:45 PM | 252900.000 | 142.577 | 21.334 |
| 324.978 | 5077.563 | 5459.916 | 2.985 |
| 3.713 | 196.945 | 1.000 | 14.670 |
| 10/15/2016 8:44:45 PM | 253800.000 | 142.655 | 21.333 |
| 325.156 | 5076.308 | 5458.586 | 2.984 |
| 3.712 | 196.994 | 1.000 | 14.663 |
| 10/15/2016 8:59:45 PM | 254700.000 | 142.574 | 21.334 |
| 324.971 | 5076.417 | 5458.625 | 2.984 |
| 3.712 | 196.989 | 1.000 | 14.672 |
| 10/15/2016 9:14:45 PM | 255600.000 | 142.585 | 21.335 |
| 324.995 | 5078.054 | 5460.326 | 2.985 |
| 3.713 | 196.926 | 1.000 | 14.670 |
| 10/15/2016 9:29:45 PM | 256500.000 | 142.596 | 21.334 |
| 325.021 | 5077.742 | 5460.099 | 2.985 |
| 3.713 | 196.938 | 1.000 | 14.665 |
| 10/15/2016 9:44:45 PM | 257400.000 | 142.593 | 21.336 |
| 325.013 | 5077.922 | 5459.978 | 2.985 |

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|---|---|---|---|
| 3.713 | 196.931 | 1.000 | 14.669 |
| 10/15/2016 9:59:45 PM | 258300.000 | 142.620 | 21.336 |
| 325.076 | 5078.433 | 5460.586 | 2.985 |
| 3.713 | 196.911 | 1.000 | 14.679 |
| 10/15/2016 10:14:45 PM | 259200.000 | 142.625 | 21.337 |
| 325.086 | 5078.715 | 5460.820 | 2.985 |
| 3.713 | 196.900 | 1.000 | 14.672 |
| 10/15/2016 10:29:45 PM | 260100.000 | 142.631 | 21.330 |
| 325.100 | 5078.572 | 5461.356 | 2.986 |
| 3.714 | 196.906 | 1.000 | 14.669 |
| 10/15/2016 10:44:45 PM | 261000.000 | 142.631 | 21.330 |
| 325.101 | 5079.247 | 5462.169 | 2.986 |
| 3.714 | 196.880 | 1.000 | 14.672 |
| 10/15/2016 10:59:45 PM | 261900.000 | 142.598 | 21.332 |
| 325.025 | 5078.713 | 5461.340 | 2.986 |
| 3.714 | 196.900 | 1.000 | 14.670 |
| 10/15/2016 11:14:45 PM | 262800.000 | 142.568 | 21.329 |
| 324.957 | 5079.946 | 5463.000 | 2.987 |
| 3.715 | 196.852 | 1.000 | 14.671 |
| 10/15/2016 11:29:45 PM | 263700.000 | 142.613 | 21.326 |
| 325.059 | 5080.150 | 5463.523 | 2.987 |
| 3.715 | 196.845 | 1.000 | 14.675 |
| 10/15/2016 11:44:45 PM | 264600.000 | 142.608 | 21.328 |
| 325.047 | 5080.443 | 5463.604 | 2.987 |
| 3.715 | 196.833 | 1.000 | 14.677 |
| 10/15/2016 11:59:45 PM | 265500.000 | 142.611 | 21.328 |
| 325.055 | 5081.520 | 5464.742 | 2.988 |
| 3.716 | 196.792 | 1.000 | 14.678 |
| 10/16/2016 12:14:45 AM | 266400.000 | 142.615 | 21.325 |
| 325.063 | 5081.407 | 5465.003 | 2.988 |
| 3.716 | 196.796 | 1.000 | 14.677 |
| 10/16/2016 12:29:45 AM | 267300.000 | 142.617 | 21.327 |
| 325.068 | 5081.266 | 5464.607 | 2.987 |
| 3.716 | 196.801 | 1.000 | 14.681 |
| 10/16/2016 12:44:45 AM | 268200.000 | 142.612 | 21.325 |
| 325.056 | 5081.351 | 5464.895 | 2.988 |
| 3.716 | 196.798 | 1.000 | 14.684 |
| 10/16/2016 12:59:45 AM | 269100.000 | 142.656 | 21.327 |
| 325.157 | 5083.406 | 5466.898 | 2.989 |
| 3.717 | 196.718 | 1.000 | 14.683 |
| 10/16/2016 1:14:45 AM | 270000.000 | 142.618 | 21.332 |
| 325.071 | 5084.791 | 5467.875 | 2.989 |
| 3.718 | 196.665 | 1.000 | 14.680 |
| 10/16/2016 1:29:45 AM | 270900.000 | 142.624 | 21.329 |
| 325.084 | 5085.019 | 5468.484 | 2.990 |
| 3.719 | 196.656 | 1.000 | 14.682 |
| 10/16/2016 1:44:45 AM | 271800.000 | 142.631 | 21.329 |
| 325.100 | 5084.523 | 5467.883 | 2.989 |
| 3.718 | 196.675 | 1.000 | 14.682 |
| 10/16/2016 1:59:45 AM | 272700.000 | 142.627 | 21.329 |
| 325.092 | 5085.189 | 5468.579 | 2.990 |
| 3.719 | 196.650 | 1.000 | 14.686 |
| 10/16/2016 2:14:45 AM | 273600.000 | 142.631 | 21.333 |
| 325.100 | 5085.971 | 5469.027 | 2.990 |
| 3.719 | 196.619 | 1.000 | 14.684 |

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|---|---|---|---|
| 10/16/2016 2:29:45 AM | 274500.000 | 142.643 | 21.333 |
| 325.128 | 5087.259 | 5470.381 | 2.991 |
| 3.720 | 196.570 | 1.000 | 14.682 |
| 10/16/2016 2:44:45 AM | 275400.000 | 142.641 | 21.338 |
| 325.122 | 5086.231 | 5468.686 | 2.990 |
| 3.719 | 196.609 | 1.000 | 14.684 |
| 10/16/2016 2:59:45 AM | 276300.000 | 142.651 | 21.337 |
| 325.145 | 5087.951 | 5470.722 | 2.991 |
| 3.720 | 196.543 | 1.000 | 14.678 |
| 10/16/2016 3:14:45 AM | 277200.000 | 142.650 | 21.336 |
| 325.143 | 5086.963 | 5469.758 | 2.990 |
| 3.719 | 196.581 | 1.000 | 14.681 |
| 10/16/2016 3:29:45 AM | 278100.000 | 142.663 | 21.336 |
| 325.173 | 5088.382 | 5471.314 | 2.991 |
| 3.720 | 196.526 | 1.000 | 14.673 |
| 10/16/2016 3:44:45 AM | 279000.000 | 142.673 | 21.326 |
| 325.196 | 5086.746 | 5470.647 | 2.991 |
| 3.720 | 196.589 | 1.000 | 14.673 |
| 10/16/2016 3:59:45 AM | 279900.000 | 142.669 | 21.325 |
| 325.187 | 5086.888 | 5470.890 | 2.991 |
| 3.720 | 196.584 | 1.000 | 14.674 |
| 10/16/2016 4:14:45 AM | 280800.000 | 142.668 | 21.336 |
| 325.185 | 5088.527 | 5471.470 | 2.991 |
| 3.721 | 196.521 | 1.000 | 14.674 |
| 10/16/2016 4:29:45 AM | 281700.000 | 142.717 | 21.332 |
| 325.295 | 5088.391 | 5471.736 | 2.992 |
| 3.721 | 196.526 | 1.000 | 14.669 |
| 10/16/2016 4:44:45 AM | 282600.000 | 142.677 | 21.334 |
| 325.204 | 5088.591 | 5471.756 | 2.992 |
| 3.721 | 196.518 | 1.000 | 14.672 |
| 10/16/2016 4:59:45 AM | 283500.000 | 142.684 | 21.337 |
| 325.221 | 5088.769 | 5471.572 | 2.992 |
| 3.721 | 196.511 | 1.000 | 14.672 |
| 10/16/2016 5:14:45 AM | 284400.000 | 142.686 | 21.337 |
| 325.226 | 5088.636 | 5471.468 | 2.991 |
| 3.721 | 196.516 | 1.000 | 14.673 |
| 10/16/2016 5:29:45 AM | 285300.000 | 142.690 | 21.332 |
| 325.234 | 5089.638 | 5473.117 | 2.992 |
| 3.722 | 196.478 | 1.000 | 14.669 |
| 10/16/2016 5:44:45 AM | 286200.000 | 142.677 | 21.335 |
| 325.204 | 5089.970 | 5473.100 | 2.992 |
| 3.722 | 196.465 | 1.000 | 14.677 |
| 10/16/2016 5:59:45 AM | 287100.000 | 142.691 | 21.337 |
| 325.237 | 5089.206 | 5472.090 | 2.992 |
| 3.721 | 196.494 | 1.000 | 14.669 |
| 10/16/2016 6:14:45 AM | 288000.000 | 142.698 | 21.332 |
| 325.252 | 5090.137 | 5473.556 | 2.993 |
| 3.722 | 196.458 | 1.000 | 14.668 |
| 10/16/2016 6:29:45 AM | 288900.000 | 142.696 | 21.337 |
| 325.248 | 5090.186 | 5473.134 | 2.992 |
| 3.722 | 196.456 | 1.000 | 14.668 |
| 10/16/2016 6:44:45 AM | 289800.000 | 142.692 | 21.333 |
| 325.240 | 5090.725 | 5474.088 | 2.993 |
| 3.722 | 196.436 | 1.000 | 14.675 |
| 10/16/2016 6:59:45 AM | 290700.000 | 142.699 | 21.337 |

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|---|---|---|---|
| 325.256 | 5092.624 | 5475.766 | 2.994 |
| 3.724 | 196.362 | 1.000 | 14.668 |
| 10/16/2016 7:14:45 AM | 291600.000 | 142.694 | 21.330 |
| 325.244 | 5091.498 | 5475.304 | 2.994 |
| 3.723 | 196.406 | 1.000 | 14.671 |
| 10/16/2016 7:29:45 AM | 292500.000 | 142.709 | 21.330 |
| 325.278 | 5091.824 | 5475.656 | 2.994 |
| 3.723 | 196.393 | 1.000 | 14.669 |
| 10/16/2016 7:44:45 AM | 293400.000 | 142.720 | 21.332 |
| 325.302 | 5091.012 | 5474.584 | 2.993 |
| 3.723 | 196.425 | 1.000 | 14.666 |
| 10/16/2016 7:59:45 AM | 294300.000 | 142.714 | 21.339 |
| 325.289 | 5092.553 | 5475.414 | 2.994 |
| 3.723 | 196.365 | 1.000 | 14.662 |
| 10/16/2016 8:14:45 AM | 295200.000 | 142.716 | 21.340 |
| 325.295 | 5093.578 | 5476.369 | 2.994 |
| 3.724 | 196.326 | 1.000 | 14.661 |
| 10/16/2016 8:29:45 AM | 296100.000 | 142.725 | 21.339 |
| 325.314 | 5093.084 | 5475.986 | 2.994 |
| 3.724 | 196.345 | 1.000 | 14.667 |
| 10/16/2016 8:44:45 AM | 297000.000 | 142.714 | 21.339 |
| 325.289 | 5092.689 | 5475.620 | 2.994 |
| 3.723 | 196.360 | 1.000 | 14.668 |
| 10/16/2016 8:59:45 AM | 297900.000 | 142.766 | 21.332 |
| 325.407 | 5092.760 | 5476.455 | 2.994 |
| 3.724 | 196.357 | 1.000 | 14.662 |
| 10/16/2016 9:14:45 AM | 298800.000 | 142.728 | 21.335 |
| 325.322 | 5093.803 | 5477.211 | 2.995 |
| 3.725 | 196.317 | 1.000 | 14.661 |
| 10/16/2016 9:29:45 AM | 299700.000 | 142.735 | 21.335 |
| 325.337 | 5092.520 | 5475.813 | 2.994 |
| 3.724 | 196.366 | 1.000 | 14.664 |
| 10/16/2016 9:44:45 AM | 300600.000 | 142.737 | 21.335 |
| 325.341 | 5093.131 | 5476.547 | 2.994 |
| 3.724 | 196.343 | 1.000 | 14.663 |
| 10/16/2016 9:59:45 AM | 301500.000 | 142.773 | 21.334 |
| 325.424 | 5094.278 | 5477.871 | 2.995 |
| 3.725 | 196.299 | 1.000 | 14.664 |
| 10/16/2016 10:14:45 AM | 302400.000 | 142.776 | 21.340 |
| 325.430 | 5095.989 | 5479.039 | 2.996 |
| 3.726 | 196.233 | 1.000 | 14.665 |
| 10/16/2016 10:29:45 AM | 303300.000 | 142.780 | 21.337 |
| 325.440 | 5095.425 | 5478.718 | 2.996 |
| 3.726 | 196.254 | 1.000 | 14.660 |
| 10/16/2016 10:44:45 AM | 304200.000 | 142.755 | 21.332 |
| 325.382 | 5095.950 | 5479.845 | 2.996 |
| 3.726 | 196.234 | 1.000 | 14.659 |
| 10/16/2016 10:59:45 AM | 305100.000 | 142.759 | 21.330 |
| 325.392 | 5095.466 | 5479.562 | 2.996 |
| 3.726 | 196.253 | 1.000 | 14.660 |
| 10/16/2016 11:14:45 AM | 306000.000 | 142.754 | 21.333 |
| 325.381 | 5095.725 | 5479.535 | 2.996 |
| 3.726 | 196.243 | 1.000 | 14.658 |
| 10/16/2016 11:29:45 AM | 306900.000 | 142.758 | 21.341 |
| 325.390 | 5095.847 | 5478.788 | 2.996 |

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|---|---|---|---|
| 3.726 | 196.238 | 1.000 | 14.658 |
| 10/16/2016 11:44:45 AM | 307800.000 | 142.832 | 21.336 |
| 325.557 | 5096.653 | 5480.128 | 2.997 |
| 3.726 | 196.207 | 1.000 | 14.659 |
| 10/16/2016 11:59:45 AM | 308700.000 | 142.768 | 21.340 |
| 325.412 | 5097.030 | 5480.100 | 2.997 |
| 3.726 | 196.193 | 1.000 | 14.653 |
| 10/16/2016 12:14:45 PM | 309600.000 | 142.784 | 21.334 |
| 325.449 | 5096.258 | 5479.979 | 2.996 |
| 3.726 | 196.222 | 1.000 | 14.647 |
| 10/16/2016 12:29:45 PM | 310500.000 | 142.788 | 21.335 |
| 325.458 | 5096.622 | 5480.282 | 2.997 |
| 3.727 | 196.208 | 1.000 | 14.652 |
| 10/16/2016 12:44:45 PM | 311400.000 | 142.783 | 21.334 |
| 325.445 | 5096.667 | 5480.448 | 2.997 |
| 3.727 | 196.207 | 1.000 | 14.653 |
| 10/16/2016 12:59:45 PM | 312300.000 | 142.812 | 21.337 |
| 325.513 | 5096.904 | 5480.290 | 2.997 |
| 3.727 | 196.198 | 1.000 | 14.652 |
| 10/16/2016 1:14:45 PM | 313200.000 | 142.792 | 21.333 |
| 325.467 | 5097.190 | 5481.060 | 2.997 |
| 3.727 | 196.187 | 1.000 | 14.645 |
| 10/16/2016 1:29:45 PM | 314100.000 | 142.786 | 21.333 |
| 325.453 | 5097.828 | 5481.786 | 2.997 |
| 3.728 | 196.162 | 1.000 | 14.654 |
| 10/16/2016 1:44:45 PM | 315000.000 | 142.800 | 21.337 |
| 325.486 | 5098.132 | 5481.688 | 2.997 |
| 3.728 | 196.150 | 1.000 | 14.641 |
| 10/16/2016 1:59:45 PM | 315900.000 | 142.802 | 21.334 |
| 325.490 | 5098.305 | 5482.150 | 2.998 |
| 3.728 | 196.144 | 1.000 | 14.636 |
| 10/16/2016 2:14:45 PM | 316800.000 | 142.808 | 21.334 |
| 325.504 | 5098.953 | 5482.818 | 2.998 |
| 3.728 | 196.119 | 1.000 | 14.632 |
| 10/16/2016 2:29:45 PM | 317700.000 | 142.815 | 21.334 |
| 325.518 | 5098.055 | 5481.951 | 2.998 |
| 3.728 | 196.153 | 1.000 | 14.630 |
| 10/16/2016 2:44:45 PM | 318600.000 | 142.819 | 21.332 |
| 325.529 | 5098.168 | 5482.280 | 2.998 |
| 3.728 | 196.149 | 1.000 | 14.636 |
| 10/16/2016 2:59:45 PM | 319500.000 | 142.820 | 21.327 |
| 325.531 | 5097.681 | 5482.309 | 2.998 |
| 3.728 | 196.168 | 1.000 | 14.631 |
| 10/16/2016 3:14:45 PM | 320400.000 | 142.821 | 21.332 |
| 325.534 | 5098.406 | 5482.526 | 2.998 |
| 3.728 | 196.140 | 1.000 | 14.638 |
| 10/16/2016 3:29:45 PM | 321300.000 | 142.826 | 21.336 |
| 325.544 | 5099.190 | 5482.936 | 2.998 |
| 3.728 | 196.110 | 1.000 | 14.633 |
| 10/16/2016 3:44:45 PM | 322200.000 | 142.793 | 21.334 |
| 325.470 | 5098.781 | 5482.692 | 2.998 |
| 3.728 | 196.125 | 1.000 | 14.635 |
| 10/16/2016 3:59:45 PM | 323100.000 | 142.912 | 21.334 |
| 325.740 | 5098.741 | 5482.639 | 2.998 |
| 3.728 | 196.127 | 1.000 | 14.631 |

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|---|---|---|---|
| 10/16/2016 4:14:45 PM | 324000.000 | 142.831 | 21.332 |
| 325.556 | 5099.227 | 5483.399 | 2.998 |
| 3.729 | 196.108 | 1.000 | 14.634 |
| 10/16/2016 4:29:45 PM | 324900.000 | 142.834 | 21.328 |
| 325.562 | 5098.178 | 5482.726 | 2.998 |
| 3.728 | 196.148 | 1.000 | 14.639 |
| 10/16/2016 4:44:45 PM | 325800.000 | 142.867 | 21.331 |
| 325.638 | 5098.871 | 5483.065 | 2.998 |
| 3.728 | 196.122 | 1.000 | 14.639 |
| 10/16/2016 4:59:45 PM | 326700.000 | 142.835 | 21.339 |
| 325.565 | 5100.056 | 5483.511 | 2.998 |
| 3.729 | 196.076 | 1.000 | 14.639 |
| 10/16/2016 5:14:45 PM | 327600.000 | 142.832 | 21.335 |
| 325.559 | 5099.950 | 5483.831 | 2.999 |
| 3.729 | 196.080 | 1.000 | 14.644 |
| 10/16/2016 5:29:45 PM | 328500.000 | 142.828 | 21.335 |
| 325.550 | 5100.083 | 5483.983 | 2.999 |
| 3.729 | 196.075 | 1.000 | 14.652 |
| 10/16/2016 5:44:45 PM | 329400.000 | 142.824 | 21.333 |
| 325.540 | 5099.919 | 5483.965 | 2.999 |
| 3.729 | 196.082 | 1.000 | 14.652 |
| 10/16/2016 5:59:45 PM | 330300.000 | 142.839 | 21.332 |
| 325.575 | 5099.020 | 5483.176 | 2.998 |
| 3.729 | 196.116 | 1.000 | 14.650 |
| 10/16/2016 6:14:45 PM | 331200.000 | 142.836 | 21.333 |
| 325.566 | 5099.465 | 5483.576 | 2.999 |
| 3.729 | 196.099 | 1.000 | 14.653 |
| 10/16/2016 6:29:45 PM | 332100.000 | 142.848 | 21.329 |
| 325.595 | 5099.561 | 5484.083 | 2.999 |
| 3.729 | 196.095 | 1.000 | 14.652 |
| 10/16/2016 6:44:45 PM | 333000.000 | 142.836 | 21.332 |
| 325.567 | 5100.163 | 5484.435 | 2.999 |
| 3.729 | 196.072 | 1.000 | 14.654 |
| 10/16/2016 6:59:45 PM | 333900.000 | 142.834 | 21.337 |
| 325.562 | 5101.123 | 5484.815 | 2.999 |
| 3.730 | 196.035 | 1.000 | 14.657 |
| 10/16/2016 7:14:45 PM | 334800.000 | 142.835 | 21.330 |
| 325.565 | 5099.813 | 5484.227 | 2.999 |
| 3.729 | 196.086 | 1.000 | 14.652 |
| 10/16/2016 7:29:45 PM | 335700.000 | 142.829 | 21.334 |
| 325.552 | 5102.324 | 5486.443 | 3.000 |
| 3.731 | 195.989 | 1.000 | 14.655 |
| 10/16/2016 7:44:45 PM | 336600.000 | 142.828 | 21.325 |
| 325.549 | 5100.044 | 5485.019 | 2.999 |
| 3.730 | 196.077 | 1.000 | 14.665 |
| 10/16/2016 7:59:45 PM | 337500.000 | 142.835 | 21.323 |
| 325.564 | 5100.260 | 5485.458 | 3.000 |
| 3.730 | 196.068 | 1.000 | 14.652 |
| 10/16/2016 8:14:45 PM | 338400.000 | 142.846 | 21.323 |
| 325.589 | 5100.593 | 5485.916 | 3.000 |
| 3.730 | 196.056 | 1.000 | 14.650 |
| 10/16/2016 8:29:45 PM | 339300.000 | 142.834 | 21.324 |
| 325.563 | 5101.299 | 5486.535 | 3.000 |
| 3.731 | 196.029 | 1.000 | 14.661 |
| 10/16/2016 8:44:45 PM | 340200.000 | 142.833 | 21.324 |

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|---|---|---|---|
| 325.560 | 5101.702 | 5486.998 | 3.000 |
| 3.731 | 196.013 | 1.000 | 14.660 |
| 10/16/2016 8:59:45 PM | 341100.000 | 142.845 | 21.325 |
| 325.589 | 5102.435 | 5487.590 | 3.001 |
| 3.732 | 195.985 | 1.000 | 14.661 |
| 10/16/2016 9:14:45 PM | 342000.000 | 142.835 | 21.325 |
| 325.564 | 5101.790 | 5486.984 | 3.000 |
| 3.731 | 196.010 | 1.000 | 14.658 |
| 10/16/2016 9:29:45 PM | 342900.000 | 142.829 | 21.328 |
| 325.552 | 5101.749 | 5486.575 | 3.000 |
| 3.731 | 196.011 | 1.000 | 14.662 |
| 10/16/2016 9:44:45 PM | 343800.000 | 142.829 | 21.325 |
| 325.552 | 5101.320 | 5486.400 | 3.000 |
| 3.731 | 196.028 | 1.000 | 14.667 |
| 10/16/2016 9:59:45 PM | 344700.000 | 142.827 | 21.330 |
| 325.547 | 5102.839 | 5487.472 | 3.001 |
| 3.731 | 195.969 | 1.000 | 14.672 |
| 10/16/2016 10:14:45 PM | 345600.000 | 142.825 | 21.330 |
| 325.541 | 5102.725 | 5487.378 | 3.001 |
| 3.731 | 195.974 | 1.000 | 14.672 |
| 10/16/2016 10:29:45 PM | 346500.000 | 142.834 | 21.325 |
| 325.563 | 5102.496 | 5487.685 | 3.001 |
| 3.732 | 195.983 | 1.000 | 14.664 |
| 10/16/2016 10:44:45 PM | 347400.000 | 142.830 | 21.327 |
| 325.554 | 5102.822 | 5487.769 | 3.001 |
| 3.732 | 195.970 | 1.000 | 14.673 |
| 10/16/2016 10:59:45 PM | 348300.000 | 142.834 | 21.324 |
| 325.563 | 5101.920 | 5487.184 | 3.001 |
| 3.731 | 196.005 | 1.000 | 14.677 |
| 10/16/2016 11:14:45 PM | 349200.000 | 142.870 | 21.333 |
| 325.645 | 5103.912 | 5488.259 | 3.001 |
| 3.732 | 195.928 | 1.000 | 14.677 |
| 10/16/2016 11:29:45 PM | 350100.000 | 142.833 | 21.338 |
| 325.560 | 5104.057 | 5487.922 | 3.001 |
| 3.732 | 195.923 | 1.000 | 14.682 |
| 10/16/2016 11:44:45 PM | 351000.000 | 142.871 | 21.335 |
| 325.646 | 5104.276 | 5488.454 | 3.001 |
| 3.732 | 195.914 | 1.000 | 14.678 |
| 10/16/2016 11:59:45 PM | 351900.000 | 142.832 | 21.329 |
| 325.559 | 5104.456 | 5489.308 | 3.002 |
| 3.733 | 195.907 | 1.000 | 14.680 |
| 10/17/2016 12:14:45 AM | 352800.000 | 142.843 | 21.333 |
| 325.584 | 5106.294 | 5490.891 | 3.003 |
| 3.734 | 195.837 | 1.000 | 14.676 |
| 10/17/2016 12:29:45 AM | 353700.000 | 142.833 | 21.338 |
| 325.561 | 5106.198 | 5490.203 | 3.002 |
| 3.733 | 195.840 | 1.000 | 14.687 |
| 10/17/2016 12:44:45 AM | 354600.000 | 142.846 | 21.334 |
| 325.590 | 5106.303 | 5490.721 | 3.003 |
| 3.734 | 195.836 | 1.000 | 14.689 |
| 10/17/2016 12:59:45 AM | 355500.000 | 142.832 | 21.325 |
| 325.557 | 5104.512 | 5489.893 | 3.002 |
| 3.733 | 195.905 | 1.000 | 14.700 |
| 10/17/2016 1:14:45 AM | 356400.000 | 142.848 | 21.330 |
| 325.594 | 5105.581 | 5490.449 | 3.003 |

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|---|---|---|---|
| 3.734 | 195.864 | 1.000 | 14.699 |
| 10/17/2016 1:29:45 AM | 357300.000 | 142.849 | 21.331 |
| 325.597 | 5106.224 | 5491.022 | 3.003 |
| 3.734 | 195.839 | 1.000 | 14.701 |
| 10/17/2016 1:44:45 AM | 358200.000 | 142.848 | 21.328 |
| 325.594 | 5106.232 | 5491.416 | 3.003 |
| 3.734 | 195.839 | 1.000 | 14.700 |
| 10/17/2016 1:59:45 AM | 359100.000 | 142.850 | 21.332 |
| 325.600 | 5106.581 | 5491.316 | 3.003 |
| 3.734 | 195.826 | 1.000 | 14.707 |
| 10/17/2016 2:14:45 AM | 360000.000 | 142.890 | 21.334 |
| 325.690 | 5107.662 | 5492.193 | 3.004 |
| 3.735 | 195.784 | 1.000 | 14.703 |
| 10/17/2016 2:29:45 AM | 360900.000 | 142.860 | 21.339 |
| 325.622 | 5107.791 | 5491.798 | 3.003 |
| 3.734 | 195.779 | 1.000 | 14.709 |
| 10/17/2016 2:44:45 AM | 361800.000 | 142.893 | 21.337 |
| 325.698 | 5108.232 | 5492.558 | 3.004 |
| 3.735 | 195.762 | 1.000 | 14.707 |
| 10/17/2016 2:59:45 AM | 362700.000 | 142.866 | 21.331 |
| 325.637 | 5107.173 | 5492.042 | 3.003 |
| 3.735 | 195.803 | 1.000 | 14.709 |
| 10/17/2016 3:14:45 AM | 363600.000 | 142.908 | 21.337 |
| 325.733 | 5107.905 | 5492.177 | 3.004 |
| 3.735 | 195.775 | 1.000 | 14.705 |
| 10/17/2016 3:29:45 AM | 364500.000 | 142.858 | 21.337 |
| 325.618 | 5108.518 | 5492.826 | 3.004 |
| 3.735 | 195.752 | 1.000 | 14.710 |
| 10/17/2016 3:44:45 AM | 365400.000 | 142.916 | 21.335 |
| 325.750 | 5108.128 | 5492.596 | 3.004 |
| 3.735 | 195.766 | 1.000 | 14.709 |
| 10/17/2016 3:59:45 AM | 366300.000 | 142.875 | 21.333 |
| 325.657 | 5107.507 | 5492.194 | 3.004 |
| 3.735 | 195.790 | 1.000 | 14.709 |
| 10/17/2016 4:14:45 AM | 367200.000 | 142.886 | 21.333 |
| 325.681 | 5107.579 | 5492.252 | 3.004 |
| 3.735 | 195.787 | 1.000 | 14.714 |
| 10/17/2016 4:29:45 AM | 368100.000 | 142.885 | 21.335 |
| 325.679 | 5109.584 | 5494.142 | 3.005 |
| 3.736 | 195.711 | 1.000 | 14.713 |
| 10/17/2016 4:44:45 AM | 369000.000 | 142.897 | 21.326 |
| 325.707 | 5107.775 | 5493.263 | 3.004 |
| 3.735 | 195.780 | 1.000 | 14.708 |
| 10/17/2016 4:59:45 AM | 369900.000 | 142.880 | 21.335 |
| 325.667 | 5108.490 | 5492.975 | 3.004 |
| 3.735 | 195.753 | 1.000 | 14.720 |
| 10/17/2016 5:14:45 AM | 370800.000 | 142.899 | 21.337 |
| 325.710 | 5108.407 | 5492.746 | 3.004 |
| 3.735 | 195.756 | 1.000 | 14.716 |
| 10/17/2016 5:29:45 AM | 371700.000 | 142.916 | 21.338 |
| 325.749 | 5109.445 | 5493.744 | 3.004 |
| 3.736 | 195.716 | 1.000 | 14.724 |
| 10/17/2016 5:44:45 AM | 372600.000 | 142.890 | 21.336 |
| 325.690 | 5109.613 | 5494.133 | 3.005 |
| 3.736 | 195.710 | 1.000 | 14.729 |

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|---|---|---|---|
| 10/17/2016 5:59:45 AM | 373500.000 | 142.935 | 21.336 |
| 325.792 | 5110.393 | 5494.992 | 3.005 |
| 3.737 | 195.680 | 1.000 | 14.726 |
| 10/17/2016 6:14:45 AM | 374400.000 | 142.937 | 21.333 |
| 325.797 | 5109.173 | 5494.006 | 3.005 |
| 3.736 | 195.726 | 1.000 | 14.728 |
| 10/17/2016 6:29:45 AM | 375300.000 | 142.906 | 21.331 |
| 325.726 | 5109.981 | 5495.043 | 3.005 |
| 3.737 | 195.695 | 1.000 | 14.729 |
| 10/17/2016 6:44:45 AM | 376200.000 | 142.932 | 21.336 |
| 325.785 | 5108.956 | 5493.405 | 3.004 |
| 3.736 | 195.735 | 1.000 | 14.737 |
| 10/17/2016 6:59:45 AM | 377100.000 | 142.898 | 21.336 |
| 325.708 | 5110.068 | 5494.602 | 3.005 |
| 3.736 | 195.692 | 1.000 | 14.731 |
| 10/17/2016 7:14:45 AM | 378000.000 | 142.904 | 21.336 |
| 325.722 | 5111.004 | 5495.588 | 3.006 |
| 3.737 | 195.656 | 1.000 | 14.740 |
| 10/17/2016 7:29:45 AM | 378900.000 | 142.904 | 21.333 |
| 325.723 | 5109.921 | 5494.781 | 3.005 |
| 3.736 | 195.698 | 1.000 | 14.737 |
| 10/17/2016 7:44:45 AM | 379800.000 | 142.911 | 21.328 |
| 325.738 | 5109.357 | 5494.748 | 3.005 |
| 3.736 | 195.719 | 1.000 | 14.740 |
| 10/17/2016 7:59:45 AM | 380700.000 | 142.910 | 21.326 |
| 325.735 | 5110.708 | 5496.438 | 3.006 |
| 3.738 | 195.668 | 1.000 | 14.745 |
| 10/17/2016 8:14:45 AM | 381600.000 | 142.908 | 21.328 |
| 325.731 | 5110.097 | 5495.494 | 3.005 |
| 3.737 | 195.691 | 1.000 | 14.748 |
| 10/17/2016 8:29:45 AM | 382500.000 | 142.906 | 21.336 |
| 325.726 | 5111.200 | 5495.780 | 3.006 |
| 3.737 | 195.649 | 1.000 | 14.750 |
| 10/17/2016 8:44:45 AM | 383400.000 | 142.949 | 21.332 |
| 325.824 | 5111.202 | 5496.267 | 3.006 |
| 3.737 | 195.649 | 1.000 | 14.755 |
| 10/17/2016 8:59:45 AM | 384300.000 | 142.913 | 21.335 |
| 325.744 | 5112.637 | 5497.513 | 3.007 |
| 3.738 | 195.594 | 1.000 | 14.757 |
| 10/17/2016 9:14:45 AM | 385200.000 | 142.944 | 21.335 |
| 325.814 | 5113.137 | 5497.991 | 3.007 |
| 3.739 | 195.575 | 1.000 | 14.759 |
| 10/17/2016 9:29:45 AM | 386100.000 | 142.922 | 21.330 |
| 325.763 | 5113.391 | 5498.848 | 3.007 |
| 3.739 | 195.565 | 1.000 | 14.755 |
| 10/17/2016 9:44:45 AM | 387000.000 | 142.909 | 21.334 |
| 325.733 | 5113.081 | 5498.039 | 3.007 |
| 3.739 | 195.577 | 1.000 | 14.759 |
| 10/17/2016 9:59:45 AM | 387900.000 | 142.909 | 21.339 |
| 325.734 | 5114.187 | 5498.634 | 3.007 |
| 3.739 | 195.535 | 1.000 | 14.758 |
| 10/17/2016 10:14:45 AM | 388800.000 | 142.926 | 21.333 |
| 325.772 | 5114.599 | 5499.750 | 3.008 |
| 3.740 | 195.519 | 1.000 | 14.760 |
| 10/17/2016 10:29:45 AM | 389700.000 | 142.925 | 21.330 |

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|---|---|---|---|
| 325.770 | 5113.251 | 5498.648 | 3.007 |
| 3.739 | 195.570 | 1.000 | 14.761 |
| 10/17/2016 10:44:45 AM | 390600.000 | 142.916 | 21.327 |
| 325.750 | 5113.836 | 5499.605 | 3.008 |
| 3.740 | 195.548 | 1.000 | 14.766 |
| 10/17/2016 10:59:45 AM | 391500.000 | 142.934 | 21.333 |
| 325.790 | 5115.083 | 5500.291 | 3.008 |
| 3.740 | 195.500 | 1.000 | 14.757 |
| 10/17/2016 11:14:45 AM | 392400.000 | 142.933 | 21.325 |
| 325.788 | 5113.692 | 5499.786 | 3.008 |
| 3.740 | 195.553 | 1.000 | 14.765 |
| 10/17/2016 11:29:45 AM | 393300.000 | 142.930 | 21.323 |
| 325.782 | 5114.335 | 5500.606 | 3.008 |
| 3.740 | 195.529 | 1.000 | 14.767 |
| 10/17/2016 11:44:45 AM | 394200.000 | 142.943 | 21.333 |
| 325.811 | 5115.528 | 5500.810 | 3.009 |
| 3.741 | 195.483 | 1.000 | 14.757 |
| 10/17/2016 11:59:45 AM | 395100.000 | 142.942 | 21.331 |
| 325.808 | 5115.625 | 5501.081 | 3.009 |
| 3.741 | 195.480 | 1.000 | 14.766 |
| 10/17/2016 12:14:45 PM | 396000.000 | 142.946 | 21.334 |
| 325.819 | 5116.683 | 5501.952 | 3.009 |
| 3.741 | 195.439 | 1.000 | 14.760 |
| 10/17/2016 12:29:45 PM | 396900.000 | 142.959 | 21.330 |
| 325.847 | 5116.624 | 5502.334 | 3.009 |
| 3.742 | 195.441 | 1.000 | 14.761 |
| 10/17/2016 12:44:45 PM | 397800.000 | 142.951 | 21.327 |
| 325.831 | 5116.755 | 5502.763 | 3.010 |
| 3.742 | 195.436 | 1.000 | 14.765 |
| 10/17/2016 12:59:45 PM | 398700.000 | 142.960 | 21.325 |
| 325.851 | 5117.310 | 5503.657 | 3.010 |
| 3.742 | 195.415 | 1.000 | 14.761 |
| 10/17/2016 1:14:45 PM | 399600.000 | 143.004 | 21.328 |
| 325.951 | 5117.361 | 5503.365 | 3.010 |
| 3.742 | 195.413 | 1.000 | 14.760 |
| 10/17/2016 1:29:45 PM | 400500.000 | 142.962 | 21.329 |
| 325.853 | 5117.780 | 5503.627 | 3.010 |
| 3.742 | 195.397 | 1.000 | 14.755 |
| 10/17/2016 1:44:45 PM | 401400.000 | 142.962 | 21.336 |
| 325.854 | 5119.318 | 5504.509 | 3.011 |
| 3.743 | 195.339 | 1.000 | 14.753 |
| 10/17/2016 1:59:45 PM | 402300.000 | 142.970 | 21.342 |
| 325.872 | 5119.547 | 5504.131 | 3.011 |
| 3.743 | 195.330 | 1.000 | 14.751 |
| 10/17/2016 2:14:45 PM | 403200.000 | 142.970 | 21.341 |
| 325.874 | 5119.417 | 5504.091 | 3.010 |
| 3.743 | 195.335 | 1.000 | 14.756 |
| 10/17/2016 2:29:45 PM | 404100.000 | 142.975 | 21.341 |
| 325.884 | 5119.225 | 5503.923 | 3.010 |
| 3.743 | 195.342 | 1.000 | 14.755 |
| 10/17/2016 2:44:45 PM | 405000.000 | 142.973 | 21.329 |
| 325.880 | 5118.770 | 5504.780 | 3.011 |
| 3.743 | 195.359 | 1.000 | 14.756 |
| 10/17/2016 2:59:45 PM | 405900.000 | 143.017 | 21.337 |
| 325.979 | 5119.093 | 5504.147 | 3.011 |

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|---|---|---|---|
| 3.743 | 195.347 | 1.000 | 14.748 |
| 10/17/2016 3:14:45 PM | 406800.000 | 142.977 | 21.340 |
| 325.888 | 5120.258 | 5505.063 | 3.011 |
| 3.743 | 195.303 | 1.000 | 14.750 |
| 10/17/2016 3:29:45 PM | 407700.000 | 143.029 | 21.338 |
| 326.007 | 5120.095 | 5505.156 | 3.011 |
| 3.744 | 195.309 | 1.000 | 14.745 |
| 10/17/2016 3:44:45 PM | 408600.000 | 142.984 | 21.339 |
| 325.904 | 5120.767 | 5505.798 | 3.011 |
| 3.744 | 195.283 | 1.000 | 14.754 |
| 10/17/2016 3:59:45 PM | 409500.000 | 142.998 | 21.336 |
| 325.936 | 5119.382 | 5504.578 | 3.011 |
| 3.743 | 195.336 | 1.000 | 14.747 |
| 10/17/2016 4:14:45 PM | 410400.000 | 142.988 | 21.336 |
| 325.913 | 5120.416 | 5505.699 | 3.011 |
| 3.744 | 195.297 | 1.000 | 14.755 |
| 10/17/2016 4:29:45 PM | 411300.000 | 142.993 | 21.338 |
| 325.926 | 5120.090 | 5505.151 | 3.011 |
| 3.744 | 195.309 | 1.000 | 14.747 |
| 10/17/2016 4:44:45 PM | 412200.000 | 143.038 | 21.331 |
| 326.028 | 5120.376 | 5506.241 | 3.012 |
| 3.744 | 195.298 | 1.000 | 14.747 |
| 10/17/2016 4:59:45 PM | 413100.000 | 143.000 | 21.335 |
| 325.941 | 5119.649 | 5504.964 | 3.011 |
| 3.743 | 195.326 | 1.000 | 14.746 |
| 10/17/2016 5:14:45 PM | 414000.000 | 143.039 | 21.334 |
| 326.029 | 5119.510 | 5505.012 | 3.011 |
| 3.743 | 195.331 | 1.000 | 14.747 |
| 10/17/2016 5:29:45 PM | 414900.000 | 143.007 | 21.326 |
| 325.957 | 5118.939 | 5505.279 | 3.011 |
| 3.744 | 195.353 | 1.000 | 14.742 |
| 10/17/2016 5:44:45 PM | 415800.000 | 143.009 | 21.331 |
| 325.962 | 5120.155 | 5506.013 | 3.012 |
| 3.744 | 195.307 | 1.000 | 14.744 |
| 10/17/2016 5:59:45 PM | 416700.000 | 143.012 | 21.335 |
| 325.968 | 5120.825 | 5506.278 | 3.012 |
| 3.744 | 195.281 | 1.000 | 14.743 |
| 10/17/2016 6:14:45 PM | 417600.000 | 143.002 | 21.336 |
| 325.945 | 5120.614 | 5505.981 | 3.012 |
| 3.744 | 195.289 | 1.000 | 14.746 |
| 10/17/2016 6:29:45 PM | 418500.000 | 143.002 | 21.333 |
| 325.947 | 5120.866 | 5506.490 | 3.012 |
| 3.744 | 195.279 | 1.000 | 14.742 |
| 10/17/2016 6:44:45 PM | 419400.000 | 143.005 | 21.338 |
| 325.954 | 5121.582 | 5506.695 | 3.012 |
| 3.745 | 195.252 | 1.000 | 14.744 |
| 10/17/2016 6:59:45 PM | 420300.000 | 143.004 | 21.335 |
| 325.950 | 5120.351 | 5505.738 | 3.011 |
| 3.744 | 195.299 | 1.000 | 14.742 |
| 10/17/2016 7:14:45 PM | 421200.000 | 142.999 | 21.336 |
| 325.939 | 5121.625 | 5507.048 | 3.012 |
| 3.745 | 195.251 | 1.000 | 14.747 |
| 10/17/2016 7:29:45 PM | 422100.000 | 142.996 | 21.335 |
| 325.932 | 5120.570 | 5506.023 | 3.012 |
| 3.744 | 195.291 | 1.000 | 14.750 |

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|---|---|---|---|
| 10/17/2016 7:44:45 PM | 423000.000 | 142.998 | 21.335 |
| 325.938 | 5121.314 | 5506.833 | 3.012 |
| 3.745 | 195.262 | 1.000 | 14.753 |
| 10/17/2016 7:59:45 PM | 423900.000 | 142.993 | 21.331 |
| 325.925 | 5120.433 | 5506.271 | 3.012 |
| 3.744 | 195.296 | 1.000 | 14.756 |
| 10/17/2016 8:14:45 PM | 424800.000 | 142.997 | 21.332 |
| 325.935 | 5120.021 | 5505.750 | 3.011 |
| 3.744 | 195.312 | 1.000 | 14.755 |
| 10/17/2016 8:29:45 PM | 425700.000 | 143.006 | 21.337 |
| 325.954 | 5121.962 | 5507.262 | 3.012 |
| 3.745 | 195.238 | 1.000 | 14.749 |
| 10/17/2016 8:44:45 PM | 426600.000 | 143.021 | 21.336 |
| 325.988 | 5122.123 | 5507.594 | 3.013 |
| 3.745 | 195.232 | 1.000 | 14.762 |
| 10/17/2016 8:59:45 PM | 427500.000 | 142.990 | 21.337 |
| 325.918 | 5123.178 | 5508.579 | 3.013 |
| 3.746 | 195.191 | 1.000 | 14.761 |
| 10/17/2016 9:14:45 PM | 428400.000 | 142.995 | 21.330 |
| 325.931 | 5122.324 | 5508.406 | 3.013 |
| 3.746 | 195.224 | 1.000 | 14.761 |
| 10/17/2016 9:29:45 PM | 429300.000 | 142.984 | 21.333 |
| 325.905 | 5122.302 | 5508.034 | 3.013 |
| 3.745 | 195.225 | 1.000 | 14.764 |
| 10/17/2016 9:44:45 PM | 430200.000 | 142.985 | 21.336 |
| 325.908 | 5123.141 | 5508.689 | 3.013 |
| 3.746 | 195.193 | 1.000 | 14.758 |
| 10/17/2016 9:59:45 PM | 431100.000 | 142.988 | 21.329 |
| 325.913 | 5122.559 | 5508.806 | 3.013 |
| 3.746 | 195.215 | 1.000 | 14.763 |
| 10/17/2016 10:14:45 PM | 432000.000 | 142.978 | 21.338 |
| 325.892 | 5124.073 | 5509.394 | 3.014 |
| 3.746 | 195.157 | 1.000 | 14.766 |
| 10/17/2016 10:29:45 PM | 432900.000 | 142.973 | 21.343 |
| 325.880 | 5123.992 | 5508.742 | 3.013 |
| 3.746 | 195.160 | 1.000 | 14.766 |
| 10/17/2016 10:44:45 PM | 433800.000 | 142.971 | 21.341 |
| 325.875 | 5123.828 | 5508.823 | 3.013 |
| 3.746 | 195.167 | 1.000 | 14.767 |
| 10/17/2016 10:59:45 PM | 434700.000 | 143.012 | 21.337 |
| 325.967 | 5123.500 | 5508.896 | 3.013 |
| 3.746 | 195.179 | 1.000 | 14.768 |
| 10/17/2016 11:14:45 PM | 435600.000 | 143.020 | 21.339 |
| 325.987 | 5123.830 | 5509.033 | 3.013 |
| 3.746 | 195.167 | 1.000 | 14.772 |
| 10/17/2016 11:29:45 PM | 436500.000 | 142.968 | 21.339 |
| 325.869 | 5124.320 | 5509.539 | 3.014 |
| 3.746 | 195.148 | 1.000 | 14.775 |
| 10/17/2016 11:44:45 PM | 437400.000 | 142.979 | 21.340 |
| 325.893 | 5123.305 | 5508.428 | 3.013 |
| 3.746 | 195.187 | 1.000 | 14.776 |
| 10/17/2016 11:59:45 PM | 438300.000 | 142.980 | 21.340 |
| 325.896 | 5124.566 | 5509.765 | 3.014 |
| 3.747 | 195.138 | 1.000 | 14.778 |
| 10/18/2016 12:14:45 AM | 439200.000 | 143.010 | 21.332 |

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|---|---|---|---|
| 325.965 | 5123.623 | 5509.574 | 3.014 |
| 3.747 | 195.174 | 1.000 | 14.780 |
| 10/18/2016 12:29:45 AM | 440100.000 | 143.011 | 21.334 |
| 325.967 | 5123.091 | 5508.874 | 3.013 |
| 3.746 | 195.195 | 1.000 | 14.782 |
| 10/18/2016 12:44:45 AM | 441000.000 | 142.978 | 21.339 |
| 325.890 | 5124.120 | 5509.394 | 3.014 |
| 3.746 | 195.155 | 1.000 | 14.780 |
| 10/18/2016 12:59:45 AM | 441900.000 | 142.983 | 21.332 |
| 325.903 | 5123.917 | 5509.968 | 3.014 |
| 3.747 | 195.163 | 1.000 | 14.784 |
| 10/18/2016 1:14:45 AM | 442800.000 | 142.984 | 21.335 |
| 325.904 | 5124.838 | 5510.632 | 3.014 |
| 3.747 | 195.128 | 1.000 | 14.780 |
| 10/18/2016 1:29:45 AM | 443700.000 | 142.982 | 21.334 |
| 325.900 | 5124.831 | 5510.714 | 3.014 |
| 3.747 | 195.128 | 1.000 | 14.786 |
| 10/18/2016 1:44:45 AM | 444600.000 | 143.029 | 21.330 |
| 326.008 | 5123.795 | 5509.977 | 3.014 |
| 3.747 | 195.168 | 1.000 | 14.785 |
| 10/18/2016 1:59:45 AM | 445500.000 | 142.988 | 21.337 |
| 325.914 | 5125.402 | 5510.961 | 3.014 |
| 3.747 | 195.107 | 1.000 | 14.784 |
| 10/18/2016 2:14:45 AM | 446400.000 | 142.998 | 21.333 |
| 325.938 | 5126.224 | 5512.281 | 3.015 |
| 3.748 | 195.075 | 1.000 | 14.784 |
| 10/18/2016 2:29:45 AM | 447300.000 | 142.990 | 21.333 |
| 325.919 | 5124.638 | 5510.565 | 3.014 |
| 3.747 | 195.136 | 1.000 | 14.787 |
| 10/18/2016 2:44:45 AM | 448200.000 | 143.028 | 21.334 |
| 326.004 | 5125.872 | 5511.783 | 3.015 |
| 3.748 | 195.089 | 1.000 | 14.788 |
| 10/18/2016 2:59:45 AM | 449100.000 | 143.039 | 21.341 |
| 326.031 | 5126.399 | 5511.557 | 3.015 |
| 3.748 | 195.069 | 1.000 | 14.787 |
| 10/18/2016 3:14:45 AM | 450000.000 | 143.013 | 21.332 |
| 325.970 | 5125.163 | 5511.279 | 3.015 |
| 3.748 | 195.116 | 1.000 | 14.781 |
| 10/18/2016 3:29:45 AM | 450900.000 | 143.010 | 21.329 |
| 325.963 | 5125.050 | 5511.465 | 3.015 |
| 3.748 | 195.120 | 1.000 | 14.784 |
| 10/18/2016 3:44:45 AM | 451800.000 | 143.012 | 21.324 |
| 325.968 | 5125.260 | 5512.248 | 3.015 |
| 3.748 | 195.112 | 1.000 | 14.785 |
| 10/18/2016 3:59:45 AM | 452700.000 | 143.014 | 21.326 |
| 325.974 | 5125.331 | 5512.124 | 3.015 |
| 3.748 | 195.109 | 1.000 | 14.781 |
| 10/18/2016 4:14:45 AM | 453600.000 | 143.012 | 21.332 |
| 325.968 | 5126.134 | 5512.264 | 3.015 |
| 3.748 | 195.079 | 1.000 | 14.785 |
| 10/18/2016 4:29:45 AM | 454500.000 | 143.010 | 21.339 |
| 325.965 | 5127.275 | 5512.776 | 3.016 |
| 3.749 | 195.035 | 1.000 | 14.785 |
| 10/18/2016 4:44:45 AM | 455400.000 | 143.022 | 21.342 |
| 325.991 | 5127.636 | 5512.807 | 3.016 |

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|---|---|---|---|
| 3.749 | 195.022 | 1.000 | 14.786 |
| 10/18/2016 4:59:45 AM | 456300.000 | 143.022 | 21.341 |
| 325.991 | 5127.563 | 5512.828 | 3.016 |
| 3.749 | 195.024 | 1.000 | 14.786 |
| 10/18/2016 5:14:45 AM | 457200.000 | 143.022 | 21.340 |
| 325.990 | 5127.769 | 5513.119 | 3.016 |
| 3.749 | 195.017 | 1.000 | 14.790 |
| 10/18/2016 5:29:45 AM | 458100.000 | 143.022 | 21.339 |
| 325.992 | 5128.130 | 5513.636 | 3.016 |
| 3.749 | 195.003 | 1.000 | 14.789 |
| 10/18/2016 5:44:45 AM | 459000.000 | 143.027 | 21.342 |
| 326.002 | 5128.072 | 5513.226 | 3.016 |
| 3.749 | 195.005 | 1.000 | 14.790 |
| 10/18/2016 5:59:45 AM | 459900.000 | 143.029 | 21.340 |
| 326.007 | 5128.214 | 5513.657 | 3.016 |
| 3.749 | 195.000 | 1.000 | 14.794 |
| 10/18/2016 6:14:45 AM | 460800.000 | 143.038 | 21.342 |
| 326.027 | 5127.462 | 5512.641 | 3.015 |
| 3.749 | 195.028 | 1.000 | 14.795 |
| 10/18/2016 6:29:45 AM | 461700.000 | 143.034 | 21.335 |
| 326.018 | 5128.606 | 5514.654 | 3.017 |
| 3.750 | 194.985 | 1.000 | 14.799 |
| 10/18/2016 6:44:45 AM | 462600.000 | 143.032 | 21.337 |
| 326.015 | 5127.908 | 5513.685 | 3.016 |
| 3.749 | 195.011 | 1.000 | 14.800 |
| 10/18/2016 6:59:45 AM | 463500.000 | 143.041 | 21.329 |
| 326.035 | 5126.903 | 5513.438 | 3.016 |
| 3.749 | 195.050 | 1.000 | 14.802 |
| 10/18/2016 7:14:45 AM | 464400.000 | 143.034 | 21.332 |
| 326.018 | 5128.447 | 5514.810 | 3.017 |
| 3.750 | 194.991 | 1.000 | 14.804 |
| 10/18/2016 7:29:45 AM | 465300.000 | 143.041 | 21.334 |
| 326.035 | 5128.659 | 5514.831 | 3.017 |
| 3.750 | 194.983 | 1.000 | 14.801 |
| 10/18/2016 7:44:45 AM | 466200.000 | 143.047 | 21.335 |
| 326.049 | 5128.591 | 5514.589 | 3.017 |
| 3.750 | 194.985 | 1.000 | 14.806 |
| 10/18/2016 7:59:45 AM | 467100.000 | 143.096 | 21.337 |
| 326.160 | 5129.045 | 5514.868 | 3.017 |
| 3.750 | 194.968 | 1.000 | 14.806 |
| 10/18/2016 8:14:45 AM | 468000.000 | 143.042 | 21.337 |
| 326.037 | 5129.789 | 5515.697 | 3.017 |
| 3.751 | 194.940 | 1.000 | 14.814 |
| 10/18/2016 8:29:45 AM | 468900.000 | 143.043 | 21.335 |
| 326.040 | 5130.019 | 5516.134 | 3.018 |
| 3.751 | 194.931 | 1.000 | 14.820 |
| 10/18/2016 8:44:45 AM | 469800.000 | 143.042 | 21.340 |
| 326.037 | 5130.915 | 5516.601 | 3.018 |
| 3.751 | 194.897 | 1.000 | 14.808 |
| 10/18/2016 8:59:45 AM | 470700.000 | 143.090 | 21.336 |
| 326.147 | 5130.465 | 5516.574 | 3.018 |
| 3.751 | 194.914 | 1.000 | 14.809 |
| 10/18/2016 9:14:45 AM | 471600.000 | 143.046 | 21.333 |
| 326.045 | 5130.116 | 5516.526 | 3.018 |
| 3.751 | 194.927 | 1.000 | 14.822 |

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|---|---|---|---|
| 10/18/2016 9:29:45 AM | 472500.000 | 143.052 | 21.328 |
| 326.060 | 5130.121 | 5517.107 | 3.018 |
| 3.752 | 194.927 | 1.000 | 14.820 |
| 10/18/2016 9:44:45 AM | 473400.000 | 143.058 | 21.326 |
| 326.073 | 5129.800 | 5516.971 | 3.018 |
| 3.752 | 194.939 | 1.000 | 14.822 |
| 10/18/2016 9:59:45 AM | 474300.000 | 143.063 | 21.321 |
| 326.084 | 5129.958 | 5517.697 | 3.018 |
| 3.752 | 194.933 | 1.000 | 14.819 |
| 10/18/2016 10:14:45 AM | 475200.000 | 143.057 | 21.325 |
| 326.072 | 5130.809 | 5518.184 | 3.019 |
| 3.752 | 194.901 | 1.000 | 14.823 |
| 10/18/2016 10:29:45 AM | 476100.000 | 143.068 | 21.334 |
| 326.095 | 5133.105 | 5519.552 | 3.019 |
| 3.753 | 194.814 | 1.000 | 14.821 |
| 10/18/2016 10:44:45 AM | 477000.000 | 143.062 | 21.337 |
| 326.082 | 5133.800 | 5520.040 | 3.020 |
| 3.754 | 194.787 | 1.000 | 14.822 |
| 10/18/2016 10:59:45 AM | 477900.000 | 143.063 | 21.333 |
| 326.085 | 5134.286 | 5520.980 | 3.020 |
| 3.754 | 194.769 | 1.000 | 14.826 |
| 10/18/2016 11:14:45 AM | 478800.000 | 143.072 | 21.324 |
| 326.104 | 5132.626 | 5520.179 | 3.020 |
| 3.754 | 194.832 | 1.000 | 14.818 |
| 10/18/2016 11:29:45 AM | 479700.000 | 143.071 | 21.333 |
| 326.103 | 5133.365 | 5519.939 | 3.020 |
| 3.754 | 194.804 | 1.000 | 14.817 |
| 10/18/2016 11:44:45 AM | 480600.000 | 143.080 | 21.326 |
| 326.123 | 5133.112 | 5520.472 | 3.020 |
| 3.754 | 194.814 | 1.000 | 14.817 |
| 10/18/2016 11:59:45 AM | 481500.000 | 143.115 | 21.331 |
| 326.204 | 5134.279 | 5521.192 | 3.020 |
| 3.754 | 194.769 | 1.000 | 14.818 |
| 10/18/2016 12:14:45 PM | 482400.000 | 143.033 | 21.340 |
| 326.017 | 5135.509 | 5521.520 | 3.021 |
| 3.755 | 194.723 | 1.000 | 14.816 |
| 10/18/2016 12:29:45 PM | 483300.000 | 143.075 | 21.338 |
| 326.113 | 5135.115 | 5521.266 | 3.020 |
| 3.754 | 194.738 | 1.000 | 14.820 |
| 10/18/2016 12:44:45 PM | 484200.000 | 143.081 | 21.336 |
| 326.126 | 5135.335 | 5521.750 | 3.021 |
| 3.755 | 194.729 | 1.000 | 14.813 |
| 10/18/2016 12:59:45 PM | 485100.000 | 143.097 | 21.335 |
| 326.163 | 5135.151 | 5521.691 | 3.021 |
| 3.755 | 194.736 | 1.000 | 14.803 |
| 10/18/2016 1:14:45 PM | 486000.000 | 143.102 | 21.325 |
| 326.174 | 5133.795 | 5521.327 | 3.021 |
| 3.755 | 194.788 | 1.000 | 14.804 |
| 10/18/2016 1:29:45 PM | 486900.000 | 143.092 | 21.326 |
| 326.150 | 5134.632 | 5522.168 | 3.021 |
| 3.755 | 194.756 | 1.000 | 14.804 |
| 10/18/2016 1:44:45 PM | 487800.000 | 143.101 | 21.335 |
| 326.170 | 5135.563 | 5522.154 | 3.021 |
| 3.755 | 194.721 | 1.000 | 14.799 |
| 10/18/2016 1:59:45 PM | 488700.000 | 143.105 | 21.339 |

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|---|---|---|---|
| 326.179 | 5137.084 | 5523.333 | 3.022 |
| 3.756 | 194.663 | 1.000 | 14.798 |
| 10/18/2016 2:14:45 PM | 489600.000 | 143.114 | 21.337 |
| 326.202 | 5135.678 | 5522.048 | 3.021 |
| 3.755 | 194.716 | 1.000 | 14.790 |
| 10/18/2016 2:29:45 PM | 490500.000 | 143.149 | 21.336 |
| 326.281 | 5136.101 | 5522.564 | 3.021 |
| 3.755 | 194.700 | 1.000 | 14.796 |
| 10/18/2016 2:44:45 PM | 491400.000 | 143.118 | 21.336 |
| 326.209 | 5136.856 | 5523.426 | 3.022 |
| 3.756 | 194.672 | 1.000 | 14.786 |
| 10/18/2016 2:59:45 PM | 492300.000 | 143.086 | 21.328 |
| 326.136 | 5136.177 | 5523.561 | 3.022 |
| 3.756 | 194.697 | 1.000 | 14.782 |
| 10/18/2016 3:14:45 PM | 493200.000 | 143.120 | 21.326 |
| 326.215 | 5136.600 | 5524.273 | 3.022 |
| 3.757 | 194.681 | 1.000 | 14.781 |
| 10/18/2016 3:29:45 PM | 494100.000 | 143.127 | 21.327 |
| 326.229 | 5136.779 | 5524.327 | 3.022 |
| 3.757 | 194.675 | 1.000 | 14.783 |
| 10/18/2016 3:44:45 PM | 495000.000 | 143.121 | 21.337 |
| 326.217 | 5136.203 | 5522.613 | 3.021 |
| 3.755 | 194.696 | 1.000 | 14.780 |
| 10/18/2016 3:59:45 PM | 495900.000 | 143.143 | 21.327 |
| 326.267 | 5135.469 | 5522.869 | 3.021 |
| 3.756 | 194.724 | 1.000 | 14.776 |
| 10/18/2016 4:14:45 PM | 496800.000 | 143.138 | 21.326 |
| 326.257 | 5136.408 | 5524.037 | 3.022 |
| 3.756 | 194.689 | 1.000 | 14.775 |
| 10/18/2016 4:29:45 PM | 497700.000 | 143.150 | 21.333 |
| 326.284 | 5138.728 | 5525.697 | 3.023 |
| 3.757 | 194.601 | 1.000 | 14.772 |
| 10/18/2016 4:44:45 PM | 498600.000 | 143.138 | 21.333 |
| 326.255 | 5137.799 | 5524.749 | 3.023 |
| 3.757 | 194.636 | 1.000 | 14.775 |
| 10/18/2016 4:59:45 PM | 499500.000 | 143.147 | 21.333 |
| 326.276 | 5137.426 | 5524.317 | 3.022 |
| 3.757 | 194.650 | 1.000 | 14.772 |
| 10/18/2016 5:14:45 PM | 500400.000 | 143.140 | 21.330 |
| 326.260 | 5137.952 | 5525.250 | 3.023 |
| 3.757 | 194.630 | 1.000 | 14.775 |
| 10/18/2016 5:29:45 PM | 501300.000 | 143.140 | 21.328 |
| 326.260 | 5138.002 | 5525.513 | 3.023 |
| 3.757 | 194.628 | 1.000 | 14.778 |
| 10/18/2016 5:44:45 PM | 502200.000 | 143.141 | 21.328 |
| 326.263 | 5138.346 | 5525.953 | 3.023 |
| 3.758 | 194.615 | 1.000 | 14.784 |
| 10/18/2016 5:59:45 PM | 503100.000 | 143.138 | 21.329 |
| 326.256 | 5137.069 | 5524.391 | 3.022 |
| 3.757 | 194.664 | 1.000 | 14.783 |
| 10/18/2016 6:14:45 PM | 504000.000 | 143.131 | 21.335 |
| 326.239 | 5139.321 | 5526.116 | 3.023 |
| 3.758 | 194.578 | 1.000 | 14.778 |
| 10/18/2016 6:29:45 PM | 504900.000 | 143.172 | 21.340 |
| 326.332 | 5138.512 | 5524.680 | 3.022 |

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|---|---|---|---|
| 3.757 | 194.609 | 1.000 | 14.777 |
| 10/18/2016 6:44:45 PM | 505800.000 | 143.157 | 21.342 |
| 326.298 | 5140.535 | 5526.686 | 3.024 |
| 3.758 | 194.532 | 1.000 | 14.790 |
| 10/18/2016 6:59:45 PM | 506700.000 | 143.132 | 21.342 |
| 326.243 | 5140.016 | 5526.157 | 3.023 |
| 3.758 | 194.552 | 1.000 | 14.782 |
| 10/18/2016 7:14:45 PM | 507600.000 | 143.128 | 21.341 |
| 326.234 | 5139.284 | 5525.460 | 3.023 |
| 3.757 | 194.580 | 1.000 | 14.779 |
| 10/18/2016 7:29:45 PM | 508500.000 | 143.157 | 21.334 |
| 326.300 | 5139.443 | 5526.376 | 3.023 |
| 3.758 | 194.574 | 1.000 | 14.793 |
| 10/18/2016 7:44:45 PM | 509400.000 | 143.124 | 21.331 |
| 326.223 | 5138.482 | 5525.680 | 3.023 |
| 3.757 | 194.610 | 1.000 | 14.787 |
| 10/18/2016 7:59:45 PM | 510300.000 | 143.120 | 21.330 |
| 326.214 | 5139.430 | 5526.889 | 3.024 |
| 3.758 | 194.574 | 1.000 | 14.796 |
| 10/18/2016 8:14:45 PM | 511200.000 | 143.114 | 21.334 |
| 326.200 | 5141.017 | 5528.048 | 3.024 |
| 3.759 | 194.514 | 1.000 | 14.795 |
| 10/18/2016 8:29:45 PM | 512100.000 | 143.111 | 21.343 |
| 326.193 | 5142.002 | 5528.084 | 3.024 |
| 3.759 | 194.477 | 1.000 | 14.799 |
| 10/18/2016 8:44:45 PM | 513000.000 | 143.143 | 21.337 |
| 326.267 | 5140.846 | 5527.537 | 3.024 |
| 3.759 | 194.521 | 1.000 | 14.797 |
| 10/18/2016 8:59:45 PM | 513900.000 | 143.117 | 21.329 |
| 326.208 | 5140.448 | 5528.084 | 3.024 |
| 3.759 | 194.536 | 1.000 | 14.795 |
| 10/18/2016 9:14:45 PM | 514800.000 | 143.105 | 21.327 |
| 326.181 | 5139.541 | 5527.356 | 3.024 |
| 3.759 | 194.570 | 1.000 | 14.801 |
| 10/18/2016 9:29:45 PM | 515700.000 | 143.105 | 21.331 |
| 326.180 | 5140.195 | 5527.563 | 3.024 |
| 3.759 | 194.545 | 1.000 | 14.799 |
| 10/18/2016 9:44:45 PM | 516600.000 | 143.094 | 21.337 |
| 326.156 | 5141.054 | 5527.829 | 3.024 |
| 3.759 | 194.513 | 1.000 | 14.807 |
| 10/18/2016 9:59:45 PM | 517500.000 | 143.092 | 21.341 |
| 326.151 | 5140.410 | 5526.610 | 3.024 |
| 3.758 | 194.537 | 1.000 | 14.808 |
| 10/18/2016 10:14:45 PM | 518400.000 | 143.086 | 21.339 |
| 326.137 | 5140.562 | 5527.023 | 3.024 |
| 3.758 | 194.531 | 1.000 | 14.806 |
| 10/18/2016 10:29:45 PM | 519300.000 | 143.082 | 21.334 |
| 326.128 | 5140.630 | 5527.703 | 3.024 |
| 3.759 | 194.529 | 1.000 | 14.807 |
| 10/18/2016 10:44:45 PM | 520200.000 | 143.094 | 21.334 |
| 326.154 | 5140.152 | 5527.149 | 3.024 |
| 3.758 | 194.547 | 1.000 | 14.805 |
| 10/18/2016 10:59:45 PM | 521100.000 | 143.080 | 21.337 |
| 326.124 | 5141.687 | 5528.421 | 3.025 |
| 3.759 | 194.489 | 1.000 | 14.805 |

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|---|---|---|---|
| 10/18/2016 11:14:45 PM | 522000.000 | 143.117 | 21.340 |
| 326.209 | 5141.938 | 5528.402 | 3.025 |
| 3.759 | 194.479 | 1.000 | 14.807 |
| 10/18/2016 11:29:45 PM | 522900.000 | 143.126 | 21.336 |
| 326.229 | 5140.901 | 5527.795 | 3.024 |
| 3.759 | 194.518 | 1.000 | 14.807 |
| 10/18/2016 11:44:45 PM | 523800.000 | 143.114 | 21.339 |
| 326.201 | 5142.946 | 5529.625 | 3.025 |
| 3.760 | 194.441 | 1.000 | 14.807 |
| 10/18/2016 11:59:45 PM | 524700.000 | 143.082 | 21.338 |
| 326.129 | 5142.073 | 5528.757 | 3.025 |
| 3.760 | 194.474 | 1.000 | 14.806 |
| 10/19/2016 12:14:45 AM | 525600.000 | 143.112 | 21.341 |
| 326.196 | 5142.210 | 5528.606 | 3.025 |
| 3.759 | 194.469 | 1.000 | 14.802 |
| 10/19/2016 12:29:45 AM | 526500.000 | 143.109 | 21.340 |
| 326.190 | 5141.465 | 5527.954 | 3.024 |
| 3.759 | 194.497 | 1.000 | 14.808 |
| 10/19/2016 12:44:45 AM | 527400.000 | 143.089 | 21.337 |
| 326.144 | 5141.682 | 5528.524 | 3.025 |
| 3.759 | 194.489 | 1.000 | 14.800 |
| 10/19/2016 12:59:45 AM | 528300.000 | 143.072 | 21.335 |
| 326.104 | 5140.757 | 5527.709 | 3.024 |
| 3.759 | 194.524 | 1.000 | 14.807 |
| 10/19/2016 1:14:45 AM | 529200.000 | 143.081 | 21.328 |
| 326.126 | 5140.787 | 5528.499 | 3.025 |
| 3.759 | 194.523 | 1.000 | 14.809 |
| 10/19/2016 1:29:45 AM | 530100.000 | 143.117 | 21.336 |
| 326.208 | 5141.673 | 5528.535 | 3.025 |
| 3.759 | 194.489 | 1.000 | 14.805 |
| 10/19/2016 1:44:45 AM | 531000.000 | 143.074 | 21.340 |
| 326.109 | 5142.042 | 5528.495 | 3.025 |
| 3.759 | 194.475 | 1.000 | 14.808 |
| 10/19/2016 1:59:45 AM | 531900.000 | 143.075 | 21.343 |
| 326.113 | 5141.673 | 5527.770 | 3.024 |
| 3.759 | 194.489 | 1.000 | 14.808 |
| 10/19/2016 2:14:45 AM | 532800.000 | 143.081 | 21.339 |
| 326.126 | 5141.391 | 5527.934 | 3.024 |
| 3.759 | 194.500 | 1.000 | 14.808 |
| 10/19/2016 2:29:45 AM | 533700.000 | 143.105 | 21.341 |
| 326.181 | 5143.012 | 5529.438 | 3.025 |
| 3.760 | 194.439 | 1.000 | 14.812 |
| 10/19/2016 2:44:45 AM | 534600.000 | 143.110 | 21.342 |
| 326.192 | 5143.267 | 5529.662 | 3.025 |
| 3.760 | 194.429 | 1.000 | 14.816 |
| 10/19/2016 2:59:45 AM | 535500.000 | 143.087 | 21.343 |
| 326.139 | 5143.542 | 5529.788 | 3.025 |
| 3.760 | 194.419 | 1.000 | 14.813 |
| 10/19/2016 3:14:45 AM | 536400.000 | 143.078 | 21.345 |
| 326.120 | 5142.983 | 5528.919 | 3.025 |
| 3.760 | 194.440 | 1.000 | 14.810 |
| 10/19/2016 3:29:45 AM | 537300.000 | 143.124 | 21.348 |
| 326.224 | 5143.624 | 5529.280 | 3.025 |
| 3.760 | 194.415 | 1.000 | 14.806 |
| 10/19/2016 3:44:45 AM | 538200.000 | 143.087 | 21.338 |

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|---|---|---|---|
| 326.140 | 5142.200 | 5528.943 | 3.025 |
| 3.760 | 194.469 | 1.000 | 14.811 |
| 10/19/2016 3:59:45 AM | 539100.000 | 143.091 | 21.333 |
| 326.148 | 5142.616 | 5529.919 | 3.026 |
| 3.760 | 194.454 | 1.000 | 14.809 |
| 10/19/2016 4:14:45 AM | 540000.000 | 143.096 | 21.334 |
| 326.160 | 5142.082 | 5529.294 | 3.025 |
| 3.760 | 194.474 | 1.000 | 14.803 |
| 10/19/2016 4:29:45 AM | 540900.000 | 143.097 | 21.341 |
| 326.161 | 5142.613 | 5528.989 | 3.025 |
| 3.760 | 194.454 | 1.000 | 14.799 |
| 10/19/2016 4:44:45 AM | 541800.000 | 143.100 | 21.337 |
| 326.168 | 5141.943 | 5528.775 | 3.025 |
| 3.760 | 194.479 | 1.000 | 14.807 |
| 10/19/2016 4:59:45 AM | 542700.000 | 143.110 | 21.332 |
| 326.193 | 5141.447 | 5528.750 | 3.025 |
| 3.760 | 194.498 | 1.000 | 14.800 |
| 10/19/2016 5:14:45 AM | 543600.000 | 143.113 | 21.340 |
| 326.199 | 5140.529 | 5526.947 | 3.024 |
| 3.758 | 194.533 | 1.000 | 14.802 |
| 10/19/2016 5:29:45 AM | 544500.000 | 143.107 | 21.338 |
| 326.185 | 5141.696 | 5528.401 | 3.025 |
| 3.759 | 194.488 | 1.000 | 14.804 |
| 10/19/2016 5:44:45 AM | 545400.000 | 143.108 | 21.333 |
| 326.187 | 5140.360 | 5527.552 | 3.024 |
| 3.759 | 194.539 | 1.000 | 14.807 |
| 10/19/2016 5:59:45 AM | 546300.000 | 143.146 | 21.331 |
| 326.275 | 5140.851 | 5528.238 | 3.025 |
| 3.759 | 194.520 | 1.000 | 14.810 |
| 10/19/2016 6:14:45 AM | 547200.000 | 143.120 | 21.332 |
| 326.214 | 5140.454 | 5527.732 | 3.024 |
| 3.759 | 194.535 | 1.000 | 14.811 |
| 10/19/2016 6:29:45 AM | 548100.000 | 143.127 | 21.333 |
| 326.230 | 5141.365 | 5528.553 | 3.025 |
| 3.759 | 194.501 | 1.000 | 14.809 |
| 10/19/2016 6:44:45 AM | 549000.000 | 143.124 | 21.333 |
| 326.223 | 5141.155 | 5528.357 | 3.025 |
| 3.759 | 194.509 | 1.000 | 14.804 |
| 10/19/2016 6:59:45 AM | 549900.000 | 143.127 | 21.330 |
| 326.230 | 5141.640 | 5529.276 | 3.025 |
| 3.760 | 194.490 | 1.000 | 14.802 |
| 10/19/2016 7:14:45 AM | 550800.000 | 143.127 | 21.332 |
| 326.231 | 5140.654 | 5527.947 | 3.024 |
| 3.759 | 194.528 | 1.000 | 14.813 |
| 10/19/2016 7:29:45 AM | 551700.000 | 143.130 | 21.333 |
| 326.238 | 5140.607 | 5527.778 | 3.024 |
| 3.759 | 194.530 | 1.000 | 14.810 |
| 10/19/2016 7:44:45 AM | 552600.000 | 143.178 | 21.331 |
| 326.346 | 5140.720 | 5528.086 | 3.024 |
| 3.759 | 194.525 | 1.000 | 14.809 |
| 10/19/2016 7:59:45 AM | 553500.000 | 143.136 | 21.332 |
| 326.250 | 5140.744 | 5528.013 | 3.024 |
| 3.759 | 194.524 | 1.000 | 14.812 |
| 10/19/2016 8:14:45 AM | 554400.000 | 143.131 | 21.328 |
| 326.239 | 5140.940 | 5528.704 | 3.025 |

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|---|---|---|---|
| 3.760 | 194.517 | 1.000 | 14.815 |
| 10/19/2016 8:29:45 AM | 555300.000 | 143.139 | 21.328 |
| 326.257 | 5140.688 | 5528.472 | 3.025 |
| 3.759 | 194.526 | 1.000 | 14.816 |
| 10/19/2016 8:44:45 AM | 556200.000 | 143.144 | 21.330 |
| 326.268 | 5140.998 | 5528.496 | 3.025 |
| 3.759 | 194.515 | 1.000 | 14.816 |
| 10/19/2016 8:59:45 AM | 557100.000 | 143.165 | 21.330 |
| 326.317 | 5142.780 | 5530.404 | 3.026 |
| 3.761 | 194.447 | 1.000 | 14.824 |
| 10/19/2016 9:14:45 AM | 558000.000 | 143.139 | 21.338 |
| 326.258 | 5142.590 | 5529.373 | 3.025 |
| 3.760 | 194.455 | 1.000 | 14.821 |
| 10/19/2016 9:29:45 AM | 558900.000 | 143.137 | 21.339 |
| 326.254 | 5144.625 | 5531.461 | 3.026 |
| 3.761 | 194.378 | 1.000 | 14.820 |
| 10/19/2016 9:44:45 AM | 559800.000 | 143.122 | 21.331 |
| 326.219 | 5143.572 | 5531.234 | 3.026 |
| 3.761 | 194.417 | 1.000 | 14.825 |
| 10/19/2016 9:59:45 AM | 560700.000 | 143.126 | 21.339 |
| 326.229 | 5143.888 | 5530.609 | 3.026 |
| 3.761 | 194.405 | 1.000 | 14.821 |
| 10/19/2016 10:14:45 AM | 561600.000 | 143.127 | 21.333 |
| 326.230 | 5145.513 | 5533.054 | 3.027 |
| 3.762 | 194.344 | 1.000 | 14.815 |
| 10/19/2016 10:29:45 AM | 562500.000 | 143.127 | 21.332 |
| 326.230 | 5144.279 | 5531.884 | 3.027 |
| 3.762 | 194.391 | 1.000 | 14.819 |
| 10/19/2016 10:44:45 AM | 563400.000 | 143.122 | 21.338 |
| 326.219 | 5145.289 | 5532.264 | 3.027 |
| 3.762 | 194.353 | 1.000 | 14.817 |
| 10/19/2016 10:59:45 AM | 564300.000 | 143.121 | 21.336 |
| 326.216 | 5145.931 | 5533.125 | 3.027 |
| 3.763 | 194.328 | 1.000 | 14.816 |
| 10/19/2016 11:14:45 AM | 565200.000 | 143.118 | 21.333 |
| 326.211 | 5145.022 | 5532.535 | 3.027 |
| 3.762 | 194.363 | 1.000 | 14.815 |
| 10/19/2016 11:29:45 AM | 566100.000 | 143.125 | 21.327 |
| 326.227 | 5144.215 | 5532.383 | 3.027 |
| 3.762 | 194.393 | 1.000 | 14.813 |
| 10/19/2016 11:44:45 AM | 567000.000 | 143.121 | 21.323 |
| 326.216 | 5144.522 | 5533.132 | 3.027 |
| 3.763 | 194.382 | 1.000 | 14.812 |
| 10/19/2016 11:59:45 AM | 567900.000 | 143.131 | 21.321 |
| 326.240 | 5145.329 | 5534.159 | 3.028 |
| 3.763 | 194.351 | 1.000 | 14.806 |
| 10/19/2016 12:14:45 PM | 568800.000 | 143.127 | 21.327 |
| 326.230 | 5148.510 | 5536.963 | 3.030 |
| 3.765 | 194.231 | 1.000 | 14.801 |
| 10/19/2016 12:29:45 PM | 569700.000 | 143.123 | 21.333 |
| 326.223 | 5148.408 | 5536.206 | 3.029 |
| 3.765 | 194.235 | 1.000 | 14.800 |
| 10/19/2016 12:44:45 PM | 570600.000 | 143.126 | 21.335 |
| 326.228 | 5148.766 | 5536.371 | 3.029 |
| 3.765 | 194.221 | 1.000 | 14.801 |

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| 10/19/2016 12:59:45 PM | 571500.000 | 143.166 | 21.332 |
| 326.320 | 5149.713 | 5537.629 | 3.030 |
| 3.766 | 194.186 | 1.000 | 14.794 |
| 10/19/2016 1:14:45 PM | 572400.000 | 143.120 | 21.333 |
| 326.216 | 5150.143 | 5538.062 | 3.030 |
| 3.766 | 194.169 | 1.000 | 14.796 |
| 10/19/2016 1:29:45 PM | 573300.000 | 143.132 | 21.329 |
| 326.243 | 5148.476 | 5536.657 | 3.029 |
| 3.765 | 194.232 | 1.000 | 14.792 |
| 10/19/2016 1:44:45 PM | 574200.000 | 143.135 | 21.330 |
| 326.249 | 5150.442 | 5538.682 | 3.031 |
| 3.766 | 194.158 | 1.000 | 14.796 |
| 10/19/2016 1:59:45 PM | 575100.000 | 143.137 | 21.328 |
| 326.254 | 5149.450 | 5537.895 | 3.030 |
| 3.766 | 194.195 | 1.000 | 14.793 |
| 10/19/2016 2:14:45 PM | 576000.000 | 143.139 | 21.327 |
| 326.258 | 5149.775 | 5538.333 | 3.030 |
| 3.766 | 194.183 | 1.000 | 14.794 |
| 10/19/2016 2:29:45 PM | 576900.000 | 143.141 | 21.331 |
| 326.263 | 5149.918 | 5538.059 | 3.030 |
| 3.766 | 194.178 | 1.000 | 14.786 |
| 10/19/2016 2:44:45 PM | 577800.000 | 143.150 | 21.340 |
| 326.284 | 5152.083 | 5539.290 | 3.031 |
| 3.767 | 194.096 | 1.000 | 14.782 |
| 10/19/2016 2:59:45 PM | 578700.000 | 143.187 | 21.338 |
| 326.368 | 5152.103 | 5539.561 | 3.031 |
| 3.767 | 194.096 | 1.000 | 14.786 |
| 10/19/2016 3:14:45 PM | 579600.000 | 143.148 | 21.337 |
| 326.278 | 5151.050 | 5538.558 | 3.031 |
| 3.766 | 194.135 | 1.000 | 14.787 |
| 10/19/2016 3:29:45 PM | 580500.000 | 143.188 | 21.341 |
| 326.371 | 5151.427 | 5538.535 | 3.031 |
| 3.766 | 194.121 | 1.000 | 14.783 |
| 10/19/2016 3:44:45 PM | 581400.000 | 143.147 | 21.343 |
| 326.276 | 5153.699 | 5540.669 | 3.032 |
| 3.768 | 194.035 | 1.000 | 14.781 |
| 10/19/2016 3:59:45 PM | 582300.000 | 143.166 | 21.345 |
| 326.320 | 5153.323 | 5540.084 | 3.031 |
| 3.767 | 194.050 | 1.000 | 14.778 |
| 10/19/2016 4:14:45 PM | 583200.000 | 143.166 | 21.345 |
| 326.319 | 5153.839 | 5540.620 | 3.032 |
| 3.768 | 194.030 | 1.000 | 14.782 |
| 10/19/2016 4:29:45 PM | 584100.000 | 143.199 | 21.347 |
| 326.396 | 5153.570 | 5540.141 | 3.032 |
| 3.767 | 194.040 | 1.000 | 14.783 |
| 10/19/2016 4:44:45 PM | 585000.000 | 143.170 | 21.346 |
| 326.328 | 5154.789 | 5541.501 | 3.032 |
| 3.768 | 193.994 | 1.000 | 14.782 |
| 10/19/2016 4:59:45 PM | 585900.000 | 143.206 | 21.346 |
| 326.412 | 5153.001 | 5539.629 | 3.031 |
| 3.767 | 194.062 | 1.000 | 14.780 |
| 10/19/2016 5:14:45 PM | 586800.000 | 143.174 | 21.343 |
| 326.337 | 5153.606 | 5540.629 | 3.032 |
| 3.768 | 194.039 | 1.000 | 14.778 |
| 10/19/2016 5:29:45 PM | 587700.000 | 143.172 | 21.344 |

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| 326.332 | 5152.789 | 5539.631 | 3.031 |
| 3.767 | 194.070 | 1.000 | 14.777 |
| 10/19/2016 5:44:45 PM | 588600.000 | 143.212 | 21.347 |
| 326.424 | 5153.983 | 5540.576 | 3.032 |
| 3.768 | 194.025 | 1.000 | 14.778 |
| 10/19/2016 5:59:45 PM | 589500.000 | 143.171 | 21.350 |
| 326.332 | 5154.490 | 5540.761 | 3.032 |
| 3.768 | 194.006 | 1.000 | 14.779 |
| 10/19/2016 6:14:45 PM | 590400.000 | 143.211 | 21.348 |
| 326.421 | 5153.958 | 5540.390 | 3.032 |
| 3.767 | 194.026 | 1.000 | 14.779 |
| 10/19/2016 6:29:45 PM | 591300.000 | 143.212 | 21.349 |
| 326.424 | 5154.078 | 5540.478 | 3.032 |
| 3.768 | 194.021 | 1.000 | 14.774 |
| 10/19/2016 6:44:45 PM | 592200.000 | 143.213 | 21.349 |
| 326.426 | 5154.232 | 5540.545 | 3.032 |
| 3.768 | 194.015 | 1.000 | 14.779 |
| 10/19/2016 6:59:45 PM | 593100.000 | 143.219 | 21.352 |
| 326.439 | 5153.709 | 5539.723 | 3.031 |
| 3.767 | 194.035 | 1.000 | 14.776 |
| 10/19/2016 7:14:45 PM | 594000.000 | 143.180 | 21.350 |
| 326.350 | 5155.011 | 5541.291 | 3.032 |
| 3.768 | 193.986 | 1.000 | 14.775 |
| 10/19/2016 7:29:45 PM | 594900.000 | 143.179 | 21.346 |
| 326.349 | 5153.457 | 5540.139 | 3.032 |
| 3.767 | 194.044 | 1.000 | 14.782 |
| 10/19/2016 7:44:45 PM | 595800.000 | 143.181 | 21.342 |
| 326.354 | 5153.757 | 5540.911 | 3.032 |
| 3.768 | 194.033 | 1.000 | 14.782 |
| 10/19/2016 7:59:45 PM | 596700.000 | 143.227 | 21.341 |
| 326.460 | 5153.828 | 5541.067 | 3.032 |
| 3.768 | 194.031 | 1.000 | 14.783 |
| 10/19/2016 8:14:45 PM | 597600.000 | 143.214 | 21.344 |
| 326.429 | 5153.963 | 5540.934 | 3.032 |
| 3.768 | 194.025 | 1.000 | 14.787 |
| 10/19/2016 8:29:45 PM | 598500.000 | 143.182 | 21.341 |
| 326.357 | 5153.889 | 5541.183 | 3.032 |
| 3.768 | 194.028 | 1.000 | 14.785 |
| 10/19/2016 8:44:45 PM | 599400.000 | 143.194 | 21.339 |
| 326.383 | 5154.072 | 5541.588 | 3.032 |
| 3.768 | 194.021 | 1.000 | 14.781 |
| 10/19/2016 8:59:45 PM | 600300.000 | 143.213 | 21.341 |
| 326.428 | 5153.966 | 5541.255 | 3.032 |
| 3.768 | 194.025 | 1.000 | 14.786 |
| 10/19/2016 9:14:45 PM | 601200.000 | 143.176 | 21.348 |
| 326.343 | 5155.491 | 5542.037 | 3.033 |
| 3.769 | 193.968 | 1.000 | 14.787 |
| 10/19/2016 9:29:45 PM | 602100.000 | 143.208 | 21.349 |
| 326.415 | 5155.476 | 5541.911 | 3.033 |
| 3.768 | 193.969 | 1.000 | 14.792 |
| 10/19/2016 9:44:45 PM | 603000.000 | 143.198 | 21.352 |
| 326.393 | 5154.878 | 5540.969 | 3.032 |
| 3.768 | 193.991 | 1.000 | 14.792 |
| 10/19/2016 9:59:45 PM | 603900.000 | 143.211 | 21.344 |
| 326.422 | 5154.036 | 5540.992 | 3.032 |

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| 3.768 | 194.023 | 1.000 | 14.790 |
| 10/19/2016 10:14:45 PM | 604800.000 | 143.179 | 21.330 |
| 326.349 | 5152.231 | 5540.596 | 3.032 |
| 3.768 | 194.091 | 1.000 | 14.794 |
| 10/19/2016 10:29:45 PM | 605700.000 | 143.171 | 21.324 |
| 326.331 | 5149.436 | 5538.268 | 3.030 |
| 3.766 | 194.196 | 1.000 | 14.790 |
| 10/19/2016 10:44:45 PM | 606600.000 | 143.175 | 21.325 |
| 326.340 | 5147.954 | 5536.565 | 3.029 |
| 3.765 | 194.252 | 1.000 | 14.786 |
| 10/19/2016 10:59:45 PM | 607500.000 | 143.187 | 21.343 |
| 326.368 | 5148.999 | 5535.704 | 3.029 |
| 3.764 | 194.213 | 1.000 | 14.794 |
| 10/19/2016 11:14:45 PM | 608400.000 | 143.159 | 21.347 |
| 326.304 | 5150.712 | 5536.989 | 3.030 |
| 3.765 | 194.148 | 1.000 | 14.793 |
| 10/19/2016 11:29:45 PM | 609300.000 | 143.164 | 21.332 |
| 326.316 | 5147.331 | 5535.096 | 3.029 |
| 3.764 | 194.275 | 1.000 | 14.792 |
| 10/19/2016 11:44:45 PM | 610200.000 | 143.166 | 21.339 |
| 326.320 | 5148.038 | 5535.100 | 3.029 |
| 3.764 | 194.249 | 1.000 | 14.790 |
| 10/19/2016 11:59:45 PM | 611100.000 | 143.165 | 21.332 |
| 326.316 | 5147.917 | 5535.757 | 3.029 |
| 3.764 | 194.253 | 1.000 | 14.794 |

Serial_number:
1071288
Project ID:
MPWSP TSW Long Term
Location:
MPWSP MW-5M
LEVEL
UNIT: ft
Offset: 0.000000 ft
Altitude: 0.000000 ft
Density: 1.000000 kg/L
TEMPERATURE
UNIT: Deg C
CONDUCTIVITY
UNIT: µS/cm

| Date | Time | ms | LEVEL | TEMPERATURE | CONDUCTIVITY |
|---|---|---|---|---|---|
| 10/13/2016 | 0:00:00 | 0 | 86.084 | 16.5 | 1214.5 |
| 10/13/2016 | 0:15:00 | 0 | 86.12 | 16.5 | 1213.3 |
| 10/13/2016 | 0:30:00 | 0 | 86.102 | 16.5 | 1213.3 |
| 10/13/2016 | 0:45:00 | 0 | 86.092 | 16.5 | 1215.6 |
| 10/13/2016 | 1:00:00 | 0 | 86.108 | 16.6 | 1211.2 |
| 10/13/2016 | 1:15:00 | 0 | 86.091 | 16.5 | 1215.6 |
| 10/13/2016 | 1:30:00 | 0 | 86.097 | 16.6 | 1211.2 |
| 10/13/2016 | 1:45:00 | 0 | 86.119 | 16.5 | 1214.5 |
| 10/13/2016 | 2:00:00 | 0 | 86.117 | 16.5 | 1214.5 |
| 10/13/2016 | 2:15:00 | 0 | 86.115 | 16.5 | 1214.5 |
| 10/13/2016 | 2:30:00 | 0 | 86.115 | 16.5 | 1214.5 |
| 10/13/2016 | 2:45:00 | 0 | 86.16 | 16.5 | 1214.5 |
| 10/13/2016 | 3:00:00 | 0 | 86.12 | 16.5 | 1213.3 |
| 10/13/2016 | 3:15:00 | 0 | 86.126 | 16.5 | 1214.5 |
| 10/13/2016 | 3:30:00 | 0 | 86.173 | 16.5 | 1213.3 |
| 10/13/2016 | 3:45:00 | 0 | 86.137 | 16.5 | 1214.5 |
| 10/13/2016 | 4:00:00 | 0 | 86.141 | 16.5 | 1214.5 |
| 10/13/2016 | 4:15:00 | 0 | 86.162 | 16.5 | 1214.5 |
| 10/13/2016 | 4:30:00 | 0 | 86.159 | 16.5 | 1215.6 |
| 10/13/2016 | 4:45:00 | 0 | 86.165 | 16.5 | 1213.3 |
| 10/13/2016 | 5:00:00 | 0 | 86.149 | 16.5 | 1213.3 |
| 10/13/2016 | 5:15:00 | 0 | 86.17 | 16.5 | 1213.3 |
| 10/13/2016 | 5:30:00 | 0 | 86.151 | 16.6 | 1212.4 |
| 10/13/2016 | 5:45:00 | 0 | 86.191 | 16.5 | 1214.5 |
| 10/13/2016 | 6:00:00 | 0 | 86.169 | 16.5 | 1213.3 |
| 10/13/2016 | 6:15:00 | 0 | 86.207 | 16.5 | 1213.3 |
| 10/13/2016 | 6:30:00 | 0 | 86.15 | 16.5 | 1214.5 |
| 10/13/2016 | 6:45:00 | 0 | 86.154 | 16.5 | 1213.3 |
| 10/13/2016 | 7:00:00 | 0 | 86.178 | 16.5 | 1213.3 |
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| 10/13/2016 | 7:30:00 | 0 | 86.182 | 16.5 | 1214.5 |

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|---|---|---|---|---|---|
| 10/13/2016 | 7:45:00 | 0 | 86.168 | 16.5 | 1213.3 |
| 10/13/2016 | 8:00:00 | 0 | 86.151 | 16.5 | 1214.5 |
| 10/13/2016 | 8:15:00 | 0 | 86.162 | 16.5 | 1214.5 |
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| 10/13/2016 | 8:45:00 | 0 | 86.175 | 16.5 | 1215.6 |
| 10/13/2016 | 9:00:00 | 0 | 86.12 | 16.5 | 1214.5 |
| 10/13/2016 | 9:15:00 | 0 | 86.15 | 16.6 | 1212.4 |
| 10/13/2016 | 9:30:00 | 0 | 86.136 | 16.5 | 1214.5 |
| 10/13/2016 | 9:45:00 | 0 | 86.202 | 16.5 | 1214.5 |
| 10/13/2016 | 10:00:00 | 0 | 86.122 | 16.5 | 1214.5 |
| 10/13/2016 | 10:15:00 | 0 | 86.137 | 16.5 | 1213.3 |
| 10/13/2016 | 10:30:00 | 0 | 86.156 | 16.5 | 1214.5 |
| 10/13/2016 | 10:45:00 | 0 | 86.135 | 16.5 | 1214.5 |
| 10/13/2016 | 11:00:00 | 0 | 86.134 | 16.5 | 1214.5 |
| 10/13/2016 | 11:15:00 | 0 | 86.152 | 16.5 | 1214.5 |
| 10/13/2016 | 11:30:00 | 0 | 86.133 | 16.5 | 1214.5 |
| 10/13/2016 | 11:45:00 | 0 | 86.151 | 16.5 | 1215.6 |
| 10/13/2016 | 12:00:00 | 0 | 86.155 | 16.5 | 1213.3 |
| 10/13/2016 | 12:15:00 | 0 | 86.14 | 16.5 | 1214.5 |
| 10/13/2016 | 12:30:00 | 0 | 86.16 | 16.5 | 1214.5 |
| 10/13/2016 | 12:45:00 | 0 | 86.168 | 16.5 | 1213.3 |
| 10/13/2016 | 13:00:00 | 0 | 86.175 | 16.5 | 1215.6 |
| 10/13/2016 | 13:15:00 | 0 | 86.183 | 16.6 | 1211.2 |
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| 10/13/2016 | 13:45:00 | 0 | 86.153 | 16.5 | 1213.3 |
| 10/13/2016 | 14:00:00 | 0 | 86.113 | 16.5 | 1213.3 |
| 10/13/2016 | 14:15:00 | 0 | 86.177 | 16.5 | 1213.3 |
| 10/13/2016 | 14:30:00 | 0 | 86.183 | 16.5 | 1214.5 |
| 10/13/2016 | 14:45:00 | 0 | 86.147 | 16.5 | 1214.5 |
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| 10/13/2016 | 15:15:00 | 0 | 86.175 | 16.5 | 1215.6 |
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| 10/13/2016 | 15:45:00 | 0 | 86.14 | 16.5 | 1213.3 |
| 10/13/2016 | 16:00:00 | 0 | 86.126 | 16.5 | 1215.6 |
| 10/13/2016 | 16:15:00 | 0 | 86.109 | 16.5 | 1214.5 |
| 10/13/2016 | 16:30:00 | 0 | 86.157 | 16.5 | 1214.5 |
| 10/13/2016 | 16:45:00 | 0 | 86.163 | 16.5 | 1214.5 |
| 10/13/2016 | 17:00:00 | 0 | 86.186 | 16.5 | 1213.3 |
| 10/13/2016 | 17:15:00 | 0 | 86.178 | 16.5 | 1213.3 |
| 10/13/2016 | 17:30:00 | 0 | 86.16 | 16.5 | 1213.3 |
| 10/13/2016 | 17:45:00 | 0 | 86.177 | 16.5 | 1213.3 |
| 10/13/2016 | 18:00:00 | 0 | 86.156 | 16.5 | 1213.3 |
| 10/13/2016 | 18:15:00 | 0 | 86.177 | 16.5 | 1213.3 |
| 10/13/2016 | 18:30:00 | 0 | 86.188 | 16.5 | 1213.3 |
| 10/13/2016 | 18:45:00 | 0 | 86.173 | 16.5 | 1213.3 |
| 10/13/2016 | 19:00:00 | 0 | 86.172 | 16.5 | 1213.3 |
| 10/13/2016 | 19:15:00 | 0 | 86.203 | 16.5 | 1213.3 |

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|---|---|---|---|---|---|
| 10/13/2016 | 19:30:00 | 0 | 86.181 | 16.5 | 1213.3 |
| 10/13/2016 | 19:45:00 | 0 | 86.203 | 16.5 | 1213.3 |
| 10/13/2016 | 20:00:00 | 0 | 86.181 | 16.5 | 1213.3 |
| 10/13/2016 | 20:15:00 | 0 | 86.197 | 16.5 | 1213.3 |
| 10/13/2016 | 20:30:00 | 0 | 86.2 | 16.5 | 1213.3 |
| 10/13/2016 | 20:45:00 | 0 | 86.215 | 16.5 | 1213.3 |
| 10/13/2016 | 21:00:00 | 0 | 86.196 | 16.5 | 1213.3 |
| 10/13/2016 | 21:15:00 | 0 | 86.197 | 16.5 | 1213.3 |
| 10/13/2016 | 21:30:00 | 0 | 86.187 | 16.5 | 1213.3 |
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| 10/13/2016 | 22:45:00 | 0 | 86.201 | 16.5 | 1213.3 |
| 10/13/2016 | 23:00:00 | 0 | 86.177 | 16.5 | 1213.3 |
| 10/13/2016 | 23:15:00 | 0 | 86.218 | 16.5 | 1212.1 |
| 10/13/2016 | 23:30:00 | 0 | 86.228 | 16.5 | 1212.1 |
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| 10/14/2016 | 0:30:00 | 0 | 86.218 | 16.5 | 1213.3 |
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| 10/14/2016 | 1:15:00 | 0 | 86.23 | 16.5 | 1213.3 |
| 10/14/2016 | 1:30:00 | 0 | 86.235 | 16.5 | 1213.3 |
| 10/14/2016 | 1:45:00 | 0 | 86.234 | 16.5 | 1213.3 |
| 10/14/2016 | 2:00:00 | 0 | 86.212 | 16.5 | 1213.3 |
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| 10/14/2016 | 3:00:00 | 0 | 86.23 | 16.5 | 1213.3 |
| 10/14/2016 | 3:15:00 | 0 | 86.247 | 16.5 | 1213.3 |
| 10/14/2016 | 3:30:00 | 0 | 86.282 | 16.5 | 1213.3 |
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| 10/14/2016 | 6:45:00 | 0 | 86.301 | 16.5 | 1212.1 |
| 10/14/2016 | 7:00:00 | 0 | 86.266 | 16.5 | 1212.1 |

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| 10/14/2016 | 7:30:00 | 0 | 86.301 | 16.5 | 1214.5 |
| 10/14/2016 | 7:45:00 | 0 | 86.299 | 16.5 | 1213.3 |
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| 10/14/2016 | 9:00:00 | 0 | 86.273 | 16.5 | 1213.3 |
| 10/14/2016 | 9:15:00 | 0 | 86.29 | 16.5 | 1213.3 |
| 10/14/2016 | 9:30:00 | 0 | 86.266 | 16.5 | 1212.1 |
| 10/14/2016 | 9:45:00 | 0 | 86.247 | 16.5 | 1213.3 |
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| 10/14/2016 | 10:15:00 | 0 | 86.295 | 16.5 | 1214.5 |
| 10/14/2016 | 10:30:00 | 0 | 86.257 | 16.5 | 1213.3 |
| 10/14/2016 | 10:45:00 | 0 | 86.274 | 16.5 | 1213.3 |
| 10/14/2016 | 11:00:00 | 0 | 86.278 | 16.5 | 1214.5 |
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| 10/14/2016 | 11:30:00 | 0 | 86.247 | 16.5 | 1213.3 |
| 10/14/2016 | 11:45:00 | 0 | 86.293 | 16.5 | 1213.3 |
| 10/14/2016 | 12:00:00 | 0 | 86.317 | 16.5 | 1213.3 |
| 10/14/2016 | 12:15:00 | 0 | 86.281 | 16.5 | 1213.3 |
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| 10/14/2016 | 12:45:00 | 0 | 86.243 | 16.5 | 1213.3 |
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| 10/14/2016 | 13:15:00 | 0 | 86.278 | 16.5 | 1213.3 |
| 10/14/2016 | 13:30:00 | 0 | 86.342 | 16.5 | 1213.3 |
| 10/14/2016 | 13:45:00 | 0 | 86.293 | 16.5 | 1213.3 |
| 10/14/2016 | 14:00:00 | 0 | 86.301 | 16.5 | 1213.3 |
| 10/14/2016 | 14:15:00 | 0 | 86.282 | 16.5 | 1213.3 |
| 10/14/2016 | 14:30:00 | 0 | 86.366 | 16.5 | 1213.3 |
| 10/14/2016 | 14:45:00 | 0 | 86.308 | 16.5 | 1213.3 |
| 10/14/2016 | 15:00:00 | 0 | 86.314 | 16.5 | 1215.6 |
| 10/14/2016 | 15:15:00 | 0 | 86.298 | 16.5 | 1214.5 |
| 10/14/2016 | 15:30:00 | 0 | 86.278 | 16.5 | 1213.3 |
| 10/14/2016 | 15:45:00 | 0 | 86.326 | 16.5 | 1213.3 |
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| 10/14/2016 | 16:15:00 | 0 | 86.321 | 16.5 | 1213.3 |
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Serial_number:
1071264
Project ID:
MPWSP TSW Long Term Pumping
Location:
MPWSP MW-5S
LEVEL
UNIT: ft
Offset: 0.000000 ft
Altitude: 80.000000 ft
Density: 1.000000 kg/L
TEMPERATURE
UNIT: Deg C
CONDUCTIVITY
UNIT: µS/cm

| Date | Time | ms | LEVEL | TEMPERATURE | CONDUCTIVITY |
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| 10/13/2016 | 0:15:00 | 0 | 27.419 | 16.2 | 2045.1 |
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| 10/13/2016 | 1:00:00 | 0 | 27.427 | 16.2 | 2046.2 |
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| 10/18/2016 | 22:45:00 | 0 | 27.462 | 16.2 | 2047.4 |
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| 10/19/2016 | 6:45:00 | 0 | 27.472 | 16.2 | 2047.4 |
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| 10/19/2016 | 7:30:00 | 0 | 27.446 | 16.2 | 2047.4 |
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Serial_number:
1071327
Project ID:
MPWSP TSW Long Term Pumping
Location:
MPWSP MW-6D
LEVEL
UNIT: ft
Offset: 0.000000 ft
Altitude: 0.000000 ft
Density: 1.000000 kg/L
TEMPERATURE
UNIT: Deg C
CONDUCTIVITY
UNIT: µS/cm

| Date | Time | ms | LEVEL | TEMPERATURE | CONDUCTIVITY |
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| 10/13/2016 | 0:00:00 | 0 | 147.285 | 16.1 | 2643.4 |
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| 10/13/2016 | 1:00:00 | 0 | 147.191 | 16.1 | 2642.3 |
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| 10/13/2016 | 1:30:00 | 0 | 147.16 | 16.1 | 2642.3 |
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| 10/13/2016 | 2:15:00 | 0 | 147.139 | 16.1 | 2642.3 |
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| 10/13/2016 | 4:30:00 | 0 | 147.084 | 16.1 | 2641.1 |
| 10/13/2016 | 4:45:00 | 0 | 147.13 | 16.1 | 2642.3 |
| 10/13/2016 | 5:00:00 | 0 | 147.114 | 16.1 | 2642.3 |
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| 10/13/2016 | 6:00:00 | 0 | 147.173 | 16.1 | 2641.1 |
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| 10/13/2016 | 6:45:00 | 0 | 147.139 | 16.1 | 2642.3 |
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| 10/14/2016 | 16:45:00 | 0 | 148.154 | 16.1 | 2642.3 |
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| 10/14/2016 | 23:45:00 | 0 | 148.261 | 16.1 | 2638.7 |
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| 10/15/2016 | 22:15:00 | 0 | 148.821 | 16.1 | 2645.8 |
| 10/15/2016 | 22:30:00 | 0 | 148.782 | 16.1 | 2645.8 |
| 10/15/2016 | 22:45:00 | 0 | 148.803 | 16.1 | 2645.8 |
| 10/15/2016 | 23:00:00 | 0 | 148.805 | 16.1 | 2645.8 |
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| 10/16/2016 | 1:45:00 | 0 | 148.541 | 16.1 | 2645.8 |
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| 10/16/2016 | 20:30:00 | 0 | 149.484 | 16.1 | 2651.7 |
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| 10/17/2016 | 5:15:00 | 0 | 149.029 | 16.1 | 2652.9 |
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| 10/17/2016 | 5:45:00 | 0 | 149.135 | 16.1 | 2652.9 |
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| 10/17/2016 | 9:45:00 | 0 | 149.417 | 16.1 | 2656.4 |
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| 10/17/2016 | 10:45:00 | 0 | 149.48 | 16.1 | 2656.4 |
| 10/17/2016 | 11:00:00 | 0 | 149.482 | 16.1 | 2656.4 |
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| 10/17/2016 | 18:30:00 | 0 | 149.583 | 16.1 | 2657.6 |
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| 10/17/2016 | 20:00:00 | 0 | 149.58 | 16.1 | 2658.7 |
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| 10/17/2016 | 22:15:00 | 0 | 149.616 | 16.1 | 2658.7 |
| 10/17/2016 | 22:30:00 | 0 | 149.614 | 16.1 | 2658.7 |
| 10/17/2016 | 22:45:00 | 0 | 149.67 | 16.1 | 2659.9 |
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| 10/18/2016 | 1:00:00 | 0 | 149.617 | 16.1 | 2659.9 |
| 10/18/2016 | 1:15:00 | 0 | 149.651 | 16.1 | 2659.9 |
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| 10/18/2016 | 1:45:00 | 0 | 149.67 | 16.1 | 2658.7 |
| 10/18/2016 | 2:00:00 | 0 | 149.654 | 16.1 | 2659.9 |
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| 10/18/2016 | 3:15:00 | 0 | 149.692 | 16.1 | 2659.9 |
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| 10/18/2016 | 5:30:00 | 0 | 149.747 | 16.1 | 2659.9 |
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| 10/18/2016 | 8:15:00 | 0 | 149.784 | 16.1 | 2662.3 |
| 10/18/2016 | 8:30:00 | 0 | 149.837 | 16.1 | 2662.3 |
| 10/18/2016 | 8:45:00 | 0 | 149.777 | 16.1 | 2662.3 |
| 10/18/2016 | 9:00:00 | 0 | 149.818 | 16.1 | 2662.3 |
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| 10/18/2016 | 12:00:00 | 0 | 149.748 | 16.1 | 2663.5 |
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| 10/18/2016 | 12:30:00 | 0 | 149.691 | 16.1 | 2663.5 |
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| 10/18/2016 | 15:15:00 | 0 | 149.503 | 16.1 | 2664.6 |
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| 10/18/2016 | 18:00:00 | 0 | 149.645 | 16.1 | 2667 |
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| 10/19/2016 | 2:00:00 | 0 | 149.577 | 16.1 | 2670.5 |
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| 10/19/2016 | 3:30:00 | 0 | 149.476 | 16.1 | 2671.7 |
| 10/19/2016 | 3:45:00 | 0 | 149.459 | 16.1 | 2669.3 |
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| 10/19/2016 | 9:45:00 | 0 | 149.11 | 16.1 | 2672.9 |
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| 10/19/2016 | 12:00:00 | 0 | 148.989 | 16.1 | 2676.4 |
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| 10/19/2016 | 14:15:00 | 0 | 149.032 | 16.1 | 2672.9 |
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| 10/19/2016 | 16:00:00 | 0 | 149.142 | 16.1 | 2675.2 |
| 10/19/2016 | 16:15:00 | 0 | 149.122 | 16.1 | 2672.9 |

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| 10/19/2016 | 16:45:00 | 0 | 149.144 | 16.1 | 2672.9 |
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| 10/19/2016 | 18:45:00 | 0 | 149.314 | 16.1 | 2675.2 |
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| 10/19/2016 | 19:45:00 | 0 | 149.298 | 16.1 | 2675.2 |
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| 10/19/2016 | 22:45:00 | 0 | 149.499 | 16.1 | 2675.2 |
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| 10/19/2016 | 23:15:00 | 0 | 149.482 | 16.1 | 2676.4 |
| 10/19/2016 | 23:30:00 | 0 | 149.518 | 16.1 | 2676.4 |
| 10/19/2016 | 23:45:00 | 0 | 149.512 | 16.1 | 2676.4 |

Report Date: 10/21/2016 8:25:47 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-6M LT Test_2016-10-20_14-27-16-088-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-6M
Device Name:
Serial Number: 440621
Firmware Version: 2.01
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 0

Log Configuration
Log Name: MPWSP MW-6M LT Test
Created By: CShaw
Computer Name: PROBOOK3
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 2/17/2016 5:06:04 PM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: 2/17/2016 5:30:00 PM Pacific Standard Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 0.999

Other Log Settings
Depth of Probe: 33.5174 (ft)
Head Pressure: 14.5162 (PSI)
Temperature: 19.5412 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

Log Notes:

| Date and Time | Note |
|---|---|
| 2/17/2016 5:06:11 PM | Used Battery: 0% Used Memory: 1% User Name: CShaw |
| 2/17/2016 5:50:59 PM | Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw Interval - Start Time: 2/17/2016 5:30:00 PM Stop Time: 2/17/2016 5:45:00 PM |
| 2/17/2016 5:53:06 PM | Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw Interval - Start Time: 2/17/2016 5:30:00 PM Stop Time: 2/17/2016 6:45:00 PM |
| 2/18/2016 10:20:27 AM | Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw Interval - Start Time: 2/17/2016 5:30:00 PM Stop Time: 2/18/2016 11:00:00 AM |
| 2/25/2016 9:31:30 AM | Log Download - Used Battery: 1% Used Memory: 1% User Name: KMakar |
| 3/3/2016 11:05:22 AM | Log Download - Used Battery: 1% Used Memory: 3% User Name: SKuiper Interval - Start Time: 1/31/2016 10:30:00 PM Stop Time: 3/3/2016 11:30:00 AM |
| 3/10/2016 2:06:02 PM | Log Download - Used Battery: 1% Used Memory: 3% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 2:15:00 PM |
| 3/17/2016 3:14:55 PM | Log Download - Used Battery: 2% Used Memory: 4% User Name: SKuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 4:00:00 PM |
| 3/24/2016 8:15:42 AM | Log Download - Used Battery: 2% Used Memory: 4% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 8:30:00 AM |
| 3/31/2016 2:13:33 PM | Log Download - Used Battery: 2% Used Memory: 6% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 3:00:00 PM |
| 4/7/2016 8:45:41 AM | Log Download - Used Battery: 3% Used Memory: 6% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 1:30:00 PM |
| 4/14/2016 8:24:00 AM | Log Download - Used Battery: 3% Used Memory: 7% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 9:00:00 AM |
| 4/21/2016 8:37:28 AM | Log Download - Used Battery: 4% Used Memory: 7% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 8:30:00 AM |
| 4/28/2016 9:52:18 AM | Log Download - Used Battery: 4% Used Memory: 9% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 10:30:00 AM |
| 5/5/2016 7:43:20 AM | Log Download - Used Battery: 4% Used Memory: 9% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 8:05:00 AM |
| 5/12/2016 8:17:34 AM | Log Download - Used Battery: 5% Used Memory: 10% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 2:30:00 PM |
| 5/12/2016 8:20:59 AM | Log Download - Used Battery: 5% Used Memory: 10% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 8:15:00 AM |
| 5/19/2016 11:18:20 AM | Log Download - Used Battery: 5% Used Memory: 12% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 1:00:00 PM |
| 5/19/2016 11:22:24 AM | Log Download - Used Battery: 5% Used Memory: 12% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 11:45:00 AM |
| 5/26/2016 8:04:01 AM | Log Download - Used Battery: 5% Used Memory: 12% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 4:45:00 PM |
| 6/2/2016 9:56:39 AM | Log Download - Used Battery: 6% Used Memory: 14% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 4:15:00 PM |
| 6/9/2016 8:06:48 AM | Log Download - Used Battery: 6% Used Memory: 14% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 5:30:00 PM |
| 6/16/2016 9:25:57 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 6/7/2016 11:30:00 PM Stop Time: 6/16/2016 10:15:00 AM |
| 6/16/2016 9:30:04 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 6/7/2016 11:30:00 PM Stop Time: 6/16/2016 9:15:00 AM |
| 6/16/2016 9:32:36 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 10:15:00 AM |

6/23/2016 8:39:02 AM Log Download - Used Battery: 7% Used Memory: 15% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 7:15:00 PM
7/1/2016 10:10:06 AM Log Download - Used Battery: 7% Used Memory: 17% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 10:15:00 AM
7/8/2016 10:40:51 AM Log Download - Used Battery: 8% Used Memory: 17% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 11:00:00 AM
7/14/2016 4:49:05 PM Log Download - Used Battery: 8% Used Memory: 18% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 5:45:00 PM
7/21/2016 4:10:15 PM Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 4:45:00 PM
7/28/2016 4:57:55 PM Log Download - Used Battery: 9% Used Memory: 20% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 5:30:00 PM
8/4/2016 2:05:41 PM Log Download - Used Battery: 9% Used Memory: 20% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 2:00:00 PM
8/11/2016 9:44:02 AM Log Download - Used Battery: 9% Used Memory: 21% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 5:00:00 PM
8/18/2016 2:05:31 PM Log Download - Used Battery: 10% Used Memory: 21% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 3:50:00 PM
8/25/2016 11:10:51 AM Log Download - Used Battery: 10% Used Memory: 23% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 12:15:00 PM
9/1/2016 8:18:29 AM Log Download - Used Battery: 10% Used Memory: 23% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 6:15:00 PM
9/8/2016 4:12:00 PM Log Download - Used Battery: 11% Used Memory: 25% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 4:45:00 PM
9/15/2016 12:00:42 PM Log Download - Used Battery: 11% Used Memory: 25% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 12:45:00 PM
9/22/2016 10:14:34 AM Log Download - Used Battery: 12% Used Memory: 26% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 10:00:00 PM
10/1/2016 8:44:03 AM Log Download - Used Battery: 12% Used Memory: 28% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 9:45:00 AM
10/7/2016 3:34:18 PM Log Download - Used Battery: 12% Used Memory: 28% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 3:45:00 PM
10/13/2016 3:11:00 PM Log Download - Used Battery: 13% Used Memory: 29% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 3:15:00 PM
10/20/2016 2:24:50 PM Log Download - Used Battery: 13% Used Memory: 29% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 3:15:00 PM
10/21/2016 8:23:58 AM User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl""

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Log Data:
Record Count: 738
Sensors: 2
1 - 440621: PCTD 100 PSIA (60.1m/197.3ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: Baro-Adj Calc
SN#: 440621 SN#: 440621 SN#: 440621 SN#: 440621 SN#: 440621 SN#: 440621 SN#: 440621 SN#: 440621

| SN#: 440621 | SN#: 440621 | SN#: 000000 | |
|---|---|---|---|
| Date and Time | Elapsed Time Seconds | Corrected Pressure (PSI) | Temperature (C) |
| Corrected Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) |
| Total Dissolved Solids (ppt) | Resistivity (ohm-cm) | Water Density (g/cm3) | Barometric Pressure (PSI) |
| 10/13/2016 12:00:00 AM | 7200.000 | 56.130 | 16.937 |
| 129.603 | 1243.119 | 1469.420 | 0.744 |
| 0.999 | 804.428 | 0.999 | 14.771 |
| 10/13/2016 12:15:00 AM | 8100.000 | 56.134 | 16.933 |
| 129.611 | 1246.243 | 1473.239 | 0.746 |
| 1.002 | 802.412 | 0.999 | 14.771 |
| 10/13/2016 12:30:00 AM | 9000.000 | 56.135 | 16.930 |
| 129.613 | 1245.266 | 1472.200 | 0.746 |
| 1.001 | 803.041 | 0.999 | 14.773 |
| 10/13/2016 12:45:00 AM | 9900.000 | 56.136 | 16.934 |
| 129.616 | 1249.529 | 1477.079 | 0.749 |
| 1.004 | 800.302 | 0.999 | 14.775 |
| 10/13/2016 1:00:00 AM | 10800.000 | 56.125 | 16.935 |
| 129.590 | 1248.127 | 1475.390 | 0.748 |
| 1.003 | 801.200 | 0.999 | 14.777 |
| 10/13/2016 1:15:00 AM | 11700.000 | 56.141 | 16.937 |
| 129.627 | 1245.029 | 1471.658 | 0.746 |
| 1.001 | 803.194 | 0.999 | 14.782 |
| 10/13/2016 1:30:00 AM | 12600.000 | 56.153 | 16.932 |
| 129.656 | 1246.900 | 1474.061 | 0.747 |
| 1.002 | 801.989 | 0.999 | 14.772 |
| 10/13/2016 1:45:00 AM | 13500.000 | 56.158 | 16.934 |
| 129.667 | 1248.805 | 1476.235 | 0.748 |
| 1.004 | 800.765 | 0.999 | 14.770 |
| 10/13/2016 2:00:00 AM | 14400.000 | 56.160 | 16.937 |
| 129.671 | 1246.184 | 1473.028 | 0.746 |
| 1.002 | 802.450 | 0.999 | 14.774 |
| 10/13/2016 2:15:00 AM | 15300.000 | 56.161 | 16.934 |
| 129.673 | 1247.627 | 1474.851 | 0.747 |
| 1.003 | 801.521 | 0.999 | 14.774 |
| 10/13/2016 2:30:00 AM | 16200.000 | 56.167 | 16.929 |
| 129.689 | 1249.206 | 1476.875 | 0.748 |
| 1.004 | 800.508 | 0.999 | 14.772 |
| 10/13/2016 2:45:00 AM | 17100.000 | 56.171 | 16.935 |
| 129.698 | 1243.423 | 1469.837 | 0.745 |
| 0.999 | 804.232 | 0.999 | 14.773 |
| 10/13/2016 3:00:00 AM | 18000.000 | 56.169 | 16.930 |
| 129.693 | 1250.943 | 1478.885 | 0.749 |
| 1.006 | 799.397 | 0.999 | 14.778 |
| 10/13/2016 3:15:00 AM | 18900.000 | 56.181 | 16.935 |
| 129.720 | 1246.407 | 1473.371 | 0.747 |
| 1.002 | 802.306 | 0.999 | 14.769 |
| 10/13/2016 3:30:00 AM | 19800.000 | 56.186 | 16.928 |
| 129.731 | 1246.886 | 1474.167 | 0.747 |
| 1.002 | 801.998 | 0.999 | 14.764 |

| | | | |
|---|---|---|---|
| 10/13/2016 3:45:00 AM | 20700.000 | 56.187 | 16.931 |
| 129.735 | 1249.625 | 1477.301 | 0.749 |
| 1.005 | 800.240 | 0.999 | 14.763 |
| 10/13/2016 4:00:00 AM | 21600.000 | 56.192 | 16.931 |
| 129.745 | 1246.824 | 1473.997 | 0.747 |
| 1.002 | 802.038 | 0.999 | 14.761 |
| 10/13/2016 4:15:00 AM | 22500.000 | 56.196 | 16.938 |
| 129.755 | 1242.746 | 1468.944 | 0.744 |
| 0.999 | 804.670 | 0.999 | 14.763 |
| 10/13/2016 4:30:00 AM | 23400.000 | 56.203 | 16.936 |
| 129.772 | 1241.668 | 1467.746 | 0.744 |
| 0.998 | 805.368 | 0.999 | 14.759 |
| 10/13/2016 4:45:00 AM | 24300.000 | 56.205 | 16.934 |
| 129.776 | 1243.059 | 1469.454 | 0.744 |
| 0.999 | 804.467 | 0.999 | 14.757 |
| 10/13/2016 5:00:00 AM | 25200.000 | 56.212 | 16.936 |
| 129.791 | 1249.634 | 1477.142 | 0.749 |
| 1.004 | 800.234 | 0.999 | 14.757 |
| 10/13/2016 5:15:00 AM | 26100.000 | 56.208 | 16.930 |
| 129.782 | 1251.454 | 1479.486 | 0.750 |
| 1.006 | 799.071 | 0.999 | 14.761 |
| 10/13/2016 5:30:00 AM | 27000.000 | 56.218 | 16.932 |
| 129.805 | 1244.222 | 1470.875 | 0.745 |
| 1.000 | 803.715 | 0.999 | 14.759 |
| 10/13/2016 5:45:00 AM | 27900.000 | 56.225 | 16.936 |
| 129.822 | 1240.703 | 1466.579 | 0.743 |
| 0.997 | 805.995 | 0.999 | 14.755 |
| 10/13/2016 6:00:00 AM | 28800.000 | 56.225 | 16.933 |
| 129.821 | 1244.184 | 1470.793 | 0.745 |
| 1.000 | 803.740 | 0.999 | 14.758 |
| 10/13/2016 6:15:00 AM | 29700.000 | 56.223 | 16.933 |
| 129.817 | 1246.026 | 1472.971 | 0.746 |
| 1.002 | 802.551 | 0.999 | 14.758 |
| 10/13/2016 6:30:00 AM | 30600.000 | 56.229 | 16.937 |
| 129.830 | 1243.097 | 1469.401 | 0.744 |
| 0.999 | 804.442 | 0.999 | 14.760 |
| 10/13/2016 6:45:00 AM | 31500.000 | 56.236 | 16.936 |
| 129.848 | 1244.664 | 1471.285 | 0.745 |
| 1.000 | 803.429 | 0.999 | 14.755 |
| 10/13/2016 7:00:00 AM | 32400.000 | 56.232 | 16.932 |
| 129.839 | 1247.951 | 1475.286 | 0.748 |
| 1.003 | 801.314 | 0.999 | 14.754 |
| 10/13/2016 7:15:00 AM | 33300.000 | 56.236 | 16.934 |
| 129.846 | 1245.429 | 1472.258 | 0.746 |
| 1.001 | 802.936 | 0.999 | 14.752 |
| 10/13/2016 7:30:00 AM | 34200.000 | 56.234 | 16.930 |
| 129.844 | 1247.702 | 1475.079 | 0.747 |
| 1.003 | 801.474 | 0.999 | 14.754 |
| 10/13/2016 7:45:00 AM | 35100.000 | 56.237 | 16.932 |
| 129.849 | 1247.492 | 1474.762 | 0.747 |
| 1.003 | 801.608 | 0.999 | 14.754 |
| 10/13/2016 8:00:00 AM | 36000.000 | 56.242 | 16.928 |
| 129.860 | 1247.993 | 1475.464 | 0.748 |
| 1.003 | 801.287 | 0.999 | 14.751 |
| 10/13/2016 8:15:00 AM | 36900.000 | 56.238 | 16.929 |

| | | | |
|---|---|---|---|
| 129.853 | 1251.831 | 1479.964 | 0.750 |
| 1.006 | 798.830 | 0.999 | 14.754 |
| 10/13/2016 8:30:00 AM | 37800.000 | 56.240 | 16.931 |
| 129.855 | 1251.082 | 1479.011 | 0.750 |
| 1.006 | 799.308 | 0.999 | 14.757 |
| 10/13/2016 8:45:00 AM | 38700.000 | 56.233 | 16.932 |
| 129.839 | 1250.153 | 1477.895 | 0.749 |
| 1.005 | 799.902 | 0.999 | 14.759 |
| 10/13/2016 9:00:00 AM | 39600.000 | 56.227 | 16.942 |
| 129.827 | 1238.766 | 1464.118 | 0.742 |
| 0.996 | 807.255 | 0.999 | 14.760 |
| 10/13/2016 9:15:00 AM | 40500.000 | 56.223 | 16.937 |
| 129.817 | 1236.211 | 1461.246 | 0.740 |
| 0.994 | 808.923 | 0.999 | 14.761 |
| 10/13/2016 9:30:00 AM | 41400.000 | 56.212 | 16.940 |
| 129.791 | 1234.914 | 1459.620 | 0.739 |
| 0.993 | 809.773 | 0.999 | 14.771 |
| 10/13/2016 9:45:00 AM | 42300.000 | 56.208 | 16.934 |
| 129.782 | 1236.302 | 1461.446 | 0.740 |
| 0.994 | 808.864 | 0.999 | 14.763 |
| 10/13/2016 10:00:00 AM | 43200.000 | 56.189 | 16.937 |
| 129.740 | 1235.322 | 1460.207 | 0.740 |
| 0.993 | 809.505 | 0.999 | 14.774 |
| 10/13/2016 10:15:00 AM | 44100.000 | 56.185 | 16.935 |
| 129.730 | 1235.330 | 1460.282 | 0.740 |
| 0.993 | 809.500 | 0.999 | 14.770 |
| 10/13/2016 10:30:00 AM | 45000.000 | 56.179 | 16.940 |
| 129.715 | 1235.262 | 1460.043 | 0.740 |
| 0.993 | 809.545 | 0.999 | 14.770 |
| 10/13/2016 10:45:00 AM | 45900.000 | 56.166 | 16.940 |
| 129.686 | 1234.602 | 1459.263 | 0.739 |
| 0.992 | 809.978 | 0.999 | 14.773 |
| 10/13/2016 11:00:00 AM | 46800.000 | 56.155 | 16.940 |
| 129.660 | 1234.428 | 1459.035 | 0.739 |
| 0.992 | 810.092 | 0.999 | 14.773 |
| 10/13/2016 11:15:00 AM | 47700.000 | 56.146 | 16.930 |
| 129.639 | 1239.173 | 1464.968 | 0.742 |
| 0.996 | 806.990 | 0.999 | 14.776 |
| 10/13/2016 11:30:00 AM | 48600.000 | 56.137 | 16.929 |
| 129.618 | 1250.837 | 1478.795 | 0.749 |
| 1.006 | 799.465 | 0.999 | 14.775 |
| 10/13/2016 11:45:00 AM | 49500.000 | 56.138 | 16.930 |
| 129.622 | 1252.530 | 1480.758 | 0.750 |
| 1.007 | 798.384 | 0.999 | 14.770 |
| 10/13/2016 12:00:00 PM | 50400.000 | 56.136 | 16.933 |
| 129.615 | 1249.660 | 1477.266 | 0.749 |
| 1.005 | 800.218 | 0.999 | 14.770 |
| 10/13/2016 12:15:00 PM | 51300.000 | 56.133 | 16.936 |
| 129.609 | 1247.651 | 1474.818 | 0.747 |
| 1.003 | 801.506 | 0.999 | 14.770 |
| 10/13/2016 12:30:00 PM | 52200.000 | 56.130 | 16.938 |
| 129.602 | 1240.690 | 1466.494 | 0.743 |
| 0.997 | 806.003 | 0.999 | 14.770 |
| 10/13/2016 12:45:00 PM | 53100.000 | 56.129 | 16.934 |
| 129.600 | 1243.799 | 1470.317 | 0.745 |

| | | | |
|---|---|---|---|
| 1.000 | 803.988 | 0.999 | 14.765 |
| 10/13/2016 1:00:00 PM | 54000.000 | 56.124 | 16.932 |
| 129.588 | 1243.932 | 1470.538 | 0.745 |
| 1.000 | 803.903 | 0.999 | 14.766 |
| 10/13/2016 1:15:00 PM | 54900.000 | 56.125 | 16.935 |
| 129.592 | 1239.938 | 1465.724 | 0.743 |
| 0.997 | 806.492 | 0.999 | 14.763 |
| 10/13/2016 1:30:00 PM | 55800.000 | 56.139 | 16.933 |
| 129.622 | 1236.136 | 1461.294 | 0.740 |
| 0.994 | 808.972 | 0.999 | 14.753 |
| 10/13/2016 1:45:00 PM | 56700.000 | 56.135 | 16.935 |
| 129.614 | 1241.398 | 1467.441 | 0.743 |
| 0.998 | 805.543 | 0.999 | 14.757 |
| 10/13/2016 2:00:00 PM | 57600.000 | 56.139 | 16.934 |
| 129.624 | 1242.497 | 1468.787 | 0.744 |
| 0.999 | 804.831 | 0.999 | 14.756 |
| 10/13/2016 2:15:00 PM | 58500.000 | 56.143 | 16.939 |
| 129.633 | 1236.885 | 1461.982 | 0.741 |
| 0.994 | 808.483 | 0.999 | 14.755 |
| 10/13/2016 2:30:00 PM | 59400.000 | 56.149 | 16.933 |
| 129.646 | 1238.236 | 1463.775 | 0.741 |
| 0.995 | 807.601 | 0.999 | 14.752 |
| 10/13/2016 2:45:00 PM | 60300.000 | 56.156 | 16.937 |
| 129.663 | 1237.708 | 1463.010 | 0.741 |
| 0.995 | 807.945 | 0.999 | 14.750 |
| 10/13/2016 3:00:00 PM | 61200.000 | 56.157 | 16.935 |
| 129.666 | 1238.018 | 1463.466 | 0.741 |
| 0.995 | 807.743 | 0.999 | 14.750 |
| 10/13/2016 3:15:00 PM | 62100.000 | 56.155 | 16.945 |
| 129.661 | 1233.639 | 1457.949 | 0.738 |
| 0.991 | 810.610 | 0.999 | 14.747 |
| 10/13/2016 3:30:00 PM | 63000.000 | 56.160 | 16.942 |
| 129.673 | 1235.377 | 1460.086 | 0.740 |
| 0.993 | 809.470 | 0.999 | 14.744 |
| 10/13/2016 3:45:00 PM | 63900.000 | 56.159 | 16.941 |
| 129.669 | 1235.022 | 1459.716 | 0.739 |
| 0.993 | 809.702 | 0.999 | 14.739 |
| 10/13/2016 4:00:00 PM | 64800.000 | 56.160 | 16.941 |
| 129.673 | 1234.649 | 1459.267 | 0.739 |
| 0.992 | 809.947 | 0.999 | 14.734 |
| 10/13/2016 4:15:00 PM | 65700.000 | 56.154 | 16.942 |
| 129.658 | 1234.546 | 1459.105 | 0.739 |
| 0.992 | 810.014 | 0.999 | 14.739 |
| 10/13/2016 4:30:00 PM | 66600.000 | 56.156 | 16.941 |
| 129.663 | 1235.240 | 1459.968 | 0.739 |
| 0.993 | 809.559 | 0.999 | 14.732 |
| 10/13/2016 4:45:00 PM | 67500.000 | 56.146 | 16.940 |
| 129.639 | 1235.360 | 1460.157 | 0.740 |
| 0.993 | 809.480 | 0.999 | 14.734 |
| 10/13/2016 5:00:00 PM | 68400.000 | 56.150 | 16.938 |
| 129.650 | 1234.605 | 1459.311 | 0.739 |
| 0.992 | 809.975 | 0.999 | 14.729 |
| 10/13/2016 5:15:00 PM | 69300.000 | 56.138 | 16.936 |
| 129.622 | 1234.927 | 1459.754 | 0.739 |
| 0.993 | 809.765 | 0.999 | 14.732 |

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|---|---|---|---|
| 10/13/2016 5:30:00 PM | 70200.000 | 56.143 | 16.941 |
| 129.632 | 1234.720 | 1459.340 | 0.739 |
| 0.992 | 809.900 | 0.999 | 14.726 |
| 10/13/2016 5:45:00 PM | 71100.000 | 56.142 | 16.938 |
| 129.630 | 1234.574 | 1459.271 | 0.739 |
| 0.992 | 809.996 | 0.999 | 14.722 |
| 10/13/2016 6:00:00 PM | 72000.000 | 56.140 | 16.940 |
| 129.626 | 1234.685 | 1459.341 | 0.739 |
| 0.992 | 809.923 | 0.999 | 14.725 |
| 10/13/2016 6:15:00 PM | 72900.000 | 56.135 | 16.941 |
| 129.613 | 1235.739 | 1460.550 | 0.740 |
| 0.993 | 809.232 | 0.999 | 14.729 |
| 10/13/2016 6:30:00 PM | 73800.000 | 56.132 | 16.938 |
| 129.607 | 1235.036 | 1459.837 | 0.739 |
| 0.993 | 809.693 | 0.999 | 14.732 |
| 10/13/2016 6:45:00 PM | 74700.000 | 56.128 | 16.940 |
| 129.597 | 1235.178 | 1459.935 | 0.739 |
| 0.993 | 809.600 | 0.999 | 14.731 |
| 10/13/2016 7:00:00 PM | 75600.000 | 56.128 | 16.941 |
| 129.598 | 1235.385 | 1460.139 | 0.740 |
| 0.993 | 809.465 | 0.999 | 14.733 |
| 10/13/2016 7:15:00 PM | 76500.000 | 56.132 | 16.942 |
| 129.607 | 1236.113 | 1460.977 | 0.740 |
| 0.993 | 808.987 | 0.999 | 14.728 |
| 10/13/2016 7:30:00 PM | 77400.000 | 56.133 | 16.940 |
| 129.610 | 1235.745 | 1460.609 | 0.740 |
| 0.993 | 809.228 | 0.999 | 14.733 |
| 10/13/2016 7:45:00 PM | 78300.000 | 56.129 | 16.938 |
| 129.599 | 1235.054 | 1459.855 | 0.739 |
| 0.993 | 809.681 | 0.999 | 14.733 |
| 10/13/2016 8:00:00 PM | 79200.000 | 56.132 | 16.938 |
| 129.606 | 1236.779 | 1461.880 | 0.740 |
| 0.994 | 808.552 | 0.999 | 14.739 |
| 10/13/2016 8:15:00 PM | 80100.000 | 56.142 | 16.936 |
| 129.629 | 1235.490 | 1460.437 | 0.740 |
| 0.993 | 809.395 | 0.999 | 14.733 |
| 10/13/2016 8:30:00 PM | 81000.000 | 56.136 | 16.939 |
| 129.615 | 1236.231 | 1461.200 | 0.740 |
| 0.994 | 808.911 | 0.999 | 14.738 |
| 10/13/2016 8:45:00 PM | 81900.000 | 56.148 | 16.941 |
| 129.643 | 1235.769 | 1460.582 | 0.740 |
| 0.993 | 809.213 | 0.999 | 14.736 |
| 10/13/2016 9:00:00 PM | 82800.000 | 56.156 | 16.939 |
| 129.663 | 1235.156 | 1459.947 | 0.739 |
| 0.993 | 809.614 | 0.999 | 14.735 |
| 10/13/2016 9:15:00 PM | 83700.000 | 56.162 | 16.940 |
| 129.676 | 1236.471 | 1461.472 | 0.740 |
| 0.994 | 808.753 | 0.999 | 14.734 |
| 10/13/2016 9:30:00 PM | 84600.000 | 56.165 | 16.938 |
| 129.683 | 1235.559 | 1460.455 | 0.740 |
| 0.993 | 809.351 | 0.999 | 14.743 |
| 10/13/2016 9:45:00 PM | 85500.000 | 56.172 | 16.941 |
| 129.700 | 1236.723 | 1461.724 | 0.740 |
| 0.994 | 808.589 | 0.999 | 14.744 |
| 10/13/2016 10:00:00 PM | 86400.000 | 56.181 | 16.940 |

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|---|---|---|---|
| 129.721 | 1236.294 | 1461.263 | 0.740 |
| 0.994 | 808.869 | 0.999 | 14.744 |
| 10/13/2016 10:15:00 PM | 87300.000 | 56.191 | 16.940 |
| 129.743 | 1235.280 | 1460.047 | 0.740 |
| 0.993 | 809.533 | 0.999 | 14.742 |
| 10/13/2016 10:30:00 PM | 88200.000 | 56.198 | 16.939 |
| 129.759 | 1235.163 | 1459.935 | 0.739 |
| 0.993 | 809.610 | 0.999 | 14.741 |
| 10/13/2016 10:45:00 PM | 89100.000 | 56.209 | 16.940 |
| 129.784 | 1235.700 | 1460.544 | 0.740 |
| 0.993 | 809.258 | 0.999 | 14.740 |
| 10/13/2016 11:00:00 PM | 90000.000 | 56.210 | 16.937 |
| 129.787 | 1236.058 | 1461.066 | 0.740 |
| 0.994 | 809.023 | 0.999 | 14.743 |
| 10/13/2016 11:15:00 PM | 90900.000 | 56.228 | 16.937 |
| 129.829 | 1237.357 | 1462.609 | 0.741 |
| 0.995 | 808.174 | 0.999 | 14.748 |
| 10/13/2016 11:30:00 PM | 91800.000 | 56.228 | 16.938 |
| 129.828 | 1237.682 | 1462.941 | 0.741 |
| 0.995 | 807.962 | 0.999 | 14.741 |
| 10/13/2016 11:45:00 PM | 92700.000 | 56.234 | 16.939 |
| 129.843 | 1239.623 | 1465.215 | 0.742 |
| 0.996 | 806.697 | 0.999 | 14.741 |
| 10/14/2016 12:00:00 AM | 93600.000 | 56.242 | 16.938 |
| 129.862 | 1238.739 | 1464.202 | 0.742 |
| 0.996 | 807.272 | 0.999 | 14.739 |
| 10/14/2016 12:15:00 AM | 94500.000 | 56.257 | 16.935 |
| 129.896 | 1238.137 | 1463.580 | 0.741 |
| 0.995 | 807.665 | 0.999 | 14.734 |
| 10/14/2016 12:30:00 AM | 95400.000 | 56.258 | 16.936 |
| 129.899 | 1236.999 | 1462.220 | 0.741 |
| 0.994 | 808.408 | 0.999 | 14.737 |
| 10/14/2016 12:45:00 AM | 96300.000 | 56.273 | 16.936 |
| 129.933 | 1240.500 | 1466.342 | 0.743 |
| 0.997 | 806.126 | 0.999 | 14.731 |
| 10/14/2016 1:00:00 AM | 97200.000 | 56.281 | 16.938 |
| 129.950 | 1240.149 | 1465.861 | 0.743 |
| 0.997 | 806.354 | 0.999 | 14.731 |
| 10/14/2016 1:15:00 AM | 98100.000 | 56.286 | 16.937 |
| 129.963 | 1238.562 | 1464.019 | 0.742 |
| 0.996 | 807.388 | 0.999 | 14.729 |
| 10/14/2016 1:30:00 AM | 99000.000 | 56.291 | 16.935 |
| 129.974 | 1241.551 | 1467.642 | 0.744 |
| 0.998 | 805.444 | 0.999 | 14.725 |
| 10/14/2016 1:45:00 AM | 99900.000 | 56.292 | 16.936 |
| 129.977 | 1241.133 | 1467.091 | 0.743 |
| 0.998 | 805.715 | 0.999 | 14.732 |
| 10/14/2016 2:00:00 AM | 100800.000 | 56.304 | 16.937 |
| 130.004 | 1241.178 | 1467.123 | 0.743 |
| 0.998 | 805.686 | 0.999 | 14.733 |
| 10/14/2016 2:15:00 AM | 101700.000 | 56.310 | 16.936 |
| 130.018 | 1239.862 | 1465.611 | 0.742 |
| 0.997 | 806.541 | 0.999 | 14.730 |
| 10/14/2016 2:30:00 AM | 102600.000 | 56.320 | 16.938 |
| 130.040 | 1239.068 | 1464.591 | 0.742 |

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|---|---|---|---|
| 0.996 | 807.058 | 0.999 | 14.730 |
| 10/14/2016 2:45:00 AM | 103500.000 | 56.321 | 16.936 |
| 130.044 | 1238.418 | 1463.878 | 0.742 |
| 0.995 | 807.482 | 0.999 | 14.732 |
| 10/14/2016 3:00:00 AM | 104400.000 | 56.336 | 16.936 |
| 130.079 | 1240.057 | 1465.841 | 0.743 |
| 0.997 | 806.415 | 0.999 | 14.727 |
| 10/14/2016 3:15:00 AM | 105300.000 | 56.329 | 16.937 |
| 130.063 | 1236.852 | 1462.021 | 0.741 |
| 0.994 | 808.504 | 0.999 | 14.732 |
| 10/14/2016 3:30:00 AM | 106200.000 | 56.335 | 16.940 |
| 130.075 | 1239.938 | 1465.559 | 0.742 |
| 0.997 | 806.492 | 0.999 | 14.734 |
| 10/14/2016 3:45:00 AM | 107100.000 | 56.341 | 16.939 |
| 130.089 | 1238.794 | 1464.224 | 0.742 |
| 0.996 | 807.237 | 0.999 | 14.733 |
| 10/14/2016 4:00:00 AM | 108000.000 | 56.345 | 16.937 |
| 130.098 | 1238.000 | 1463.367 | 0.741 |
| 0.995 | 807.754 | 0.999 | 14.736 |
| 10/14/2016 4:15:00 AM | 108900.000 | 56.348 | 16.940 |
| 130.105 | 1236.693 | 1461.729 | 0.740 |
| 0.994 | 808.608 | 0.999 | 14.736 |
| 10/14/2016 4:30:00 AM | 109800.000 | 56.352 | 16.939 |
| 130.116 | 1237.867 | 1463.140 | 0.741 |
| 0.995 | 807.841 | 0.999 | 14.735 |
| 10/14/2016 4:45:00 AM | 110700.000 | 56.364 | 16.940 |
| 130.143 | 1237.163 | 1462.258 | 0.741 |
| 0.994 | 808.301 | 0.999 | 14.725 |
| 10/14/2016 5:00:00 AM | 111600.000 | 56.361 | 16.937 |
| 130.136 | 1235.119 | 1459.949 | 0.739 |
| 0.993 | 809.639 | 0.999 | 14.731 |
| 10/14/2016 5:15:00 AM | 112500.000 | 56.373 | 16.935 |
| 130.163 | 1236.361 | 1461.492 | 0.740 |
| 0.994 | 808.825 | 0.999 | 14.724 |
| 10/14/2016 5:30:00 AM | 113400.000 | 56.368 | 16.937 |
| 130.152 | 1235.803 | 1460.758 | 0.740 |
| 0.993 | 809.191 | 0.999 | 14.726 |
| 10/14/2016 5:45:00 AM | 114300.000 | 56.384 | 16.937 |
| 130.190 | 1235.898 | 1460.890 | 0.740 |
| 0.993 | 809.128 | 0.999 | 14.721 |
| 10/14/2016 6:00:00 AM | 115200.000 | 56.383 | 16.939 |
| 130.188 | 1234.975 | 1459.713 | 0.739 |
| 0.993 | 809.733 | 0.999 | 14.726 |
| 10/14/2016 6:15:00 AM | 116100.000 | 56.389 | 16.937 |
| 130.202 | 1234.826 | 1459.614 | 0.739 |
| 0.993 | 809.831 | 0.999 | 14.722 |
| 10/14/2016 6:30:00 AM | 117000.000 | 56.387 | 16.940 |
| 130.196 | 1234.619 | 1459.265 | 0.739 |
| 0.992 | 809.967 | 0.999 | 14.728 |
| 10/14/2016 6:45:00 AM | 117900.000 | 56.389 | 16.941 |
| 130.201 | 1235.647 | 1460.444 | 0.740 |
| 0.993 | 809.292 | 0.999 | 14.726 |
| 10/14/2016 7:00:00 AM | 118800.000 | 56.399 | 16.941 |
| 130.224 | 1235.483 | 1460.259 | 0.740 |
| 0.993 | 809.400 | 0.999 | 14.723 |

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|---|---|---|---|
| 10/14/2016 7:15:00 AM | 119700.000 | 56.399 | 16.936 |
| 130.224 | 1234.784 | 1459.583 | 0.739 |
| 0.993 | 809.858 | 0.999 | 14.727 |
| 10/14/2016 7:30:00 AM | 120600.000 | 56.408 | 16.938 |
| 130.245 | 1235.196 | 1460.012 | 0.739 |
| 0.993 | 809.588 | 0.999 | 14.725 |
| 10/14/2016 7:45:00 AM | 121500.000 | 56.409 | 16.942 |
| 130.246 | 1234.469 | 1459.028 | 0.739 |
| 0.992 | 810.065 | 0.999 | 14.723 |
| 10/14/2016 8:00:00 AM | 122400.000 | 56.411 | 16.940 |
| 130.252 | 1235.255 | 1460.023 | 0.739 |
| 0.993 | 809.550 | 0.999 | 14.726 |
| 10/14/2016 8:15:00 AM | 123300.000 | 56.408 | 16.936 |
| 130.245 | 1233.889 | 1458.533 | 0.739 |
| 0.992 | 810.446 | 0.999 | 14.735 |
| 10/14/2016 8:30:00 AM | 124200.000 | 56.413 | 16.939 |
| 130.256 | 1235.147 | 1459.924 | 0.739 |
| 0.993 | 809.620 | 0.999 | 14.729 |
| 10/14/2016 8:45:00 AM | 125100.000 | 56.412 | 16.941 |
| 130.253 | 1234.708 | 1459.327 | 0.739 |
| 0.992 | 809.908 | 0.999 | 14.733 |
| 10/14/2016 9:00:00 AM | 126000.000 | 56.420 | 16.941 |
| 130.272 | 1234.224 | 1458.771 | 0.739 |
| 0.992 | 810.225 | 0.999 | 14.734 |
| 10/14/2016 9:15:00 AM | 126900.000 | 56.417 | 16.939 |
| 130.266 | 1235.565 | 1460.431 | 0.740 |
| 0.993 | 809.346 | 0.999 | 14.741 |
| 10/14/2016 9:30:00 AM | 127800.000 | 56.424 | 16.936 |
| 130.281 | 1234.740 | 1459.554 | 0.739 |
| 0.992 | 809.887 | 0.999 | 14.736 |
| 10/14/2016 9:45:00 AM | 128700.000 | 56.421 | 16.941 |
| 130.274 | 1234.293 | 1458.860 | 0.739 |
| 0.992 | 810.181 | 0.999 | 14.743 |
| 10/14/2016 10:00:00 AM | 129600.000 | 56.429 | 16.941 |
| 130.293 | 1234.704 | 1459.343 | 0.739 |
| 0.992 | 809.911 | 0.999 | 14.736 |
| 10/14/2016 10:15:00 AM | 130500.000 | 56.431 | 16.940 |
| 130.298 | 1233.799 | 1458.315 | 0.739 |
| 0.992 | 810.505 | 0.999 | 14.734 |
| 10/14/2016 10:30:00 AM | 131400.000 | 56.441 | 16.936 |
| 130.320 | 1237.109 | 1462.357 | 0.741 |
| 0.994 | 808.336 | 0.999 | 14.724 |
| 10/14/2016 10:45:00 AM | 132300.000 | 56.431 | 16.942 |
| 130.298 | 1234.328 | 1458.866 | 0.739 |
| 0.992 | 810.158 | 0.999 | 14.734 |
| 10/14/2016 11:00:00 AM | 133200.000 | 56.431 | 16.936 |
| 130.298 | 1234.664 | 1459.444 | 0.739 |
| 0.992 | 809.937 | 0.999 | 14.735 |
| 10/14/2016 11:15:00 AM | 134100.000 | 56.431 | 16.938 |
| 130.298 | 1234.590 | 1459.307 | 0.739 |
| 0.992 | 809.985 | 0.999 | 14.733 |
| 10/14/2016 11:30:00 AM | 135000.000 | 56.436 | 16.937 |
| 130.308 | 1233.797 | 1458.386 | 0.739 |
| 0.992 | 810.506 | 0.999 | 14.731 |
| 10/14/2016 11:45:00 AM | 135900.000 | 56.435 | 16.941 |

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|---|---|---|---|
| 130.306 | 1234.494 | 1459.098 | 0.739 |
| 0.992 | 810.048 | 0.999 | 14.730 |
| 10/14/2016 12:00:00 PM | 136800.000 | 56.440 | 16.938 |
| 130.319 | 1233.901 | 1458.501 | 0.739 |
| 0.992 | 810.438 | 0.999 | 14.729 |
| 10/14/2016 12:15:00 PM | 137700.000 | 56.440 | 16.942 |
| 130.318 | 1234.713 | 1459.329 | 0.739 |
| 0.992 | 809.905 | 0.999 | 14.728 |
| 10/14/2016 12:30:00 PM | 138600.000 | 56.451 | 16.938 |
| 130.343 | 1234.203 | 1458.827 | 0.739 |
| 0.992 | 810.239 | 0.999 | 14.721 |
| 10/14/2016 12:45:00 PM | 139500.000 | 56.445 | 16.941 |
| 130.329 | 1234.125 | 1458.639 | 0.739 |
| 0.992 | 810.291 | 0.999 | 14.727 |
| 10/14/2016 1:00:00 PM | 140400.000 | 56.444 | 16.939 |
| 130.327 | 1234.721 | 1459.419 | 0.739 |
| 0.992 | 809.899 | 0.999 | 14.725 |
| 10/14/2016 1:15:00 PM | 141300.000 | 56.449 | 16.939 |
| 130.339 | 1234.462 | 1459.121 | 0.739 |
| 0.992 | 810.069 | 0.999 | 14.716 |
| 10/14/2016 1:30:00 PM | 142200.000 | 56.453 | 16.938 |
| 130.348 | 1233.460 | 1457.960 | 0.738 |
| 0.991 | 810.727 | 0.999 | 14.716 |
| 10/14/2016 1:45:00 PM | 143100.000 | 56.460 | 16.938 |
| 130.365 | 1233.838 | 1458.401 | 0.739 |
| 0.992 | 810.479 | 0.999 | 14.708 |
| 10/14/2016 2:00:00 PM | 144000.000 | 56.459 | 16.940 |
| 130.362 | 1234.103 | 1458.645 | 0.739 |
| 0.992 | 810.305 | 0.999 | 14.709 |
| 10/14/2016 2:15:00 PM | 144900.000 | 56.462 | 16.938 |
| 130.368 | 1234.374 | 1459.048 | 0.739 |
| 0.992 | 810.127 | 0.999 | 14.710 |
| 10/14/2016 2:30:00 PM | 145800.000 | 56.463 | 16.938 |
| 130.372 | 1233.968 | 1458.562 | 0.739 |
| 0.992 | 810.394 | 0.999 | 14.708 |
| 10/14/2016 2:45:00 PM | 146700.000 | 56.465 | 16.938 |
| 130.375 | 1233.880 | 1458.476 | 0.739 |
| 0.992 | 810.451 | 0.999 | 14.705 |
| 10/14/2016 3:00:00 PM | 147600.000 | 56.465 | 16.941 |
| 130.377 | 1233.650 | 1458.083 | 0.738 |
| 0.991 | 810.603 | 0.999 | 14.703 |
| 10/14/2016 3:15:00 PM | 148500.000 | 56.466 | 16.939 |
| 130.378 | 1233.965 | 1458.522 | 0.739 |
| 0.992 | 810.395 | 0.999 | 14.703 |
| 10/14/2016 3:30:00 PM | 149400.000 | 56.475 | 16.938 |
| 130.399 | 1233.965 | 1458.548 | 0.739 |
| 0.992 | 810.396 | 0.999 | 14.697 |
| 10/14/2016 3:45:00 PM | 150300.000 | 56.475 | 16.937 |
| 130.399 | 1234.178 | 1458.848 | 0.739 |
| 0.992 | 810.256 | 0.999 | 14.696 |
| 10/14/2016 4:00:00 PM | 151200.000 | 56.469 | 16.936 |
| 130.385 | 1234.376 | 1459.104 | 0.739 |
| 0.992 | 810.126 | 0.999 | 14.704 |
| 10/14/2016 4:15:00 PM | 152100.000 | 56.481 | 16.937 |
| 130.413 | 1234.846 | 1459.626 | 0.739 |

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|---|---|---|---|
| 0.993 | 809.818 | 0.999 | 14.700 |
| 10/14/2016 4:30:00 PM | 153000.000 | 56.489 | 16.936 |
| 130.431 | 1234.617 | 1459.385 | 0.739 |
| 0.992 | 809.968 | 0.999 | 14.697 |
| 10/14/2016 4:45:00 PM | 153900.000 | 56.492 | 16.938 |
| 130.438 | 1234.855 | 1459.599 | 0.739 |
| 0.993 | 809.812 | 0.999 | 14.696 |
| 10/14/2016 5:00:00 PM | 154800.000 | 56.495 | 16.938 |
| 130.445 | 1234.906 | 1459.688 | 0.739 |
| 0.993 | 809.778 | 0.999 | 14.694 |
| 10/14/2016 5:15:00 PM | 155700.000 | 56.500 | 16.937 |
| 130.457 | 1235.087 | 1459.932 | 0.739 |
| 0.993 | 809.659 | 0.999 | 14.694 |
| 10/14/2016 5:30:00 PM | 156600.000 | 56.501 | 16.937 |
| 130.459 | 1236.020 | 1461.011 | 0.740 |
| 0.993 | 809.048 | 0.999 | 14.694 |
| 10/14/2016 5:45:00 PM | 157500.000 | 56.500 | 16.936 |
| 130.457 | 1235.441 | 1460.374 | 0.740 |
| 0.993 | 809.427 | 0.999 | 14.696 |
| 10/14/2016 6:00:00 PM | 158400.000 | 56.504 | 16.937 |
| 130.467 | 1236.212 | 1461.238 | 0.740 |
| 0.994 | 808.923 | 0.999 | 14.693 |
| 10/14/2016 6:15:00 PM | 159300.000 | 56.506 | 16.937 |
| 130.471 | 1236.543 | 1461.639 | 0.740 |
| 0.994 | 808.706 | 0.999 | 14.699 |
| 10/14/2016 6:30:00 PM | 160200.000 | 56.513 | 16.937 |
| 130.486 | 1238.159 | 1463.548 | 0.741 |
| 0.995 | 807.651 | 0.999 | 14.696 |
| 10/14/2016 6:45:00 PM | 161100.000 | 56.520 | 16.936 |
| 130.502 | 1237.885 | 1463.274 | 0.741 |
| 0.995 | 807.830 | 0.999 | 14.695 |
| 10/14/2016 7:00:00 PM | 162000.000 | 56.519 | 16.936 |
| 130.500 | 1237.682 | 1463.033 | 0.741 |
| 0.995 | 807.962 | 0.999 | 14.697 |
| 10/14/2016 7:15:00 PM | 162900.000 | 56.522 | 16.934 |
| 130.507 | 1238.409 | 1463.953 | 0.742 |
| 0.995 | 807.488 | 0.999 | 14.699 |
| 10/14/2016 7:30:00 PM | 163800.000 | 56.517 | 16.934 |
| 130.497 | 1237.272 | 1462.595 | 0.741 |
| 0.995 | 808.230 | 0.999 | 14.709 |
| 10/14/2016 7:45:00 PM | 164700.000 | 56.528 | 16.936 |
| 130.520 | 1239.094 | 1464.697 | 0.742 |
| 0.996 | 807.041 | 0.999 | 14.702 |
| 10/14/2016 8:00:00 PM | 165600.000 | 56.528 | 16.936 |
| 130.520 | 1239.716 | 1465.427 | 0.742 |
| 0.996 | 806.636 | 0.999 | 14.705 |
| 10/14/2016 8:15:00 PM | 166500.000 | 56.532 | 16.936 |
| 130.530 | 1240.924 | 1466.864 | 0.743 |
| 0.997 | 805.851 | 0.999 | 14.705 |
| 10/14/2016 8:30:00 PM | 167400.000 | 56.539 | 16.936 |
| 130.547 | 1239.592 | 1465.269 | 0.742 |
| 0.996 | 806.717 | 0.999 | 14.699 |
| 10/14/2016 8:45:00 PM | 168300.000 | 56.534 | 16.934 |
| 130.536 | 1241.915 | 1468.088 | 0.744 |
| 0.998 | 805.208 | 0.999 | 14.705 |

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|---|---|---|---|
| 10/14/2016 9:00:00 PM | 169200.000 | 56.540 | 16.936 |
| 130.550 | 1244.099 | 1470.619 | 0.745 |
| 1.000 | 803.795 | 0.999 | 14.703 |
| 10/14/2016 9:15:00 PM | 170100.000 | 56.541 | 16.935 |
| 130.553 | 1241.828 | 1467.962 | 0.744 |
| 0.998 | 805.264 | 0.999 | 14.707 |
| 10/14/2016 9:30:00 PM | 171000.000 | 56.550 | 16.935 |
| 130.571 | 1242.995 | 1469.329 | 0.744 |
| 0.999 | 804.509 | 0.999 | 14.705 |
| 10/14/2016 9:45:00 PM | 171900.000 | 56.548 | 16.934 |
| 130.567 | 1241.220 | 1467.269 | 0.743 |
| 0.998 | 805.659 | 0.999 | 14.709 |
| 10/14/2016 10:00:00 PM | 172800.000 | 56.551 | 16.933 |
| 130.575 | 1242.628 | 1468.953 | 0.744 |
| 0.999 | 804.746 | 0.999 | 14.711 |
| 10/14/2016 10:15:00 PM | 173700.000 | 56.560 | 16.935 |
| 130.596 | 1242.392 | 1468.630 | 0.744 |
| 0.999 | 804.899 | 0.999 | 14.703 |
| 10/14/2016 10:30:00 PM | 174600.000 | 56.562 | 16.933 |
| 130.599 | 1240.979 | 1467.013 | 0.743 |
| 0.998 | 805.815 | 0.999 | 14.708 |
| 10/14/2016 10:45:00 PM | 175500.000 | 56.554 | 16.934 |
| 130.580 | 1240.474 | 1466.381 | 0.743 |
| 0.997 | 806.143 | 0.999 | 14.714 |
| 10/14/2016 11:00:00 PM | 176400.000 | 56.559 | 16.934 |
| 130.594 | 1242.055 | 1468.269 | 0.744 |
| 0.998 | 805.118 | 0.999 | 14.709 |
| 10/14/2016 11:15:00 PM | 177300.000 | 56.562 | 16.934 |
| 130.601 | 1240.914 | 1466.903 | 0.743 |
| 0.997 | 805.858 | 0.999 | 14.710 |
| 10/14/2016 11:30:00 PM | 178200.000 | 56.565 | 16.935 |
| 130.606 | 1240.457 | 1466.343 | 0.743 |
| 0.997 | 806.154 | 0.999 | 14.713 |
| 10/14/2016 11:45:00 PM | 179100.000 | 56.569 | 16.933 |
| 130.616 | 1240.621 | 1466.592 | 0.743 |
| 0.997 | 806.048 | 0.999 | 14.713 |
| 10/15/2016 12:00:00 AM | 180000.000 | 56.570 | 16.937 |
| 130.617 | 1240.764 | 1466.622 | 0.743 |
| 0.997 | 805.955 | 0.999 | 14.715 |
| 10/15/2016 12:15:00 AM | 180900.000 | 56.581 | 16.936 |
| 130.643 | 1240.797 | 1466.701 | 0.743 |
| 0.997 | 805.934 | 0.999 | 14.708 |
| 10/15/2016 12:30:00 AM | 181800.000 | 56.584 | 16.937 |
| 130.650 | 1238.803 | 1464.310 | 0.742 |
| 0.996 | 807.231 | 0.999 | 14.705 |
| 10/15/2016 12:45:00 AM | 182700.000 | 56.578 | 16.935 |
| 130.636 | 1238.914 | 1464.502 | 0.742 |
| 0.996 | 807.159 | 0.999 | 14.710 |
| 10/15/2016 1:00:00 AM | 183600.000 | 56.589 | 16.936 |
| 130.663 | 1236.103 | 1461.142 | 0.740 |
| 0.994 | 808.994 | 0.999 | 14.702 |
| 10/15/2016 1:15:00 AM | 184500.000 | 56.582 | 16.938 |
| 130.647 | 1237.149 | 1462.320 | 0.741 |
| 0.994 | 808.310 | 0.999 | 14.708 |
| 10/15/2016 1:30:00 AM | 185400.000 | 56.586 | 16.939 |

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|---|---|---|---|
| 130.655 | 1236.171 | 1461.143 | 0.740 |
| 0.994 | 808.950 | 0.999 | 14.709 |
| 10/15/2016 1:45:00 AM | 186300.000 | 56.589 | 16.937 |
| 130.663 | 1236.238 | 1461.290 | 0.740 |
| 0.994 | 808.906 | 0.999 | 14.707 |
| 10/15/2016 2:00:00 AM | 187200.000 | 56.597 | 16.936 |
| 130.681 | 1234.711 | 1459.516 | 0.739 |
| 0.992 | 809.906 | 0.999 | 14.706 |
| 10/15/2016 2:15:00 AM | 188100.000 | 56.592 | 16.936 |
| 130.669 | 1235.475 | 1460.408 | 0.740 |
| 0.993 | 809.405 | 0.999 | 14.713 |
| 10/15/2016 2:30:00 AM | 189000.000 | 56.597 | 16.936 |
| 130.681 | 1234.294 | 1459.020 | 0.739 |
| 0.992 | 810.180 | 0.999 | 14.711 |
| 10/15/2016 2:45:00 AM | 189900.000 | 56.606 | 16.940 |
| 130.702 | 1234.541 | 1459.192 | 0.739 |
| 0.992 | 810.017 | 0.999 | 14.702 |
| 10/15/2016 3:00:00 AM | 190800.000 | 56.604 | 16.938 |
| 130.698 | 1235.076 | 1459.864 | 0.739 |
| 0.993 | 809.667 | 0.999 | 14.706 |
| 10/15/2016 3:15:00 AM | 191700.000 | 56.608 | 16.936 |
| 130.706 | 1234.318 | 1459.032 | 0.739 |
| 0.992 | 810.164 | 0.999 | 14.704 |
| 10/15/2016 3:30:00 AM | 192600.000 | 56.621 | 16.938 |
| 130.737 | 1234.470 | 1459.164 | 0.739 |
| 0.992 | 810.065 | 0.999 | 14.707 |
| 10/15/2016 3:45:00 AM | 193500.000 | 56.610 | 16.938 |
| 130.710 | 1233.912 | 1458.511 | 0.739 |
| 0.992 | 810.431 | 0.999 | 14.706 |
| 10/15/2016 4:00:00 AM | 194400.000 | 56.615 | 16.938 |
| 130.722 | 1233.543 | 1458.078 | 0.738 |
| 0.991 | 810.673 | 0.999 | 14.704 |
| 10/15/2016 4:15:00 AM | 195300.000 | 56.617 | 16.938 |
| 130.727 | 1233.607 | 1458.127 | 0.738 |
| 0.992 | 810.631 | 0.999 | 14.700 |
| 10/15/2016 4:30:00 AM | 196200.000 | 56.626 | 16.938 |
| 130.747 | 1233.963 | 1458.543 | 0.739 |
| 0.992 | 810.397 | 0.999 | 14.693 |
| 10/15/2016 4:45:00 AM | 197100.000 | 56.628 | 16.937 |
| 130.753 | 1233.848 | 1458.447 | 0.739 |
| 0.992 | 810.473 | 0.999 | 14.693 |
| 10/15/2016 5:00:00 AM | 198000.000 | 56.626 | 16.939 |
| 130.747 | 1233.236 | 1457.660 | 0.738 |
| 0.991 | 810.875 | 0.999 | 14.697 |
| 10/15/2016 5:15:00 AM | 198900.000 | 56.631 | 16.939 |
| 130.759 | 1234.789 | 1459.516 | 0.739 |
| 0.992 | 809.855 | 0.999 | 14.697 |
| 10/15/2016 5:30:00 AM | 199800.000 | 56.628 | 16.940 |
| 130.753 | 1233.485 | 1457.914 | 0.738 |
| 0.991 | 810.711 | 0.999 | 14.701 |
| 10/15/2016 5:45:00 AM | 200700.000 | 56.639 | 16.937 |
| 130.778 | 1233.530 | 1458.071 | 0.738 |
| 0.991 | 810.682 | 0.999 | 14.695 |
| 10/15/2016 6:00:00 AM | 201600.000 | 56.638 | 16.939 |
| 130.776 | 1233.863 | 1458.419 | 0.739 |

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|---|---|---|---|
| 0.992 | 810.463 | 0.999 | 14.700 |
| 10/15/2016 6:15:00 AM | 202500.000 | 56.641 | 16.939 |
| 130.783 | 1233.938 | 1458.492 | 0.739 |
| 0.992 | 810.414 | 0.999 | 14.708 |
| 10/15/2016 6:30:00 AM | 203400.000 | 56.644 | 16.940 |
| 130.789 | 1234.264 | 1458.855 | 0.739 |
| 0.992 | 810.200 | 0.999 | 14.707 |
| 10/15/2016 6:45:00 AM | 204300.000 | 56.653 | 16.938 |
| 130.811 | 1234.682 | 1459.404 | 0.739 |
| 0.992 | 809.925 | 0.999 | 14.701 |
| 10/15/2016 7:00:00 AM | 205200.000 | 56.653 | 16.937 |
| 130.810 | 1234.878 | 1459.667 | 0.739 |
| 0.993 | 809.797 | 0.999 | 14.705 |
| 10/15/2016 7:15:00 AM | 206100.000 | 56.657 | 16.936 |
| 130.818 | 1233.854 | 1458.489 | 0.739 |
| 0.992 | 810.469 | 0.999 | 14.706 |
| 10/15/2016 7:30:00 AM | 207000.000 | 56.664 | 16.936 |
| 130.835 | 1235.153 | 1460.038 | 0.740 |
| 0.993 | 809.616 | 0.999 | 14.700 |
| 10/15/2016 7:45:00 AM | 207900.000 | 56.665 | 16.935 |
| 130.838 | 1235.058 | 1459.950 | 0.739 |
| 0.993 | 809.678 | 0.999 | 14.702 |
| 10/15/2016 8:00:00 AM | 208800.000 | 56.672 | 16.937 |
| 130.854 | 1236.886 | 1462.039 | 0.741 |
| 0.994 | 808.482 | 0.999 | 14.703 |
| 10/15/2016 8:15:00 AM | 209700.000 | 56.675 | 16.935 |
| 130.861 | 1236.713 | 1461.917 | 0.740 |
| 0.994 | 808.595 | 0.999 | 14.702 |
| 10/15/2016 8:30:00 AM | 210600.000 | 56.675 | 16.935 |
| 130.860 | 1235.642 | 1460.636 | 0.740 |
| 0.993 | 809.296 | 0.999 | 14.698 |
| 10/15/2016 8:45:00 AM | 211500.000 | 56.681 | 16.936 |
| 130.875 | 1236.630 | 1461.785 | 0.740 |
| 0.994 | 808.649 | 0.999 | 14.697 |
| 10/15/2016 9:00:00 AM | 212400.000 | 56.680 | 16.936 |
| 130.871 | 1236.233 | 1461.306 | 0.740 |
| 0.994 | 808.909 | 0.999 | 14.704 |
| 10/15/2016 9:15:00 AM | 213300.000 | 56.684 | 16.935 |
| 130.881 | 1236.401 | 1461.554 | 0.740 |
| 0.994 | 808.799 | 0.999 | 14.704 |
| 10/15/2016 9:30:00 AM | 214200.000 | 56.687 | 16.934 |
| 130.888 | 1238.681 | 1464.256 | 0.742 |
| 0.996 | 807.310 | 0.999 | 14.705 |
| 10/15/2016 9:45:00 AM | 215100.000 | 56.681 | 16.935 |
| 130.875 | 1239.260 | 1464.928 | 0.742 |
| 0.996 | 806.933 | 0.999 | 14.711 |
| 10/15/2016 10:00:00 AM | 216000.000 | 56.685 | 16.935 |
| 130.884 | 1235.803 | 1460.833 | 0.740 |
| 0.993 | 809.190 | 0.999 | 14.711 |
| 10/15/2016 10:15:00 AM | 216900.000 | 56.687 | 16.936 |
| 130.888 | 1237.215 | 1462.464 | 0.741 |
| 0.994 | 808.267 | 0.999 | 14.711 |
| 10/15/2016 10:30:00 AM | 217800.000 | 56.685 | 16.936 |
| 130.883 | 1237.139 | 1462.380 | 0.741 |
| 0.994 | 808.317 | 0.999 | 14.712 |

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|---|---|---|---|
| 10/15/2016 10:45:00 AM | 218700.000 | 56.688 | 16.938 |
| 130.892 | 1237.157 | 1462.347 | 0.741 |
| 0.994 | 808.305 | 0.999 | 14.710 |
| 10/15/2016 11:00:00 AM | 219600.000 | 56.686 | 16.936 |
| 130.887 | 1235.941 | 1460.976 | 0.740 |
| 0.993 | 809.100 | 0.999 | 14.709 |
| 10/15/2016 11:15:00 AM | 220500.000 | 56.683 | 16.936 |
| 130.878 | 1234.458 | 1459.194 | 0.739 |
| 0.992 | 810.072 | 0.999 | 14.710 |
| 10/15/2016 11:30:00 AM | 221400.000 | 56.685 | 16.937 |
| 130.884 | 1234.104 | 1458.770 | 0.739 |
| 0.992 | 810.305 | 0.999 | 14.703 |
| 10/15/2016 11:45:00 AM | 222300.000 | 56.684 | 16.936 |
| 130.881 | 1234.113 | 1458.790 | 0.739 |
| 0.992 | 810.298 | 0.999 | 14.699 |
| 10/15/2016 12:00:00 PM | 223200.000 | 56.679 | 16.937 |
| 130.870 | 1233.518 | 1458.071 | 0.738 |
| 0.991 | 810.690 | 0.999 | 14.698 |
| 10/15/2016 12:15:00 PM | 224100.000 | 56.683 | 16.937 |
| 130.879 | 1234.164 | 1458.829 | 0.739 |
| 0.992 | 810.265 | 0.999 | 14.694 |
| 10/15/2016 12:30:00 PM | 225000.000 | 56.683 | 16.937 |
| 130.879 | 1233.924 | 1458.539 | 0.739 |
| 0.992 | 810.423 | 0.999 | 14.693 |
| 10/15/2016 12:45:00 PM | 225900.000 | 56.681 | 16.936 |
| 130.875 | 1233.396 | 1457.955 | 0.738 |
| 0.991 | 810.770 | 0.999 | 14.693 |
| 10/15/2016 1:00:00 PM | 226800.000 | 56.679 | 16.934 |
| 130.869 | 1233.882 | 1458.591 | 0.739 |
| 0.992 | 810.451 | 0.999 | 14.689 |
| 10/15/2016 1:15:00 PM | 227700.000 | 56.680 | 16.936 |
| 130.873 | 1233.576 | 1458.155 | 0.739 |
| 0.992 | 810.651 | 0.999 | 14.677 |
| 10/15/2016 1:30:00 PM | 228600.000 | 56.677 | 16.936 |
| 130.865 | 1233.969 | 1458.633 | 0.739 |
| 0.992 | 810.393 | 0.999 | 14.677 |
| 10/15/2016 1:45:00 PM | 229500.000 | 56.675 | 16.936 |
| 130.862 | 1233.550 | 1458.141 | 0.738 |
| 0.992 | 810.668 | 0.999 | 14.672 |
| 10/15/2016 2:00:00 PM | 230400.000 | 56.674 | 16.938 |
| 130.858 | 1234.136 | 1458.747 | 0.739 |
| 0.992 | 810.283 | 0.999 | 14.670 |
| 10/15/2016 2:15:00 PM | 231300.000 | 56.669 | 16.939 |
| 130.847 | 1234.533 | 1459.204 | 0.739 |
| 0.992 | 810.023 | 0.999 | 14.667 |
| 10/15/2016 2:30:00 PM | 232200.000 | 56.674 | 16.937 |
| 130.858 | 1233.916 | 1458.544 | 0.739 |
| 0.992 | 810.428 | 0.999 | 14.659 |
| 10/15/2016 2:45:00 PM | 233100.000 | 56.671 | 16.937 |
| 130.852 | 1233.427 | 1457.952 | 0.738 |
| 0.991 | 810.749 | 0.999 | 14.651 |
| 10/15/2016 3:00:00 PM | 234000.000 | 56.665 | 16.935 |
| 130.837 | 1233.474 | 1458.062 | 0.738 |
| 0.991 | 810.719 | 0.999 | 14.659 |
| 10/15/2016 3:15:00 PM | 234900.000 | 56.665 | 16.937 |

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|---|---|---|---|
| 130.839 | 1233.900 | 1458.505 | 0.739 |
| 0.992 | 810.439 | 0.999 | 14.664 |
| 10/15/2016 3:30:00 PM | 235800.000 | 56.667 | 16.937 |
| 130.842 | 1233.653 | 1458.211 | 0.739 |
| 0.992 | 810.601 | 0.999 | 14.663 |
| 10/15/2016 3:45:00 PM | 236700.000 | 56.662 | 16.937 |
| 130.830 | 1233.181 | 1457.670 | 0.738 |
| 0.991 | 810.911 | 0.999 | 14.660 |
| 10/15/2016 4:00:00 PM | 237600.000 | 56.668 | 16.938 |
| 130.844 | 1233.237 | 1457.716 | 0.738 |
| 0.991 | 810.874 | 0.999 | 14.655 |
| 10/15/2016 4:15:00 PM | 238500.000 | 56.662 | 16.938 |
| 130.830 | 1233.934 | 1458.520 | 0.739 |
| 0.992 | 810.416 | 0.999 | 14.659 |
| 10/15/2016 4:30:00 PM | 239400.000 | 56.653 | 16.937 |
| 130.809 | 1233.562 | 1458.121 | 0.738 |
| 0.992 | 810.660 | 0.999 | 14.669 |
| 10/15/2016 4:45:00 PM | 240300.000 | 56.646 | 16.936 |
| 130.793 | 1233.493 | 1458.057 | 0.738 |
| 0.991 | 810.706 | 0.999 | 14.674 |
| 10/15/2016 5:00:00 PM | 241200.000 | 56.653 | 16.935 |
| 130.809 | 1233.572 | 1458.187 | 0.739 |
| 0.992 | 810.654 | 0.999 | 14.667 |
| 10/15/2016 5:15:00 PM | 242100.000 | 56.654 | 16.937 |
| 130.812 | 1234.755 | 1459.530 | 0.739 |
| 0.992 | 809.877 | 0.999 | 14.668 |
| 10/15/2016 5:30:00 PM | 243000.000 | 56.647 | 16.936 |
| 130.796 | 1233.369 | 1457.935 | 0.738 |
| 0.991 | 810.788 | 0.999 | 14.670 |
| 10/15/2016 5:45:00 PM | 243900.000 | 56.651 | 16.937 |
| 130.805 | 1233.937 | 1458.561 | 0.739 |
| 0.992 | 810.414 | 0.999 | 14.668 |
| 10/15/2016 6:00:00 PM | 244800.000 | 56.659 | 16.935 |
| 130.823 | 1234.310 | 1459.059 | 0.739 |
| 0.992 | 810.170 | 0.999 | 14.664 |
| 10/15/2016 6:15:00 PM | 245700.000 | 56.667 | 16.935 |
| 130.842 | 1232.813 | 1457.305 | 0.738 |
| 0.991 | 811.153 | 0.999 | 14.659 |
| 10/15/2016 6:30:00 PM | 246600.000 | 56.667 | 16.935 |
| 130.843 | 1233.754 | 1458.417 | 0.739 |
| 0.992 | 810.534 | 0.999 | 14.660 |
| 10/15/2016 6:45:00 PM | 247500.000 | 56.667 | 16.937 |
| 130.842 | 1233.489 | 1458.040 | 0.738 |
| 0.991 | 810.708 | 0.999 | 14.663 |
| 10/15/2016 7:00:00 PM | 248400.000 | 56.667 | 16.937 |
| 130.841 | 1234.074 | 1458.711 | 0.739 |
| 0.992 | 810.324 | 0.999 | 14.662 |
| 10/15/2016 7:15:00 PM | 249300.000 | 56.670 | 16.939 |
| 130.849 | 1234.100 | 1458.695 | 0.739 |
| 0.992 | 810.307 | 0.999 | 14.660 |
| 10/15/2016 7:30:00 PM | 250200.000 | 56.674 | 16.935 |
| 130.858 | 1233.504 | 1458.107 | 0.738 |
| 0.992 | 810.699 | 0.999 | 14.655 |
| 10/15/2016 7:45:00 PM | 251100.000 | 56.674 | 16.935 |
| 130.859 | 1233.868 | 1458.534 | 0.739 |

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|---|---|---|---|
| 0.992 | 810.459 | 0.999 | 14.662 |
| 10/15/2016 8:00:00 PM | 252000.000 | 56.677 | 16.934 |
| 130.865 | 1233.878 | 1458.598 | 0.739 |
| 0.992 | 810.453 | 0.999 | 14.667 |
| 10/15/2016 8:15:00 PM | 252900.000 | 56.684 | 16.936 |
| 130.881 | 1234.854 | 1459.682 | 0.739 |
| 0.993 | 809.812 | 0.999 | 14.666 |
| 10/15/2016 8:30:00 PM | 253800.000 | 56.680 | 16.937 |
| 130.873 | 1235.289 | 1460.165 | 0.740 |
| 0.993 | 809.527 | 0.999 | 14.670 |
| 10/15/2016 8:45:00 PM | 254700.000 | 56.692 | 16.935 |
| 130.899 | 1234.800 | 1459.636 | 0.739 |
| 0.993 | 809.848 | 0.999 | 14.663 |
| 10/15/2016 9:00:00 PM | 255600.000 | 56.685 | 16.934 |
| 130.885 | 1234.356 | 1459.148 | 0.739 |
| 0.992 | 810.139 | 0.999 | 14.672 |
| 10/15/2016 9:15:00 PM | 256500.000 | 56.688 | 16.932 |
| 130.891 | 1235.321 | 1460.350 | 0.740 |
| 0.993 | 809.506 | 0.999 | 14.670 |
| 10/15/2016 9:30:00 PM | 257400.000 | 56.703 | 16.932 |
| 130.925 | 1236.698 | 1461.981 | 0.741 |
| 0.994 | 808.605 | 0.999 | 14.664 |
| 10/15/2016 9:45:00 PM | 258300.000 | 56.707 | 16.935 |
| 130.936 | 1239.604 | 1465.341 | 0.742 |
| 0.996 | 806.709 | 0.999 | 14.669 |
| 10/15/2016 10:00:00 PM | 259200.000 | 56.699 | 16.934 |
| 130.917 | 1237.154 | 1462.474 | 0.741 |
| 0.994 | 808.307 | 0.999 | 14.679 |
| 10/15/2016 10:15:00 PM | 260100.000 | 56.712 | 16.934 |
| 130.946 | 1237.480 | 1462.859 | 0.741 |
| 0.995 | 808.094 | 0.999 | 14.672 |
| 10/15/2016 10:30:00 PM | 261000.000 | 56.712 | 16.933 |
| 130.945 | 1237.376 | 1462.773 | 0.741 |
| 0.995 | 808.162 | 0.999 | 14.669 |
| 10/15/2016 10:45:00 PM | 261900.000 | 56.713 | 16.933 |
| 130.949 | 1237.242 | 1462.595 | 0.741 |
| 0.995 | 808.249 | 0.999 | 14.672 |
| 10/15/2016 11:00:00 PM | 262800.000 | 56.721 | 16.932 |
| 130.968 | 1238.081 | 1463.613 | 0.741 |
| 0.995 | 807.702 | 0.999 | 14.670 |
| 10/15/2016 11:15:00 PM | 263700.000 | 56.726 | 16.932 |
| 130.978 | 1239.855 | 1465.719 | 0.743 |
| 0.997 | 806.546 | 0.999 | 14.671 |
| 10/15/2016 11:30:00 PM | 264600.000 | 56.724 | 16.933 |
| 130.974 | 1239.285 | 1465.001 | 0.742 |
| 0.996 | 806.917 | 0.999 | 14.675 |
| 10/15/2016 11:45:00 PM | 265500.000 | 56.727 | 16.933 |
| 130.982 | 1238.155 | 1463.675 | 0.741 |
| 0.995 | 807.653 | 0.999 | 14.677 |
| 10/16/2016 12:00:00 AM | 266400.000 | 56.734 | 16.932 |
| 130.996 | 1240.545 | 1466.532 | 0.743 |
| 0.997 | 806.097 | 0.999 | 14.678 |
| 10/16/2016 12:15:00 AM | 267300.000 | 56.736 | 16.934 |
| 131.001 | 1240.517 | 1466.431 | 0.743 |
| 0.997 | 806.116 | 0.999 | 14.677 |

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|---|---|---|---|
| 10/16/2016 12:30:00 AM | 268200.000 | 56.731 | 16.933 |
| 130.990 | 1238.973 | 1464.635 | 0.742 |
| 0.996 | 807.120 | 0.999 | 14.681 |
| 10/16/2016 12:45:00 AM | 269100.000 | 56.733 | 16.934 |
| 130.995 | 1238.336 | 1463.847 | 0.742 |
| 0.995 | 807.536 | 0.999 | 14.684 |
| 10/16/2016 1:00:00 AM | 270000.000 | 56.733 | 16.935 |
| 130.995 | 1239.121 | 1464.752 | 0.742 |
| 0.996 | 807.024 | 0.999 | 14.683 |
| 10/16/2016 1:15:00 AM | 270900.000 | 56.744 | 16.935 |
| 131.019 | 1238.151 | 1463.624 | 0.741 |
| 0.995 | 807.656 | 0.999 | 14.680 |
| 10/16/2016 1:30:00 AM | 271800.000 | 56.746 | 16.935 |
| 131.025 | 1236.505 | 1461.654 | 0.740 |
| 0.994 | 808.731 | 0.999 | 14.682 |
| 10/16/2016 1:45:00 AM | 272700.000 | 56.748 | 16.935 |
| 131.029 | 1235.803 | 1460.816 | 0.740 |
| 0.993 | 809.190 | 0.999 | 14.682 |
| 10/16/2016 2:00:00 AM | 273600.000 | 56.744 | 16.934 |
| 131.021 | 1235.887 | 1460.958 | 0.740 |
| 0.993 | 809.136 | 0.999 | 14.686 |
| 10/16/2016 2:15:00 AM | 274500.000 | 56.751 | 16.934 |
| 131.037 | 1236.161 | 1461.277 | 0.740 |
| 0.994 | 808.956 | 0.999 | 14.684 |
| 10/16/2016 2:30:00 AM | 275400.000 | 56.751 | 16.933 |
| 131.037 | 1234.161 | 1458.941 | 0.739 |
| 0.992 | 810.267 | 0.999 | 14.682 |
| 10/16/2016 2:45:00 AM | 276300.000 | 56.751 | 16.936 |
| 131.037 | 1234.802 | 1459.618 | 0.739 |
| 0.993 | 809.847 | 0.999 | 14.684 |
| 10/16/2016 3:00:00 AM | 277200.000 | 56.760 | 16.936 |
| 131.057 | 1234.371 | 1459.100 | 0.739 |
| 0.992 | 810.129 | 0.999 | 14.678 |
| 10/16/2016 3:15:00 AM | 278100.000 | 56.761 | 16.936 |
| 131.060 | 1234.868 | 1459.678 | 0.739 |
| 0.993 | 809.803 | 0.999 | 14.681 |
| 10/16/2016 3:30:00 AM | 279000.000 | 56.771 | 16.936 |
| 131.082 | 1233.716 | 1458.331 | 0.739 |
| 0.992 | 810.559 | 0.999 | 14.673 |
| 10/16/2016 3:45:00 AM | 279900.000 | 56.773 | 16.938 |
| 131.086 | 1234.368 | 1459.053 | 0.739 |
| 0.992 | 810.131 | 0.999 | 14.673 |
| 10/16/2016 4:00:00 AM | 280800.000 | 56.772 | 16.934 |
| 131.084 | 1233.245 | 1457.830 | 0.738 |
| 0.991 | 810.869 | 0.999 | 14.674 |
| 10/16/2016 4:15:00 AM | 281700.000 | 56.772 | 16.936 |
| 131.084 | 1233.676 | 1458.290 | 0.739 |
| 0.992 | 810.586 | 0.999 | 14.674 |
| 10/16/2016 4:30:00 AM | 282600.000 | 56.785 | 16.936 |
| 131.114 | 1233.161 | 1457.675 | 0.738 |
| 0.991 | 810.924 | 0.999 | 14.668 |
| 10/16/2016 4:45:00 AM | 283500.000 | 56.782 | 16.937 |
| 131.108 | 1233.970 | 1458.597 | 0.739 |
| 0.992 | 810.392 | 0.999 | 14.672 |
| 10/16/2016 5:00:00 AM | 284400.000 | 56.785 | 16.936 |

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|---|---|---|---|
| 131.115 | 1233.373 | 1457.938 | 0.738 |
| 0.991 | 810.785 | 0.999 | 14.672 |
| 10/16/2016 5:15:00 AM | 285300.000 | 56.789 | 16.936 |
| 131.123 | 1233.332 | 1457.883 | 0.738 |
| 0.991 | 810.812 | 0.999 | 14.673 |
| 10/16/2016 5:30:00 AM | 286200.000 | 56.793 | 16.939 |
| 131.134 | 1232.756 | 1457.105 | 0.738 |
| 0.991 | 811.190 | 0.999 | 14.669 |
| 10/16/2016 5:45:00 AM | 287100.000 | 56.788 | 16.936 |
| 131.122 | 1232.636 | 1457.040 | 0.738 |
| 0.991 | 811.270 | 0.999 | 14.677 |
| 10/16/2016 6:00:00 AM | 288000.000 | 56.800 | 16.939 |
| 131.149 | 1233.012 | 1457.395 | 0.738 |
| 0.991 | 811.022 | 0.999 | 14.669 |
| 10/16/2016 6:15:00 AM | 288900.000 | 56.800 | 16.939 |
| 131.150 | 1232.906 | 1457.279 | 0.738 |
| 0.991 | 811.092 | 0.999 | 14.668 |
| 10/16/2016 6:30:00 AM | 289800.000 | 56.805 | 16.936 |
| 131.161 | 1232.844 | 1457.292 | 0.738 |
| 0.991 | 811.133 | 0.999 | 14.668 |
| 10/16/2016 6:45:00 AM | 290700.000 | 56.802 | 16.939 |
| 131.153 | 1232.834 | 1457.188 | 0.738 |
| 0.991 | 811.139 | 0.999 | 14.675 |
| 10/16/2016 7:00:00 AM | 291600.000 | 56.814 | 16.937 |
| 131.183 | 1232.622 | 1456.998 | 0.738 |
| 0.991 | 811.279 | 0.999 | 14.667 |
| 10/16/2016 7:15:00 AM | 292500.000 | 56.817 | 16.939 |
| 131.189 | 1232.683 | 1457.004 | 0.738 |
| 0.991 | 811.238 | 0.999 | 14.671 |
| 10/16/2016 7:30:00 AM | 293400.000 | 56.818 | 16.939 |
| 131.192 | 1232.864 | 1457.235 | 0.738 |
| 0.991 | 811.119 | 0.999 | 14.669 |
| 10/16/2016 7:45:00 AM | 294300.000 | 56.824 | 16.936 |
| 131.205 | 1232.734 | 1457.159 | 0.738 |
| 0.991 | 811.205 | 0.999 | 14.666 |
| 10/16/2016 8:00:00 AM | 295200.000 | 56.826 | 16.938 |
| 131.209 | 1232.765 | 1457.138 | 0.738 |
| 0.991 | 811.185 | 0.999 | 14.662 |
| 10/16/2016 8:15:00 AM | 296100.000 | 56.831 | 16.937 |
| 131.220 | 1232.690 | 1457.093 | 0.738 |
| 0.991 | 811.234 | 0.999 | 14.661 |
| 10/16/2016 8:30:00 AM | 297000.000 | 56.829 | 16.937 |
| 131.216 | 1233.023 | 1457.493 | 0.738 |
| 0.991 | 811.015 | 0.999 | 14.667 |
| 10/16/2016 8:45:00 AM | 297900.000 | 56.834 | 16.935 |
| 131.228 | 1233.447 | 1458.033 | 0.738 |
| 0.991 | 810.736 | 0.999 | 14.668 |
| 10/16/2016 9:00:00 AM | 298800.000 | 56.839 | 16.934 |
| 131.239 | 1233.578 | 1458.224 | 0.739 |
| 0.992 | 810.650 | 0.999 | 14.662 |
| 10/16/2016 9:15:00 AM | 299700.000 | 56.843 | 16.936 |
| 131.249 | 1233.228 | 1457.762 | 0.738 |
| 0.991 | 810.880 | 0.999 | 14.661 |
| 10/16/2016 9:30:00 AM | 300600.000 | 56.847 | 16.935 |
| 131.257 | 1234.487 | 1459.263 | 0.739 |

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|---|---|---|---|
| 0.992 | 810.053 | 0.999 | 14.664 |
| 10/16/2016 9:45:00 AM | 301500.000 | 56.837 | 16.935 |
| 131.235 | 1233.578 | 1458.211 | 0.739 |
| 0.992 | 810.650 | 0.999 | 14.663 |
| 10/16/2016 10:00:00 AM | 302400.000 | 56.849 | 16.935 |
| 131.263 | 1234.442 | 1459.236 | 0.739 |
| 0.992 | 810.083 | 0.999 | 14.664 |
| 10/16/2016 10:15:00 AM | 303300.000 | 56.850 | 16.934 |
| 131.264 | 1233.908 | 1458.619 | 0.739 |
| 0.992 | 810.433 | 0.999 | 14.665 |
| 10/16/2016 10:30:00 AM | 304200.000 | 56.865 | 16.933 |
| 131.299 | 1234.578 | 1459.442 | 0.739 |
| 0.992 | 809.994 | 0.999 | 14.660 |
| 10/16/2016 10:45:00 AM | 305100.000 | 56.863 | 16.934 |
| 131.294 | 1235.387 | 1460.385 | 0.740 |
| 0.993 | 809.463 | 0.999 | 14.659 |
| 10/16/2016 11:00:00 AM | 306000.000 | 56.866 | 16.934 |
| 131.301 | 1235.458 | 1460.471 | 0.740 |
| 0.993 | 809.416 | 0.999 | 14.660 |
| 10/16/2016 11:15:00 AM | 306900.000 | 56.871 | 16.935 |
| 131.313 | 1235.813 | 1460.856 | 0.740 |
| 0.993 | 809.184 | 0.999 | 14.658 |
| 10/16/2016 11:30:00 AM | 307800.000 | 56.871 | 16.935 |
| 131.313 | 1236.634 | 1461.827 | 0.740 |
| 0.994 | 808.646 | 0.999 | 14.658 |
| 10/16/2016 11:45:00 AM | 308700.000 | 56.872 | 16.933 |
| 131.315 | 1236.317 | 1461.513 | 0.740 |
| 0.994 | 808.854 | 0.999 | 14.659 |
| 10/16/2016 12:00:00 PM | 309600.000 | 56.882 | 16.931 |
| 131.340 | 1236.515 | 1461.796 | 0.740 |
| 0.994 | 808.725 | 0.999 | 14.652 |
| 10/16/2016 12:15:00 PM | 310500.000 | 56.886 | 16.932 |
| 131.347 | 1236.771 | 1462.087 | 0.741 |
| 0.994 | 808.557 | 0.999 | 14.647 |
| 10/16/2016 12:30:00 PM | 311400.000 | 56.890 | 16.932 |
| 131.357 | 1236.369 | 1461.585 | 0.740 |
| 0.994 | 808.820 | 0.999 | 14.652 |
| 10/16/2016 12:45:00 PM | 312300.000 | 56.889 | 16.933 |
| 131.355 | 1237.373 | 1462.744 | 0.741 |
| 0.995 | 808.164 | 0.999 | 14.653 |
| 10/16/2016 1:00:00 PM | 313200.000 | 56.896 | 16.932 |
| 131.370 | 1237.780 | 1463.265 | 0.741 |
| 0.995 | 807.898 | 0.999 | 14.652 |
| 10/16/2016 1:15:00 PM | 314100.000 | 56.900 | 16.932 |
| 131.381 | 1236.621 | 1461.910 | 0.740 |
| 0.994 | 808.655 | 0.999 | 14.645 |
| 10/16/2016 1:30:00 PM | 315000.000 | 56.897 | 16.931 |
| 131.373 | 1237.777 | 1463.296 | 0.741 |
| 0.995 | 807.900 | 0.999 | 14.654 |
| 10/16/2016 1:45:00 PM | 315900.000 | 56.909 | 16.932 |
| 131.401 | 1239.818 | 1465.666 | 0.742 |
| 0.997 | 806.570 | 0.999 | 14.641 |
| 10/16/2016 2:00:00 PM | 316800.000 | 56.912 | 16.932 |
| 131.408 | 1240.285 | 1466.219 | 0.743 |
| 0.997 | 806.266 | 0.999 | 14.636 |

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|---|---|---|---|
| 10/16/2016 2:15:00 PM | 317700.000 | 56.923 | 16.934 |
| 131.432 | 1241.313 | 1467.375 | 0.743 |
| 0.998 | 805.599 | 0.999 | 14.632 |
| 10/16/2016 2:30:00 PM | 318600.000 | 56.927 | 16.931 |
| 131.442 | 1241.592 | 1467.799 | 0.744 |
| 0.998 | 805.417 | 0.999 | 14.630 |
| 10/16/2016 2:45:00 PM | 319500.000 | 56.921 | 16.933 |
| 131.429 | 1241.884 | 1468.079 | 0.744 |
| 0.998 | 805.228 | 0.999 | 14.636 |
| 10/16/2016 3:00:00 PM | 320400.000 | 56.929 | 16.932 |
| 131.446 | 1240.072 | 1465.972 | 0.743 |
| 0.997 | 806.405 | 0.999 | 14.631 |
| 10/16/2016 3:15:00 PM | 321300.000 | 56.929 | 16.933 |
| 131.447 | 1238.847 | 1464.509 | 0.742 |
| 0.996 | 807.202 | 0.999 | 14.638 |
| 10/16/2016 3:30:00 PM | 322200.000 | 56.922 | 16.932 |
| 131.432 | 1240.062 | 1465.969 | 0.743 |
| 0.997 | 806.411 | 0.999 | 14.633 |
| 10/16/2016 3:45:00 PM | 323100.000 | 56.928 | 16.933 |
| 131.445 | 1242.098 | 1468.327 | 0.744 |
| 0.998 | 805.089 | 0.999 | 14.635 |
| 10/16/2016 4:00:00 PM | 324000.000 | 56.947 | 16.930 |
| 131.489 | 1242.102 | 1468.445 | 0.744 |
| 0.999 | 805.087 | 0.999 | 14.631 |
| 10/16/2016 4:15:00 PM | 324900.000 | 56.949 | 16.932 |
| 131.493 | 1241.701 | 1467.893 | 0.744 |
| 0.998 | 805.347 | 0.999 | 14.635 |
| 10/16/2016 4:30:00 PM | 325800.000 | 56.946 | 16.930 |
| 131.487 | 1242.840 | 1469.308 | 0.744 |
| 0.999 | 804.609 | 0.999 | 14.639 |
| 10/16/2016 4:45:00 PM | 326700.000 | 56.953 | 16.929 |
| 131.502 | 1244.820 | 1471.676 | 0.746 |
| 1.001 | 803.329 | 0.999 | 14.639 |
| 10/16/2016 5:00:00 PM | 327600.000 | 56.958 | 16.934 |
| 131.514 | 1243.913 | 1470.466 | 0.745 |
| 1.000 | 803.915 | 0.999 | 14.639 |
| 10/16/2016 5:15:00 PM | 328500.000 | 56.960 | 16.931 |
| 131.518 | 1243.773 | 1470.380 | 0.745 |
| 1.000 | 804.005 | 0.999 | 14.644 |
| 10/16/2016 5:30:00 PM | 329400.000 | 56.959 | 16.931 |
| 131.517 | 1242.803 | 1469.239 | 0.744 |
| 0.999 | 804.633 | 0.999 | 14.652 |
| 10/16/2016 5:45:00 PM | 330300.000 | 56.962 | 16.930 |
| 131.522 | 1245.046 | 1471.917 | 0.746 |
| 1.001 | 803.183 | 0.999 | 14.652 |
| 10/16/2016 6:00:00 PM | 331200.000 | 56.970 | 16.931 |
| 131.541 | 1244.286 | 1471.007 | 0.745 |
| 1.000 | 803.674 | 0.999 | 14.649 |
| 10/16/2016 6:15:00 PM | 332100.000 | 56.971 | 16.931 |
| 131.545 | 1244.719 | 1471.504 | 0.746 |
| 1.001 | 803.394 | 0.999 | 14.653 |
| 10/16/2016 6:30:00 PM | 333000.000 | 56.974 | 16.932 |
| 131.551 | 1243.825 | 1470.429 | 0.745 |
| 1.000 | 803.972 | 0.999 | 14.652 |
| 10/16/2016 6:45:00 PM | 333900.000 | 56.975 | 16.931 |

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|---|---|---|---|
| 131.553 | 1245.447 | 1472.365 | 0.746 |
| 1.001 | 802.924 | 0.999 | 14.654 |
| 10/16/2016 7:00:00 PM | 334800.000 | 56.977 | 16.932 |
| 131.559 | 1244.317 | 1471.005 | 0.745 |
| 1.000 | 803.654 | 0.999 | 14.657 |
| 10/16/2016 7:15:00 PM | 335700.000 | 56.982 | 16.932 |
| 131.570 | 1245.887 | 1472.852 | 0.746 |
| 1.002 | 802.641 | 0.999 | 14.651 |
| 10/16/2016 7:30:00 PM | 336600.000 | 56.985 | 16.931 |
| 131.578 | 1246.222 | 1473.275 | 0.747 |
| 1.002 | 802.425 | 0.999 | 14.656 |
| 10/16/2016 7:45:00 PM | 337500.000 | 56.981 | 16.932 |
| 131.566 | 1245.504 | 1472.400 | 0.746 |
| 1.001 | 802.888 | 0.999 | 14.665 |
| 10/16/2016 8:00:00 PM | 338400.000 | 56.996 | 16.932 |
| 131.602 | 1245.854 | 1472.822 | 0.746 |
| 1.002 | 802.662 | 0.999 | 14.652 |
| 10/16/2016 8:15:00 PM | 339300.000 | 57.000 | 16.931 |
| 131.610 | 1245.047 | 1471.900 | 0.746 |
| 1.001 | 803.182 | 0.999 | 14.650 |
| 10/16/2016 8:30:00 PM | 340200.000 | 56.997 | 16.930 |
| 131.603 | 1244.734 | 1471.570 | 0.746 |
| 1.001 | 803.385 | 0.999 | 14.661 |
| 10/16/2016 8:45:00 PM | 341100.000 | 56.999 | 16.929 |
| 131.609 | 1245.352 | 1472.331 | 0.746 |
| 1.001 | 802.986 | 0.999 | 14.659 |
| 10/16/2016 9:00:00 PM | 342000.000 | 56.996 | 16.929 |
| 131.602 | 1246.296 | 1473.444 | 0.747 |
| 1.002 | 802.377 | 0.999 | 14.661 |
| 10/16/2016 9:15:00 PM | 342900.000 | 57.007 | 16.930 |
| 131.627 | 1246.909 | 1474.125 | 0.747 |
| 1.002 | 801.983 | 0.999 | 14.658 |
| 10/16/2016 9:30:00 PM | 343800.000 | 57.009 | 16.930 |
| 131.631 | 1245.417 | 1472.364 | 0.746 |
| 1.001 | 802.944 | 0.999 | 14.662 |
| 10/16/2016 9:45:00 PM | 344700.000 | 57.006 | 16.930 |
| 131.625 | 1244.718 | 1471.537 | 0.746 |
| 1.001 | 803.395 | 0.999 | 14.667 |
| 10/16/2016 10:00:00 PM | 345600.000 | 57.010 | 16.929 |
| 131.635 | 1245.240 | 1472.190 | 0.746 |
| 1.001 | 803.058 | 0.999 | 14.672 |
| 10/16/2016 10:15:00 PM | 346500.000 | 57.010 | 16.931 |
| 131.634 | 1246.721 | 1473.867 | 0.747 |
| 1.002 | 802.104 | 0.999 | 14.672 |
| 10/16/2016 10:30:00 PM | 347400.000 | 57.021 | 16.929 |
| 131.660 | 1246.798 | 1474.023 | 0.747 |
| 1.002 | 802.055 | 0.999 | 14.664 |
| 10/16/2016 10:45:00 PM | 348300.000 | 57.021 | 16.929 |
| 131.660 | 1245.600 | 1472.619 | 0.746 |
| 1.001 | 802.826 | 0.999 | 14.674 |
| 10/16/2016 11:00:00 PM | 349200.000 | 57.016 | 16.931 |
| 131.649 | 1245.749 | 1472.733 | 0.746 |
| 1.001 | 802.730 | 0.999 | 14.677 |
| 10/16/2016 11:15:00 PM | 350100.000 | 57.020 | 16.929 |
| 131.658 | 1245.093 | 1472.006 | 0.746 |

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|---|---|---|---|
| 1.001 | 803.153 | 0.999 | 14.677 |
| 10/16/2016 11:30:00 PM | 351000.000 | 57.012 | 16.931 |
| 131.639 | 1244.654 | 1471.427 | 0.746 |
| 1.001 | 803.436 | 0.999 | 14.682 |
| 10/16/2016 11:45:00 PM | 351900.000 | 57.015 | 16.930 |
| 131.647 | 1244.113 | 1470.805 | 0.745 |
| 1.000 | 803.785 | 0.999 | 14.678 |
| 10/17/2016 12:00:00 AM | 352800.000 | 57.015 | 16.933 |
| 131.645 | 1244.109 | 1470.715 | 0.745 |
| 1.000 | 803.788 | 0.999 | 14.680 |
| 10/17/2016 12:15:00 AM | 353700.000 | 57.020 | 16.933 |
| 131.657 | 1245.958 | 1472.896 | 0.746 |
| 1.002 | 802.595 | 0.999 | 14.676 |
| 10/17/2016 12:30:00 AM | 354600.000 | 57.016 | 16.932 |
| 131.649 | 1243.180 | 1469.644 | 0.745 |
| 0.999 | 804.389 | 0.999 | 14.687 |
| 10/17/2016 12:45:00 AM | 355500.000 | 57.022 | 16.932 |
| 131.662 | 1239.355 | 1465.122 | 0.742 |
| 0.996 | 806.871 | 0.999 | 14.689 |
| 10/17/2016 1:00:00 AM | 356400.000 | 57.011 | 16.933 |
| 131.638 | 1239.757 | 1465.571 | 0.742 |
| 0.997 | 806.609 | 0.999 | 14.700 |
| 10/17/2016 1:15:00 AM | 357300.000 | 57.019 | 16.932 |
| 131.655 | 1238.950 | 1464.640 | 0.742 |
| 0.996 | 807.135 | 0.999 | 14.699 |
| 10/17/2016 1:30:00 AM | 358200.000 | 57.022 | 16.933 |
| 131.662 | 1238.792 | 1464.416 | 0.742 |
| 0.996 | 807.238 | 0.999 | 14.701 |
| 10/17/2016 1:45:00 AM | 359100.000 | 57.024 | 16.933 |
| 131.667 | 1238.828 | 1464.490 | 0.742 |
| 0.996 | 807.215 | 0.999 | 14.700 |
| 10/17/2016 2:00:00 AM | 360000.000 | 57.018 | 16.932 |
| 131.653 | 1237.392 | 1462.798 | 0.741 |
| 0.995 | 808.151 | 0.999 | 14.707 |
| 10/17/2016 2:15:00 AM | 360900.000 | 57.028 | 16.932 |
| 131.675 | 1238.191 | 1463.740 | 0.741 |
| 0.995 | 807.630 | 0.999 | 14.703 |
| 10/17/2016 2:30:00 AM | 361800.000 | 57.020 | 16.933 |
| 131.658 | 1237.166 | 1462.525 | 0.741 |
| 0.995 | 808.299 | 0.999 | 14.709 |
| 10/17/2016 2:45:00 AM | 362700.000 | 57.023 | 16.933 |
| 131.665 | 1238.367 | 1463.919 | 0.742 |
| 0.995 | 807.515 | 0.999 | 14.707 |
| 10/17/2016 3:00:00 AM | 363600.000 | 57.025 | 16.931 |
| 131.669 | 1236.864 | 1462.217 | 0.741 |
| 0.994 | 808.496 | 0.999 | 14.709 |
| 10/17/2016 3:15:00 AM | 364500.000 | 57.028 | 16.933 |
| 131.676 | 1239.334 | 1465.057 | 0.742 |
| 0.996 | 806.885 | 0.999 | 14.705 |
| 10/17/2016 3:30:00 AM | 365400.000 | 57.026 | 16.933 |
| 131.671 | 1237.078 | 1462.410 | 0.741 |
| 0.994 | 808.356 | 0.999 | 14.710 |
| 10/17/2016 3:45:00 AM | 366300.000 | 57.029 | 16.934 |
| 131.677 | 1234.744 | 1459.627 | 0.739 |
| 0.993 | 809.884 | 0.999 | 14.709 |

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|---|---|---|---|
| 10/17/2016 4:00:00 AM | 367200.000 | 57.034 | 16.934 |
| 131.690 | 1236.036 | 1461.140 | 0.740 |
| 0.994 | 809.038 | 0.999 | 14.709 |
| 10/17/2016 4:15:00 AM | 368100.000 | 57.031 | 16.933 |
| 131.682 | 1236.233 | 1461.410 | 0.740 |
| 0.994 | 808.909 | 0.999 | 14.714 |
| 10/17/2016 4:30:00 AM | 369000.000 | 57.035 | 16.935 |
| 131.691 | 1234.870 | 1459.741 | 0.739 |
| 0.993 | 809.802 | 0.999 | 14.713 |
| 10/17/2016 4:45:00 AM | 369900.000 | 57.043 | 16.933 |
| 131.710 | 1236.389 | 1461.593 | 0.740 |
| 0.994 | 808.807 | 0.999 | 14.708 |
| 10/17/2016 5:00:00 AM | 370800.000 | 57.031 | 16.935 |
| 131.682 | 1234.988 | 1459.861 | 0.739 |
| 0.993 | 809.725 | 0.999 | 14.721 |
| 10/17/2016 5:15:00 AM | 371700.000 | 57.039 | 16.933 |
| 131.701 | 1233.328 | 1457.985 | 0.738 |
| 0.991 | 810.814 | 0.999 | 14.716 |
| 10/17/2016 5:30:00 AM | 372600.000 | 57.036 | 16.934 |
| 131.694 | 1234.919 | 1459.823 | 0.739 |
| 0.993 | 809.770 | 0.999 | 14.724 |
| 10/17/2016 5:45:00 AM | 373500.000 | 57.037 | 16.933 |
| 131.697 | 1236.899 | 1462.193 | 0.741 |
| 0.994 | 808.473 | 0.999 | 14.729 |
| 10/17/2016 6:00:00 AM | 374400.000 | 57.044 | 16.933 |
| 131.713 | 1236.158 | 1461.322 | 0.740 |
| 0.994 | 808.958 | 0.999 | 14.726 |
| 10/17/2016 6:15:00 AM | 375300.000 | 57.043 | 16.933 |
| 131.711 | 1237.073 | 1462.401 | 0.741 |
| 0.994 | 808.360 | 0.999 | 14.728 |
| 10/17/2016 6:30:00 AM | 376200.000 | 57.047 | 16.934 |
| 131.719 | 1238.233 | 1463.729 | 0.741 |
| 0.995 | 807.602 | 0.999 | 14.729 |
| 10/17/2016 6:45:00 AM | 377100.000 | 57.044 | 16.931 |
| 131.713 | 1239.653 | 1465.515 | 0.742 |
| 0.997 | 806.677 | 0.999 | 14.737 |
| 10/17/2016 7:00:00 AM | 378000.000 | 57.055 | 16.932 |
| 131.738 | 1242.318 | 1468.645 | 0.744 |
| 0.999 | 804.947 | 0.999 | 14.731 |
| 10/17/2016 7:15:00 AM | 378900.000 | 57.052 | 16.930 |
| 131.731 | 1241.480 | 1467.703 | 0.744 |
| 0.998 | 805.490 | 0.999 | 14.740 |
| 10/17/2016 7:30:00 AM | 379800.000 | 57.056 | 16.932 |
| 131.741 | 1242.261 | 1468.557 | 0.744 |
| 0.999 | 804.984 | 0.999 | 14.736 |
| 10/17/2016 7:45:00 AM | 380700.000 | 57.063 | 16.930 |
| 131.756 | 1242.414 | 1468.810 | 0.744 |
| 0.999 | 804.885 | 0.999 | 14.740 |
| 10/17/2016 8:00:00 AM | 381600.000 | 57.057 | 16.929 |
| 131.742 | 1243.135 | 1469.706 | 0.745 |
| 0.999 | 804.418 | 0.999 | 14.745 |
| 10/17/2016 8:15:00 AM | 382500.000 | 57.058 | 16.931 |
| 131.744 | 1243.732 | 1470.322 | 0.745 |
| 1.000 | 804.032 | 0.999 | 14.748 |
| 10/17/2016 8:30:00 AM | 383400.000 | 57.063 | 16.932 |

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|---|---|---|---|
| 131.758 | 1243.300 | 1469.786 | 0.745 |
| 0.999 | 804.311 | 0.999 | 14.750 |
| 10/17/2016 8:45:00 AM | 384300.000 | 57.059 | 16.930 |
| 131.747 | 1242.734 | 1469.186 | 0.744 |
| 0.999 | 804.678 | 0.999 | 14.755 |
| 10/17/2016 9:00:00 AM | 385200.000 | 57.062 | 16.932 |
| 131.755 | 1242.771 | 1469.168 | 0.744 |
| 0.999 | 804.654 | 0.999 | 14.757 |
| 10/17/2016 9:15:00 AM | 386100.000 | 57.062 | 16.931 |
| 131.754 | 1242.919 | 1469.385 | 0.744 |
| 0.999 | 804.557 | 0.999 | 14.759 |
| 10/17/2016 9:30:00 AM | 387000.000 | 57.067 | 16.930 |
| 131.766 | 1244.093 | 1470.784 | 0.745 |
| 1.000 | 803.798 | 0.999 | 14.755 |
| 10/17/2016 9:45:00 AM | 387900.000 | 57.063 | 16.928 |
| 131.757 | 1242.512 | 1468.997 | 0.744 |
| 0.999 | 804.821 | 0.999 | 14.759 |
| 10/17/2016 10:00:00 AM | 388800.000 | 57.067 | 16.930 |
| 131.765 | 1242.274 | 1468.657 | 0.744 |
| 0.999 | 804.975 | 0.999 | 14.758 |
| 10/17/2016 10:15:00 AM | 389700.000 | 57.072 | 16.929 |
| 131.777 | 1242.687 | 1469.163 | 0.744 |
| 0.999 | 804.708 | 0.999 | 14.760 |
| 10/17/2016 10:30:00 AM | 390600.000 | 57.073 | 16.928 |
| 131.779 | 1241.405 | 1467.693 | 0.744 |
| 0.998 | 805.539 | 0.999 | 14.761 |
| 10/17/2016 10:45:00 AM | 391500.000 | 57.067 | 16.929 |
| 131.766 | 1241.348 | 1467.570 | 0.743 |
| 0.998 | 805.576 | 0.999 | 14.766 |
| 10/17/2016 11:00:00 AM | 392400.000 | 57.077 | 16.930 |
| 131.790 | 1242.768 | 1469.217 | 0.744 |
| 0.999 | 804.656 | 0.999 | 14.757 |
| 10/17/2016 11:15:00 AM | 393300.000 | 57.071 | 16.931 |
| 131.775 | 1243.295 | 1469.831 | 0.745 |
| 0.999 | 804.315 | 0.999 | 14.766 |
| 10/17/2016 11:30:00 AM | 394200.000 | 57.071 | 16.928 |
| 131.774 | 1242.275 | 1468.699 | 0.744 |
| 0.999 | 804.975 | 0.999 | 14.767 |
| 10/17/2016 11:45:00 AM | 395100.000 | 57.068 | 16.932 |
| 131.768 | 1244.498 | 1471.225 | 0.745 |
| 1.000 | 803.537 | 0.999 | 14.757 |
| 10/17/2016 12:00:00 PM | 396000.000 | 57.077 | 16.931 |
| 131.788 | 1243.621 | 1470.194 | 0.745 |
| 1.000 | 804.103 | 0.999 | 14.766 |
| 10/17/2016 12:15:00 PM | 396900.000 | 57.078 | 16.931 |
| 131.792 | 1243.395 | 1469.950 | 0.745 |
| 1.000 | 804.250 | 0.999 | 14.760 |
| 10/17/2016 12:30:00 PM | 397800.000 | 57.082 | 16.932 |
| 131.801 | 1241.421 | 1467.585 | 0.743 |
| 0.998 | 805.529 | 0.999 | 14.761 |
| 10/17/2016 12:45:00 PM | 398700.000 | 57.077 | 16.930 |
| 131.788 | 1242.696 | 1469.144 | 0.744 |
| 0.999 | 804.702 | 0.999 | 14.765 |
| 10/17/2016 1:00:00 PM | 399600.000 | 57.077 | 16.931 |
| 131.789 | 1242.630 | 1469.025 | 0.744 |

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|---|---|---|---|
| 0.999 | 804.745 | 0.999 | 14.761 |
| 10/17/2016 1:15:00 PM | 400500.000 | 57.068 | 16.930 |
| 131.768 | 1241.991 | 1468.308 | 0.744 |
| 0.998 | 805.159 | 0.999 | 14.760 |
| 10/17/2016 1:30:00 PM | 401400.000 | 57.084 | 16.931 |
| 131.805 | 1241.240 | 1467.405 | 0.743 |
| 0.998 | 805.646 | 0.999 | 14.755 |
| 10/17/2016 1:45:00 PM | 402300.000 | 57.082 | 16.928 |
| 131.800 | 1240.475 | 1466.571 | 0.743 |
| 0.997 | 806.143 | 0.999 | 14.753 |
| 10/17/2016 2:00:00 PM | 403200.000 | 57.088 | 16.930 |
| 131.813 | 1241.717 | 1467.990 | 0.744 |
| 0.998 | 805.337 | 0.999 | 14.751 |
| 10/17/2016 2:15:00 PM | 404100.000 | 57.067 | 16.929 |
| 131.766 | 1240.818 | 1466.944 | 0.743 |
| 0.998 | 805.920 | 0.999 | 14.756 |
| 10/17/2016 2:30:00 PM | 405000.000 | 57.083 | 16.929 |
| 131.803 | 1241.198 | 1467.400 | 0.743 |
| 0.998 | 805.673 | 0.999 | 14.755 |
| 10/17/2016 2:45:00 PM | 405900.000 | 57.082 | 16.931 |
| 131.801 | 1241.572 | 1467.797 | 0.744 |
| 0.998 | 805.431 | 0.999 | 14.756 |
| 10/17/2016 3:00:00 PM | 406800.000 | 57.092 | 16.931 |
| 131.824 | 1240.832 | 1466.906 | 0.743 |
| 0.997 | 805.911 | 0.999 | 14.748 |
| 10/17/2016 3:15:00 PM | 407700.000 | 57.085 | 16.930 |
| 131.807 | 1241.025 | 1467.168 | 0.743 |
| 0.998 | 805.786 | 0.999 | 14.750 |
| 10/17/2016 3:30:00 PM | 408600.000 | 57.089 | 16.931 |
| 131.817 | 1241.227 | 1467.384 | 0.743 |
| 0.998 | 805.655 | 0.999 | 14.744 |
| 10/17/2016 3:45:00 PM | 409500.000 | 57.081 | 16.932 |
| 131.799 | 1240.839 | 1466.882 | 0.743 |
| 0.997 | 805.906 | 0.999 | 14.754 |
| 10/17/2016 4:00:00 PM | 410400.000 | 57.078 | 16.931 |
| 131.791 | 1240.629 | 1466.674 | 0.743 |
| 0.997 | 806.043 | 0.999 | 14.747 |
| 10/17/2016 4:15:00 PM | 411300.000 | 57.082 | 16.930 |
| 131.800 | 1240.249 | 1466.240 | 0.743 |
| 0.997 | 806.290 | 0.999 | 14.755 |
| 10/17/2016 4:30:00 PM | 412200.000 | 57.092 | 16.932 |
| 131.824 | 1239.879 | 1465.758 | 0.743 |
| 0.997 | 806.530 | 0.999 | 14.747 |
| 10/17/2016 4:45:00 PM | 413100.000 | 57.093 | 16.932 |
| 131.827 | 1240.515 | 1466.504 | 0.743 |
| 0.997 | 806.117 | 0.999 | 14.747 |
| 10/17/2016 5:00:00 PM | 414000.000 | 57.095 | 16.931 |
| 131.830 | 1242.270 | 1468.608 | 0.744 |
| 0.999 | 804.978 | 0.999 | 14.746 |
| 10/17/2016 5:15:00 PM | 414900.000 | 57.092 | 16.931 |
| 131.823 | 1241.651 | 1467.862 | 0.744 |
| 0.998 | 805.379 | 0.999 | 14.747 |
| 10/17/2016 5:30:00 PM | 415800.000 | 57.098 | 16.930 |
| 131.837 | 1240.421 | 1466.471 | 0.743 |
| 0.997 | 806.178 | 0.999 | 14.742 |

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|---|---|---|---|
| 10/17/2016 5:45:00 PM | 416700.000 | 57.099 | 16.931 |
| 131.840 | 1243.262 | 1469.767 | 0.745 |
| 0.999 | 804.335 | 0.999 | 14.744 |
| 10/17/2016 6:00:00 PM | 417600.000 | 57.100 | 16.928 |
| 131.843 | 1243.674 | 1470.363 | 0.745 |
| 1.000 | 804.070 | 0.999 | 14.743 |
| 10/17/2016 6:15:00 PM | 418500.000 | 57.098 | 16.930 |
| 131.837 | 1242.979 | 1469.467 | 0.744 |
| 0.999 | 804.519 | 0.999 | 14.746 |
| 10/17/2016 6:30:00 PM | 419400.000 | 57.104 | 16.930 |
| 131.851 | 1242.173 | 1468.511 | 0.744 |
| 0.999 | 805.041 | 0.999 | 14.742 |
| 10/17/2016 6:45:00 PM | 420300.000 | 57.106 | 16.930 |
| 131.855 | 1241.605 | 1467.843 | 0.744 |
| 0.998 | 805.409 | 0.999 | 14.744 |
| 10/17/2016 7:00:00 PM | 421200.000 | 57.108 | 16.929 |
| 131.860 | 1241.728 | 1468.038 | 0.744 |
| 0.998 | 805.329 | 0.999 | 14.742 |
| 10/17/2016 7:15:00 PM | 422100.000 | 57.110 | 16.930 |
| 131.865 | 1242.412 | 1468.826 | 0.744 |
| 0.999 | 804.886 | 0.999 | 14.747 |
| 10/17/2016 7:30:00 PM | 423000.000 | 57.107 | 16.930 |
| 131.857 | 1243.111 | 1469.640 | 0.745 |
| 0.999 | 804.434 | 0.999 | 14.750 |
| 10/17/2016 7:45:00 PM | 423900.000 | 57.110 | 16.928 |
| 131.866 | 1242.577 | 1469.071 | 0.744 |
| 0.999 | 804.779 | 0.999 | 14.753 |
| 10/17/2016 8:00:00 PM | 424800.000 | 57.102 | 16.929 |
| 131.846 | 1242.981 | 1469.502 | 0.745 |
| 0.999 | 804.517 | 0.999 | 14.756 |
| 10/17/2016 8:15:00 PM | 425700.000 | 57.113 | 16.931 |
| 131.873 | 1244.527 | 1471.276 | 0.745 |
| 1.000 | 803.518 | 0.999 | 14.755 |
| 10/17/2016 8:30:00 PM | 426600.000 | 57.116 | 16.931 |
| 131.879 | 1244.892 | 1471.722 | 0.746 |
| 1.001 | 803.283 | 0.999 | 14.749 |
| 10/17/2016 8:45:00 PM | 427500.000 | 57.111 | 16.927 |
| 131.868 | 1244.299 | 1471.139 | 0.745 |
| 1.000 | 803.665 | 0.999 | 14.762 |
| 10/17/2016 9:00:00 PM | 428400.000 | 57.107 | 16.928 |
| 131.859 | 1244.395 | 1471.229 | 0.745 |
| 1.000 | 803.603 | 0.999 | 14.761 |
| 10/17/2016 9:15:00 PM | 429300.000 | 57.110 | 16.928 |
| 131.865 | 1244.694 | 1471.558 | 0.746 |
| 1.001 | 803.410 | 0.999 | 14.761 |
| 10/17/2016 9:30:00 PM | 430200.000 | 57.111 | 16.927 |
| 131.868 | 1245.610 | 1472.685 | 0.746 |
| 1.001 | 802.819 | 0.999 | 14.764 |
| 10/17/2016 9:45:00 PM | 431100.000 | 57.117 | 16.930 |
| 131.881 | 1245.768 | 1472.790 | 0.746 |
| 1.001 | 802.718 | 0.999 | 14.758 |
| 10/17/2016 10:00:00 PM | 432000.000 | 57.115 | 16.927 |
| 131.878 | 1246.807 | 1474.098 | 0.747 |
| 1.002 | 802.049 | 0.999 | 14.763 |
| 10/17/2016 10:15:00 PM | 432900.000 | 57.113 | 16.929 |

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|---|---|---|---|
| 131.871 | 1245.729 | 1472.768 | 0.746 |
| 1.001 | 802.743 | 0.999 | 14.766 |
| 10/17/2016 10:30:00 PM | 433800.000 | 57.117 | 16.929 |
| 131.881 | 1246.058 | 1473.156 | 0.746 |
| 1.002 | 802.531 | 0.999 | 14.766 |
| 10/17/2016 10:45:00 PM | 434700.000 | 57.119 | 16.928 |
| 131.887 | 1243.501 | 1470.177 | 0.745 |
| 1.000 | 804.181 | 0.999 | 14.767 |
| 10/17/2016 11:00:00 PM | 435600.000 | 57.118 | 16.928 |
| 131.884 | 1244.921 | 1471.844 | 0.746 |
| 1.001 | 803.264 | 0.999 | 14.769 |
| 10/17/2016 11:15:00 PM | 436500.000 | 57.116 | 16.930 |
| 131.878 | 1246.068 | 1473.121 | 0.746 |
| 1.002 | 802.525 | 0.999 | 14.773 |
| 10/17/2016 11:30:00 PM | 437400.000 | 57.114 | 16.930 |
| 131.875 | 1246.553 | 1473.719 | 0.747 |
| 1.002 | 802.212 | 0.999 | 14.775 |
| 10/17/2016 11:45:00 PM | 438300.000 | 57.102 | 16.930 |
| 131.848 | 1246.234 | 1473.330 | 0.747 |
| 1.002 | 802.417 | 0.999 | 14.776 |
| 10/18/2016 12:00:00 AM | 439200.000 | 57.115 | 16.928 |
| 131.877 | 1246.893 | 1474.170 | 0.747 |
| 1.002 | 801.993 | 0.999 | 14.778 |
| 10/18/2016 12:15:00 AM | 440100.000 | 57.116 | 16.929 |
| 131.880 | 1246.499 | 1473.660 | 0.747 |
| 1.002 | 802.247 | 0.999 | 14.780 |
| 10/18/2016 12:30:00 AM | 441000.000 | 57.118 | 16.927 |
| 131.883 | 1246.079 | 1473.234 | 0.746 |
| 1.002 | 802.518 | 0.999 | 14.782 |
| 10/18/2016 12:45:00 AM | 441900.000 | 57.117 | 16.929 |
| 131.882 | 1246.541 | 1473.739 | 0.747 |
| 1.002 | 802.220 | 0.999 | 14.780 |
| 10/18/2016 1:00:00 AM | 442800.000 | 57.121 | 16.930 |
| 131.891 | 1246.168 | 1473.249 | 0.746 |
| 1.002 | 802.460 | 0.999 | 14.784 |
| 10/18/2016 1:15:00 AM | 443700.000 | 57.127 | 16.929 |
| 131.905 | 1246.487 | 1473.670 | 0.747 |
| 1.002 | 802.255 | 0.999 | 14.780 |
| 10/18/2016 1:30:00 AM | 444600.000 | 57.121 | 16.929 |
| 131.891 | 1246.456 | 1473.633 | 0.747 |
| 1.002 | 802.274 | 0.999 | 14.786 |
| 10/18/2016 1:45:00 AM | 445500.000 | 57.124 | 16.928 |
| 131.897 | 1246.831 | 1474.117 | 0.747 |
| 1.002 | 802.033 | 0.999 | 14.785 |
| 10/18/2016 2:00:00 AM | 446400.000 | 57.128 | 16.928 |
| 131.906 | 1246.209 | 1473.355 | 0.747 |
| 1.002 | 802.434 | 0.999 | 14.784 |
| 10/18/2016 2:15:00 AM | 447300.000 | 57.131 | 16.928 |
| 131.914 | 1246.917 | 1474.219 | 0.747 |
| 1.002 | 801.978 | 0.999 | 14.784 |
| 10/18/2016 2:30:00 AM | 448200.000 | 57.132 | 16.929 |
| 131.916 | 1246.222 | 1473.342 | 0.747 |
| 1.002 | 802.425 | 0.999 | 14.787 |
| 10/18/2016 2:45:00 AM | 449100.000 | 57.131 | 16.928 |
| 131.914 | 1246.636 | 1473.866 | 0.747 |

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|---|---|---|---|
| 1.002 | 802.159 | 0.999 | 14.788 |
| 10/18/2016 3:00:00 AM | 450000.000 | 57.132 | 16.928 |
| 131.916 | 1246.553 | 1473.759 | 0.747 |
| 1.002 | 802.212 | 0.999 | 14.787 |
| 10/18/2016 3:15:00 AM | 450900.000 | 57.126 | 16.929 |
| 131.901 | 1246.304 | 1473.453 | 0.747 |
| 1.002 | 802.373 | 0.999 | 14.781 |
| 10/18/2016 3:30:00 AM | 451800.000 | 57.136 | 16.928 |
| 131.925 | 1247.326 | 1474.699 | 0.747 |
| 1.003 | 801.715 | 0.999 | 14.784 |
| 10/18/2016 3:45:00 AM | 452700.000 | 57.137 | 16.929 |
| 131.928 | 1247.243 | 1474.554 | 0.747 |
| 1.003 | 801.768 | 0.999 | 14.785 |
| 10/18/2016 4:00:00 AM | 453600.000 | 57.144 | 16.927 |
| 131.945 | 1247.137 | 1474.505 | 0.747 |
| 1.003 | 801.837 | 0.999 | 14.781 |
| 10/18/2016 4:15:00 AM | 454500.000 | 57.125 | 16.927 |
| 131.901 | 1247.521 | 1474.950 | 0.747 |
| 1.003 | 801.590 | 0.999 | 14.785 |
| 10/18/2016 4:30:00 AM | 455400.000 | 57.143 | 16.927 |
| 131.941 | 1247.965 | 1475.461 | 0.748 |
| 1.003 | 801.304 | 0.999 | 14.785 |
| 10/18/2016 4:45:00 AM | 456300.000 | 57.146 | 16.928 |
| 131.949 | 1247.900 | 1475.349 | 0.748 |
| 1.003 | 801.346 | 0.999 | 14.786 |
| 10/18/2016 5:00:00 AM | 457200.000 | 57.131 | 16.926 |
| 131.914 | 1246.561 | 1473.833 | 0.747 |
| 1.002 | 802.207 | 0.999 | 14.786 |
| 10/18/2016 5:15:00 AM | 458100.000 | 57.149 | 16.929 |
| 131.954 | 1246.837 | 1474.066 | 0.747 |
| 1.002 | 802.029 | 0.999 | 14.790 |
| 10/18/2016 5:30:00 AM | 459000.000 | 57.152 | 16.928 |
| 131.962 | 1246.766 | 1474.009 | 0.747 |
| 1.002 | 802.075 | 0.999 | 14.789 |
| 10/18/2016 5:45:00 AM | 459900.000 | 57.152 | 16.928 |
| 131.962 | 1246.452 | 1473.666 | 0.747 |
| 1.002 | 802.277 | 0.999 | 14.790 |
| 10/18/2016 6:00:00 AM | 460800.000 | 57.157 | 16.927 |
| 131.973 | 1247.586 | 1475.013 | 0.747 |
| 1.003 | 801.548 | 0.999 | 14.794 |
| 10/18/2016 6:15:00 AM | 461700.000 | 57.161 | 16.928 |
| 131.983 | 1248.362 | 1475.927 | 0.748 |
| 1.004 | 801.050 | 0.999 | 14.795 |
| 10/18/2016 6:30:00 AM | 462600.000 | 57.158 | 16.927 |
| 131.975 | 1248.699 | 1476.347 | 0.748 |
| 1.004 | 800.833 | 0.999 | 14.799 |
| 10/18/2016 6:45:00 AM | 463500.000 | 57.146 | 16.929 |
| 131.949 | 1247.693 | 1475.101 | 0.747 |
| 1.003 | 801.479 | 0.999 | 14.800 |
| 10/18/2016 7:00:00 AM | 464400.000 | 57.166 | 16.926 |
| 131.993 | 1248.332 | 1475.930 | 0.748 |
| 1.004 | 801.069 | 0.999 | 14.802 |
| 10/18/2016 7:15:00 AM | 465300.000 | 57.168 | 16.928 |
| 132.000 | 1246.800 | 1474.080 | 0.747 |
| 1.002 | 802.053 | 0.999 | 14.804 |

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|---|---|---|---|
| 10/18/2016 7:30:00 AM | 466200.000 | 57.173 | 16.928 |
| 132.010 | 1246.880 | 1474.161 | 0.747 |
| 1.002 | 802.001 | 0.999 | 14.801 |
| 10/18/2016 7:45:00 AM | 467100.000 | 57.171 | 16.929 |
| 132.007 | 1246.948 | 1474.215 | 0.747 |
| 1.002 | 801.958 | 0.999 | 14.806 |
| 10/18/2016 8:00:00 AM | 468000.000 | 57.172 | 16.927 |
| 132.009 | 1247.284 | 1474.662 | 0.747 |
| 1.003 | 801.742 | 0.999 | 14.806 |
| 10/18/2016 8:15:00 AM | 468900.000 | 57.164 | 16.926 |
| 131.990 | 1247.055 | 1474.417 | 0.747 |
| 1.003 | 801.889 | 0.999 | 14.815 |
| 10/18/2016 8:30:00 AM | 469800.000 | 57.163 | 16.926 |
| 131.988 | 1248.302 | 1475.903 | 0.748 |
| 1.004 | 801.088 | 0.999 | 14.820 |
| 10/18/2016 8:45:00 AM | 470700.000 | 57.170 | 16.928 |
| 132.004 | 1247.733 | 1475.181 | 0.748 |
| 1.003 | 801.453 | 0.999 | 14.808 |
| 10/18/2016 9:00:00 AM | 471600.000 | 57.165 | 16.928 |
| 131.991 | 1248.215 | 1475.727 | 0.748 |
| 1.003 | 801.144 | 0.999 | 14.809 |
| 10/18/2016 9:15:00 AM | 472500.000 | 57.156 | 16.925 |
| 131.970 | 1248.496 | 1476.159 | 0.748 |
| 1.004 | 800.964 | 0.999 | 14.822 |
| 10/18/2016 9:30:00 AM | 473400.000 | 57.154 | 16.927 |
| 131.966 | 1248.110 | 1475.635 | 0.748 |
| 1.003 | 801.211 | 0.999 | 14.820 |
| 10/18/2016 9:45:00 AM | 474300.000 | 57.149 | 16.927 |
| 131.955 | 1246.590 | 1473.838 | 0.747 |
| 1.002 | 802.189 | 0.999 | 14.822 |
| 10/18/2016 10:00:00 AM | 475200.000 | 57.155 | 16.927 |
| 131.969 | 1248.074 | 1475.605 | 0.748 |
| 1.003 | 801.234 | 0.999 | 14.819 |
| 10/18/2016 10:15:00 AM | 476100.000 | 57.143 | 16.927 |
| 131.943 | 1248.459 | 1476.045 | 0.748 |
| 1.004 | 800.988 | 0.999 | 14.823 |
| 10/18/2016 10:30:00 AM | 477000.000 | 57.139 | 16.927 |
| 131.933 | 1248.452 | 1476.063 | 0.748 |
| 1.004 | 800.992 | 0.999 | 14.821 |
| 10/18/2016 10:45:00 AM | 477900.000 | 57.137 | 16.925 |
| 131.929 | 1248.443 | 1476.099 | 0.748 |
| 1.004 | 800.998 | 0.999 | 14.822 |
| 10/18/2016 11:00:00 AM | 478800.000 | 57.113 | 16.925 |
| 131.872 | 1248.898 | 1476.660 | 0.748 |
| 1.004 | 800.706 | 0.999 | 14.826 |
| 10/18/2016 11:15:00 AM | 479700.000 | 57.134 | 16.927 |
| 131.920 | 1248.863 | 1476.523 | 0.748 |
| 1.004 | 800.728 | 0.999 | 14.818 |
| 10/18/2016 11:30:00 AM | 480600.000 | 57.133 | 16.927 |
| 131.919 | 1248.702 | 1476.341 | 0.748 |
| 1.004 | 800.832 | 0.999 | 14.817 |
| 10/18/2016 11:45:00 AM | 481500.000 | 57.135 | 16.930 |
| 131.922 | 1249.199 | 1476.847 | 0.748 |
| 1.004 | 800.513 | 0.999 | 14.817 |
| 10/18/2016 12:00:00 PM | 482400.000 | 57.132 | 16.928 |

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|---|---|---|---|
| 131.916 | 1248.375 | 1475.921 | 0.748 |
| 1.004 | 801.042 | 0.999 | 14.818 |
| 10/18/2016 12:15:00 PM | 483300.000 | 57.133 | 16.926 |
| 131.919 | 1247.349 | 1474.771 | 0.747 |
| 1.003 | 801.700 | 0.999 | 14.816 |
| 10/18/2016 12:30:00 PM | 484200.000 | 57.133 | 16.928 |
| 131.918 | 1246.791 | 1474.064 | 0.747 |
| 1.002 | 802.059 | 0.999 | 14.821 |
| 10/18/2016 12:45:00 PM | 485100.000 | 57.137 | 16.928 |
| 131.927 | 1245.893 | 1472.988 | 0.746 |
| 1.002 | 802.637 | 0.999 | 14.813 |
| 10/18/2016 1:00:00 PM | 486000.000 | 57.145 | 16.929 |
| 131.945 | 1246.096 | 1473.198 | 0.746 |
| 1.002 | 802.506 | 0.999 | 14.802 |
| 10/18/2016 1:15:00 PM | 486900.000 | 57.146 | 16.929 |
| 131.949 | 1244.658 | 1471.513 | 0.746 |
| 1.001 | 803.434 | 0.999 | 14.804 |
| 10/18/2016 1:30:00 PM | 487800.000 | 57.138 | 16.929 |
| 131.930 | 1244.513 | 1471.339 | 0.745 |
| 1.001 | 803.527 | 0.999 | 14.804 |
| 10/18/2016 1:45:00 PM | 488700.000 | 57.144 | 16.927 |
| 131.945 | 1244.623 | 1471.515 | 0.746 |
| 1.001 | 803.456 | 0.999 | 14.799 |
| 10/18/2016 2:00:00 PM | 489600.000 | 57.143 | 16.930 |
| 131.941 | 1244.851 | 1471.688 | 0.746 |
| 1.001 | 803.309 | 0.999 | 14.798 |
| 10/18/2016 2:15:00 PM | 490500.000 | 57.151 | 16.928 |
| 131.960 | 1243.843 | 1470.570 | 0.745 |
| 1.000 | 803.960 | 0.999 | 14.789 |
| 10/18/2016 2:30:00 PM | 491400.000 | 57.142 | 16.929 |
| 131.940 | 1243.327 | 1469.925 | 0.745 |
| 1.000 | 804.293 | 0.999 | 14.796 |
| 10/18/2016 2:45:00 PM | 492300.000 | 57.151 | 16.928 |
| 131.960 | 1241.917 | 1468.299 | 0.744 |
| 0.998 | 805.207 | 0.999 | 14.786 |
| 10/18/2016 3:00:00 PM | 493200.000 | 57.153 | 16.927 |
| 131.963 | 1241.603 | 1467.945 | 0.744 |
| 0.998 | 805.410 | 0.999 | 14.782 |
| 10/18/2016 3:15:00 PM | 494100.000 | 57.155 | 16.930 |
| 131.968 | 1242.459 | 1468.876 | 0.744 |
| 0.999 | 804.855 | 0.999 | 14.781 |
| 10/18/2016 3:30:00 PM | 495000.000 | 57.152 | 16.928 |
| 131.961 | 1241.643 | 1467.978 | 0.744 |
| 0.998 | 805.384 | 0.999 | 14.783 |
| 10/18/2016 3:45:00 PM | 495900.000 | 57.150 | 16.930 |
| 131.957 | 1240.158 | 1466.156 | 0.743 |
| 0.997 | 806.349 | 0.999 | 14.780 |
| 10/18/2016 4:00:00 PM | 496800.000 | 57.143 | 16.931 |
| 131.942 | 1239.714 | 1465.584 | 0.742 |
| 0.997 | 806.638 | 0.999 | 14.776 |
| 10/18/2016 4:15:00 PM | 497700.000 | 57.153 | 16.930 |
| 131.964 | 1239.434 | 1465.302 | 0.742 |
| 0.996 | 806.820 | 0.999 | 14.775 |
| 10/18/2016 4:30:00 PM | 498600.000 | 57.161 | 16.930 |
| 131.982 | 1239.106 | 1464.906 | 0.742 |

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|---|---|---|---|
| 0.996 | 807.034 | 0.999 | 14.772 |
| 10/18/2016 4:45:00 PM | 499500.000 | 57.159 | 16.929 |
| 131.978 | 1239.870 | 1465.834 | 0.743 |
| 0.997 | 806.536 | 0.999 | 14.775 |
| 10/18/2016 5:00:00 PM | 500400.000 | 57.160 | 16.929 |
| 131.981 | 1239.959 | 1465.952 | 0.743 |
| 0.997 | 806.478 | 0.999 | 14.772 |
| 10/18/2016 5:15:00 PM | 501300.000 | 57.161 | 16.930 |
| 131.983 | 1240.217 | 1466.222 | 0.743 |
| 0.997 | 806.310 | 0.999 | 14.775 |
| 10/18/2016 5:30:00 PM | 502200.000 | 57.160 | 16.928 |
| 131.980 | 1240.455 | 1466.567 | 0.743 |
| 0.997 | 806.156 | 0.999 | 14.778 |
| 10/18/2016 5:45:00 PM | 503100.000 | 57.154 | 16.928 |
| 131.968 | 1241.903 | 1468.274 | 0.744 |
| 0.998 | 805.216 | 0.999 | 14.784 |
| 10/18/2016 6:00:00 PM | 504000.000 | 57.154 | 16.929 |
| 131.966 | 1240.456 | 1466.523 | 0.743 |
| 0.997 | 806.155 | 0.999 | 14.783 |
| 10/18/2016 6:15:00 PM | 504900.000 | 57.160 | 16.929 |
| 131.980 | 1239.973 | 1465.974 | 0.743 |
| 0.997 | 806.469 | 0.999 | 14.778 |
| 10/18/2016 6:30:00 PM | 505800.000 | 57.163 | 16.927 |
| 131.989 | 1240.503 | 1466.651 | 0.743 |
| 0.997 | 806.125 | 0.999 | 14.777 |
| 10/18/2016 6:45:00 PM | 506700.000 | 57.156 | 16.928 |
| 131.971 | 1241.736 | 1468.087 | 0.744 |
| 0.998 | 805.324 | 0.999 | 14.790 |
| 10/18/2016 7:00:00 PM | 507600.000 | 57.165 | 16.929 |
| 131.993 | 1242.497 | 1468.935 | 0.744 |
| 0.999 | 804.831 | 0.999 | 14.782 |
| 10/18/2016 7:15:00 PM | 508500.000 | 57.176 | 16.929 |
| 132.018 | 1243.146 | 1469.714 | 0.745 |
| 0.999 | 804.411 | 0.999 | 14.778 |
| 10/18/2016 7:30:00 PM | 509400.000 | 57.165 | 16.928 |
| 131.993 | 1244.087 | 1470.865 | 0.745 |
| 1.000 | 803.802 | 0.999 | 14.793 |
| 10/18/2016 7:45:00 PM | 510300.000 | 57.156 | 16.927 |
| 131.972 | 1245.408 | 1472.447 | 0.746 |
| 1.001 | 802.949 | 0.999 | 14.787 |
| 10/18/2016 8:00:00 PM | 511200.000 | 57.166 | 16.927 |
| 131.993 | 1244.457 | 1471.327 | 0.745 |
| 1.001 | 803.563 | 0.999 | 14.796 |
| 10/18/2016 8:15:00 PM | 512100.000 | 57.170 | 16.928 |
| 132.005 | 1245.556 | 1472.604 | 0.746 |
| 1.001 | 802.854 | 0.999 | 14.795 |
| 10/18/2016 8:30:00 PM | 513000.000 | 57.169 | 16.927 |
| 132.002 | 1244.732 | 1471.647 | 0.746 |
| 1.001 | 803.386 | 0.999 | 14.799 |
| 10/18/2016 8:45:00 PM | 513900.000 | 57.171 | 16.926 |
| 132.005 | 1245.453 | 1472.549 | 0.746 |
| 1.001 | 802.921 | 0.999 | 14.797 |
| 10/18/2016 9:00:00 PM | 514800.000 | 57.178 | 16.927 |
| 132.021 | 1245.107 | 1472.082 | 0.746 |
| 1.001 | 803.144 | 0.999 | 14.795 |

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|---|---|---|---|
| 10/18/2016 9:15:00 PM | 515700.000 | 57.173 | 16.926 |
| 132.011 | 1244.094 | 1470.919 | 0.745 |
| 1.000 | 803.798 | 0.999 | 14.801 |
| 10/18/2016 9:30:00 PM | 516600.000 | 57.181 | 16.926 |
| 132.030 | 1244.740 | 1471.698 | 0.746 |
| 1.001 | 803.381 | 0.999 | 14.799 |
| 10/18/2016 9:45:00 PM | 517500.000 | 57.175 | 16.927 |
| 132.015 | 1245.385 | 1472.439 | 0.746 |
| 1.001 | 802.965 | 0.999 | 14.807 |
| 10/18/2016 10:00:00 PM | 518400.000 | 57.171 | 16.928 |
| 132.006 | 1245.122 | 1472.064 | 0.746 |
| 1.001 | 803.134 | 0.999 | 14.808 |
| 10/18/2016 10:15:00 PM | 519300.000 | 57.179 | 16.926 |
| 132.025 | 1244.946 | 1471.952 | 0.746 |
| 1.001 | 803.248 | 0.999 | 14.806 |
| 10/18/2016 10:30:00 PM | 520200.000 | 57.180 | 16.927 |
| 132.027 | 1245.874 | 1473.003 | 0.746 |
| 1.002 | 802.649 | 0.999 | 14.807 |
| 10/18/2016 10:45:00 PM | 521100.000 | 57.180 | 16.927 |
| 132.028 | 1246.207 | 1473.388 | 0.747 |
| 1.002 | 802.435 | 0.999 | 14.805 |
| 10/18/2016 11:00:00 PM | 522000.000 | 57.181 | 16.926 |
| 132.030 | 1246.516 | 1473.797 | 0.747 |
| 1.002 | 802.236 | 0.999 | 14.805 |
| 10/18/2016 11:15:00 PM | 522900.000 | 57.180 | 16.925 |
| 132.027 | 1247.124 | 1474.548 | 0.747 |
| 1.003 | 801.845 | 0.999 | 14.807 |
| 10/18/2016 11:30:00 PM | 523800.000 | 57.184 | 16.927 |
| 132.037 | 1247.186 | 1474.540 | 0.747 |
| 1.003 | 801.805 | 0.999 | 14.807 |
| 10/18/2016 11:45:00 PM | 524700.000 | 57.187 | 16.926 |
| 132.042 | 1247.244 | 1474.651 | 0.747 |
| 1.003 | 801.768 | 0.999 | 14.807 |
| 10/19/2016 12:00:00 AM | 525600.000 | 57.186 | 16.928 |
| 132.041 | 1245.829 | 1472.929 | 0.746 |
| 1.002 | 802.678 | 0.999 | 14.806 |
| 10/19/2016 12:15:00 AM | 526500.000 | 57.192 | 16.928 |
| 132.054 | 1246.071 | 1473.213 | 0.746 |
| 1.002 | 802.522 | 0.999 | 14.802 |
| 10/19/2016 12:30:00 AM | 527400.000 | 57.184 | 16.927 |
| 132.035 | 1245.293 | 1472.331 | 0.746 |
| 1.001 | 803.024 | 0.999 | 14.808 |
| 10/19/2016 12:45:00 AM | 528300.000 | 57.194 | 16.928 |
| 132.058 | 1245.749 | 1472.823 | 0.746 |
| 1.002 | 802.730 | 0.999 | 14.799 |
| 10/19/2016 1:00:00 AM | 529200.000 | 57.170 | 16.927 |
| 132.004 | 1246.176 | 1473.360 | 0.747 |
| 1.002 | 802.455 | 0.999 | 14.808 |
| 10/19/2016 1:15:00 AM | 530100.000 | 57.188 | 16.928 |
| 132.045 | 1245.819 | 1472.915 | 0.746 |
| 1.002 | 802.685 | 0.999 | 14.809 |
| 10/19/2016 1:30:00 AM | 531000.000 | 57.192 | 16.927 |
| 132.055 | 1246.043 | 1473.194 | 0.746 |
| 1.002 | 802.541 | 0.999 | 14.805 |
| 10/19/2016 1:45:00 AM | 531900.000 | 57.187 | 16.927 |

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|---|---|---|---|
| 132.042 | 1244.304 | 1471.135 | 0.745 |
| 1.000 | 803.662 | 0.999 | 14.809 |
| 10/19/2016 2:00:00 AM | 532800.000 | 57.191 | 16.927 |
| 132.053 | 1243.321 | 1469.973 | 0.745 |
| 1.000 | 804.298 | 0.999 | 14.808 |
| 10/19/2016 2:15:00 AM | 533700.000 | 57.187 | 16.928 |
| 132.043 | 1244.165 | 1470.957 | 0.745 |
| 1.000 | 803.752 | 0.999 | 14.808 |
| 10/19/2016 2:30:00 AM | 534600.000 | 57.186 | 16.928 |
| 132.041 | 1244.616 | 1471.486 | 0.746 |
| 1.001 | 803.461 | 0.999 | 14.812 |
| 10/19/2016 2:45:00 AM | 535500.000 | 57.184 | 16.928 |
| 132.035 | 1244.597 | 1471.458 | 0.746 |
| 1.001 | 803.473 | 0.999 | 14.816 |
| 10/19/2016 3:00:00 AM | 536400.000 | 57.187 | 16.927 |
| 132.044 | 1243.057 | 1469.672 | 0.745 |
| 0.999 | 804.468 | 0.999 | 14.813 |
| 10/19/2016 3:15:00 AM | 537300.000 | 57.191 | 16.929 |
| 132.051 | 1242.610 | 1469.074 | 0.744 |
| 0.999 | 804.758 | 0.999 | 14.810 |
| 10/19/2016 3:30:00 AM | 538200.000 | 57.192 | 16.928 |
| 132.055 | 1242.647 | 1469.153 | 0.744 |
| 0.999 | 804.734 | 0.999 | 14.806 |
| 10/19/2016 3:45:00 AM | 539100.000 | 57.185 | 16.927 |
| 132.037 | 1242.247 | 1468.715 | 0.744 |
| 0.999 | 804.993 | 0.999 | 14.811 |
| 10/19/2016 4:00:00 AM | 540000.000 | 57.191 | 16.928 |
| 132.052 | 1242.588 | 1469.075 | 0.744 |
| 0.999 | 804.772 | 0.999 | 14.809 |
| 10/19/2016 4:15:00 AM | 540900.000 | 57.193 | 16.928 |
| 132.057 | 1243.312 | 1469.930 | 0.745 |
| 1.000 | 804.304 | 0.999 | 14.803 |
| 10/19/2016 4:30:00 AM | 541800.000 | 57.201 | 16.928 |
| 132.075 | 1242.608 | 1469.116 | 0.744 |
| 0.999 | 804.759 | 0.999 | 14.799 |
| 10/19/2016 4:45:00 AM | 542700.000 | 57.188 | 16.930 |
| 132.046 | 1242.838 | 1469.324 | 0.744 |
| 0.999 | 804.610 | 0.999 | 14.807 |
| 10/19/2016 5:00:00 AM | 543600.000 | 57.202 | 16.929 |
| 132.076 | 1243.051 | 1469.590 | 0.745 |
| 0.999 | 804.472 | 0.999 | 14.800 |
| 10/19/2016 5:15:00 AM | 544500.000 | 57.201 | 16.930 |
| 132.076 | 1242.302 | 1468.679 | 0.744 |
| 0.999 | 804.957 | 0.999 | 14.802 |
| 10/19/2016 5:30:00 AM | 545400.000 | 57.192 | 16.929 |
| 132.055 | 1240.810 | 1466.958 | 0.743 |
| 0.998 | 805.925 | 0.999 | 14.804 |
| 10/19/2016 5:45:00 AM | 546300.000 | 57.196 | 16.930 |
| 132.064 | 1240.140 | 1466.134 | 0.743 |
| 0.997 | 806.361 | 0.999 | 14.807 |
| 10/19/2016 6:00:00 AM | 547200.000 | 57.190 | 16.930 |
| 132.051 | 1239.676 | 1465.588 | 0.742 |
| 0.997 | 806.662 | 0.999 | 14.810 |
| 10/19/2016 6:15:00 AM | 548100.000 | 57.193 | 16.930 |
| 132.056 | 1240.448 | 1466.500 | 0.743 |

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|---|---|---|---|
| 0.997 | 806.161 | 0.999 | 14.811 |
| 10/19/2016 6:30:00 AM | 549000.000 | 57.191 | 16.931 |
| 132.051 | 1240.903 | 1467.005 | 0.743 |
| 0.998 | 805.865 | 0.999 | 14.809 |
| 10/19/2016 6:45:00 AM | 549900.000 | 57.195 | 16.928 |
| 132.063 | 1238.992 | 1464.820 | 0.742 |
| 0.996 | 807.107 | 0.999 | 14.804 |
| 10/19/2016 7:00:00 AM | 550800.000 | 57.193 | 16.928 |
| 132.056 | 1239.717 | 1465.677 | 0.742 |
| 0.997 | 806.636 | 0.999 | 14.802 |
| 10/19/2016 7:15:00 AM | 551700.000 | 57.184 | 16.932 |
| 132.035 | 1238.096 | 1463.650 | 0.741 |
| 0.995 | 807.692 | 0.999 | 14.813 |
| 10/19/2016 7:30:00 AM | 552600.000 | 57.187 | 16.933 |
| 132.043 | 1237.035 | 1462.359 | 0.741 |
| 0.994 | 808.385 | 0.999 | 14.810 |
| 10/19/2016 7:45:00 AM | 553500.000 | 57.188 | 16.932 |
| 132.044 | 1236.022 | 1461.199 | 0.740 |
| 0.994 | 809.047 | 0.999 | 14.809 |
| 10/19/2016 8:00:00 AM | 554400.000 | 57.178 | 16.936 |
| 132.023 | 1233.271 | 1457.808 | 0.738 |
| 0.991 | 810.852 | 0.999 | 14.812 |
| 10/19/2016 8:15:00 AM | 555300.000 | 57.165 | 16.934 |
| 131.993 | 1233.554 | 1458.192 | 0.739 |
| 0.992 | 810.665 | 0.999 | 14.815 |
| 10/19/2016 8:30:00 AM | 556200.000 | 57.160 | 16.935 |
| 131.980 | 1233.480 | 1458.096 | 0.738 |
| 0.992 | 810.714 | 0.999 | 14.816 |
| 10/19/2016 8:45:00 AM | 557100.000 | 57.150 | 16.935 |
| 131.959 | 1232.957 | 1457.469 | 0.738 |
| 0.991 | 811.058 | 0.999 | 14.816 |
| 10/19/2016 9:00:00 AM | 558000.000 | 57.128 | 16.933 |
| 131.906 | 1233.679 | 1458.386 | 0.739 |
| 0.992 | 810.583 | 0.999 | 14.824 |
| 10/19/2016 9:15:00 AM | 558900.000 | 57.126 | 16.932 |
| 131.902 | 1232.952 | 1457.564 | 0.738 |
| 0.991 | 811.061 | 0.999 | 14.821 |
| 10/19/2016 9:30:00 AM | 559800.000 | 57.115 | 16.932 |
| 131.877 | 1233.379 | 1458.077 | 0.738 |
| 0.991 | 810.781 | 0.999 | 14.820 |
| 10/19/2016 9:45:00 AM | 560700.000 | 57.099 | 16.934 |
| 131.839 | 1232.520 | 1456.986 | 0.738 |
| 0.991 | 811.346 | 0.999 | 14.825 |
| 10/19/2016 10:00:00 AM | 561600.000 | 57.089 | 16.933 |
| 131.817 | 1232.002 | 1456.412 | 0.738 |
| 0.990 | 811.687 | 0.999 | 14.821 |
| 10/19/2016 10:15:00 AM | 562500.000 | 57.089 | 16.935 |
| 131.817 | 1232.335 | 1456.731 | 0.738 |
| 0.991 | 811.468 | 0.999 | 14.815 |
| 10/19/2016 10:30:00 AM | 563400.000 | 57.074 | 16.933 |
| 131.781 | 1231.968 | 1456.349 | 0.738 |
| 0.990 | 811.709 | 0.999 | 14.820 |
| 10/19/2016 10:45:00 AM | 564300.000 | 57.068 | 16.935 |
| 131.767 | 1231.842 | 1456.140 | 0.737 |
| 0.990 | 811.792 | 0.999 | 14.816 |

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|---|---|---|---|
| 10/19/2016 11:00:00 AM | 565200.000 | 57.057 | 16.933 |
| 131.743 | 1231.447 | 1455.761 | 0.737 |
| 0.990 | 812.053 | 0.999 | 14.816 |
| 10/19/2016 11:15:00 AM | 566100.000 | 57.051 | 16.935 |
| 131.729 | 1231.833 | 1456.122 | 0.737 |
| 0.990 | 811.799 | 0.999 | 14.815 |
| 10/19/2016 11:30:00 AM | 567000.000 | 57.049 | 16.935 |
| 131.724 | 1231.806 | 1456.105 | 0.737 |
| 0.990 | 811.816 | 0.999 | 14.813 |
| 10/19/2016 11:45:00 AM | 567900.000 | 57.041 | 16.931 |
| 131.707 | 1231.723 | 1456.125 | 0.737 |
| 0.990 | 811.871 | 0.999 | 14.812 |
| 10/19/2016 12:00:00 PM | 568800.000 | 57.039 | 16.933 |
| 131.701 | 1231.906 | 1456.291 | 0.738 |
| 0.990 | 811.750 | 0.999 | 14.806 |
| 10/19/2016 12:15:00 PM | 569700.000 | 57.043 | 16.937 |
| 131.711 | 1231.254 | 1455.404 | 0.737 |
| 0.990 | 812.180 | 0.999 | 14.800 |
| 10/19/2016 12:30:00 PM | 570600.000 | 57.038 | 16.935 |
| 131.699 | 1231.453 | 1455.683 | 0.737 |
| 0.990 | 812.049 | 0.999 | 14.800 |
| 10/19/2016 12:45:00 PM | 571500.000 | 57.036 | 16.932 |
| 131.694 | 1231.384 | 1455.707 | 0.737 |
| 0.990 | 812.095 | 0.999 | 14.801 |
| 10/19/2016 1:00:00 PM | 572400.000 | 57.042 | 16.935 |
| 131.709 | 1231.287 | 1455.489 | 0.737 |
| 0.990 | 812.158 | 0.999 | 14.794 |
| 10/19/2016 1:15:00 PM | 573300.000 | 57.042 | 16.934 |
| 131.709 | 1231.280 | 1455.516 | 0.737 |
| 0.990 | 812.163 | 0.999 | 14.796 |
| 10/19/2016 1:30:00 PM | 574200.000 | 57.045 | 16.934 |
| 131.716 | 1231.159 | 1455.378 | 0.737 |
| 0.990 | 812.243 | 0.999 | 14.792 |
| 10/19/2016 1:45:00 PM | 575100.000 | 57.041 | 16.935 |
| 131.706 | 1230.976 | 1455.133 | 0.737 |
| 0.989 | 812.363 | 0.999 | 14.796 |
| 10/19/2016 2:00:00 PM | 576000.000 | 57.045 | 16.933 |
| 131.715 | 1230.938 | 1455.159 | 0.737 |
| 0.990 | 812.389 | 0.999 | 14.793 |
| 10/19/2016 2:15:00 PM | 576900.000 | 57.045 | 16.938 |
| 131.714 | 1231.252 | 1455.356 | 0.737 |
| 0.990 | 812.181 | 0.999 | 14.794 |
| 10/19/2016 2:30:00 PM | 577800.000 | 57.050 | 16.933 |
| 131.728 | 1231.061 | 1455.305 | 0.737 |
| 0.990 | 812.308 | 0.999 | 14.786 |
| 10/19/2016 2:45:00 PM | 578700.000 | 57.056 | 16.937 |
| 131.741 | 1231.118 | 1455.243 | 0.737 |
| 0.990 | 812.270 | 0.999 | 14.782 |
| 10/19/2016 3:00:00 PM | 579600.000 | 57.054 | 16.933 |
| 131.736 | 1231.031 | 1455.261 | 0.737 |
| 0.990 | 812.327 | 0.999 | 14.786 |
| 10/19/2016 3:15:00 PM | 580500.000 | 57.052 | 16.933 |
| 131.732 | 1231.053 | 1455.284 | 0.737 |
| 0.990 | 812.313 | 0.999 | 14.787 |
| 10/19/2016 3:30:00 PM | 581400.000 | 57.057 | 16.936 |

| | | | |
|---|---|---|---|
| 131.744 | 1231.264 | 1455.430 | 0.737 |
| 0.990 | 812.173 | 0.999 | 14.783 |
| 10/19/2016 3:45:00 PM | 582300.000 | 57.064 | 16.933 |
| 131.760 | 1231.085 | 1455.305 | 0.737 |
| 0.990 | 812.291 | 0.999 | 14.781 |
| 10/19/2016 4:00:00 PM | 583200.000 | 57.064 | 16.934 |
| 131.760 | 1231.266 | 1455.505 | 0.737 |
| 0.990 | 812.172 | 0.999 | 14.778 |
| 10/19/2016 4:15:00 PM | 584100.000 | 57.059 | 16.935 |
| 131.748 | 1230.900 | 1455.040 | 0.737 |
| 0.989 | 812.414 | 0.999 | 14.782 |
| 10/19/2016 4:30:00 PM | 585000.000 | 57.059 | 16.936 |
| 131.747 | 1231.264 | 1455.430 | 0.737 |
| 0.990 | 812.174 | 0.999 | 14.783 |
| 10/19/2016 4:45:00 PM | 585900.000 | 57.080 | 16.937 |
| 131.796 | 1231.276 | 1455.430 | 0.737 |
| 0.990 | 812.166 | 0.999 | 14.782 |
| 10/19/2016 5:00:00 PM | 586800.000 | 57.067 | 16.936 |
| 131.767 | 1231.023 | 1455.151 | 0.737 |
| 0.990 | 812.332 | 0.999 | 14.780 |
| 10/19/2016 5:15:00 PM | 587700.000 | 57.072 | 16.935 |
| 131.777 | 1231.387 | 1455.627 | 0.737 |
| 0.990 | 812.093 | 0.999 | 14.778 |
| 10/19/2016 5:30:00 PM | 588600.000 | 57.073 | 16.934 |
| 131.780 | 1231.322 | 1455.562 | 0.737 |
| 0.990 | 812.135 | 0.999 | 14.777 |
| 10/19/2016 5:45:00 PM | 589500.000 | 57.077 | 16.934 |
| 131.790 | 1232.218 | 1456.612 | 0.738 |
| 0.990 | 811.545 | 0.999 | 14.778 |
| 10/19/2016 6:00:00 PM | 590400.000 | 57.079 | 16.933 |
| 131.795 | 1232.390 | 1456.850 | 0.738 |
| 0.991 | 811.432 | 0.999 | 14.779 |
| 10/19/2016 6:15:00 PM | 591300.000 | 57.083 | 16.930 |
| 131.803 | 1231.574 | 1455.992 | 0.737 |
| 0.990 | 811.969 | 0.999 | 14.778 |
| 10/19/2016 6:30:00 PM | 592200.000 | 57.091 | 16.932 |
| 131.821 | 1232.495 | 1457.014 | 0.738 |
| 0.991 | 811.363 | 0.999 | 14.774 |
| 10/19/2016 6:45:00 PM | 593100.000 | 57.083 | 16.931 |
| 131.803 | 1232.081 | 1456.560 | 0.738 |
| 0.990 | 811.635 | 0.999 | 14.779 |
| 10/19/2016 7:00:00 PM | 594000.000 | 57.092 | 16.931 |
| 131.823 | 1232.999 | 1457.648 | 0.738 |
| 0.991 | 811.031 | 0.999 | 14.776 |
| 10/19/2016 7:15:00 PM | 594900.000 | 57.095 | 16.932 |
| 131.830 | 1233.382 | 1458.067 | 0.738 |
| 0.991 | 810.779 | 0.999 | 14.775 |
| 10/19/2016 7:30:00 PM | 595800.000 | 57.094 | 16.933 |
| 131.828 | 1233.279 | 1457.922 | 0.738 |
| 0.991 | 810.846 | 0.999 | 14.782 |
| 10/19/2016 7:45:00 PM | 596700.000 | 57.096 | 16.930 |
| 131.834 | 1234.796 | 1459.802 | 0.739 |
| 0.993 | 809.850 | 0.999 | 14.782 |
| 10/19/2016 8:00:00 PM | 597600.000 | 57.100 | 16.931 |
| 131.842 | 1235.067 | 1460.104 | 0.740 |

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|---|---|---|---|
| 0.993 | 809.673 | 0.999 | 14.783 |
| 10/19/2016 8:15:00 PM | 598500.000 | 57.097 | 16.928 |
| 131.835 | 1235.509 | 1460.732 | 0.740 |
| 0.993 | 809.383 | 0.999 | 14.787 |
| 10/19/2016 8:30:00 PM | 599400.000 | 57.103 | 16.929 |
| 131.848 | 1236.238 | 1461.538 | 0.740 |
| 0.994 | 808.906 | 0.999 | 14.785 |
| 10/19/2016 8:45:00 PM | 600300.000 | 57.110 | 16.928 |
| 131.864 | 1236.488 | 1461.866 | 0.740 |
| 0.994 | 808.742 | 0.999 | 14.781 |
| 10/19/2016 9:00:00 PM | 601200.000 | 57.102 | 16.931 |
| 131.847 | 1234.926 | 1459.935 | 0.739 |
| 0.993 | 809.765 | 0.999 | 14.786 |
| 10/19/2016 9:15:00 PM | 602100.000 | 57.109 | 16.928 |
| 131.863 | 1235.071 | 1460.207 | 0.740 |
| 0.993 | 809.670 | 0.999 | 14.787 |
| 10/19/2016 9:30:00 PM | 603000.000 | 57.104 | 16.929 |
| 131.851 | 1236.680 | 1462.078 | 0.741 |
| 0.994 | 808.617 | 0.999 | 14.792 |
| 10/19/2016 9:45:00 PM | 603900.000 | 57.106 | 16.930 |
| 131.857 | 1237.949 | 1463.517 | 0.741 |
| 0.995 | 807.788 | 0.999 | 14.792 |
| 10/19/2016 10:00:00 PM | 604800.000 | 57.112 | 16.930 |
| 131.871 | 1238.653 | 1464.367 | 0.742 |
| 0.996 | 807.329 | 0.999 | 14.790 |
| 10/19/2016 10:15:00 PM | 605700.000 | 57.109 | 16.928 |
| 131.864 | 1237.920 | 1463.556 | 0.741 |
| 0.995 | 807.806 | 0.999 | 14.794 |
| 10/19/2016 10:30:00 PM | 606600.000 | 57.115 | 16.929 |
| 131.876 | 1238.706 | 1464.468 | 0.742 |
| 0.996 | 807.294 | 0.999 | 14.790 |
| 10/19/2016 10:45:00 PM | 607500.000 | 57.117 | 16.929 |
| 131.881 | 1239.734 | 1465.691 | 0.742 |
| 0.997 | 806.625 | 0.999 | 14.786 |
| 10/19/2016 11:00:00 PM | 608400.000 | 57.115 | 16.927 |
| 131.877 | 1239.613 | 1465.589 | 0.742 |
| 0.997 | 806.703 | 0.999 | 14.794 |
| 10/19/2016 11:15:00 PM | 609300.000 | 57.118 | 16.928 |
| 131.884 | 1238.978 | 1464.833 | 0.742 |
| 0.996 | 807.117 | 0.999 | 14.793 |
| 10/19/2016 11:30:00 PM | 610200.000 | 57.122 | 16.930 |
| 131.892 | 1239.589 | 1465.480 | 0.742 |
| 0.997 | 806.719 | 0.999 | 14.792 |
| 10/19/2016 11:45:00 PM | 611100.000 | 57.129 | 16.928 |
| 131.910 | 1240.191 | 1466.252 | 0.743 |
| 0.997 | 806.327 | 0.999 | 14.790 |

Serial_number:
1071292
Project ID:
MPWSP TSW Long Term Pumping
Location:
MPWSP MW-6S
LEVEL
UNIT: ft
Offset: 0.000000 ft
Altitude: 80.000000 ft
Density: 1.000000 kg/L
TEMPERATURE
UNIT: Deg C
CONDUCTIVITY
UNIT: µS/cm

| Date | Time | ms | LEVEL | TEMPERATURE | CONDUCTIVITY |
|---|---|---|---|---|---|
| 10/13/2016 | 0:00:00 | 0 | 33.21 | 16.1 | 2055.6 |
| 10/13/2016 | 0:15:00 | 0 | 33.207 | 16.1 | 2055.6 |
| 10/13/2016 | 0:30:00 | 0 | 33.169 | 16.1 | 2055.6 |
| 10/13/2016 | 0:45:00 | 0 | 33.159 | 16.1 | 2055.6 |
| 10/13/2016 | 1:00:00 | 0 | 33.156 | 16.1 | 2055.6 |
| 10/13/2016 | 1:15:00 | 0 | 33.197 | 16.1 | 2056.8 |
| 10/13/2016 | 1:30:00 | 0 | 33.164 | 16.1 | 2055.6 |
| 10/13/2016 | 1:45:00 | 0 | 33.167 | 16.1 | 2055.6 |
| 10/13/2016 | 2:00:00 | 0 | 33.184 | 16.1 | 2055.6 |
| 10/13/2016 | 2:15:00 | 0 | 33.163 | 16.1 | 2055.6 |
| 10/13/2016 | 2:30:00 | 0 | 33.222 | 16.1 | 2055.6 |
| 10/13/2016 | 2:45:00 | 0 | 33.187 | 16.1 | 2055.6 |
| 10/13/2016 | 3:00:00 | 0 | 33.227 | 16.1 | 2055.6 |
| 10/13/2016 | 3:15:00 | 0 | 33.213 | 16.1 | 2055.6 |
| 10/13/2016 | 3:30:00 | 0 | 33.161 | 16.1 | 2055.6 |
| 10/13/2016 | 3:45:00 | 0 | 33.244 | 16.1 | 2055.6 |
| 10/13/2016 | 4:00:00 | 0 | 33.189 | 16.1 | 2055.6 |
| 10/13/2016 | 4:15:00 | 0 | 33.229 | 16.1 | 2055.6 |
| 10/13/2016 | 4:30:00 | 0 | 33.167 | 16.1 | 2055.6 |
| 10/13/2016 | 4:45:00 | 0 | 33.212 | 16.1 | 2055.6 |
| 10/13/2016 | 5:00:00 | 0 | 33.177 | 16.1 | 2055.6 |
| 10/13/2016 | 5:15:00 | 0 | 33.217 | 16.1 | 2055.6 |
| 10/13/2016 | 5:30:00 | 0 | 33.218 | 16.1 | 2055.6 |
| 10/13/2016 | 5:45:00 | 0 | 33.218 | 16.1 | 2055.6 |
| 10/13/2016 | 6:00:00 | 0 | 33.216 | 16.1 | 2055.6 |
| 10/13/2016 | 6:15:00 | 0 | 33.235 | 16.1 | 2055.6 |
| 10/13/2016 | 6:30:00 | 0 | 33.217 | 16.1 | 2055.6 |
| 10/13/2016 | 6:45:00 | 0 | 33.221 | 16.1 | 2055.6 |
| 10/13/2016 | 7:00:00 | 0 | 33.206 | 16.1 | 2055.6 |
| 10/13/2016 | 7:15:00 | 0 | 33.225 | 16.1 | 2055.6 |
| 10/13/2016 | 7:30:00 | 0 | 33.269 | 16.1 | 2055.6 |

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|---|---|---|---|---|---|
| 10/13/2016 | 7:45:00 | 0 | 33.156 | 16.1 | 2055.6 |
| 10/13/2016 | 8:00:00 | 0 | 33.198 | 16.1 | 2055.6 |
| 10/13/2016 | 8:15:00 | 0 | 33.21 | 16.1 | 2055.6 |
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| 10/13/2016 | 8:45:00 | 0 | 33.203 | 16.1 | 2055.6 |
| 10/13/2016 | 9:00:00 | 0 | 33.187 | 16.1 | 2055.6 |
| 10/13/2016 | 9:15:00 | 0 | 33.158 | 16.1 | 2056.8 |
| 10/13/2016 | 9:30:00 | 0 | 33.223 | 16.1 | 2055.6 |
| 10/13/2016 | 9:45:00 | 0 | 33.19 | 16.1 | 2055.6 |
| 10/13/2016 | 10:00:00 | 0 | 33.15 | 16.1 | 2055.6 |
| 10/13/2016 | 10:15:00 | 0 | 33.204 | 16.1 | 2055.6 |
| 10/13/2016 | 10:30:00 | 0 | 33.183 | 16.1 | 2055.6 |
| 10/13/2016 | 10:45:00 | 0 | 33.182 | 16.1 | 2055.6 |
| 10/13/2016 | 11:00:00 | 0 | 33.181 | 16.1 | 2055.6 |
| 10/13/2016 | 11:15:00 | 0 | 33.199 | 16.1 | 2055.6 |
| 10/13/2016 | 11:30:00 | 0 | 33.141 | 16.1 | 2055.6 |
| 10/13/2016 | 11:45:00 | 0 | 33.159 | 16.1 | 2055.6 |
| 10/13/2016 | 12:00:00 | 0 | 33.163 | 16.1 | 2055.6 |
| 10/13/2016 | 12:15:00 | 0 | 33.227 | 16.1 | 2055.6 |
| 10/13/2016 | 12:30:00 | 0 | 33.168 | 16.1 | 2055.6 |
| 10/13/2016 | 12:45:00 | 0 | 33.215 | 16.1 | 2055.6 |
| 10/13/2016 | 13:00:00 | 0 | 33.202 | 16.1 | 2055.6 |
| 10/13/2016 | 13:15:00 | 0 | 33.21 | 16.1 | 2055.6 |
| 10/13/2016 | 13:30:00 | 0 | 33.199 | 16.1 | 2055.6 |
| 10/13/2016 | 13:45:00 | 0 | 33.22 | 16.1 | 2055.6 |
| 10/13/2016 | 14:00:00 | 0 | 33.121 | 16.1 | 2055.6 |
| 10/13/2016 | 14:15:00 | 0 | 33.185 | 16.1 | 2055.6 |
| 10/13/2016 | 14:30:00 | 0 | 33.211 | 16.1 | 2055.6 |
| 10/13/2016 | 14:45:00 | 0 | 33.214 | 16.1 | 2055.6 |
| 10/13/2016 | 15:00:00 | 0 | 33.219 | 16.1 | 2055.6 |
| 10/13/2016 | 15:15:00 | 0 | 33.183 | 16.1 | 2055.6 |
| 10/13/2016 | 15:30:00 | 0 | 33.164 | 16.1 | 2055.6 |
| 10/13/2016 | 15:45:00 | 0 | 33.187 | 16.1 | 2055.6 |
| 10/13/2016 | 16:00:00 | 0 | 33.173 | 16.1 | 2055.6 |
| 10/13/2016 | 16:15:00 | 0 | 33.175 | 16.1 | 2055.6 |
| 10/13/2016 | 16:30:00 | 0 | 33.165 | 16.1 | 2055.6 |
| 10/13/2016 | 16:45:00 | 0 | 33.19 | 16.1 | 2055.6 |
| 10/13/2016 | 17:00:00 | 0 | 33.174 | 16.1 | 2055.6 |
| 10/13/2016 | 17:15:00 | 0 | 33.205 | 16.1 | 2055.6 |
| 10/13/2016 | 17:30:00 | 0 | 33.188 | 16.1 | 2055.6 |
| 10/13/2016 | 17:45:00 | 0 | 33.165 | 16.1 | 2055.6 |
| 10/13/2016 | 18:00:00 | 0 | 33.203 | 16.1 | 2055.6 |
| 10/13/2016 | 18:15:00 | 0 | 33.165 | 16.1 | 2055.6 |
| 10/13/2016 | 18:30:00 | 0 | 33.215 | 16.1 | 2055.6 |
| 10/13/2016 | 18:45:00 | 0 | 33.161 | 16.1 | 2055.6 |
| 10/13/2016 | 19:00:00 | 0 | 33.239 | 16.1 | 2055.6 |
| 10/13/2016 | 19:15:00 | 0 | 33.211 | 16.1 | 2055.6 |

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|---|---|---|---|---|---|
| 10/13/2016 | 19:30:00 | 0 | 33.248 | 16.1 | 2055.6 |
| 10/13/2016 | 19:45:00 | 0 | 33.211 | 16.1 | 2055.6 |
| 10/13/2016 | 20:00:00 | 0 | 33.208 | 16.1 | 2055.6 |
| 10/13/2016 | 20:15:00 | 0 | 33.166 | 16.1 | 2055.6 |
| 10/13/2016 | 20:30:00 | 0 | 33.228 | 16.1 | 2055.6 |
| 10/13/2016 | 20:45:00 | 0 | 33.126 | 16.1 | 2055.6 |
| 10/13/2016 | 21:00:00 | 0 | 33.224 | 16.1 | 2055.6 |
| 10/13/2016 | 21:15:00 | 0 | 33.185 | 16.1 | 2055.6 |
| 10/13/2016 | 21:30:00 | 0 | 33.215 | 16.1 | 2056.8 |
| 10/13/2016 | 21:45:00 | 0 | 33.194 | 16.1 | 2055.6 |
| 10/13/2016 | 22:00:00 | 0 | 33.227 | 16.1 | 2055.6 |
| 10/13/2016 | 22:15:00 | 0 | 33.17 | 16.1 | 2055.6 |
| 10/13/2016 | 22:30:00 | 0 | 33.205 | 16.1 | 2055.6 |
| 10/13/2016 | 22:45:00 | 0 | 33.229 | 16.1 | 2055.6 |
| 10/13/2016 | 23:00:00 | 0 | 33.225 | 16.1 | 2056.8 |
| 10/13/2016 | 23:15:00 | 0 | 33.127 | 16.1 | 2055.6 |
| 10/13/2016 | 23:30:00 | 0 | 33.157 | 16.1 | 2056.8 |
| 10/13/2016 | 23:45:00 | 0 | 33.217 | 16.1 | 2055.6 |
| 10/14/2016 | 0:00:00 | 0 | 33.174 | 16.1 | 2055.6 |
| 10/14/2016 | 0:15:00 | 0 | 33.163 | 16.1 | 2055.6 |
| 10/14/2016 | 0:30:00 | 0 | 33.226 | 16.1 | 2055.6 |
| 10/14/2016 | 0:45:00 | 0 | 33.169 | 16.1 | 2055.6 |
| 10/14/2016 | 1:00:00 | 0 | 33.175 | 16.1 | 2055.6 |
| 10/14/2016 | 1:15:00 | 0 | 33.159 | 16.1 | 2055.6 |
| 10/14/2016 | 1:30:00 | 0 | 33.184 | 16.1 | 2055.6 |
| 10/14/2016 | 1:45:00 | 0 | 33.222 | 16.1 | 2055.6 |
| 10/14/2016 | 2:00:00 | 0 | 33.2 | 16.1 | 2055.6 |
| 10/14/2016 | 2:15:00 | 0 | 33.177 | 16.1 | 2056.8 |
| 10/14/2016 | 2:30:00 | 0 | 33.196 | 16.1 | 2055.6 |
| 10/14/2016 | 2:45:00 | 0 | 33.198 | 16.1 | 2055.6 |
| 10/14/2016 | 3:00:00 | 0 | 33.159 | 16.1 | 2055.6 |
| 10/14/2016 | 3:15:00 | 0 | 33.156 | 16.1 | 2055.6 |
| 10/14/2016 | 3:30:00 | 0 | 33.231 | 16.1 | 2055.6 |
| 10/14/2016 | 3:45:00 | 0 | 33.174 | 16.1 | 2055.6 |
| 10/14/2016 | 4:00:00 | 0 | 33.214 | 16.1 | 2055.6 |
| 10/14/2016 | 4:15:00 | 0 | 33.193 | 16.1 | 2055.6 |
| 10/14/2016 | 4:30:00 | 0 | 33.179 | 16.1 | 2055.6 |
| 10/14/2016 | 4:45:00 | 0 | 33.225 | 16.1 | 2055.6 |
| 10/14/2016 | 5:00:00 | 0 | 33.249 | 16.1 | 2055.6 |
| 10/14/2016 | 5:15:00 | 0 | 33.213 | 16.1 | 2055.6 |
| 10/14/2016 | 5:30:00 | 0 | 33.19 | 16.1 | 2055.6 |
| 10/14/2016 | 5:45:00 | 0 | 33.192 | 16.1 | 2055.6 |
| 10/14/2016 | 6:00:00 | 0 | 33.135 | 16.1 | 2055.6 |
| 10/14/2016 | 6:15:00 | 0 | 33.171 | 16.1 | 2055.6 |
| 10/14/2016 | 6:30:00 | 0 | 33.171 | 16.1 | 2055.6 |
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| 10/14/2016 | 7:00:00 | 0 | 33.156 | 16.1 | 2055.6 |

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|---|---|---|---|---|---|
| 10/14/2016 | 7:15:00 | 0 | 33.232 | 16.1 | 2055.6 |
| 10/14/2016 | 7:30:00 | 0 | 33.171 | 16.1 | 2055.6 |
| 10/14/2016 | 7:45:00 | 0 | 33.169 | 16.1 | 2055.6 |
| 10/14/2016 | 8:00:00 | 0 | 33.183 | 16.1 | 2055.6 |
| 10/14/2016 | 8:15:00 | 0 | 33.175 | 16.1 | 2055.6 |
| 10/14/2016 | 8:30:00 | 0 | 33.138 | 16.1 | 2055.6 |
| 10/14/2016 | 8:45:00 | 0 | 33.109 | 16.1 | 2055.6 |
| 10/14/2016 | 9:00:00 | 0 | 33.163 | 16.1 | 2055.6 |
| 10/14/2016 | 9:15:00 | 0 | 33.121 | 16.1 | 2055.6 |
| 10/14/2016 | 9:30:00 | 0 | 33.136 | 16.1 | 2055.6 |
| 10/14/2016 | 9:45:00 | 0 | 33.157 | 16.1 | 2055.6 |
| 10/14/2016 | 10:00:00 | 0 | 33.201 | 16.1 | 2055.6 |
| 10/14/2016 | 10:15:00 | 0 | 33.223 | 16.1 | 2055.6 |
| 10/14/2016 | 10:30:00 | 0 | 33.206 | 16.1 | 2055.6 |
| 10/14/2016 | 10:45:00 | 0 | 33.203 | 16.1 | 2055.6 |
| 10/14/2016 | 11:00:00 | 0 | 33.227 | 16.1 | 2055.6 |
| 10/14/2016 | 11:15:00 | 0 | 33.214 | 16.1 | 2055.6 |
| 10/14/2016 | 11:30:00 | 0 | 33.215 | 16.1 | 2055.6 |
| 10/14/2016 | 11:45:00 | 0 | 33.202 | 16.1 | 2055.6 |
| 10/14/2016 | 12:00:00 | 0 | 33.246 | 16.1 | 2055.6 |
| 10/14/2016 | 12:15:00 | 0 | 33.132 | 16.1 | 2055.6 |
| 10/14/2016 | 12:30:00 | 0 | 33.15 | 16.1 | 2055.6 |
| 10/14/2016 | 12:45:00 | 0 | 33.153 | 16.1 | 2055.6 |
| 10/14/2016 | 13:00:00 | 0 | 33.22 | 16.1 | 2055.6 |
| 10/14/2016 | 13:15:00 | 0 | 33.168 | 16.1 | 2055.6 |
| 10/14/2016 | 13:30:00 | 0 | 33.192 | 16.1 | 2055.6 |
| 10/14/2016 | 13:45:00 | 0 | 33.241 | 16.1 | 2055.6 |
| 10/14/2016 | 14:00:00 | 0 | 33.23 | 16.1 | 2055.6 |
| 10/14/2016 | 14:15:00 | 0 | 33.192 | 16.1 | 2055.6 |
| 10/14/2016 | 14:30:00 | 0 | 33.197 | 16.1 | 2055.6 |
| 10/14/2016 | 14:45:00 | 0 | 33.198 | 16.1 | 2055.6 |
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| 10/17/2016 | 10:30:00 | 0 | 33.162 | 16.1 | 2056.8 |
| 10/17/2016 | 10:45:00 | 0 | 33.2 | 16.1 | 2055.6 |
| 10/17/2016 | 11:00:00 | 0 | 33.143 | 16.1 | 2056.8 |
| 10/17/2016 | 11:15:00 | 0 | 33.2 | 16.1 | 2056.8 |
| 10/17/2016 | 11:30:00 | 0 | 33.186 | 16.1 | 2055.6 |
| 10/17/2016 | 11:45:00 | 0 | 33.17 | 16.1 | 2056.8 |
| 10/17/2016 | 12:00:00 | 0 | 33.168 | 16.1 | 2055.6 |
| 10/17/2016 | 12:15:00 | 0 | 33.17 | 16.1 | 2055.6 |
| 10/17/2016 | 12:30:00 | 0 | 33.166 | 16.1 | 2055.6 |
| 10/17/2016 | 12:45:00 | 0 | 33.188 | 16.1 | 2056.8 |
| 10/17/2016 | 13:00:00 | 0 | 33.211 | 16.1 | 2056.8 |
| 10/17/2016 | 13:15:00 | 0 | 33.158 | 16.1 | 2056.8 |
| 10/17/2016 | 13:30:00 | 0 | 33.223 | 16.1 | 2056.8 |
| 10/17/2016 | 13:45:00 | 0 | 33.187 | 16.1 | 2056.8 |
| 10/17/2016 | 14:00:00 | 0 | 33.19 | 16.1 | 2056.8 |
| 10/17/2016 | 14:15:00 | 0 | 33.193 | 16.1 | 2055.6 |
| 10/17/2016 | 14:30:00 | 0 | 33.192 | 16.1 | 2055.6 |
| 10/17/2016 | 14:45:00 | 0 | 33.176 | 16.1 | 2056.8 |
| 10/17/2016 | 15:00:00 | 0 | 33.181 | 16.1 | 2056.8 |
| 10/17/2016 | 15:15:00 | 0 | 33.159 | 16.1 | 2056.8 |
| 10/17/2016 | 15:30:00 | 0 | 33.137 | 16.1 | 2056.8 |
| 10/17/2016 | 15:45:00 | 0 | 33.157 | 16.1 | 2056.8 |
| 10/17/2016 | 16:00:00 | 0 | 33.215 | 16.1 | 2056.8 |
| 10/17/2016 | 16:15:00 | 0 | 33.196 | 16.1 | 2056.8 |
| 10/17/2016 | 16:30:00 | 0 | 33.179 | 16.1 | 2056.8 |
| 10/17/2016 | 16:45:00 | 0 | 33.2 | 16.1 | 2056.8 |
| 10/17/2016 | 17:00:00 | 0 | 33.16 | 16.1 | 2056.8 |
| 10/17/2016 | 17:15:00 | 0 | 33.183 | 16.1 | 2056.8 |

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| 10/17/2016 | 17:30:00 | 0 | 33.206 | 16.1 | 2056.8 |
| 10/17/2016 | 17:45:00 | 0 | 33.129 | 16.1 | 2056.8 |
| 10/17/2016 | 18:00:00 | 0 | 33.202 | 16.1 | 2056.8 |
| 10/17/2016 | 18:15:00 | 0 | 33.185 | 16.1 | 2055.6 |
| 10/17/2016 | 18:30:00 | 0 | 33.146 | 16.1 | 2056.8 |
| 10/17/2016 | 18:45:00 | 0 | 33.145 | 16.1 | 2056.8 |
| 10/17/2016 | 19:00:00 | 0 | 33.184 | 16.1 | 2056.8 |
| 10/17/2016 | 19:15:00 | 0 | 33.219 | 16.1 | 2055.6 |
| 10/17/2016 | 19:30:00 | 0 | 33.173 | 16.1 | 2056.8 |
| 10/17/2016 | 19:45:00 | 0 | 33.127 | 16.1 | 2056.8 |
| 10/17/2016 | 20:00:00 | 0 | 33.221 | 16.1 | 2056.8 |
| 10/17/2016 | 20:15:00 | 0 | 33.161 | 16.1 | 2056.8 |
| 10/17/2016 | 20:30:00 | 0 | 33.178 | 16.1 | 2056.8 |
| 10/17/2016 | 20:45:00 | 0 | 33.212 | 16.1 | 2056.8 |
| 10/17/2016 | 21:00:00 | 0 | 33.149 | 16.1 | 2056.8 |
| 10/17/2016 | 21:15:00 | 0 | 33.187 | 16.1 | 2056.8 |
| 10/17/2016 | 21:30:00 | 0 | 33.13 | 16.1 | 2056.8 |
| 10/17/2016 | 21:45:00 | 0 | 33.19 | 16.1 | 2056.8 |
| 10/17/2016 | 22:00:00 | 0 | 33.182 | 16.1 | 2056.8 |
| 10/17/2016 | 22:15:00 | 0 | 33.179 | 16.1 | 2055.6 |
| 10/17/2016 | 22:30:00 | 0 | 33.196 | 16.1 | 2056.8 |
| 10/17/2016 | 22:45:00 | 0 | 33.233 | 16.1 | 2056.8 |
| 10/17/2016 | 23:00:00 | 0 | 33.148 | 16.1 | 2055.6 |
| 10/17/2016 | 23:15:00 | 0 | 33.161 | 16.1 | 2055.6 |
| 10/17/2016 | 23:30:00 | 0 | 33.18 | 16.1 | 2056.8 |
| 10/17/2016 | 23:45:00 | 0 | 33.196 | 16.1 | 2056.8 |
| 10/18/2016 | 0:00:00 | 0 | 33.194 | 16.1 | 2055.6 |
| 10/18/2016 | 0:15:00 | 0 | 33.19 | 16.1 | 2055.6 |
| 10/18/2016 | 0:30:00 | 0 | 33.188 | 16.1 | 2056.8 |
| 10/18/2016 | 0:45:00 | 0 | 33.146 | 16.1 | 2056.8 |
| 10/18/2016 | 1:00:00 | 0 | 33.16 | 16.1 | 2056.8 |
| 10/18/2016 | 1:15:00 | 0 | 33.195 | 16.1 | 2055.6 |
| 10/18/2016 | 1:30:00 | 0 | 33.157 | 16.1 | 2055.6 |
| 10/18/2016 | 1:45:00 | 0 | 33.194 | 16.1 | 2056.8 |
| 10/18/2016 | 2:00:00 | 0 | 33.198 | 16.1 | 2056.8 |
| 10/18/2016 | 2:15:00 | 0 | 33.193 | 16.1 | 2056.8 |
| 10/18/2016 | 2:30:00 | 0 | 33.132 | 16.1 | 2056.8 |
| 10/18/2016 | 2:45:00 | 0 | 33.228 | 16.1 | 2056.8 |
| 10/18/2016 | 3:00:00 | 0 | 33.229 | 16.1 | 2056.8 |
| 10/18/2016 | 3:15:00 | 0 | 33.196 | 16.1 | 2055.6 |
| 10/18/2016 | 3:30:00 | 0 | 33.197 | 16.1 | 2056.8 |
| 10/18/2016 | 3:45:00 | 0 | 33.18 | 16.1 | 2056.8 |
| 10/18/2016 | 4:00:00 | 0 | 33.178 | 16.1 | 2056.8 |
| 10/18/2016 | 4:15:00 | 0 | 33.177 | 16.1 | 2056.8 |
| 10/18/2016 | 4:30:00 | 0 | 33.178 | 16.1 | 2056.8 |
| 10/18/2016 | 4:45:00 | 0 | 33.16 | 16.1 | 2056.8 |
| 10/18/2016 | 5:00:00 | 0 | 33.197 | 16.1 | 2056.8 |

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|---|---|---|---|---|---|
| 10/18/2016 | 5:15:00 | 0 | 33.195 | 16.1 | 2055.6 |
| 10/18/2016 | 5:30:00 | 0 | 33.192 | 16.1 | 2056.8 |
| 10/18/2016 | 5:45:00 | 0 | 33.187 | 16.1 | 2056.8 |
| 10/18/2016 | 6:00:00 | 0 | 33.197 | 16.1 | 2056.8 |
| 10/18/2016 | 6:15:00 | 0 | 33.148 | 16.1 | 2056.8 |
| 10/18/2016 | 6:30:00 | 0 | 33.166 | 16.1 | 2056.8 |
| 10/18/2016 | 6:45:00 | 0 | 33.199 | 16.1 | 2056.8 |
| 10/18/2016 | 7:00:00 | 0 | 33.16 | 16.1 | 2056.8 |
| 10/18/2016 | 7:15:00 | 0 | 33.209 | 16.1 | 2056.8 |
| 10/18/2016 | 7:30:00 | 0 | 33.167 | 16.1 | 2056.8 |
| 10/18/2016 | 7:45:00 | 0 | 33.182 | 16.1 | 2056.8 |
| 10/18/2016 | 8:00:00 | 0 | 33.177 | 16.1 | 2055.6 |
| 10/18/2016 | 8:15:00 | 0 | 33.17 | 16.1 | 2056.8 |
| 10/18/2016 | 8:30:00 | 0 | 33.164 | 16.1 | 2056.8 |
| 10/18/2016 | 8:45:00 | 0 | 33.163 | 16.1 | 2056.8 |
| 10/18/2016 | 9:00:00 | 0 | 33.164 | 16.1 | 2056.8 |
| 10/18/2016 | 9:15:00 | 0 | 33.134 | 16.1 | 2056.8 |
| 10/18/2016 | 9:30:00 | 0 | 33.23 | 16.1 | 2056.8 |
| 10/18/2016 | 9:45:00 | 0 | 33.164 | 16.1 | 2056.8 |
| 10/18/2016 | 10:00:00 | 0 | 33.198 | 16.1 | 2056.8 |
| 10/18/2016 | 10:15:00 | 0 | 33.158 | 16.1 | 2056.8 |
| 10/18/2016 | 10:30:00 | 0 | 33.204 | 16.1 | 2056.8 |
| 10/18/2016 | 10:45:00 | 0 | 33.198 | 16.1 | 2056.8 |
| 10/18/2016 | 11:00:00 | 0 | 33.186 | 16.1 | 2055.6 |
| 10/18/2016 | 11:15:00 | 0 | 33.172 | 16.1 | 2056.8 |
| 10/18/2016 | 11:30:00 | 0 | 33.169 | 16.1 | 2056.8 |
| 10/18/2016 | 11:45:00 | 0 | 33.211 | 16.1 | 2056.8 |
| 10/18/2016 | 12:00:00 | 0 | 33.233 | 16.1 | 2056.8 |
| 10/18/2016 | 12:15:00 | 0 | 33.216 | 16.1 | 2056.8 |
| 10/18/2016 | 12:30:00 | 0 | 33.215 | 16.1 | 2056.8 |
| 10/18/2016 | 12:45:00 | 0 | 33.133 | 16.1 | 2056.8 |
| 10/18/2016 | 13:00:00 | 0 | 33.157 | 16.1 | 2056.8 |
| 10/18/2016 | 13:15:00 | 0 | 33.205 | 16.1 | 2056.8 |
| 10/18/2016 | 13:30:00 | 0 | 33.218 | 16.1 | 2056.8 |
| 10/18/2016 | 13:45:00 | 0 | 33.241 | 16.1 | 2056.8 |
| 10/18/2016 | 14:00:00 | 0 | 33.17 | 16.1 | 2056.8 |
| 10/18/2016 | 14:15:00 | 0 | 33.217 | 16.1 | 2056.8 |
| 10/18/2016 | 14:30:00 | 0 | 33.182 | 16.1 | 2056.8 |
| 10/18/2016 | 14:45:00 | 0 | 33.195 | 16.1 | 2056.8 |
| 10/18/2016 | 15:00:00 | 0 | 33.217 | 16.1 | 2056.8 |
| 10/18/2016 | 15:15:00 | 0 | 33.164 | 16.1 | 2056.8 |
| 10/18/2016 | 15:30:00 | 0 | 33.177 | 16.1 | 2056.8 |
| 10/18/2016 | 15:45:00 | 0 | 33.164 | 16.1 | 2056.8 |
| 10/18/2016 | 16:00:00 | 0 | 33.232 | 16.1 | 2056.8 |
| 10/18/2016 | 16:15:00 | 0 | 33.196 | 16.1 | 2056.8 |
| 10/18/2016 | 16:30:00 | 0 | 33.172 | 16.1 | 2056.8 |
| 10/18/2016 | 16:45:00 | 0 | 33.233 | 16.1 | 2056.8 |

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|---|---|---|---|---|---|
| 10/18/2016 | 17:00:00 | 0 | 33.155 | 16.1 | 2056.8 |
| 10/18/2016 | 17:15:00 | 0 | 33.215 | 16.1 | 2056.8 |
| 10/18/2016 | 17:30:00 | 0 | 33.191 | 16.1 | 2056.8 |
| 10/18/2016 | 17:45:00 | 0 | 33.209 | 16.1 | 2056.8 |
| 10/18/2016 | 18:00:00 | 0 | 33.129 | 16.1 | 2056.8 |
| 10/18/2016 | 18:15:00 | 0 | 33.189 | 16.1 | 2056.8 |
| 10/18/2016 | 18:30:00 | 0 | 33.15 | 16.1 | 2056.8 |
| 10/18/2016 | 18:45:00 | 0 | 33.181 | 16.1 | 2056.8 |
| 10/18/2016 | 19:00:00 | 0 | 33.176 | 16.1 | 2056.8 |
| 10/18/2016 | 19:15:00 | 0 | 33.214 | 16.1 | 2056.8 |
| 10/18/2016 | 19:30:00 | 0 | 33.169 | 16.1 | 2056.8 |
| 10/18/2016 | 19:45:00 | 0 | 33.201 | 16.1 | 2056.8 |
| 10/18/2016 | 20:00:00 | 0 | 33.171 | 16.1 | 2056.8 |
| 10/18/2016 | 20:15:00 | 0 | 33.15 | 16.1 | 2056.8 |
| 10/18/2016 | 20:30:00 | 0 | 33.142 | 16.1 | 2056.8 |
| 10/18/2016 | 20:45:00 | 0 | 33.204 | 16.1 | 2056.8 |
| 10/18/2016 | 21:00:00 | 0 | 33.181 | 16.1 | 2056.8 |
| 10/18/2016 | 21:15:00 | 0 | 33.177 | 16.1 | 2056.8 |
| 10/18/2016 | 21:30:00 | 0 | 33.191 | 16.1 | 2056.8 |
| 10/18/2016 | 21:45:00 | 0 | 33.167 | 16.1 | 2056.8 |
| 10/18/2016 | 22:00:00 | 0 | 33.186 | 16.1 | 2056.8 |
| 10/18/2016 | 22:15:00 | 0 | 33.106 | 16.1 | 2056.8 |
| 10/18/2016 | 22:30:00 | 0 | 33.15 | 16.1 | 2056.8 |
| 10/18/2016 | 22:45:00 | 0 | 33.229 | 16.1 | 2056.8 |
| 10/18/2016 | 23:00:00 | 0 | 33.208 | 16.1 | 2056.8 |
| 10/18/2016 | 23:15:00 | 0 | 33.161 | 16.1 | 2056.8 |
| 10/18/2016 | 23:30:00 | 0 | 33.181 | 16.1 | 2056.8 |
| 10/18/2016 | 23:45:00 | 0 | 33.16 | 16.1 | 2056.8 |
| 10/19/2016 | 0:00:00 | 0 | 33.18 | 16.1 | 2056.8 |
| 10/19/2016 | 0:15:00 | 0 | 33.141 | 16.1 | 2056.8 |
| 10/19/2016 | 0:30:00 | 0 | 33.165 | 16.1 | 2056.8 |
| 10/19/2016 | 0:45:00 | 0 | 33.148 | 16.1 | 2056.8 |
| 10/19/2016 | 1:00:00 | 0 | 33.16 | 16.1 | 2056.8 |
| 10/19/2016 | 1:15:00 | 0 | 33.201 | 16.1 | 2056.8 |
| 10/19/2016 | 1:30:00 | 0 | 33.203 | 16.1 | 2056.8 |
| 10/19/2016 | 1:45:00 | 0 | 33.178 | 16.1 | 2056.8 |
| 10/19/2016 | 2:00:00 | 0 | 33.179 | 16.1 | 2056.8 |
| 10/19/2016 | 2:15:00 | 0 | 33.176 | 16.1 | 2056.8 |
| 10/19/2016 | 2:30:00 | 0 | 33.208 | 16.1 | 2056.8 |
| 10/19/2016 | 2:45:00 | 0 | 33.148 | 16.1 | 2056.8 |
| 10/19/2016 | 3:00:00 | 0 | 33.267 | 16.1 | 2056.8 |
| 10/19/2016 | 3:15:00 | 0 | 33.213 | 16.1 | 2056.8 |
| 10/19/2016 | 3:30:00 | 0 | 33.197 | 16.1 | 2056.8 |
| 10/19/2016 | 3:45:00 | 0 | 33.218 | 16.1 | 2056.8 |
| 10/19/2016 | 4:00:00 | 0 | 33.164 | 16.1 | 2056.8 |
| 10/19/2016 | 4:15:00 | 0 | 33.225 | 16.1 | 2056.8 |
| 10/19/2016 | 4:30:00 | 0 | 33.189 | 16.1 | 2056.8 |

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| 10/19/2016 | 4:45:00 | 0 | 33.229 | 16.1 | 2056.8 |
| 10/19/2016 | 5:00:00 | 0 | 33.224 | 16.1 | 2056.8 |
| 10/19/2016 | 5:15:00 | 0 | 33.223 | 16.1 | 2056.8 |
| 10/19/2016 | 5:30:00 | 0 | 33.166 | 16.1 | 2056.8 |
| 10/19/2016 | 5:45:00 | 0 | 33.185 | 16.1 | 2056.8 |
| 10/19/2016 | 6:00:00 | 0 | 33.206 | 16.1 | 2056.8 |
| 10/19/2016 | 6:15:00 | 0 | 33.205 | 16.1 | 2056.8 |
| 10/19/2016 | 6:30:00 | 0 | 33.204 | 16.1 | 2056.8 |
| 10/19/2016 | 6:45:00 | 0 | 33.161 | 16.1 | 2056.8 |
| 10/19/2016 | 7:00:00 | 0 | 33.22 | 16.1 | 2056.8 |
| 10/19/2016 | 7:15:00 | 0 | 33.196 | 16.1 | 2056.8 |
| 10/19/2016 | 7:30:00 | 0 | 33.233 | 16.1 | 2056.8 |
| 10/19/2016 | 7:45:00 | 0 | 33.171 | 16.1 | 2056.8 |
| 10/19/2016 | 8:00:00 | 0 | 33.192 | 16.1 | 2056.8 |
| 10/19/2016 | 8:15:00 | 0 | 33.208 | 16.1 | 2056.8 |
| 10/19/2016 | 8:30:00 | 0 | 33.139 | 16.1 | 2056.8 |
| 10/19/2016 | 8:45:00 | 0 | 33.193 | 16.1 | 2056.8 |
| 10/19/2016 | 9:00:00 | 0 | 33.233 | 16.1 | 2056.8 |
| 10/19/2016 | 9:15:00 | 0 | 33.228 | 16.1 | 2056.8 |
| 10/19/2016 | 9:30:00 | 0 | 33.145 | 16.1 | 2056.8 |
| 10/19/2016 | 9:45:00 | 0 | 33.165 | 16.1 | 2056.8 |
| 10/19/2016 | 10:00:00 | 0 | 33.224 | 16.1 | 2056.8 |
| 10/19/2016 | 10:15:00 | 0 | 33.209 | 16.1 | 2056.8 |
| 10/19/2016 | 10:30:00 | 0 | 33.154 | 16.1 | 2056.8 |
| 10/19/2016 | 10:45:00 | 0 | 33.177 | 16.1 | 2056.8 |
| 10/19/2016 | 11:00:00 | 0 | 33.199 | 16.1 | 2056.8 |
| 10/19/2016 | 11:15:00 | 0 | 33.184 | 16.1 | 2056.8 |
| 10/19/2016 | 11:30:00 | 0 | 33.169 | 16.1 | 2056.8 |
| 10/19/2016 | 11:45:00 | 0 | 33.217 | 16.1 | 2056.8 |
| 10/19/2016 | 12:00:00 | 0 | 33.241 | 16.1 | 2056.8 |
| 10/19/2016 | 12:15:00 | 0 | 33.211 | 16.1 | 2056.8 |
| 10/19/2016 | 12:30:00 | 0 | 33.196 | 16.1 | 2056.8 |
| 10/19/2016 | 12:45:00 | 0 | 33.201 | 16.1 | 2056.8 |
| 10/19/2016 | 13:00:00 | 0 | 33.229 | 16.1 | 2056.8 |
| 10/19/2016 | 13:15:00 | 0 | 33.194 | 16.1 | 2056.8 |
| 10/19/2016 | 13:30:00 | 0 | 33.176 | 16.1 | 2056.8 |
| 10/19/2016 | 13:45:00 | 0 | 33.175 | 16.1 | 2056.8 |
| 10/19/2016 | 14:00:00 | 0 | 33.235 | 16.1 | 2056.8 |
| 10/19/2016 | 14:15:00 | 0 | 33.205 | 16.1 | 2056.8 |
| 10/19/2016 | 14:30:00 | 0 | 33.151 | 16.1 | 2056.8 |
| 10/19/2016 | 14:45:00 | 0 | 33.169 | 16.1 | 2056.8 |
| 10/19/2016 | 15:00:00 | 0 | 33.211 | 16.1 | 2056.8 |
| 10/19/2016 | 15:15:00 | 0 | 33.208 | 16.1 | 2056.8 |
| 10/19/2016 | 15:30:00 | 0 | 33.134 | 16.1 | 2056.8 |
| 10/19/2016 | 15:45:00 | 0 | 33.195 | 16.1 | 2056.8 |
| 10/19/2016 | 16:00:00 | 0 | 33.197 | 16.1 | 2056.8 |
| 10/19/2016 | 16:15:00 | 0 | 33.216 | 16.1 | 2056.8 |

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|---|---|---|---|---|---|
| 10/19/2016 | 16:30:00 | 0 | 33.2 | 16.1 | 2056.8 |
| 10/19/2016 | 16:45:00 | 0 | 33.159 | 16.1 | 2056.8 |
| 10/19/2016 | 17:00:00 | 0 | 33.161 | 16.1 | 2056.8 |
| 10/19/2016 | 17:15:00 | 0 | 33.205 | 16.1 | 2056.8 |
| 10/19/2016 | 17:30:00 | 0 | 33.166 | 16.1 | 2056.8 |
| 10/19/2016 | 17:45:00 | 0 | 33.208 | 16.1 | 2056.8 |
| 10/19/2016 | 18:00:00 | 0 | 33.169 | 16.1 | 2056.8 |
| 10/19/2016 | 18:15:00 | 0 | 33.206 | 16.1 | 2056.8 |
| 10/19/2016 | 18:30:00 | 0 | 33.206 | 16.1 | 2056.8 |
| 10/19/2016 | 18:45:00 | 0 | 33.212 | 16.1 | 2056.8 |
| 10/19/2016 | 19:00:00 | 0 | 33.187 | 16.1 | 2056.8 |
| 10/19/2016 | 19:15:00 | 0 | 33.146 | 16.1 | 2056.8 |
| 10/19/2016 | 19:30:00 | 0 | 33.159 | 16.1 | 2056.8 |
| 10/19/2016 | 19:45:00 | 0 | 33.176 | 16.1 | 2056.8 |
| 10/19/2016 | 20:00:00 | 0 | 33.195 | 16.1 | 2056.8 |
| 10/19/2016 | 20:15:00 | 0 | 33.135 | 16.1 | 2056.8 |
| 10/19/2016 | 20:30:00 | 0 | 33.231 | 16.1 | 2056.8 |
| 10/19/2016 | 20:45:00 | 0 | 33.19 | 16.1 | 2056.8 |
| 10/19/2016 | 21:00:00 | 0 | 33.207 | 16.1 | 2056.8 |
| 10/19/2016 | 21:15:00 | 0 | 33.204 | 16.1 | 2056.8 |
| 10/19/2016 | 21:30:00 | 0 | 33.124 | 16.1 | 2056.8 |
| 10/19/2016 | 21:45:00 | 0 | 33.221 | 16.1 | 2056.8 |
| 10/19/2016 | 22:00:00 | 0 | 33.18 | 16.1 | 2056.8 |
| 10/19/2016 | 22:15:00 | 0 | 33.176 | 16.1 | 2056.8 |
| 10/19/2016 | 22:30:00 | 0 | 33.16 | 16.1 | 2056.8 |
| 10/19/2016 | 22:45:00 | 0 | 33.16 | 16.1 | 2056.8 |
| 10/19/2016 | 23:00:00 | 0 | 33.182 | 16.1 | 2056.8 |
| 10/19/2016 | 23:15:00 | 0 | 33.163 | 16.1 | 2056.8 |
| 10/19/2016 | 23:30:00 | 0 | 33.18 | 16.1 | 2056.8 |
| 10/19/2016 | 23:45:00 | 0 | 33.154 | 16.1 | 2056.8 |

Report Date: 10/21/2016 8:25:52 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-7D LT Test_2016-10-20_15-04-22-309-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-7D
Device Name:
Serial Number: 441205
Firmware Version: 2.01
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 0

Log Configuration
Log Name: MPWSP MW-7D LT Test
Created By: CShaw
Computer Name: PROBOOK3
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 3/2/2016 4:37:54 PM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: 3/2/2016 5:15:00 PM Pacific Standard Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.012

Other Log Settings
Depth of Probe: 33.6308 (ft)
Head Pressure: 14.7548 (PSI)
Temperature: 16.8378 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

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Log Notes:

| Date and Time | Note |
|---|---|
| 3/2/2016 4:38:03 PM | Used Battery: 0% Used Memory: 1% User Name: CShaw |
| 3/2/2016 4:41:45 PM | Sensor SN: 441205 Cache Timeout: 1000 User Name: CShaw |
| 3/2/2016 4:46:33 PM | Device Taken Offline |
| 3/2/2016 4:47:43 PM | Conductivity calibration.<br>Sensor SN: 441205<br>Cell Constant: 1.00383 Cell Offset: 0<br>Reference Temperature: 25 Temperature Coefficient: 0.0191 User Name: CShaw |
| 3/2/2016 4:55:15 PM | Device Put Online |
| 3/2/2016 4:55:16 PM | Sensor SN: 441205 Cache Timeout: 1750 User Name: CShaw |
| 3/2/2016 5:20:15 PM | Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw Interval - Start Time: 3/2/2016 4:15:00 PM Stop Time: 3/2/2016 5:15:00 PM |
| 3/2/2016 5:22:21 PM | Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw Interval - Start Time: 3/2/2016 5:15:00 PM Stop Time: 3/2/2016 6:15:00 PM |
| 3/3/2016 11:51:10 AM | Log Download - Used Battery: 0% Used Memory: 1% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 12:45:00 PM |
| 3/10/2016 7:39:34 AM | Log Download - Used Battery: 1% Used Memory: 1% User Name: KMakar |
| 3/17/2016 1:42:42 PM | Log Download - Used Battery: 1% Used Memory: 3% User Name: SKuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 2:30:00 PM |
| 3/24/2016 9:43:49 AM | Log Download - Used Battery: 2% Used Memory: 3% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 9:45:00 AM |
| 3/31/2016 11:40:58 AM | Log Download - Used Battery: 2% Used Memory: 4% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 12:30:00 PM |
| 4/7/2016 10:42:35 AM | Log Download - Used Battery: 2% Used Memory: 4% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 10:45:00 AM |
| 4/14/2016 8:52:02 AM | Log Download - Used Battery: 3% Used Memory: 6% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 8:45:00 AM |
| 4/21/2016 9:43:29 AM | Log Download - Used Battery: 3% Used Memory: 6% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 10:30:00 AM |
| 4/28/2016 10:15:04 AM | Log Download - Used Battery: 4% Used Memory: 7% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 10:15:00 AM |
| 5/5/2016 8:24:15 AM | Log Download - Used Battery: 4% Used Memory: 7% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 9:15:00 AM |
| 5/12/2016 8:54:58 AM | Log Download - Used Battery: 4% Used Memory: 9% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 9:15:00 AM |
| 5/19/2016 11:58:24 AM | Log Download - Used Battery: 5% Used Memory: 10% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 12:45:00 PM |
| 5/26/2016 8:29:21 AM | Log Download - Used Battery: 5% Used Memory: 10% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 AM Stop Time: 5/26/2016 9:15:00 AM |
| 6/2/2016 10:31:21 AM | Log Download - Used Battery: 5% Used Memory: 12% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 10:30:00 AM |
| 6/9/2016 8:42:54 AM | Log Download - Used Battery: 6% Used Memory: 12% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 9:30:00 AM |
| 6/16/2016 10:04:00 AM | Log Download - Used Battery: 6% Used Memory: 14% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 10:00:00 AM |
| 6/23/2016 9:23:38 AM | Log Download - Used Battery: 6% Used Memory: 14% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 10:15:00 AM |
| 7/1/2016 10:43:17 AM | Log Download - Used Battery: 7% Used Memory: 15% User Name: SKuiper Interval - Start |

Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 11:15:00 AM
7/8/2016 11:06:16 AM Log Download - Used Battery: 7% Used Memory: 15% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 11:00:00 AM
7/14/2016 4:05:51 PM Log Download - Used Battery: 8% Used Memory: 17% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 5:00:00 PM
7/21/2016 4:36:32 PM Log Download - Used Battery: 8% Used Memory: 17% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 4:30:00 PM
7/28/2016 5:24:58 PM Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 6:15:00 PM
8/4/2016 8:30:49 AM Log Download - Used Battery: 9% Used Memory: 18% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 9:00:00 PM
8/11/2016 11:13:54 AM Log Download - Used Battery: 9% Used Memory: 20% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 12:00:00 PM
8/18/2016 2:35:47 PM Log Download - Used Battery: 9% Used Memory: 20% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 3:30:00 PM
8/25/2016 1:14:03 PM Log Download - Used Battery: 10% Used Memory: 21% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 2:00:00 PM
9/1/2016 9:47:35 AM Log Download - Used Battery: 10% Used Memory: 21% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 9:45:00 AM
9/8/2016 5:38:52 PM Log Download - Used Battery: 10% Used Memory: 23% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 5:45:00 PM
9/15/2016 1:09:51 PM Log Download - Used Battery: 11% Used Memory: 23% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 1:45:00 PM
9/22/2016 10:58:41 AM Log Download - Used Battery: 11% Used Memory: 25% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 11:45:00 AM
10/1/2016 9:57:51 AM Log Download - Used Battery: 12% Used Memory: 26% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 10:45:00 AM
10/7/2016 4:10:25 PM Log Download - Used Battery: 12% Used Memory: 26% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 4:45:00 PM
10/13/2016 3:34:22 PM Log Download - Used Battery: 12% Used Memory: 26% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 4:15:00 PM
10/20/2016 3:02:32 PM Log Download - Used Battery: 13% Used Memory: 28% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 3:00:00 PM
10/21/2016 8:23:58 AM User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl""

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Log Data:
Record Count: 740
Sensors: 2
1 - 441205: PCTD 300 PSIA (200.7m/658.7ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

| | | | | |
|---|---|---|---|---|
| | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: | |
| PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: | |
| PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: | |
| PCTD(A) 658.7ft | Sensor: Baro-Adj Calc | | | |
| | SN#: 441205 | SN#: 441205 | SN#: 441205 | |
| SN#: 441205 | SN#: 441205 | SN#: 441205 | SN#: 441205 | |
| SN#: 441205 | SN#: 441205 | SN#: 000000 | | |
| | Elapsed Time | Corrected | Corrected | |
| Date and Time | Seconds | Pressure (PSI) | Temperature (C) | Depth (ft) |

| Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppt) | Resistivity (ohm-cm) | Water Density (g/cm3) | Barometric Pressure (PSI) |
|---|---|---|---|---|---|---|
| 10/13/2016 12:00:00 AM | 7200.000 | 115.521 | 19.239 | 263.308 | 34600.980 | 38878.965 | 24.977 | 26.438 | 28.901 | 1.017 | 14.771 |
| 10/13/2016 12:15:00 AM | 8100.000 | 115.520 | 19.239 | 263.306 | 34597.828 | 38875.570 | 24.974 | 26.435 | 28.904 | 1.017 | 14.771 |
| 10/13/2016 12:30:00 AM | 9000.000 | 115.514 | 19.239 | 263.292 | 34584.746 | 38860.660 | 24.964 | 26.425 | 28.914 | 1.017 | 14.773 |
| 10/13/2016 12:45:00 AM | 9900.000 | 115.508 | 19.240 | 263.279 | 34589.125 | 38864.555 | 24.967 | 26.428 | 28.911 | 1.017 | 14.775 |
| 10/13/2016 1:00:00 AM | 10800.000 | 115.508 | 19.238 | 263.279 | 34598.367 | 38876.543 | 24.975 | 26.436 | 28.903 | 1.017 | 14.777 |
| 10/13/2016 1:15:00 AM | 11700.000 | 115.487 | 19.238 | 263.230 | 34599.809 | 38878.238 | 24.976 | 26.437 | 28.902 | 1.017 | 14.782 |
| 10/13/2016 1:30:00 AM | 12600.000 | 115.498 | 19.239 | 263.257 | 34603.230 | 38881.207 | 24.978 | 26.439 | 28.899 | 1.017 | 14.772 |
| 10/13/2016 1:45:00 AM | 13500.000 | 115.490 | 19.240 | 263.236 | 34607.176 | 38884.984 | 24.981 | 26.442 | 28.896 | 1.017 | 14.770 |
| 10/13/2016 2:00:00 AM | 14400.000 | 115.476 | 19.240 | 263.204 | 34601.266 | 38878.922 | 24.977 | 26.438 | 28.901 | 1.017 | 14.774 |
| 10/13/2016 2:15:00 AM | 15300.000 | 115.482 | 19.238 | 263.219 | 34594.129 | 38872.215 | 24.972 | 26.433 | 28.907 | 1.017 | 14.774 |
| 10/13/2016 2:30:00 AM | 16200.000 | 115.462 | 19.239 | 263.174 | 34598.852 | 38876.719 | 24.975 | 26.436 | 28.903 | 1.017 | 14.772 |
| 10/13/2016 2:45:00 AM | 17100.000 | 115.459 | 19.238 | 263.168 | 34588.945 | 38865.957 | 24.967 | 26.429 | 28.911 | 1.017 | 14.773 |
| 10/13/2016 3:00:00 AM | 18000.000 | 115.443 | 19.239 | 263.130 | 34620.145 | 38900.715 | 24.992 | 26.452 | 28.885 | 1.017 | 14.778 |
| 10/13/2016 3:15:00 AM | 18900.000 | 115.455 | 19.239 | 263.158 | 34583.281 | 38859.375 | 24.963 | 26.424 | 28.916 | 1.017 | 14.769 |
| 10/13/2016 3:30:00 AM | 19800.000 | 115.454 | 19.239 | 263.155 | 34567.355 | 38841.184 | 24.950 | 26.412 | 28.929 | 1.017 | 14.764 |
| 10/13/2016 3:45:00 AM | 20700.000 | 115.443 | 19.239 | 263.129 | 34614.707 | 38894.828 | 24.988 | 26.448 | 28.889 | 1.017 | 14.763 |

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|---|---|---|---|
| 10/13/2016 4:00:00 AM | 21600.000 | 115.435 | 19.240 |
| 263.113 | 34595.992 | 38872.641 | 24.972 |
| 26.433 | 28.905 | 1.017 | 14.761 |
| 10/13/2016 4:15:00 AM | 22500.000 | 115.443 | 19.239 |
| 263.130 | 34605.672 | 38884.094 | 24.980 |
| 26.441 | 28.897 | 1.017 | 14.763 |
| 10/13/2016 4:30:00 AM | 23400.000 | 115.441 | 19.239 |
| 263.125 | 34578.238 | 38853.555 | 24.959 |
| 26.420 | 28.920 | 1.017 | 14.759 |
| 10/13/2016 4:45:00 AM | 24300.000 | 115.445 | 19.239 |
| 263.134 | 34590.852 | 38867.582 | 24.969 |
| 26.430 | 28.909 | 1.017 | 14.757 |
| 10/13/2016 5:00:00 AM | 25200.000 | 115.432 | 19.239 |
| 263.105 | 34598.809 | 38876.313 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.757 |
| 10/13/2016 5:15:00 AM | 26100.000 | 115.429 | 19.239 |
| 263.097 | 34586.395 | 38862.434 | 24.965 |
| 26.426 | 28.913 | 1.017 | 14.761 |
| 10/13/2016 5:30:00 AM | 27000.000 | 115.438 | 19.239 |
| 263.119 | 34582.395 | 38858.016 | 24.962 |
| 26.423 | 28.916 | 1.017 | 14.759 |
| 10/13/2016 5:45:00 AM | 27900.000 | 115.448 | 19.238 |
| 263.142 | 34595.219 | 38873.082 | 24.973 |
| 26.434 | 28.906 | 1.017 | 14.755 |
| 10/13/2016 6:00:00 AM | 28800.000 | 115.444 | 19.239 |
| 263.133 | 34611.438 | 38890.574 | 24.985 |
| 26.446 | 28.892 | 1.017 | 14.758 |
| 10/13/2016 6:15:00 AM | 29700.000 | 115.448 | 19.239 |
| 263.141 | 34586.164 | 38862.250 | 24.965 |
| 26.426 | 28.913 | 1.017 | 14.758 |
| 10/13/2016 6:30:00 AM | 30600.000 | 115.446 | 19.240 |
| 263.138 | 34592.418 | 38868.770 | 24.970 |
| 26.431 | 28.908 | 1.017 | 14.760 |
| 10/13/2016 6:45:00 AM | 31500.000 | 115.455 | 19.239 |
| 263.157 | 34613.688 | 38893.102 | 24.987 |
| 26.447 | 28.890 | 1.017 | 14.755 |
| 10/13/2016 7:00:00 AM | 32400.000 | 115.452 | 19.239 |
| 263.151 | 34598.203 | 38876.145 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.754 |
| 10/13/2016 7:15:00 AM | 33300.000 | 115.457 | 19.240 |
| 263.162 | 34617.445 | 38896.523 | 24.989 |
| 26.450 | 28.887 | 1.017 | 14.752 |
| 10/13/2016 7:30:00 AM | 34200.000 | 115.470 | 19.240 |
| 263.192 | 34613.605 | 38892.719 | 24.987 |
| 26.447 | 28.890 | 1.017 | 14.754 |
| 10/13/2016 7:45:00 AM | 35100.000 | 115.474 | 19.240 |
| 263.201 | 34590.047 | 38866.176 | 24.968 |
| 26.429 | 28.910 | 1.017 | 14.754 |
| 10/13/2016 8:00:00 AM | 36000.000 | 115.483 | 19.240 |
| 263.221 | 34591.711 | 38867.684 | 24.969 |
| 26.430 | 28.909 | 1.017 | 14.751 |
| 10/13/2016 8:15:00 AM | 36900.000 | 115.484 | 19.240 |
| 263.223 | 34592.762 | 38869.156 | 24.970 |
| 26.431 | 28.908 | 1.017 | 14.754 |
| 10/13/2016 8:30:00 AM | 37800.000 | 115.495 | 19.240 |

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|---|---|---|---|
| 263.249 | 34575.801 | 38850.168 | 24.956 |
| 26.418 | 28.922 | 1.017 | 14.757 |
| 10/13/2016 8:45:00 AM | 38700.000 | 115.502 | 19.239 |
| 263.266 | 34591.398 | 38868.273 | 24.969 |
| 26.430 | 28.909 | 1.017 | 14.759 |
| 10/13/2016 9:00:00 AM | 39600.000 | 115.521 | 19.239 |
| 263.307 | 34604.379 | 38882.574 | 24.979 |
| 26.440 | 28.898 | 1.017 | 14.760 |
| 10/13/2016 9:15:00 AM | 40500.000 | 115.526 | 19.240 |
| 263.319 | 34602.414 | 38879.855 | 24.977 |
| 26.438 | 28.900 | 1.017 | 14.761 |
| 10/13/2016 9:30:00 AM | 41400.000 | 115.525 | 19.239 |
| 263.316 | 34602.961 | 38881.051 | 24.978 |
| 26.439 | 28.899 | 1.017 | 14.771 |
| 10/13/2016 9:45:00 AM | 42300.000 | 115.545 | 19.239 |
| 263.362 | 34605.316 | 38884.055 | 24.980 |
| 26.441 | 28.897 | 1.017 | 14.763 |
| 10/13/2016 10:00:00 AM | 43200.000 | 115.527 | 19.239 |
| 263.322 | 34582.273 | 38857.945 | 24.962 |
| 26.423 | 28.917 | 1.017 | 14.774 |
| 10/13/2016 10:15:00 AM | 44100.000 | 115.543 | 19.239 |
| 263.359 | 34590.836 | 38867.867 | 24.969 |
| 26.430 | 28.909 | 1.017 | 14.770 |
| 10/13/2016 10:30:00 AM | 45000.000 | 115.552 | 19.241 |
| 263.380 | 34597.387 | 38873.691 | 24.973 |
| 26.434 | 28.904 | 1.017 | 14.770 |
| 10/13/2016 10:45:00 AM | 45900.000 | 115.560 | 19.241 |
| 263.397 | 34586.203 | 38861.125 | 24.964 |
| 26.426 | 28.913 | 1.017 | 14.773 |
| 10/13/2016 11:00:00 AM | 46800.000 | 115.557 | 19.240 |
| 263.391 | 34606.711 | 38884.613 | 24.981 |
| 26.442 | 28.896 | 1.017 | 14.773 |
| 10/13/2016 11:15:00 AM | 47700.000 | 115.557 | 19.240 |
| 263.391 | 34598.895 | 38876.117 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.776 |
| 10/13/2016 11:30:00 AM | 48600.000 | 115.551 | 19.239 |
| 263.376 | 34588.355 | 38864.637 | 24.967 |
| 26.428 | 28.911 | 1.017 | 14.775 |
| 10/13/2016 11:45:00 AM | 49500.000 | 115.571 | 19.239 |
| 263.422 | 34618.465 | 38898.547 | 24.991 |
| 26.451 | 28.886 | 1.017 | 14.770 |
| 10/13/2016 12:00:00 PM | 50400.000 | 115.566 | 19.240 |
| 263.412 | 34599.059 | 38876.016 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.770 |
| 10/13/2016 12:15:00 PM | 51300.000 | 115.572 | 19.239 |
| 263.425 | 34594.863 | 38872.309 | 24.972 |
| 26.433 | 28.906 | 1.017 | 14.770 |
| 10/13/2016 12:30:00 PM | 52200.000 | 115.562 | 19.240 |
| 263.402 | 34596.973 | 38873.742 | 24.973 |
| 26.434 | 28.904 | 1.017 | 14.770 |
| 10/13/2016 12:45:00 PM | 53100.000 | 115.568 | 19.239 |
| 263.416 | 34605.148 | 38884.020 | 24.980 |
| 26.441 | 28.897 | 1.017 | 14.765 |
| 10/13/2016 1:00:00 PM | 54000.000 | 115.560 | 19.239 |
| 263.396 | 34577.766 | 38852.957 | 24.958 |

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|---|---|---|---|
| 26.420 | 28.920 | 1.017 | 14.766 |
| 10/13/2016 1:15:00 PM | 54900.000 | 115.565 | 19.240 |
| 263.408 | 34610.141 | 38888.090 | 24.983 |
| 26.444 | 28.893 | 1.017 | 14.763 |
| 10/13/2016 1:30:00 PM | 55800.000 | 115.562 | 19.240 |
| 263.401 | 34589.988 | 38865.895 | 24.967 |
| 26.429 | 28.910 | 1.017 | 14.753 |
| 10/13/2016 1:45:00 PM | 56700.000 | 115.562 | 19.240 |
| 263.402 | 34598.602 | 38875.789 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.757 |
| 10/13/2016 2:00:00 PM | 57600.000 | 115.552 | 19.238 |
| 263.379 | 34596.137 | 38874.113 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.756 |
| 10/13/2016 2:15:00 PM | 58500.000 | 115.553 | 19.239 |
| 263.381 | 34609.656 | 38888.859 | 24.984 |
| 26.444 | 28.894 | 1.017 | 14.755 |
| 10/13/2016 2:30:00 PM | 59400.000 | 115.546 | 19.239 |
| 263.366 | 34608.469 | 38887.453 | 24.983 |
| 26.443 | 28.895 | 1.017 | 14.752 |
| 10/13/2016 2:45:00 PM | 60300.000 | 115.537 | 19.239 |
| 263.345 | 34605.297 | 38883.961 | 24.980 |
| 26.441 | 28.897 | 1.017 | 14.750 |
| 10/13/2016 3:00:00 PM | 61200.000 | 115.536 | 19.239 |
| 263.341 | 34580.781 | 38856.637 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.750 |
| 10/13/2016 3:15:00 PM | 62100.000 | 115.538 | 19.239 |
| 263.348 | 34597.242 | 38874.699 | 24.974 |
| 26.435 | 28.904 | 1.017 | 14.747 |
| 10/13/2016 3:30:00 PM | 63000.000 | 115.537 | 19.239 |
| 263.344 | 34600.621 | 38878.563 | 24.976 |
| 26.437 | 28.901 | 1.017 | 14.744 |
| 10/13/2016 3:45:00 PM | 63900.000 | 115.537 | 19.239 |
| 263.344 | 34610.848 | 38890.129 | 24.985 |
| 26.445 | 28.893 | 1.017 | 14.739 |
| 10/13/2016 4:00:00 PM | 64800.000 | 115.537 | 19.239 |
| 263.345 | 34599.641 | 38877.758 | 24.976 |
| 26.437 | 28.902 | 1.017 | 14.734 |
| 10/13/2016 4:15:00 PM | 65700.000 | 115.523 | 19.239 |
| 263.313 | 34602.230 | 38880.305 | 24.978 |
| 26.439 | 28.900 | 1.017 | 14.739 |
| 10/13/2016 4:30:00 PM | 66600.000 | 115.530 | 19.239 |
| 263.328 | 34604.859 | 38883.398 | 24.980 |
| 26.441 | 28.898 | 1.017 | 14.732 |
| 10/13/2016 4:45:00 PM | 67500.000 | 115.515 | 19.239 |
| 263.295 | 34580.078 | 38855.336 | 24.960 |
| 26.422 | 28.918 | 1.017 | 14.734 |
| 10/13/2016 5:00:00 PM | 68400.000 | 115.532 | 19.239 |
| 263.334 | 34594.613 | 38871.523 | 24.971 |
| 26.433 | 28.906 | 1.017 | 14.729 |
| 10/13/2016 5:15:00 PM | 69300.000 | 115.510 | 19.239 |
| 263.283 | 34573.066 | 38847.969 | 24.955 |
| 26.417 | 28.924 | 1.017 | 14.732 |
| 10/13/2016 5:30:00 PM | 70200.000 | 115.519 | 19.239 |
| 263.304 | 34605.258 | 38883.707 | 24.980 |
| 26.441 | 28.897 | 1.017 | 14.726 |

| | | | |
|---|---|---|---|
| 10/13/2016 5:45:00 PM | 71100.000 | 115.522 | 19.239 |
| 263.311 | 34573.566 | 38848.020 | 24.955 |
| 26.417 | 28.924 | 1.017 | 14.722 |
| 10/13/2016 6:00:00 PM | 72000.000 | 115.525 | 19.240 |
| 263.318 | 34610.285 | 38888.699 | 24.984 |
| 26.444 | 28.893 | 1.017 | 14.725 |
| 10/13/2016 6:15:00 PM | 72900.000 | 115.517 | 19.239 |
| 263.299 | 34591.965 | 38869.133 | 24.970 |
| 26.431 | 28.908 | 1.017 | 14.729 |
| 10/13/2016 6:30:00 PM | 73800.000 | 115.531 | 19.239 |
| 263.331 | 34604.023 | 38882.602 | 24.979 |
| 26.440 | 28.898 | 1.017 | 14.732 |
| 10/13/2016 6:45:00 PM | 74700.000 | 115.518 | 19.239 |
| 263.301 | 34595.344 | 38872.707 | 24.972 |
| 26.433 | 28.906 | 1.017 | 14.731 |
| 10/13/2016 7:00:00 PM | 75600.000 | 115.535 | 19.239 |
| 263.341 | 34588.148 | 38864.336 | 24.966 |
| 26.428 | 28.912 | 1.017 | 14.733 |
| 10/13/2016 7:15:00 PM | 76500.000 | 115.550 | 19.240 |
| 263.373 | 34599.121 | 38876.512 | 24.975 |
| 26.436 | 28.902 | 1.017 | 14.728 |
| 10/13/2016 7:30:00 PM | 77400.000 | 115.545 | 19.239 |
| 263.362 | 34587.023 | 38863.652 | 24.966 |
| 26.427 | 28.913 | 1.017 | 14.733 |
| 10/13/2016 7:45:00 PM | 78300.000 | 115.547 | 19.239 |
| 263.367 | 34609.930 | 38889.098 | 24.984 |
| 26.445 | 28.893 | 1.017 | 14.733 |
| 10/13/2016 8:00:00 PM | 79200.000 | 115.545 | 19.239 |
| 263.363 | 34603.715 | 38881.750 | 24.979 |
| 26.440 | 28.899 | 1.017 | 14.739 |
| 10/13/2016 8:15:00 PM | 80100.000 | 115.563 | 19.239 |
| 263.404 | 34587.898 | 38864.637 | 24.967 |
| 26.428 | 28.912 | 1.017 | 14.733 |
| 10/13/2016 8:30:00 PM | 81000.000 | 115.561 | 19.240 |
| 263.398 | 34598.016 | 38874.977 | 24.974 |
| 26.435 | 28.903 | 1.017 | 14.738 |
| 10/13/2016 8:45:00 PM | 81900.000 | 115.572 | 19.239 |
| 263.425 | 34593.715 | 38870.945 | 24.971 |
| 26.432 | 28.907 | 1.017 | 14.736 |
| 10/13/2016 9:00:00 PM | 82800.000 | 115.578 | 19.239 |
| 263.438 | 34582.355 | 38858.184 | 24.962 |
| 26.424 | 28.916 | 1.017 | 14.735 |
| 10/13/2016 9:15:00 PM | 83700.000 | 115.585 | 19.239 |
| 263.453 | 34611.203 | 38890.527 | 24.985 |
| 26.446 | 28.892 | 1.017 | 14.734 |
| 10/13/2016 9:30:00 PM | 84600.000 | 115.588 | 19.238 |
| 263.461 | 34592.418 | 38870.000 | 24.970 |
| 26.432 | 28.908 | 1.017 | 14.743 |
| 10/13/2016 9:45:00 PM | 85500.000 | 115.601 | 19.240 |
| 263.489 | 34610.801 | 38889.566 | 24.984 |
| 26.445 | 28.893 | 1.017 | 14.744 |
| 10/13/2016 10:00:00 PM | 86400.000 | 115.594 | 19.239 |
| 263.474 | 34593.234 | 38870.406 | 24.971 |
| 26.432 | 28.907 | 1.017 | 14.744 |
| 10/13/2016 10:15:00 PM | 87300.000 | 115.606 | 19.239 |

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|---|---|---|---|
| 263.502 | 34620.512 | 38901.211 | 24.993 |
| 26.453 | 28.885 | 1.017 | 14.742 |
| 10/13/2016 10:30:00 PM | 88200.000 | 115.607 | 19.239 |
| 263.504 | 34604.441 | 38882.855 | 24.980 |
| 26.440 | 28.898 | 1.017 | 14.741 |
| 10/13/2016 10:45:00 PM | 89100.000 | 115.608 | 19.239 |
| 263.505 | 34592.340 | 38869.691 | 24.970 |
| 26.431 | 28.908 | 1.017 | 14.740 |
| 10/13/2016 11:00:00 PM | 90000.000 | 115.602 | 19.238 |
| 263.493 | 34596.277 | 38874.410 | 24.973 |
| 26.435 | 28.905 | 1.017 | 14.743 |
| 10/13/2016 11:15:00 PM | 90900.000 | 115.613 | 19.239 |
| 263.518 | 34581.855 | 38857.844 | 24.962 |
| 26.423 | 28.917 | 1.017 | 14.748 |
| 10/13/2016 11:30:00 PM | 91800.000 | 115.620 | 19.239 |
| 263.534 | 34604.320 | 38882.508 | 24.979 |
| 26.440 | 28.898 | 1.017 | 14.741 |
| 10/13/2016 11:45:00 PM | 92700.000 | 115.600 | 19.239 |
| 263.489 | 34615.320 | 38895.449 | 24.988 |
| 26.449 | 28.889 | 1.017 | 14.741 |
| 10/14/2016 12:00:00 AM | 93600.000 | 115.613 | 19.239 |
| 263.518 | 34581.102 | 38857.066 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.739 |
| 10/14/2016 12:15:00 AM | 94500.000 | 115.611 | 19.239 |
| 263.512 | 34574.969 | 38849.449 | 24.956 |
| 26.418 | 28.923 | 1.017 | 14.734 |
| 10/14/2016 12:30:00 AM | 95400.000 | 115.611 | 19.240 |
| 263.512 | 34596.656 | 38873.742 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.737 |
| 10/14/2016 12:45:00 AM | 96300.000 | 115.617 | 19.239 |
| 263.526 | 34603.645 | 38882.105 | 24.979 |
| 26.440 | 28.899 | 1.017 | 14.731 |
| 10/14/2016 1:00:00 AM | 97200.000 | 115.612 | 19.239 |
| 263.515 | 34599.016 | 38877.125 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.731 |
| 10/14/2016 1:15:00 AM | 98100.000 | 115.607 | 19.239 |
| 263.503 | 34595.992 | 38873.730 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.729 |
| 10/14/2016 1:30:00 AM | 99000.000 | 115.608 | 19.239 |
| 263.507 | 34596.508 | 38874.375 | 24.973 |
| 26.435 | 28.905 | 1.017 | 14.725 |
| 10/14/2016 1:45:00 AM | 99900.000 | 115.594 | 19.239 |
| 263.474 | 34584.785 | 38861.137 | 24.964 |
| 26.426 | 28.914 | 1.017 | 14.732 |
| 10/14/2016 2:00:00 AM | 100800.000 | 115.583 | 19.239 |
| 263.448 | 34590.043 | 38866.391 | 24.968 |
| 26.429 | 28.910 | 1.017 | 14.733 |
| 10/14/2016 2:15:00 AM | 101700.000 | 115.586 | 19.239 |
| 263.455 | 34600.645 | 38879.023 | 24.977 |
| 26.438 | 28.901 | 1.017 | 14.730 |
| 10/14/2016 2:30:00 AM | 102600.000 | 115.572 | 19.239 |
| 263.424 | 34600.125 | 38877.863 | 24.976 |
| 26.437 | 28.902 | 1.017 | 14.730 |
| 10/14/2016 2:45:00 AM | 103500.000 | 115.566 | 19.239 |
| 263.411 | 34609.348 | 38888.227 | 24.983 |

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| 26.444 | 28.894 | 1.017 | 14.732 |
| 10/14/2016 3:00:00 AM | 104400.000 | 115.565 | 19.238 |
| 263.408 | 34583.484 | 38860.406 | 24.964 |
| 26.425 | 28.916 | 1.017 | 14.727 |
| 10/14/2016 3:15:00 AM | 105300.000 | 115.560 | 19.239 |
| 263.396 | 34589.504 | 38866.508 | 24.968 |
| 26.429 | 28.911 | 1.017 | 14.732 |
| 10/14/2016 3:30:00 AM | 106200.000 | 115.556 | 19.239 |
| 263.387 | 34602.938 | 38881.602 | 24.979 |
| 26.439 | 28.899 | 1.017 | 14.734 |
| 10/14/2016 3:45:00 AM | 107100.000 | 115.550 | 19.239 |
| 263.374 | 34588.668 | 38865.207 | 24.967 |
| 26.428 | 28.911 | 1.017 | 14.733 |
| 10/14/2016 4:00:00 AM | 108000.000 | 115.529 | 19.240 |
| 263.327 | 34617.945 | 38897.523 | 24.990 |
| 26.450 | 28.887 | 1.017 | 14.736 |
| 10/14/2016 4:15:00 AM | 108900.000 | 115.524 | 19.239 |
| 263.315 | 34606.051 | 38885.031 | 24.981 |
| 26.442 | 28.897 | 1.017 | 14.736 |
| 10/14/2016 4:30:00 AM | 109800.000 | 115.521 | 19.239 |
| 263.308 | 34583.145 | 38859.359 | 24.963 |
| 26.424 | 28.916 | 1.017 | 14.735 |
| 10/14/2016 4:45:00 AM | 110700.000 | 115.536 | 19.239 |
| 263.341 | 34595.906 | 38873.633 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.725 |
| 10/14/2016 5:00:00 AM | 111600.000 | 115.521 | 19.239 |
| 263.308 | 34572.137 | 38846.992 | 24.954 |
| 26.416 | 28.925 | 1.017 | 14.731 |
| 10/14/2016 5:15:00 AM | 112500.000 | 115.520 | 19.239 |
| 263.307 | 34591.777 | 38868.992 | 24.970 |
| 26.431 | 28.909 | 1.017 | 14.724 |
| 10/14/2016 5:30:00 AM | 113400.000 | 115.526 | 19.239 |
| 263.320 | 34593.109 | 38870.422 | 24.971 |
| 26.432 | 28.907 | 1.017 | 14.726 |
| 10/14/2016 5:45:00 AM | 114300.000 | 115.523 | 19.238 |
| 263.313 | 34595.887 | 38874.551 | 24.974 |
| 26.435 | 28.905 | 1.017 | 14.721 |
| 10/14/2016 6:00:00 AM | 115200.000 | 115.519 | 19.238 |
| 263.304 | 34586.336 | 38863.539 | 24.966 |
| 26.427 | 28.913 | 1.017 | 14.726 |
| 10/14/2016 6:15:00 AM | 116100.000 | 115.523 | 19.239 |
| 263.313 | 34600.813 | 38879.074 | 24.977 |
| 26.438 | 28.901 | 1.017 | 14.722 |
| 10/14/2016 6:30:00 AM | 117000.000 | 115.524 | 19.238 |
| 263.315 | 34576.035 | 38851.668 | 24.957 |
| 26.419 | 28.922 | 1.017 | 14.728 |
| 10/14/2016 6:45:00 AM | 117900.000 | 115.535 | 19.240 |
| 263.339 | 34597.367 | 38874.188 | 24.973 |
| 26.434 | 28.904 | 1.017 | 14.726 |
| 10/14/2016 7:00:00 AM | 118800.000 | 115.530 | 19.238 |
| 263.328 | 34597.488 | 38875.555 | 24.974 |
| 26.435 | 28.904 | 1.017 | 14.723 |
| 10/14/2016 7:15:00 AM | 119700.000 | 115.549 | 19.239 |
| 263.372 | 34602.211 | 38880.648 | 24.978 |
| 26.439 | 28.900 | 1.017 | 14.727 |

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|---|---|---|---|
| 10/14/2016 7:30:00 AM | 120600.000 | 115.537 | 19.239 |
| 263.344 | 34618.555 | 38899.012 | 24.991 |
| 26.451 | 28.886 | 1.017 | 14.725 |
| 10/14/2016 7:45:00 AM | 121500.000 | 115.558 | 19.240 |
| 263.392 | 34600.410 | 38877.750 | 24.976 |
| 26.437 | 28.901 | 1.017 | 14.723 |
| 10/14/2016 8:00:00 AM | 122400.000 | 115.561 | 19.240 |
| 263.399 | 34603.902 | 38881.883 | 24.979 |
| 26.440 | 28.898 | 1.017 | 14.726 |
| 10/14/2016 8:15:00 AM | 123300.000 | 115.563 | 19.239 |
| 263.403 | 34590.758 | 38867.848 | 24.969 |
| 26.430 | 28.909 | 1.017 | 14.735 |
| 10/14/2016 8:30:00 AM | 124200.000 | 115.571 | 19.239 |
| 263.421 | 34598.895 | 38876.410 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.729 |
| 10/14/2016 8:45:00 AM | 125100.000 | 115.580 | 19.239 |
| 263.443 | 34615.605 | 38895.398 | 24.988 |
| 26.449 | 28.889 | 1.017 | 14.733 |
| 10/14/2016 9:00:00 AM | 126000.000 | 115.592 | 19.240 |
| 263.471 | 34617.090 | 38896.492 | 24.989 |
| 26.450 | 28.887 | 1.017 | 14.734 |
| 10/14/2016 9:15:00 AM | 126900.000 | 115.595 | 19.239 |
| 263.477 | 34593.656 | 38870.883 | 24.971 |
| 26.432 | 28.907 | 1.017 | 14.741 |
| 10/14/2016 9:30:00 AM | 127800.000 | 115.607 | 19.239 |
| 263.503 | 34576.582 | 38851.484 | 24.957 |
| 26.419 | 28.921 | 1.017 | 14.736 |
| 10/14/2016 9:45:00 AM | 128700.000 | 115.605 | 19.239 |
| 263.500 | 34598.281 | 38875.793 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.743 |
| 10/14/2016 10:00:00 AM | 129600.000 | 115.625 | 19.240 |
| 263.545 | 34607.297 | 38885.406 | 24.981 |
| 26.442 | 28.896 | 1.017 | 14.736 |
| 10/14/2016 10:15:00 AM | 130500.000 | 115.635 | 19.239 |
| 263.568 | 34575.320 | 38850.430 | 24.956 |
| 26.418 | 28.922 | 1.017 | 14.734 |
| 10/14/2016 10:30:00 AM | 131400.000 | 115.640 | 19.239 |
| 263.580 | 34597.074 | 38874.574 | 24.974 |
| 26.435 | 28.904 | 1.017 | 14.724 |
| 10/14/2016 10:45:00 AM | 132300.000 | 115.645 | 19.239 |
| 263.590 | 34597.387 | 38875.363 | 24.974 |
| 26.435 | 28.904 | 1.017 | 14.734 |
| 10/14/2016 11:00:00 AM | 133200.000 | 115.649 | 19.240 |
| 263.600 | 34588.090 | 38864.117 | 24.966 |
| 26.428 | 28.912 | 1.017 | 14.735 |
| 10/14/2016 11:15:00 AM | 134100.000 | 115.653 | 19.239 |
| 263.609 | 34592.617 | 38869.645 | 24.970 |
| 26.431 | 28.908 | 1.017 | 14.733 |
| 10/14/2016 11:30:00 AM | 135000.000 | 115.655 | 19.239 |
| 263.613 | 34626.063 | 38907.449 | 24.997 |
| 26.457 | 28.880 | 1.017 | 14.731 |
| 10/14/2016 11:45:00 AM | 135900.000 | 115.664 | 19.239 |
| 263.635 | 34604.777 | 38883.379 | 24.980 |
| 26.441 | 28.898 | 1.017 | 14.730 |
| 10/14/2016 12:00:00 PM | 136800.000 | 115.666 | 19.239 |

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| 263.638 | 34597.262 | 38874.863 | 24.974 |
| 26.435 | 28.904 | 1.017 | 14.729 |
| 10/14/2016 12:15:00 PM | 137700.000 | 115.667 | 19.239 |
| 263.641 | 34583.250 | 38858.977 | 24.963 |
| 26.424 | 28.916 | 1.017 | 14.728 |
| 10/14/2016 12:30:00 PM | 138600.000 | 115.673 | 19.240 |
| 263.655 | 34590.754 | 38867.109 | 24.968 |
| 26.430 | 28.909 | 1.017 | 14.721 |
| 10/14/2016 12:45:00 PM | 139500.000 | 115.657 | 19.238 |
| 263.618 | 34588.313 | 38865.965 | 24.967 |
| 26.429 | 28.912 | 1.017 | 14.727 |
| 10/14/2016 1:00:00 PM | 140400.000 | 115.667 | 19.239 |
| 263.641 | 34598.641 | 38876.551 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.725 |
| 10/14/2016 1:15:00 PM | 141300.000 | 115.671 | 19.238 |
| 263.649 | 34595.535 | 38873.949 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.716 |
| 10/14/2016 1:30:00 PM | 142200.000 | 115.668 | 19.240 |
| 263.644 | 34611.766 | 38890.426 | 24.985 |
| 26.445 | 28.892 | 1.017 | 14.716 |
| 10/14/2016 1:45:00 PM | 143100.000 | 115.675 | 19.239 |
| 263.659 | 34598.977 | 38877.152 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.708 |
| 10/14/2016 2:00:00 PM | 144000.000 | 115.660 | 19.240 |
| 263.624 | 34605.504 | 38883.684 | 24.980 |
| 26.441 | 28.897 | 1.017 | 14.709 |
| 10/14/2016 2:15:00 PM | 144900.000 | 115.663 | 19.239 |
| 263.632 | 34602.496 | 38880.883 | 24.978 |
| 26.439 | 28.900 | 1.017 | 14.710 |
| 10/14/2016 2:30:00 PM | 145800.000 | 115.660 | 19.238 |
| 263.626 | 34615.629 | 38895.941 | 24.989 |
| 26.449 | 28.889 | 1.017 | 14.708 |
| 10/14/2016 2:45:00 PM | 146700.000 | 115.652 | 19.238 |
| 263.607 | 34580.332 | 38856.418 | 24.961 |
| 26.422 | 28.918 | 1.017 | 14.705 |
| 10/14/2016 3:00:00 PM | 147600.000 | 115.645 | 19.239 |
| 263.591 | 34580.918 | 38856.793 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.703 |
| 10/14/2016 3:15:00 PM | 148500.000 | 115.641 | 19.239 |
| 263.581 | 34601.434 | 38879.262 | 24.977 |
| 26.438 | 28.901 | 1.017 | 14.703 |
| 10/14/2016 3:30:00 PM | 149400.000 | 115.640 | 19.238 |
| 263.579 | 34589.523 | 38866.605 | 24.968 |
| 26.429 | 28.910 | 1.017 | 14.697 |
| 10/14/2016 3:45:00 PM | 150300.000 | 115.628 | 19.239 |
| 263.551 | 34612.641 | 38891.855 | 24.986 |
| 26.446 | 28.891 | 1.017 | 14.696 |
| 10/14/2016 4:00:00 PM | 151200.000 | 115.622 | 19.238 |
| 263.539 | 34576.203 | 38852.156 | 24.958 |
| 26.419 | 28.922 | 1.017 | 14.704 |
| 10/14/2016 4:15:00 PM | 152100.000 | 115.623 | 19.239 |
| 263.540 | 34578.242 | 38853.352 | 24.959 |
| 26.420 | 28.920 | 1.017 | 14.700 |
| 10/14/2016 4:30:00 PM | 153000.000 | 115.616 | 19.238 |
| 263.524 | 34602.773 | 38881.570 | 24.979 |

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| 26.439 | 28.899 | 1.017 | 14.697 |
| 10/14/2016 4:45:00 PM | 153900.000 | 115.611 | 19.239 |
| 263.513 | 34612.184 | 38891.414 | 24.986 |
| 26.446 | 28.892 | 1.017 | 14.696 |
| 10/14/2016 5:00:00 PM | 154800.000 | 115.619 | 19.238 |
| 263.531 | 34595.098 | 38872.945 | 24.972 |
| 26.434 | 28.906 | 1.017 | 14.694 |
| 10/14/2016 5:15:00 PM | 155700.000 | 115.605 | 19.240 |
| 263.499 | 34595.656 | 38872.617 | 24.972 |
| 26.433 | 28.905 | 1.017 | 14.694 |
| 10/14/2016 5:30:00 PM | 156600.000 | 115.609 | 19.238 |
| 263.508 | 34615.215 | 38895.836 | 24.989 |
| 26.449 | 28.889 | 1.017 | 14.694 |
| 10/14/2016 5:45:00 PM | 157500.000 | 115.611 | 19.238 |
| 263.512 | 34574.859 | 38850.848 | 24.957 |
| 26.419 | 28.923 | 1.017 | 14.696 |
| 10/14/2016 6:00:00 PM | 158400.000 | 115.606 | 19.238 |
| 263.503 | 34610.746 | 38890.969 | 24.985 |
| 26.446 | 28.893 | 1.017 | 14.693 |
| 10/14/2016 6:15:00 PM | 159300.000 | 115.603 | 19.240 |
| 263.495 | 34593.512 | 38870.141 | 24.971 |
| 26.432 | 28.907 | 1.017 | 14.699 |
| 10/14/2016 6:30:00 PM | 160200.000 | 115.613 | 19.238 |
| 263.517 | 34590.441 | 38867.637 | 24.969 |
| 26.430 | 28.910 | 1.017 | 14.696 |
| 10/14/2016 6:45:00 PM | 161100.000 | 115.604 | 19.239 |
| 263.498 | 34586.441 | 38862.844 | 24.965 |
| 26.427 | 28.913 | 1.017 | 14.695 |
| 10/14/2016 7:00:00 PM | 162000.000 | 115.611 | 19.239 |
| 263.514 | 34597.891 | 38875.641 | 24.974 |
| 26.435 | 28.903 | 1.017 | 14.697 |
| 10/14/2016 7:15:00 PM | 162900.000 | 115.616 | 19.239 |
| 263.525 | 34590.109 | 38866.750 | 24.968 |
| 26.429 | 28.910 | 1.017 | 14.699 |
| 10/14/2016 7:30:00 PM | 163800.000 | 115.607 | 19.238 |
| 263.503 | 34585.434 | 38862.227 | 24.965 |
| 26.426 | 28.914 | 1.017 | 14.709 |
| 10/14/2016 7:45:00 PM | 164700.000 | 115.616 | 19.239 |
| 263.526 | 34600.559 | 38878.281 | 24.976 |
| 26.437 | 28.901 | 1.017 | 14.702 |
| 10/14/2016 8:00:00 PM | 165600.000 | 115.621 | 19.238 |
| 263.537 | 34595.906 | 38873.777 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.705 |
| 10/14/2016 8:15:00 PM | 166500.000 | 115.621 | 19.239 |
| 263.536 | 34592.379 | 38869.375 | 24.970 |
| 26.431 | 28.908 | 1.017 | 14.705 |
| 10/14/2016 8:30:00 PM | 167400.000 | 115.640 | 19.240 |
| 263.578 | 34605.941 | 38884.105 | 24.980 |
| 26.441 | 28.897 | 1.017 | 14.699 |
| 10/14/2016 8:45:00 PM | 168300.000 | 115.637 | 19.239 |
| 263.572 | 34608.777 | 38887.438 | 24.983 |
| 26.443 | 28.894 | 1.017 | 14.705 |
| 10/14/2016 9:00:00 PM | 169200.000 | 115.649 | 19.239 |
| 263.599 | 34593.988 | 38870.898 | 24.971 |
| 26.432 | 28.907 | 1.017 | 14.703 |

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|---|---|---|---|
| 10/14/2016 9:15:00 PM | 170100.000 | 115.655 | 19.238 |
| 263.613 | 34609.473 | 38889.238 | 24.984 |
| 26.445 | 28.894 | 1.017 | 14.707 |
| 10/14/2016 9:30:00 PM | 171000.000 | 115.665 | 19.238 |
| 263.637 | 34601.793 | 38880.754 | 24.978 |
| 26.439 | 28.900 | 1.017 | 14.705 |
| 10/14/2016 9:45:00 PM | 171900.000 | 115.682 | 19.238 |
| 263.674 | 34595.578 | 38873.996 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.709 |
| 10/14/2016 10:00:00 PM | 172800.000 | 115.673 | 19.238 |
| 263.655 | 34608.742 | 38888.418 | 24.983 |
| 26.444 | 28.894 | 1.017 | 14.711 |
| 10/14/2016 10:15:00 PM | 173700.000 | 115.698 | 19.239 |
| 263.712 | 34603.504 | 38881.516 | 24.979 |
| 26.439 | 28.899 | 1.017 | 14.703 |
| 10/14/2016 10:30:00 PM | 174600.000 | 115.690 | 19.237 |
| 263.694 | 34605.273 | 38885.176 | 24.981 |
| 26.442 | 28.897 | 1.017 | 14.708 |
| 10/14/2016 10:45:00 PM | 175500.000 | 115.699 | 19.239 |
| 263.713 | 34585.164 | 38861.129 | 24.964 |
| 26.426 | 28.914 | 1.017 | 14.714 |
| 10/14/2016 11:00:00 PM | 176400.000 | 115.717 | 19.239 |
| 263.754 | 34596.406 | 38874.043 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.709 |
| 10/14/2016 11:15:00 PM | 177300.000 | 115.706 | 19.238 |
| 263.729 | 34579.887 | 38855.777 | 24.960 |
| 26.422 | 28.919 | 1.017 | 14.710 |
| 10/14/2016 11:30:00 PM | 178200.000 | 115.710 | 19.238 |
| 263.739 | 34601.688 | 38880.789 | 24.978 |
| 26.439 | 28.900 | 1.017 | 14.713 |
| 10/14/2016 11:45:00 PM | 179100.000 | 115.722 | 19.238 |
| 263.767 | 34573.953 | 38849.109 | 24.956 |
| 26.417 | 28.924 | 1.017 | 14.713 |
| 10/15/2016 12:00:00 AM | 180000.000 | 115.724 | 19.240 |
| 263.771 | 34597.387 | 38874.563 | 24.974 |
| 26.435 | 28.904 | 1.017 | 14.715 |
| 10/15/2016 12:15:00 AM | 180900.000 | 115.728 | 19.239 |
| 263.779 | 34588.898 | 38865.828 | 24.967 |
| 26.429 | 28.911 | 1.017 | 14.708 |
| 10/15/2016 12:30:00 AM | 181800.000 | 115.731 | 19.239 |
| 263.786 | 34625.320 | 38906.684 | 24.996 |
| 26.457 | 28.881 | 1.017 | 14.705 |
| 10/15/2016 12:45:00 AM | 182700.000 | 115.722 | 19.239 |
| 263.767 | 34589.379 | 38865.863 | 24.967 |
| 26.429 | 28.911 | 1.017 | 14.710 |
| 10/15/2016 1:00:00 AM | 183600.000 | 115.744 | 19.239 |
| 263.816 | 34589.961 | 38866.520 | 24.968 |
| 26.429 | 28.910 | 1.017 | 14.702 |
| 10/15/2016 1:15:00 AM | 184500.000 | 115.734 | 19.239 |
| 263.794 | 34619.473 | 38900.180 | 24.992 |
| 26.452 | 28.885 | 1.017 | 14.708 |
| 10/15/2016 1:30:00 AM | 185400.000 | 115.730 | 19.239 |
| 263.785 | 34592.738 | 38870.074 | 24.970 |
| 26.432 | 28.908 | 1.017 | 14.709 |
| 10/15/2016 1:45:00 AM | 186300.000 | 115.732 | 19.238 |

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| 263.788 | 34616.133 | 38896.797 | 24.989 |
| 26.450 | 28.888 | 1.017 | 14.707 |
| 10/15/2016 2:00:00 AM | 187200.000 | 115.717 | 19.238 |
| 263.756 | 34565.844 | 38840.215 | 24.949 |
| 26.411 | 28.930 | 1.017 | 14.706 |
| 10/15/2016 2:15:00 AM | 188100.000 | 115.710 | 19.239 |
| 263.740 | 34604.922 | 38883.395 | 24.980 |
| 26.441 | 28.898 | 1.017 | 14.713 |
| 10/15/2016 2:30:00 AM | 189000.000 | 115.710 | 19.238 |
| 263.740 | 34581.777 | 38857.977 | 24.962 |
| 26.423 | 28.917 | 1.017 | 14.711 |
| 10/15/2016 2:45:00 AM | 189900.000 | 115.710 | 19.238 |
| 263.739 | 34594.465 | 38872.816 | 24.972 |
| 26.434 | 28.906 | 1.017 | 14.702 |
| 10/15/2016 3:00:00 AM | 190800.000 | 115.710 | 19.238 |
| 263.738 | 34598.098 | 38876.242 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.706 |
| 10/15/2016 3:15:00 AM | 191700.000 | 115.704 | 19.238 |
| 263.725 | 34584.207 | 38860.996 | 24.964 |
| 26.425 | 28.915 | 1.017 | 14.704 |
| 10/15/2016 3:30:00 AM | 192600.000 | 115.698 | 19.237 |
| 263.711 | 34593.844 | 38872.551 | 24.972 |
| 26.433 | 28.907 | 1.017 | 14.707 |
| 10/15/2016 3:45:00 AM | 193500.000 | 115.688 | 19.238 |
| 263.689 | 34611.063 | 38890.809 | 24.985 |
| 26.446 | 28.892 | 1.017 | 14.706 |
| 10/15/2016 4:00:00 AM | 194400.000 | 115.680 | 19.238 |
| 263.671 | 34575.742 | 38851.555 | 24.957 |
| 26.419 | 28.922 | 1.017 | 14.704 |
| 10/15/2016 4:15:00 AM | 195300.000 | 115.678 | 19.238 |
| 263.667 | 34594.465 | 38872.234 | 24.972 |
| 26.433 | 28.906 | 1.017 | 14.700 |
| 10/15/2016 4:30:00 AM | 196200.000 | 115.688 | 19.238 |
| 263.688 | 34583.352 | 38859.887 | 24.963 |
| 26.425 | 28.916 | 1.017 | 14.693 |
| 10/15/2016 4:45:00 AM | 197100.000 | 115.674 | 19.239 |
| 263.656 | 34577.777 | 38852.969 | 24.958 |
| 26.420 | 28.920 | 1.017 | 14.693 |
| 10/15/2016 5:00:00 AM | 198000.000 | 115.667 | 19.238 |
| 263.641 | 34578.164 | 38853.984 | 24.959 |
| 26.421 | 28.920 | 1.017 | 14.697 |
| 10/15/2016 5:15:00 AM | 198900.000 | 115.674 | 19.238 |
| 263.658 | 34580.387 | 38856.773 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.697 |
| 10/15/2016 5:30:00 AM | 199800.000 | 115.670 | 19.238 |
| 263.649 | 34593.031 | 38870.840 | 24.971 |
| 26.432 | 28.908 | 1.017 | 14.701 |
| 10/15/2016 5:45:00 AM | 200700.000 | 115.669 | 19.239 |
| 263.645 | 34608.094 | 38887.395 | 24.983 |
| 26.443 | 28.895 | 1.017 | 14.695 |
| 10/15/2016 6:00:00 AM | 201600.000 | 115.662 | 19.238 |
| 263.630 | 34600.711 | 38879.469 | 24.977 |
| 26.438 | 28.901 | 1.017 | 14.700 |
| 10/15/2016 6:15:00 AM | 202500.000 | 115.661 | 19.238 |
| 263.626 | 34607.152 | 38887.133 | 24.983 |

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| 26.443 | 28.896 | 1.017 | 14.708 |
| 10/15/2016 6:30:00 AM | 203400.000 | 115.667 | 19.238 |
| 263.641 | 34598.535 | 38877.164 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.707 |
| 10/15/2016 6:45:00 AM | 204300.000 | 115.670 | 19.238 |
| 263.647 | 34592.527 | 38870.637 | 24.971 |
| 26.432 | 28.908 | 1.017 | 14.701 |
| 10/15/2016 7:00:00 AM | 205200.000 | 115.668 | 19.238 |
| 263.642 | 34586.082 | 38863.031 | 24.965 |
| 26.427 | 28.913 | 1.017 | 14.705 |
| 10/15/2016 7:15:00 AM | 206100.000 | 115.672 | 19.238 |
| 263.652 | 34611.336 | 38891.117 | 24.985 |
| 26.446 | 28.892 | 1.017 | 14.706 |
| 10/15/2016 7:30:00 AM | 207000.000 | 115.684 | 19.238 |
| 263.679 | 34593.195 | 38871.527 | 24.971 |
| 26.433 | 28.907 | 1.017 | 14.700 |
| 10/15/2016 7:45:00 AM | 207900.000 | 115.682 | 19.238 |
| 263.676 | 34599.305 | 38877.738 | 24.976 |
| 26.437 | 28.902 | 1.017 | 14.702 |
| 10/15/2016 8:00:00 AM | 208800.000 | 115.694 | 19.238 |
| 263.702 | 34614.727 | 38895.066 | 24.988 |
| 26.449 | 28.889 | 1.017 | 14.703 |
| 10/15/2016 8:15:00 AM | 209700.000 | 115.687 | 19.239 |
| 263.685 | 34600.188 | 38878.512 | 24.976 |
| 26.437 | 28.902 | 1.017 | 14.702 |
| 10/15/2016 8:30:00 AM | 210600.000 | 115.710 | 19.239 |
| 263.738 | 34590.691 | 38867.703 | 24.969 |
| 26.430 | 28.910 | 1.017 | 14.698 |
| 10/15/2016 8:45:00 AM | 211500.000 | 115.718 | 19.239 |
| 263.758 | 34580.285 | 38855.711 | 24.960 |
| 26.422 | 28.918 | 1.017 | 14.697 |
| 10/15/2016 9:00:00 AM | 212400.000 | 115.723 | 19.238 |
| 263.769 | 34599.453 | 38878.422 | 24.976 |
| 26.437 | 28.902 | 1.017 | 14.704 |
| 10/15/2016 9:15:00 AM | 213300.000 | 115.751 | 19.238 |
| 263.831 | 34576.926 | 38852.742 | 24.958 |
| 26.420 | 28.921 | 1.017 | 14.704 |
| 10/15/2016 9:30:00 AM | 214200.000 | 115.746 | 19.239 |
| 263.822 | 34607.820 | 38886.727 | 24.982 |
| 26.443 | 28.895 | 1.017 | 14.705 |
| 10/15/2016 9:45:00 AM | 215100.000 | 115.744 | 19.239 |
| 263.815 | 34587.980 | 38864.656 | 24.967 |
| 26.428 | 28.912 | 1.017 | 14.711 |
| 10/15/2016 10:00:00 AM | 216000.000 | 115.750 | 19.238 |
| 263.830 | 34598.895 | 38877.137 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.711 |
| 10/15/2016 10:15:00 AM | 216900.000 | 115.758 | 19.239 |
| 263.847 | 34596.598 | 38873.898 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.711 |
| 10/15/2016 10:30:00 AM | 217800.000 | 115.778 | 19.238 |
| 263.894 | 34598.016 | 38876.512 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.712 |
| 10/15/2016 10:45:00 AM | 218700.000 | 115.787 | 19.239 |
| 263.915 | 34601.836 | 38880.363 | 24.978 |
| 26.439 | 28.900 | 1.017 | 14.710 |

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| 10/15/2016 11:00:00 AM | 219600.000 | 115.792 | 19.239 |
| 263.925 | 34587.461 | 38864.074 | 24.966 |
| 26.428 | 28.912 | 1.017 | 14.709 |
| 10/15/2016 11:15:00 AM | 220500.000 | 115.788 | 19.238 |
| 263.917 | 34585.918 | 38862.988 | 24.965 |
| 26.427 | 28.914 | 1.017 | 14.710 |
| 10/15/2016 11:30:00 AM | 221400.000 | 115.804 | 19.239 |
| 263.953 | 34592.195 | 38869.465 | 24.970 |
| 26.431 | 28.908 | 1.017 | 14.703 |
| 10/15/2016 11:45:00 AM | 222300.000 | 115.802 | 19.240 |
| 263.949 | 34599.121 | 38876.445 | 24.975 |
| 26.436 | 28.902 | 1.017 | 14.699 |
| 10/15/2016 12:00:00 PM | 223200.000 | 115.808 | 19.238 |
| 263.963 | 34583.895 | 38860.496 | 24.964 |
| 26.425 | 28.915 | 1.017 | 14.698 |
| 10/15/2016 12:15:00 PM | 224100.000 | 115.812 | 19.239 |
| 263.972 | 34587.688 | 38863.965 | 24.966 |
| 26.427 | 28.912 | 1.017 | 14.694 |
| 10/15/2016 12:30:00 PM | 225000.000 | 115.831 | 19.238 |
| 264.014 | 34603.414 | 38882.730 | 24.979 |
| 26.440 | 28.899 | 1.017 | 14.693 |
| 10/15/2016 12:45:00 PM | 225900.000 | 115.828 | 19.238 |
| 264.008 | 34611.020 | 38890.977 | 24.985 |
| 26.446 | 28.893 | 1.017 | 14.693 |
| 10/15/2016 1:00:00 PM | 226800.000 | 115.830 | 19.239 |
| 264.012 | 34601.188 | 38879.414 | 24.977 |
| 26.438 | 28.901 | 1.017 | 14.689 |
| 10/15/2016 1:15:00 PM | 227700.000 | 115.824 | 19.239 |
| 263.998 | 34600.492 | 38878.715 | 24.977 |
| 26.438 | 28.901 | 1.017 | 14.677 |
| 10/15/2016 1:30:00 PM | 228600.000 | 115.830 | 19.238 |
| 264.013 | 34605.672 | 38884.828 | 24.981 |
| 26.442 | 28.897 | 1.017 | 14.677 |
| 10/15/2016 1:45:00 PM | 229500.000 | 115.829 | 19.238 |
| 264.011 | 34588.523 | 38865.914 | 24.967 |
| 26.429 | 28.911 | 1.017 | 14.672 |
| 10/15/2016 2:00:00 PM | 230400.000 | 115.820 | 19.238 |
| 263.989 | 34605.172 | 38884.777 | 24.981 |
| 26.442 | 28.897 | 1.017 | 14.670 |
| 10/15/2016 2:15:00 PM | 231300.000 | 115.822 | 19.238 |
| 263.994 | 34592.418 | 38870.074 | 24.970 |
| 26.432 | 28.908 | 1.017 | 14.667 |
| 10/15/2016 2:30:00 PM | 232200.000 | 115.818 | 19.238 |
| 263.984 | 34576.609 | 38852.609 | 24.958 |
| 26.420 | 28.921 | 1.017 | 14.659 |
| 10/15/2016 2:45:00 PM | 233100.000 | 115.830 | 19.239 |
| 264.011 | 34600.621 | 38878.777 | 24.977 |
| 26.438 | 28.901 | 1.017 | 14.651 |
| 10/15/2016 3:00:00 PM | 234000.000 | 115.817 | 19.238 |
| 263.983 | 34587.145 | 38864.297 | 24.966 |
| 26.428 | 28.912 | 1.017 | 14.659 |
| 10/15/2016 3:15:00 PM | 234900.000 | 115.805 | 19.238 |
| 263.956 | 34583.914 | 38860.445 | 24.964 |
| 26.425 | 28.915 | 1.017 | 14.664 |
| 10/15/2016 3:30:00 PM | 235800.000 | 115.798 | 19.238 |

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| 263.939 | 34579.008 | 38855.375 | 24.960 |
| 26.422 | 28.919 | 1.017 | 14.663 |
| 10/15/2016 3:45:00 PM | 236700.000 | 115.790 | 19.237 |
| 263.921 | 34602.645 | 38882.438 | 24.979 |
| 26.440 | 28.900 | 1.017 | 14.660 |
| 10/15/2016 4:00:00 PM | 237600.000 | 115.792 | 19.237 |
| 263.925 | 34590.375 | 38868.438 | 24.969 |
| 26.431 | 28.910 | 1.017 | 14.655 |
| 10/15/2016 4:15:00 PM | 238500.000 | 115.783 | 19.238 |
| 263.905 | 34570.309 | 38845.449 | 24.953 |
| 26.415 | 28.927 | 1.017 | 14.659 |
| 10/15/2016 4:30:00 PM | 239400.000 | 115.773 | 19.238 |
| 263.883 | 34573.090 | 38848.574 | 24.955 |
| 26.417 | 28.924 | 1.017 | 14.669 |
| 10/15/2016 4:45:00 PM | 240300.000 | 115.761 | 19.238 |
| 263.855 | 34594.844 | 38873.172 | 24.973 |
| 26.434 | 28.906 | 1.017 | 14.674 |
| 10/15/2016 5:00:00 PM | 241200.000 | 115.766 | 19.238 |
| 263.866 | 34583.637 | 38860.066 | 24.963 |
| 26.425 | 28.915 | 1.017 | 14.667 |
| 10/15/2016 5:15:00 PM | 242100.000 | 115.746 | 19.237 |
| 263.821 | 34590.230 | 38868.273 | 24.969 |
| 26.430 | 28.910 | 1.017 | 14.668 |
| 10/15/2016 5:30:00 PM | 243000.000 | 115.744 | 19.238 |
| 263.816 | 34577.320 | 38853.551 | 24.959 |
| 26.420 | 28.921 | 1.017 | 14.670 |
| 10/15/2016 5:45:00 PM | 243900.000 | 115.742 | 19.237 |
| 263.812 | 34584.035 | 38861.891 | 24.965 |
| 26.426 | 28.915 | 1.017 | 14.668 |
| 10/15/2016 6:00:00 PM | 244800.000 | 115.733 | 19.239 |
| 263.791 | 34608.805 | 38887.758 | 24.983 |
| 26.444 | 28.894 | 1.017 | 14.664 |
| 10/15/2016 6:15:00 PM | 245700.000 | 115.725 | 19.238 |
| 263.774 | 34596.180 | 38874.672 | 24.974 |
| 26.435 | 28.905 | 1.017 | 14.659 |
| 10/15/2016 6:30:00 PM | 246600.000 | 115.735 | 19.238 |
| 263.796 | 34586.242 | 38863.137 | 24.965 |
| 26.427 | 28.913 | 1.017 | 14.660 |
| 10/15/2016 6:45:00 PM | 247500.000 | 115.729 | 19.237 |
| 263.782 | 34586.586 | 38864.617 | 24.966 |
| 26.428 | 28.913 | 1.017 | 14.663 |
| 10/15/2016 7:00:00 PM | 248400.000 | 115.725 | 19.238 |
| 263.772 | 34588.688 | 38865.742 | 24.967 |
| 26.429 | 28.911 | 1.017 | 14.662 |
| 10/15/2016 7:15:00 PM | 249300.000 | 115.727 | 19.238 |
| 263.777 | 34585.621 | 38862.512 | 24.965 |
| 26.427 | 28.914 | 1.017 | 14.660 |
| 10/15/2016 7:30:00 PM | 250200.000 | 115.729 | 19.238 |
| 263.782 | 34584.605 | 38861.668 | 24.964 |
| 26.426 | 28.915 | 1.017 | 14.655 |
| 10/15/2016 7:45:00 PM | 251100.000 | 115.733 | 19.238 |
| 263.790 | 34605.320 | 38884.355 | 24.981 |
| 26.441 | 28.897 | 1.017 | 14.662 |
| 10/15/2016 8:00:00 PM | 252000.000 | 115.728 | 19.238 |
| 263.781 | 34592.652 | 38870.199 | 24.970 |

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| 26.432 | 28.908 | 1.017 | 14.667 |
| 10/15/2016 8:15:00 PM | 252900.000 | 115.719 | 19.237 |
| 263.758 | 34615.574 | 38896.750 | 24.989 |
| 26.450 | 28.889 | 1.017 | 14.666 |
| 10/15/2016 8:30:00 PM | 253800.000 | 115.733 | 19.238 |
| 263.792 | 34598.453 | 38877.227 | 24.975 |
| 26.437 | 28.903 | 1.017 | 14.670 |
| 10/15/2016 8:45:00 PM | 254700.000 | 115.744 | 19.238 |
| 263.816 | 34598.684 | 38877.555 | 24.976 |
| 26.437 | 28.903 | 1.017 | 14.663 |
| 10/15/2016 9:00:00 PM | 255600.000 | 115.740 | 19.238 |
| 263.807 | 34611.766 | 38891.891 | 24.986 |
| 26.446 | 28.892 | 1.017 | 14.672 |
| 10/15/2016 9:15:00 PM | 256500.000 | 115.752 | 19.238 |
| 263.834 | 34607.051 | 38886.734 | 24.982 |
| 26.443 | 28.896 | 1.017 | 14.670 |
| 10/15/2016 9:30:00 PM | 257400.000 | 115.759 | 19.239 |
| 263.851 | 34597.930 | 38875.754 | 24.974 |
| 26.436 | 28.903 | 1.017 | 14.664 |
| 10/15/2016 9:45:00 PM | 258300.000 | 115.777 | 19.238 |
| 263.891 | 34574.668 | 38849.914 | 24.956 |
| 26.418 | 28.923 | 1.017 | 14.669 |
| 10/15/2016 10:00:00 PM | 259200.000 | 115.764 | 19.238 |
| 263.861 | 34607.113 | 38886.805 | 24.982 |
| 26.443 | 28.896 | 1.017 | 14.679 |
| 10/15/2016 10:15:00 PM | 260100.000 | 115.787 | 19.238 |
| 263.914 | 34590.984 | 38868.250 | 24.969 |
| 26.430 | 28.909 | 1.017 | 14.672 |
| 10/15/2016 10:30:00 PM | 261000.000 | 115.792 | 19.238 |
| 263.925 | 34591.945 | 38869.844 | 24.970 |
| 26.431 | 28.908 | 1.017 | 14.669 |
| 10/15/2016 10:45:00 PM | 261900.000 | 115.803 | 19.238 |
| 263.951 | 34589.980 | 38867.551 | 24.969 |
| 26.430 | 28.910 | 1.017 | 14.672 |
| 10/15/2016 11:00:00 PM | 262800.000 | 115.819 | 19.238 |
| 263.987 | 34593.234 | 38870.992 | 24.971 |
| 26.432 | 28.907 | 1.017 | 14.670 |
| 10/15/2016 11:15:00 PM | 263700.000 | 115.817 | 19.239 |
| 263.983 | 34592.738 | 38870.004 | 24.970 |
| 26.432 | 28.908 | 1.017 | 14.671 |
| 10/15/2016 11:30:00 PM | 264600.000 | 115.817 | 19.238 |
| 263.984 | 34575.844 | 38851.375 | 24.957 |
| 26.419 | 28.922 | 1.017 | 14.675 |
| 10/15/2016 11:45:00 PM | 265500.000 | 115.824 | 19.238 |
| 263.999 | 34593.273 | 38871.254 | 24.971 |
| 26.432 | 28.907 | 1.017 | 14.677 |
| 10/16/2016 12:00:00 AM | 266400.000 | 115.823 | 19.237 |
| 263.996 | 34599.852 | 38879.602 | 24.977 |
| 26.438 | 28.902 | 1.017 | 14.678 |
| 10/16/2016 12:15:00 AM | 267300.000 | 115.834 | 19.239 |
| 264.022 | 34620.828 | 38901.566 | 24.993 |
| 26.453 | 28.884 | 1.017 | 14.677 |
| 10/16/2016 12:30:00 AM | 268200.000 | 115.838 | 19.239 |
| 264.031 | 34589.023 | 38865.828 | 24.967 |
| 26.429 | 28.911 | 1.017 | 14.681 |

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| 10/16/2016 12:45:00 AM | 269100.000 | 115.841 | 19.238 |
| 264.038 | 34588.688 | 38866.027 | 24.968 |
| 26.429 | 28.911 | 1.017 | 14.684 |
| 10/16/2016 1:00:00 AM | 270000.000 | 115.845 | 19.238 |
| 264.046 | 34588.543 | 38865.938 | 24.967 |
| 26.429 | 28.911 | 1.017 | 14.683 |
| 10/16/2016 1:15:00 AM | 270900.000 | 115.839 | 19.238 |
| 264.033 | 34616.473 | 38897.605 | 24.990 |
| 26.450 | 28.888 | 1.017 | 14.680 |
| 10/16/2016 1:30:00 AM | 271800.000 | 115.852 | 19.238 |
| 264.062 | 34602.602 | 38881.887 | 24.979 |
| 26.440 | 28.900 | 1.017 | 14.682 |
| 10/16/2016 1:45:00 AM | 272700.000 | 115.856 | 19.239 |
| 264.071 | 34572.785 | 38847.219 | 24.954 |
| 26.416 | 28.924 | 1.017 | 14.682 |
| 10/16/2016 2:00:00 AM | 273600.000 | 115.840 | 19.238 |
| 264.036 | 34613.969 | 38894.367 | 24.988 |
| 26.448 | 28.890 | 1.017 | 14.686 |
| 10/16/2016 2:15:00 AM | 274500.000 | 115.847 | 19.238 |
| 264.051 | 34605.172 | 38884.480 | 24.981 |
| 26.441 | 28.897 | 1.017 | 14.684 |
| 10/16/2016 2:30:00 AM | 275400.000 | 115.847 | 19.238 |
| 264.050 | 34625.473 | 38907.078 | 24.997 |
| 26.457 | 28.880 | 1.017 | 14.682 |
| 10/16/2016 2:45:00 AM | 276300.000 | 115.835 | 19.238 |
| 264.024 | 34589.000 | 38866.535 | 24.968 |
| 26.429 | 28.911 | 1.017 | 14.684 |
| 10/16/2016 3:00:00 AM | 277200.000 | 115.848 | 19.239 |
| 264.053 | 34598.328 | 38876.355 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.678 |
| 10/16/2016 3:15:00 AM | 278100.000 | 115.838 | 19.239 |
| 264.031 | 34592.418 | 38869.645 | 24.970 |
| 26.431 | 28.908 | 1.017 | 14.681 |
| 10/16/2016 3:30:00 AM | 279000.000 | 115.846 | 19.238 |
| 264.049 | 34583.996 | 38860.828 | 24.964 |
| 26.425 | 28.915 | 1.017 | 14.673 |
| 10/16/2016 3:45:00 AM | 279900.000 | 115.842 | 19.239 |
| 264.040 | 34584.203 | 38860.551 | 24.964 |
| 26.425 | 28.915 | 1.017 | 14.673 |
| 10/16/2016 4:00:00 AM | 280800.000 | 115.842 | 19.237 |
| 264.040 | 34573.859 | 38850.457 | 24.956 |
| 26.418 | 28.924 | 1.017 | 14.674 |
| 10/16/2016 4:15:00 AM | 281700.000 | 115.834 | 19.239 |
| 264.021 | 34581.227 | 38857.207 | 24.961 |
| 26.423 | 28.917 | 1.017 | 14.674 |
| 10/16/2016 4:30:00 AM | 282600.000 | 115.833 | 19.238 |
| 264.018 | 34579.680 | 38856.133 | 24.960 |
| 26.422 | 28.919 | 1.017 | 14.668 |
| 10/16/2016 4:45:00 AM | 283500.000 | 115.831 | 19.238 |
| 264.016 | 34594.445 | 38872.211 | 24.972 |
| 26.433 | 28.906 | 1.017 | 14.672 |
| 10/16/2016 5:00:00 AM | 284400.000 | 115.827 | 19.238 |
| 264.005 | 34563.922 | 38838.496 | 24.948 |
| 26.410 | 28.932 | 1.017 | 14.672 |
| 10/16/2016 5:15:00 AM | 285300.000 | 115.820 | 19.238 |

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|---|---|---|---|
| 263.989 | 34570.004 | 38845.258 | 24.953 |
| 26.415 | 28.927 | 1.017 | 14.673 |
| 10/16/2016 5:30:00 AM | 286200.000 | 115.819 | 19.238 |
| 263.988 | 34583.563 | 38859.910 | 24.963 |
| 26.425 | 28.915 | 1.017 | 14.669 |
| 10/16/2016 5:45:00 AM | 287100.000 | 115.813 | 19.238 |
| 263.973 | 34579.531 | 38856.098 | 24.960 |
| 26.422 | 28.919 | 1.017 | 14.677 |
| 10/16/2016 6:00:00 AM | 288000.000 | 115.820 | 19.238 |
| 263.989 | 34569.836 | 38845.070 | 24.953 |
| 26.415 | 28.927 | 1.017 | 14.669 |
| 10/16/2016 6:15:00 AM | 288900.000 | 115.808 | 19.238 |
| 263.962 | 34580.180 | 38856.691 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.668 |
| 10/16/2016 6:30:00 AM | 289800.000 | 115.810 | 19.240 |
| 263.968 | 34585.746 | 38861.414 | 24.964 |
| 26.426 | 28.914 | 1.017 | 14.668 |
| 10/16/2016 6:45:00 AM | 290700.000 | 115.802 | 19.238 |
| 263.948 | 34585.707 | 38862.535 | 24.965 |
| 26.427 | 28.914 | 1.017 | 14.675 |
| 10/16/2016 7:00:00 AM | 291600.000 | 115.809 | 19.239 |
| 263.965 | 34592.527 | 38869.836 | 24.970 |
| 26.431 | 28.908 | 1.017 | 14.667 |
| 10/16/2016 7:15:00 AM | 292500.000 | 115.810 | 19.238 |
| 263.967 | 34602.000 | 38880.918 | 24.978 |
| 26.439 | 28.900 | 1.017 | 14.671 |
| 10/16/2016 7:30:00 AM | 293400.000 | 115.820 | 19.239 |
| 263.990 | 34600.789 | 38879.051 | 24.977 |
| 26.438 | 28.901 | 1.017 | 14.669 |
| 10/16/2016 7:45:00 AM | 294300.000 | 115.834 | 19.237 |
| 264.021 | 34568.094 | 38843.535 | 24.952 |
| 26.414 | 28.928 | 1.017 | 14.666 |
| 10/16/2016 8:00:00 AM | 295200.000 | 115.837 | 19.238 |
| 264.027 | 34584.520 | 38861.348 | 24.964 |
| 26.426 | 28.915 | 1.017 | 14.662 |
| 10/16/2016 8:15:00 AM | 296100.000 | 115.840 | 19.239 |
| 264.035 | 34585.586 | 38862.105 | 24.965 |
| 26.426 | 28.914 | 1.017 | 14.661 |
| 10/16/2016 8:30:00 AM | 297000.000 | 115.851 | 19.238 |
| 264.060 | 34580.766 | 38857.422 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.667 |
| 10/16/2016 8:45:00 AM | 297900.000 | 115.858 | 19.238 |
| 264.077 | 34591.086 | 38868.578 | 24.969 |
| 26.431 | 28.909 | 1.017 | 14.668 |
| 10/16/2016 9:00:00 AM | 298800.000 | 115.867 | 19.239 |
| 264.098 | 34587.688 | 38864.398 | 24.966 |
| 26.428 | 28.912 | 1.017 | 14.662 |
| 10/16/2016 9:15:00 AM | 299700.000 | 115.877 | 19.238 |
| 264.121 | 34601.043 | 38879.691 | 24.977 |
| 26.438 | 28.901 | 1.017 | 14.661 |
| 10/16/2016 9:30:00 AM | 300600.000 | 115.879 | 19.237 |
| 264.124 | 34589.961 | 38868.262 | 24.969 |
| 26.430 | 28.910 | 1.017 | 14.664 |
| 10/16/2016 9:45:00 AM | 301500.000 | 115.896 | 19.238 |
| 264.162 | 34592.125 | 38869.746 | 24.970 |

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| 26.431 | 28.908 | 1.017 | 14.663 |
| 10/16/2016 10:00:00 AM | 302400.000 | 115.896 | 19.238 |
| 264.163 | 34598.703 | 38876.996 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.664 |
| 10/16/2016 10:15:00 AM | 303300.000 | 115.908 | 19.238 |
| 264.191 | 34593.887 | 38871.871 | 24.972 |
| 26.433 | 28.907 | 1.017 | 14.665 |
| 10/16/2016 10:30:00 AM | 304200.000 | 115.918 | 19.238 |
| 264.213 | 34609.430 | 38889.406 | 24.984 |
| 26.445 | 28.894 | 1.017 | 14.660 |
| 10/16/2016 10:45:00 AM | 305100.000 | 115.935 | 19.239 |
| 264.251 | 34594.344 | 38871.367 | 24.971 |
| 26.433 | 28.906 | 1.017 | 14.659 |
| 10/16/2016 11:00:00 AM | 306000.000 | 115.946 | 19.238 |
| 264.277 | 34600.707 | 38879.172 | 24.977 |
| 26.438 | 28.901 | 1.017 | 14.660 |
| 10/16/2016 11:15:00 AM | 306900.000 | 115.961 | 19.238 |
| 264.311 | 34585.332 | 38862.039 | 24.965 |
| 26.426 | 28.914 | 1.017 | 14.658 |
| 10/16/2016 11:30:00 AM | 307800.000 | 115.956 | 19.238 |
| 264.299 | 34595.594 | 38873.426 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.658 |
| 10/16/2016 11:45:00 AM | 308700.000 | 115.969 | 19.239 |
| 264.329 | 34581.852 | 38857.840 | 24.962 |
| 26.423 | 28.917 | 1.017 | 14.659 |
| 10/16/2016 12:00:00 PM | 309600.000 | 115.976 | 19.239 |
| 264.345 | 34600.688 | 38878.637 | 24.977 |
| 26.437 | 28.901 | 1.017 | 14.652 |
| 10/16/2016 12:15:00 PM | 310500.000 | 115.981 | 19.238 |
| 264.357 | 34600.871 | 38880.016 | 24.977 |
| 26.438 | 28.901 | 1.017 | 14.647 |
| 10/16/2016 12:30:00 PM | 311400.000 | 115.994 | 19.238 |
| 264.386 | 34584.809 | 38861.742 | 24.964 |
| 26.426 | 28.914 | 1.017 | 14.652 |
| 10/16/2016 12:45:00 PM | 312300.000 | 115.991 | 19.239 |
| 264.379 | 34588.715 | 38865.621 | 24.967 |
| 26.429 | 28.911 | 1.017 | 14.653 |
| 10/16/2016 1:00:00 PM | 313200.000 | 116.001 | 19.238 |
| 264.401 | 34596.992 | 38875.516 | 24.974 |
| 26.435 | 28.904 | 1.017 | 14.652 |
| 10/16/2016 1:15:00 PM | 314100.000 | 115.998 | 19.238 |
| 264.396 | 34586.480 | 38863.980 | 24.966 |
| 26.428 | 28.913 | 1.017 | 14.645 |
| 10/16/2016 1:30:00 PM | 315000.000 | 115.995 | 19.239 |
| 264.388 | 34579.785 | 38855.449 | 24.960 |
| 26.422 | 28.919 | 1.017 | 14.654 |
| 10/16/2016 1:45:00 PM | 315900.000 | 116.002 | 19.238 |
| 264.403 | 34569.566 | 38844.898 | 24.952 |
| 26.415 | 28.927 | 1.017 | 14.641 |
| 10/16/2016 2:00:00 PM | 316800.000 | 116.005 | 19.238 |
| 264.412 | 34591.445 | 38869.059 | 24.970 |
| 26.431 | 28.909 | 1.017 | 14.636 |
| 10/16/2016 2:15:00 PM | 317700.000 | 116.000 | 19.238 |
| 264.399 | 34596.113 | 38874.445 | 24.974 |
| 26.435 | 28.905 | 1.017 | 14.632 |

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|---|---|---|---|
| 10/16/2016 2:30:00 PM | 318600.000 | 115.995 | 19.238 |
| 264.389 | 34590.004 | 38867.289 | 24.968 |
| 26.430 | 28.910 | 1.017 | 14.630 |
| 10/16/2016 2:45:00 PM | 319500.000 | 115.992 | 19.237 |
| 264.380 | 34602.625 | 38882.418 | 24.979 |
| 26.440 | 28.900 | 1.017 | 14.636 |
| 10/16/2016 3:00:00 PM | 320400.000 | 116.003 | 19.238 |
| 264.408 | 34568.152 | 38842.953 | 24.951 |
| 26.413 | 28.928 | 1.017 | 14.631 |
| 10/16/2016 3:15:00 PM | 321300.000 | 115.986 | 19.239 |
| 264.368 | 34617.531 | 38897.352 | 24.990 |
| 26.450 | 28.887 | 1.017 | 14.638 |
| 10/16/2016 3:30:00 PM | 322200.000 | 115.984 | 19.239 |
| 264.363 | 34584.242 | 38860.305 | 24.963 |
| 26.425 | 28.915 | 1.017 | 14.633 |
| 10/16/2016 3:45:00 PM | 323100.000 | 115.976 | 19.238 |
| 264.344 | 34585.918 | 38863.070 | 24.965 |
| 26.427 | 28.914 | 1.017 | 14.635 |
| 10/16/2016 4:00:00 PM | 324000.000 | 115.981 | 19.239 |
| 264.357 | 34602.250 | 38880.828 | 24.978 |
| 26.439 | 28.900 | 1.017 | 14.631 |
| 10/16/2016 4:15:00 PM | 324900.000 | 115.957 | 19.238 |
| 264.301 | 34585.371 | 38862.234 | 24.965 |
| 26.426 | 28.914 | 1.017 | 14.635 |
| 10/16/2016 4:30:00 PM | 325800.000 | 115.955 | 19.238 |
| 264.297 | 34580.680 | 38857.387 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.639 |
| 10/16/2016 4:45:00 PM | 326700.000 | 115.935 | 19.239 |
| 264.251 | 34580.488 | 38856.309 | 24.961 |
| 26.422 | 28.918 | 1.017 | 14.639 |
| 10/16/2016 5:00:00 PM | 327600.000 | 115.941 | 19.238 |
| 264.266 | 34587.266 | 38864.586 | 24.966 |
| 26.428 | 28.912 | 1.017 | 14.639 |
| 10/16/2016 5:15:00 PM | 328500.000 | 115.922 | 19.239 |
| 264.221 | 34589.484 | 38866.191 | 24.968 |
| 26.429 | 28.911 | 1.017 | 14.644 |
| 10/16/2016 5:30:00 PM | 329400.000 | 115.917 | 19.238 |
| 264.210 | 34609.348 | 38889.316 | 24.984 |
| 26.445 | 28.894 | 1.017 | 14.652 |
| 10/16/2016 5:45:00 PM | 330300.000 | 115.914 | 19.238 |
| 264.204 | 34577.262 | 38852.969 | 24.958 |
| 26.420 | 28.921 | 1.017 | 14.652 |
| 10/16/2016 6:00:00 PM | 331200.000 | 115.902 | 19.237 |
| 264.176 | 34577.113 | 38853.672 | 24.959 |
| 26.420 | 28.921 | 1.017 | 14.649 |
| 10/16/2016 6:15:00 PM | 332100.000 | 115.889 | 19.238 |
| 264.147 | 34599.223 | 38878.301 | 24.976 |
| 26.437 | 28.902 | 1.017 | 14.653 |
| 10/16/2016 6:30:00 PM | 333000.000 | 115.897 | 19.239 |
| 264.165 | 34596.297 | 38874.000 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.652 |
| 10/16/2016 6:45:00 PM | 333900.000 | 115.884 | 19.238 |
| 264.136 | 34576.883 | 38852.402 | 24.958 |
| 26.420 | 28.921 | 1.017 | 14.654 |
| 10/16/2016 7:00:00 PM | 334800.000 | 115.867 | 19.238 |

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| 264.098 | 34586.582 | 38864.020 | 24.966 |
| 26.428 | 28.913 | 1.017 | 14.657 |
| 10/16/2016 7:15:00 PM | 335700.000 | 115.869 | 19.238 |
| 264.102 | 34588.938 | 38866.465 | 24.968 |
| 26.429 | 28.911 | 1.017 | 14.651 |
| 10/16/2016 7:30:00 PM | 336600.000 | 115.875 | 19.237 |
| 264.115 | 34578.965 | 38855.832 | 24.960 |
| 26.422 | 28.919 | 1.017 | 14.656 |
| 10/16/2016 7:45:00 PM | 337500.000 | 115.865 | 19.238 |
| 264.092 | 34584.078 | 38861.145 | 24.964 |
| 26.426 | 28.915 | 1.017 | 14.665 |
| 10/16/2016 8:00:00 PM | 338400.000 | 115.872 | 19.238 |
| 264.109 | 34574.172 | 38849.789 | 24.956 |
| 26.418 | 28.923 | 1.017 | 14.652 |
| 10/16/2016 8:15:00 PM | 339300.000 | 115.869 | 19.239 |
| 264.101 | 34613.566 | 38893.543 | 24.987 |
| 26.448 | 28.890 | 1.017 | 14.650 |
| 10/16/2016 8:30:00 PM | 340200.000 | 115.873 | 19.238 |
| 264.109 | 34584.703 | 38861.266 | 24.964 |
| 26.426 | 28.915 | 1.017 | 14.661 |
| 10/16/2016 8:45:00 PM | 341100.000 | 115.871 | 19.238 |
| 264.107 | 34571.363 | 38846.715 | 24.954 |
| 26.416 | 28.926 | 1.017 | 14.659 |
| 10/16/2016 9:00:00 PM | 342000.000 | 115.872 | 19.238 |
| 264.108 | 34583.738 | 38860.398 | 24.964 |
| 26.425 | 28.915 | 1.017 | 14.661 |
| 10/16/2016 9:15:00 PM | 342900.000 | 115.872 | 19.237 |
| 264.109 | 34589.141 | 38867.047 | 24.968 |
| 26.430 | 28.911 | 1.017 | 14.658 |
| 10/16/2016 9:30:00 PM | 343800.000 | 115.883 | 19.238 |
| 264.133 | 34598.367 | 38876.906 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.662 |
| 10/16/2016 9:45:00 PM | 344700.000 | 115.877 | 19.238 |
| 264.120 | 34574.090 | 38849.406 | 24.956 |
| 26.418 | 28.923 | 1.017 | 14.667 |
| 10/16/2016 10:00:00 PM | 345600.000 | 115.887 | 19.237 |
| 264.141 | 34586.102 | 38863.633 | 24.966 |
| 26.427 | 28.913 | 1.017 | 14.672 |
| 10/16/2016 10:15:00 PM | 346500.000 | 115.886 | 19.239 |
| 264.141 | 34589.977 | 38866.535 | 24.968 |
| 26.429 | 28.910 | 1.017 | 14.672 |
| 10/16/2016 10:30:00 PM | 347400.000 | 115.905 | 19.238 |
| 264.182 | 34597.508 | 38876.164 | 24.975 |
| 26.436 | 28.904 | 1.017 | 14.664 |
| 10/16/2016 10:45:00 PM | 348300.000 | 115.914 | 19.238 |
| 264.203 | 34582.582 | 38858.949 | 24.962 |
| 26.424 | 28.916 | 1.017 | 14.674 |
| 10/16/2016 11:00:00 PM | 349200.000 | 115.910 | 19.238 |
| 264.195 | 34590.227 | 38868.117 | 24.969 |
| 26.430 | 28.910 | 1.017 | 14.677 |
| 10/16/2016 11:15:00 PM | 350100.000 | 115.917 | 19.238 |
| 264.211 | 34580.180 | 38856.621 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.677 |
| 10/16/2016 11:30:00 PM | 351000.000 | 115.921 | 19.238 |
| 264.219 | 34580.734 | 38857.523 | 24.961 |

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| 26.423 | 28.918 | 1.017 | 14.682 |
| 10/16/2016 11:45:00 PM | 351900.000 | 115.922 | 19.238 |
| 264.223 | 34596.531 | 38875.066 | 24.974 |
| 26.435 | 28.905 | 1.017 | 14.678 |
| 10/17/2016 12:00:00 AM | 352800.000 | 115.936 | 19.238 |
| 264.254 | 34590.672 | 38868.617 | 24.969 |
| 26.431 | 28.910 | 1.017 | 14.680 |
| 10/17/2016 12:15:00 AM | 353700.000 | 115.954 | 19.238 |
| 264.295 | 34596.469 | 38874.551 | 24.974 |
| 26.435 | 28.905 | 1.017 | 14.676 |
| 10/17/2016 12:30:00 AM | 354600.000 | 115.944 | 19.238 |
| 264.272 | 34611.164 | 38891.719 | 24.986 |
| 26.446 | 28.892 | 1.017 | 14.687 |
| 10/17/2016 12:45:00 AM | 355500.000 | 115.965 | 19.239 |
| 264.321 | 34587.418 | 38863.871 | 24.966 |
| 26.427 | 28.912 | 1.017 | 14.689 |
| 10/17/2016 1:00:00 AM | 356400.000 | 115.953 | 19.238 |
| 264.292 | 34592.676 | 38870.363 | 24.971 |
| 26.432 | 28.908 | 1.017 | 14.700 |
| 10/17/2016 1:15:00 AM | 357300.000 | 115.969 | 19.238 |
| 264.330 | 34588.938 | 38866.465 | 24.968 |
| 26.429 | 28.911 | 1.017 | 14.699 |
| 10/17/2016 1:30:00 AM | 358200.000 | 115.973 | 19.238 |
| 264.339 | 34604.023 | 38883.484 | 24.980 |
| 26.441 | 28.898 | 1.017 | 14.701 |
| 10/17/2016 1:45:00 AM | 359100.000 | 115.974 | 19.238 |
| 264.342 | 34562.488 | 38836.742 | 24.947 |
| 26.409 | 28.933 | 1.017 | 14.700 |
| 10/17/2016 2:00:00 AM | 360000.000 | 115.973 | 19.238 |
| 264.338 | 34587.586 | 38864.793 | 24.967 |
| 26.428 | 28.912 | 1.017 | 14.707 |
| 10/17/2016 2:15:00 AM | 360900.000 | 115.988 | 19.238 |
| 264.372 | 34572.281 | 38847.371 | 24.954 |
| 26.416 | 28.925 | 1.017 | 14.703 |
| 10/17/2016 2:30:00 AM | 361800.000 | 115.976 | 19.239 |
| 264.346 | 34569.777 | 38844.121 | 24.952 |
| 26.414 | 28.927 | 1.017 | 14.709 |
| 10/17/2016 2:45:00 AM | 362700.000 | 115.971 | 19.238 |
| 264.335 | 34580.051 | 38856.102 | 24.960 |
| 26.422 | 28.918 | 1.017 | 14.707 |
| 10/17/2016 3:00:00 AM | 363600.000 | 115.976 | 19.238 |
| 264.345 | 34597.160 | 38875.551 | 24.974 |
| 26.435 | 28.904 | 1.017 | 14.709 |
| 10/17/2016 3:15:00 AM | 364500.000 | 115.986 | 19.237 |
| 264.367 | 34585.078 | 38862.484 | 24.965 |
| 26.426 | 28.914 | 1.017 | 14.705 |
| 10/17/2016 3:30:00 AM | 365400.000 | 115.983 | 19.238 |
| 264.361 | 34574.117 | 38850.090 | 24.956 |
| 26.418 | 28.923 | 1.017 | 14.710 |
| 10/17/2016 3:45:00 AM | 366300.000 | 115.975 | 19.238 |
| 264.342 | 34582.141 | 38858.453 | 24.962 |
| 26.424 | 28.917 | 1.017 | 14.709 |
| 10/17/2016 4:00:00 AM | 367200.000 | 115.976 | 19.238 |
| 264.345 | 34596.973 | 38874.977 | 24.974 |
| 26.435 | 28.904 | 1.017 | 14.709 |

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| 10/17/2016 4:15:00 AM | 368100.000 | 115.966 | 19.238 |
| 264.321 | 34601.145 | 38880.180 | 24.978 |
| 26.439 | 28.901 | 1.017 | 14.714 |
| 10/17/2016 4:30:00 AM | 369000.000 | 115.973 | 19.238 |
| 264.337 | 34606.383 | 38886.344 | 24.982 |
| 26.443 | 28.896 | 1.017 | 14.713 |
| 10/17/2016 4:45:00 AM | 369900.000 | 115.971 | 19.239 |
| 264.334 | 34593.320 | 38870.504 | 24.971 |
| 26.432 | 28.907 | 1.017 | 14.708 |
| 10/17/2016 5:00:00 AM | 370800.000 | 115.956 | 19.238 |
| 264.299 | 34588.379 | 38865.977 | 24.967 |
| 26.429 | 28.911 | 1.017 | 14.721 |
| 10/17/2016 5:15:00 AM | 371700.000 | 115.964 | 19.238 |
| 264.317 | 34591.902 | 38869.496 | 24.970 |
| 26.431 | 28.909 | 1.017 | 14.716 |
| 10/17/2016 5:30:00 AM | 372600.000 | 115.949 | 19.238 |
| 264.284 | 34601.793 | 38880.980 | 24.978 |
| 26.439 | 28.900 | 1.017 | 14.724 |
| 10/17/2016 5:45:00 AM | 373500.000 | 115.948 | 19.237 |
| 264.280 | 34582.973 | 38860.254 | 24.963 |
| 26.425 | 28.916 | 1.017 | 14.729 |
| 10/17/2016 6:00:00 AM | 374400.000 | 115.946 | 19.238 |
| 264.277 | 34592.047 | 38870.234 | 24.970 |
| 26.432 | 28.908 | 1.017 | 14.726 |
| 10/17/2016 6:15:00 AM | 375300.000 | 115.949 | 19.238 |
| 264.283 | 34579.008 | 38855.586 | 24.960 |
| 26.422 | 28.919 | 1.017 | 14.728 |
| 10/17/2016 6:30:00 AM | 376200.000 | 115.948 | 19.238 |
| 264.281 | 34576.988 | 38852.660 | 24.958 |
| 26.420 | 28.921 | 1.017 | 14.729 |
| 10/17/2016 6:45:00 AM | 377100.000 | 115.937 | 19.238 |
| 264.256 | 34582.852 | 38859.828 | 24.963 |
| 26.425 | 28.916 | 1.017 | 14.737 |
| 10/17/2016 7:00:00 AM | 378000.000 | 115.948 | 19.238 |
| 264.282 | 34564.422 | 38838.691 | 24.948 |
| 26.410 | 28.931 | 1.017 | 14.731 |
| 10/17/2016 7:15:00 AM | 378900.000 | 115.943 | 19.238 |
| 264.269 | 34599.977 | 38879.148 | 24.977 |
| 26.438 | 28.902 | 1.017 | 14.740 |
| 10/17/2016 7:30:00 AM | 379800.000 | 115.943 | 19.238 |
| 264.270 | 34593.844 | 38872.180 | 24.972 |
| 26.433 | 28.907 | 1.017 | 14.736 |
| 10/17/2016 7:45:00 AM | 380700.000 | 115.945 | 19.237 |
| 264.275 | 34587.188 | 38864.992 | 24.967 |
| 26.428 | 28.912 | 1.017 | 14.740 |
| 10/17/2016 8:00:00 AM | 381600.000 | 115.946 | 19.239 |
| 264.277 | 34591.375 | 38868.543 | 24.969 |
| 26.431 | 28.909 | 1.017 | 14.745 |
| 10/17/2016 8:15:00 AM | 382500.000 | 115.943 | 19.237 |
| 264.270 | 34580.051 | 38856.836 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.748 |
| 10/17/2016 8:30:00 AM | 383400.000 | 115.955 | 19.238 |
| 264.297 | 34597.012 | 38875.738 | 24.974 |
| 26.436 | 28.904 | 1.017 | 14.750 |
| 10/17/2016 8:45:00 AM | 384300.000 | 115.942 | 19.237 |

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|---|---|---|---|
| 264.268 | 34584.449 | 38861.992 | 24.965 |
| 26.426 | 28.915 | 1.017 | 14.755 |
| 10/17/2016 9:00:00 AM | 385200.000 | 115.983 | 19.238 |
| 264.361 | 34588.355 | 38865.586 | 24.967 |
| 26.429 | 28.911 | 1.017 | 14.757 |
| 10/17/2016 9:15:00 AM | 386100.000 | 115.973 | 19.237 |
| 264.339 | 34592.027 | 38870.293 | 24.971 |
| 26.432 | 28.908 | 1.017 | 14.759 |
| 10/17/2016 9:30:00 AM | 387000.000 | 115.972 | 19.238 |
| 264.337 | 34589.859 | 38867.059 | 24.968 |
| 26.430 | 28.910 | 1.017 | 14.755 |
| 10/17/2016 9:45:00 AM | 387900.000 | 115.973 | 19.238 |
| 264.339 | 34591.883 | 38869.258 | 24.970 |
| 26.431 | 28.909 | 1.017 | 14.759 |
| 10/17/2016 10:00:00 AM | 388800.000 | 115.990 | 19.239 |
| 264.376 | 34589.977 | 38866.676 | 24.968 |
| 26.429 | 28.910 | 1.017 | 14.758 |
| 10/17/2016 10:15:00 AM | 389700.000 | 115.994 | 19.238 |
| 264.387 | 34595.973 | 38873.930 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.760 |
| 10/17/2016 10:30:00 AM | 390600.000 | 116.012 | 19.239 |
| 264.427 | 34596.449 | 38874.172 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.761 |
| 10/17/2016 10:45:00 AM | 391500.000 | 116.016 | 19.238 |
| 264.436 | 34577.863 | 38854.223 | 24.959 |
| 26.421 | 28.920 | 1.017 | 14.766 |
| 10/17/2016 11:00:00 AM | 392400.000 | 116.025 | 19.239 |
| 264.457 | 34588.523 | 38865.406 | 24.967 |
| 26.428 | 28.911 | 1.017 | 14.757 |
| 10/17/2016 11:15:00 AM | 393300.000 | 116.027 | 19.238 |
| 264.461 | 34599.730 | 38878.660 | 24.976 |
| 26.437 | 28.902 | 1.017 | 14.766 |
| 10/17/2016 11:30:00 AM | 394200.000 | 116.040 | 19.238 |
| 264.491 | 34576.426 | 38852.250 | 24.958 |
| 26.420 | 28.921 | 1.017 | 14.767 |
| 10/17/2016 11:45:00 AM | 395100.000 | 116.050 | 19.238 |
| 264.515 | 34591.820 | 38869.773 | 24.970 |
| 26.431 | 28.909 | 1.017 | 14.757 |
| 10/17/2016 12:00:00 PM | 396000.000 | 116.058 | 19.239 |
| 264.532 | 34586.121 | 38862.414 | 24.965 |
| 26.426 | 28.913 | 1.017 | 14.766 |
| 10/17/2016 12:15:00 PM | 396900.000 | 116.073 | 19.238 |
| 264.566 | 34578.699 | 38854.805 | 24.960 |
| 26.421 | 28.920 | 1.017 | 14.760 |
| 10/17/2016 12:30:00 PM | 397800.000 | 116.075 | 19.238 |
| 264.570 | 34580.574 | 38857.137 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.761 |
| 10/17/2016 12:45:00 PM | 398700.000 | 116.084 | 19.239 |
| 264.592 | 34593.273 | 38870.742 | 24.971 |
| 26.432 | 28.907 | 1.017 | 14.765 |
| 10/17/2016 1:00:00 PM | 399600.000 | 116.097 | 19.238 |
| 264.620 | 34594.176 | 38872.352 | 24.972 |
| 26.433 | 28.907 | 1.017 | 14.761 |
| 10/17/2016 1:15:00 PM | 400500.000 | 116.089 | 19.238 |
| 264.604 | 34582.453 | 38859.246 | 24.963 |

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| 26.424 | 28.916 | 1.017 | 14.760 |
| 10/17/2016 1:30:00 PM | 401400.000 | 116.103 | 19.238 |
| 264.634 | 34564.781 | 38839.320 | 24.949 |
| 26.411 | 28.931 | 1.017 | 14.755 |
| 10/17/2016 1:45:00 PM | 402300.000 | 116.101 | 19.238 |
| 264.629 | 34581.488 | 38857.871 | 24.962 |
| 26.423 | 28.917 | 1.017 | 14.753 |
| 10/17/2016 2:00:00 PM | 403200.000 | 116.111 | 19.237 |
| 264.652 | 34592.465 | 38870.785 | 24.971 |
| 26.432 | 28.908 | 1.017 | 14.751 |
| 10/17/2016 2:15:00 PM | 404100.000 | 116.132 | 19.238 |
| 264.700 | 34581.156 | 38857.859 | 24.962 |
| 26.423 | 28.917 | 1.017 | 14.756 |
| 10/17/2016 2:30:00 PM | 405000.000 | 116.097 | 19.238 |
| 264.621 | 34602.250 | 38881.199 | 24.978 |
| 26.439 | 28.900 | 1.017 | 14.755 |
| 10/17/2016 2:45:00 PM | 405900.000 | 116.093 | 19.238 |
| 264.613 | 34588.227 | 38865.441 | 24.967 |
| 26.429 | 28.912 | 1.017 | 14.756 |
| 10/17/2016 3:00:00 PM | 406800.000 | 116.109 | 19.238 |
| 264.648 | 34586.773 | 38863.949 | 24.966 |
| 26.427 | 28.913 | 1.017 | 14.748 |
| 10/17/2016 3:15:00 PM | 407700.000 | 116.102 | 19.238 |
| 264.633 | 34598.039 | 38876.895 | 24.975 |
| 26.436 | 28.903 | 1.017 | 14.750 |
| 10/17/2016 3:30:00 PM | 408600.000 | 116.100 | 19.238 |
| 264.628 | 34596.160 | 38874.578 | 24.974 |
| 26.435 | 28.905 | 1.017 | 14.744 |
| 10/17/2016 3:45:00 PM | 409500.000 | 116.080 | 19.238 |
| 264.582 | 34586.770 | 38864.305 | 24.966 |
| 26.428 | 28.913 | 1.017 | 14.754 |
| 10/17/2016 4:00:00 PM | 410400.000 | 116.083 | 19.238 |
| 264.588 | 34576.840 | 38852.570 | 24.958 |
| 26.420 | 28.921 | 1.017 | 14.747 |
| 10/17/2016 4:15:00 PM | 411300.000 | 116.072 | 19.238 |
| 264.565 | 34595.949 | 38874.547 | 24.974 |
| 26.435 | 28.905 | 1.017 | 14.755 |
| 10/17/2016 4:30:00 PM | 412200.000 | 116.071 | 19.237 |
| 264.561 | 34583.594 | 38860.953 | 24.964 |
| 26.425 | 28.915 | 1.017 | 14.747 |
| 10/17/2016 4:45:00 PM | 413100.000 | 116.052 | 19.237 |
| 264.519 | 34571.754 | 38847.512 | 24.954 |
| 26.416 | 28.925 | 1.017 | 14.747 |
| 10/17/2016 5:00:00 PM | 414000.000 | 116.047 | 19.238 |
| 264.507 | 34591.250 | 38869.340 | 24.970 |
| 26.431 | 28.909 | 1.017 | 14.746 |
| 10/17/2016 5:15:00 PM | 414900.000 | 116.026 | 19.237 |
| 264.460 | 34580.410 | 38857.602 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.747 |
| 10/17/2016 5:30:00 PM | 415800.000 | 116.027 | 19.237 |
| 264.462 | 34574.633 | 38851.039 | 24.957 |
| 26.419 | 28.923 | 1.017 | 14.742 |
| 10/17/2016 5:45:00 PM | 416700.000 | 116.011 | 19.237 |
| 264.425 | 34599.262 | 38878.422 | 24.976 |
| 26.437 | 28.902 | 1.017 | 14.744 |

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|---|---|---|---|
| 10/17/2016 6:00:00 PM | 417600.000 | 116.011 | 19.237 |
| 264.424 | 34583.949 | 38861.352 | 24.964 |
| 26.426 | 28.915 | 1.017 | 14.743 |
| 10/17/2016 6:15:00 PM | 418500.000 | 116.000 | 19.237 |
| 264.401 | 34567.027 | 38842.563 | 24.951 |
| 26.413 | 28.929 | 1.017 | 14.746 |
| 10/17/2016 6:30:00 PM | 419400.000 | 115.992 | 19.237 |
| 264.382 | 34558.504 | 38833.199 | 24.944 |
| 26.407 | 28.936 | 1.017 | 14.742 |
| 10/17/2016 6:45:00 PM | 420300.000 | 115.990 | 19.238 |
| 264.377 | 34569.160 | 38844.156 | 24.952 |
| 26.414 | 28.928 | 1.017 | 14.744 |
| 10/17/2016 7:00:00 PM | 421200.000 | 115.984 | 19.238 |
| 264.363 | 34590.125 | 38867.867 | 24.969 |
| 26.430 | 28.910 | 1.017 | 14.742 |
| 10/17/2016 7:15:00 PM | 422100.000 | 115.979 | 19.237 |
| 264.352 | 34582.281 | 38859.340 | 24.963 |
| 26.424 | 28.917 | 1.017 | 14.747 |
| 10/17/2016 7:30:00 PM | 423000.000 | 115.954 | 19.238 |
| 264.295 | 34577.711 | 38854.129 | 24.959 |
| 26.421 | 28.920 | 1.017 | 14.750 |
| 10/17/2016 7:45:00 PM | 423900.000 | 115.953 | 19.237 |
| 264.293 | 34575.266 | 38852.105 | 24.958 |
| 26.419 | 28.922 | 1.017 | 14.753 |
| 10/17/2016 8:00:00 PM | 424800.000 | 115.947 | 19.238 |
| 264.279 | 34572.355 | 38848.035 | 24.955 |
| 26.417 | 28.925 | 1.017 | 14.756 |
| 10/17/2016 8:15:00 PM | 425700.000 | 115.936 | 19.238 |
| 264.254 | 34577.316 | 38853.684 | 24.959 |
| 26.421 | 28.921 | 1.017 | 14.755 |
| 10/17/2016 8:30:00 PM | 426600.000 | 115.947 | 19.238 |
| 264.278 | 34562.789 | 38837.152 | 24.947 |
| 26.409 | 28.933 | 1.017 | 14.749 |
| 10/17/2016 8:45:00 PM | 427500.000 | 115.934 | 19.237 |
| 264.250 | 34559.844 | 38834.129 | 24.945 |
| 26.407 | 28.935 | 1.017 | 14.762 |
| 10/17/2016 9:00:00 PM | 428400.000 | 115.930 | 19.238 |
| 264.241 | 34557.250 | 38831.137 | 24.943 |
| 26.405 | 28.937 | 1.017 | 14.761 |
| 10/17/2016 9:15:00 PM | 429300.000 | 115.924 | 19.236 |
| 264.226 | 34566.516 | 38842.426 | 24.951 |
| 26.413 | 28.930 | 1.017 | 14.761 |
| 10/17/2016 9:30:00 PM | 430200.000 | 115.916 | 19.238 |
| 264.207 | 34577.563 | 38853.961 | 24.959 |
| 26.421 | 28.920 | 1.017 | 14.764 |
| 10/17/2016 9:45:00 PM | 431100.000 | 115.932 | 19.238 |
| 264.246 | 34557.586 | 38831.375 | 24.943 |
| 26.405 | 28.937 | 1.017 | 14.758 |
| 10/17/2016 10:00:00 PM | 432000.000 | 115.935 | 19.237 |
| 264.251 | 34568.684 | 38844.063 | 24.952 |
| 26.414 | 28.928 | 1.017 | 14.763 |
| 10/17/2016 10:15:00 PM | 432900.000 | 115.935 | 19.237 |
| 264.251 | 34563.121 | 38838.172 | 24.948 |
| 26.410 | 28.933 | 1.017 | 14.766 |
| 10/17/2016 10:30:00 PM | 433800.000 | 115.938 | 19.238 |

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| 264.258 | 34555.602 | 38829.074 | 24.941 |
| 26.404 | 28.939 | 1.017 | 14.766 |
| 10/17/2016 10:45:00 PM | 434700.000 | 115.943 | 19.238 |
| 264.271 | 34579.117 | 38854.914 | 24.960 |
| 26.421 | 28.919 | 1.017 | 14.767 |
| 10/17/2016 11:00:00 PM | 435600.000 | 115.949 | 19.237 |
| 264.283 | 34574.754 | 38850.883 | 24.957 |
| 26.419 | 28.923 | 1.017 | 14.769 |
| 10/17/2016 11:15:00 PM | 436500.000 | 115.943 | 19.238 |
| 264.270 | 34574.250 | 38850.031 | 24.956 |
| 26.418 | 28.923 | 1.017 | 14.773 |
| 10/17/2016 11:30:00 PM | 437400.000 | 115.962 | 19.238 |
| 264.314 | 34585.766 | 38862.676 | 24.965 |
| 26.427 | 28.914 | 1.017 | 14.775 |
| 10/17/2016 11:45:00 PM | 438300.000 | 115.964 | 19.238 |
| 264.318 | 34559.266 | 38833.121 | 24.944 |
| 26.407 | 28.936 | 1.017 | 14.776 |
| 10/18/2016 12:00:00 AM | 439200.000 | 115.968 | 19.238 |
| 264.328 | 34581.129 | 38857.605 | 24.962 |
| 26.423 | 28.918 | 1.017 | 14.778 |
| 10/18/2016 12:15:00 AM | 440100.000 | 115.972 | 19.238 |
| 264.335 | 34567.480 | 38841.980 | 24.950 |
| 26.413 | 28.929 | 1.017 | 14.780 |
| 10/18/2016 12:30:00 AM | 441000.000 | 115.969 | 19.237 |
| 264.328 | 34578.508 | 38855.391 | 24.960 |
| 26.422 | 28.920 | 1.017 | 14.782 |
| 10/18/2016 12:45:00 AM | 441900.000 | 115.992 | 19.237 |
| 264.381 | 34587.473 | 38865.391 | 24.967 |
| 26.428 | 28.912 | 1.017 | 14.780 |
| 10/18/2016 1:00:00 AM | 442800.000 | 115.998 | 19.237 |
| 264.394 | 34582.492 | 38860.094 | 24.963 |
| 26.425 | 28.916 | 1.017 | 14.784 |
| 10/18/2016 1:15:00 AM | 443700.000 | 115.995 | 19.238 |
| 264.387 | 34621.945 | 38903.625 | 24.994 |
| 26.454 | 28.883 | 1.017 | 14.780 |
| 10/18/2016 1:30:00 AM | 444600.000 | 116.014 | 19.237 |
| 264.433 | 34566.086 | 38841.434 | 24.950 |
| 26.412 | 28.930 | 1.017 | 14.786 |
| 10/18/2016 1:45:00 AM | 445500.000 | 116.013 | 19.237 |
| 264.428 | 34584.016 | 38861.359 | 24.964 |
| 26.426 | 28.915 | 1.017 | 14.785 |
| 10/18/2016 2:00:00 AM | 446400.000 | 116.021 | 19.237 |
| 264.447 | 34587.246 | 38865.137 | 24.967 |
| 26.428 | 28.912 | 1.017 | 14.784 |
| 10/18/2016 2:15:00 AM | 447300.000 | 116.027 | 19.237 |
| 264.462 | 34606.828 | 38886.922 | 24.982 |
| 26.443 | 28.896 | 1.017 | 14.784 |
| 10/18/2016 2:30:00 AM | 448200.000 | 116.033 | 19.237 |
| 264.476 | 34594.090 | 38873.047 | 24.972 |
| 26.434 | 28.907 | 1.017 | 14.787 |
| 10/18/2016 2:45:00 AM | 449100.000 | 116.034 | 19.237 |
| 264.478 | 34602.105 | 38881.754 | 24.979 |
| 26.440 | 28.900 | 1.017 | 14.788 |
| 10/18/2016 3:00:00 AM | 450000.000 | 116.032 | 19.238 |
| 264.472 | 34563.332 | 38837.539 | 24.947 |

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| 26.410 | 28.932 | 1.017 | 14.787 |
| 10/18/2016 3:15:00 AM | 450900.000 | 116.043 | 19.238 |
| 264.498 | 34563.707 | 38838.031 | 24.948 |
| 26.410 | 28.932 | 1.017 | 14.781 |
| 10/18/2016 3:30:00 AM | 451800.000 | 116.038 | 19.237 |
| 264.487 | 34594.109 | 38873.211 | 24.973 |
| 26.434 | 28.907 | 1.017 | 14.784 |
| 10/18/2016 3:45:00 AM | 452700.000 | 116.038 | 19.238 |
| 264.487 | 34583.055 | 38859.629 | 24.963 |
| 26.425 | 28.916 | 1.017 | 14.785 |
| 10/18/2016 4:00:00 AM | 453600.000 | 116.038 | 19.237 |
| 264.486 | 34583.238 | 38860.555 | 24.964 |
| 26.425 | 28.916 | 1.017 | 14.781 |
| 10/18/2016 4:15:00 AM | 454500.000 | 116.042 | 19.237 |
| 264.496 | 34590.527 | 38868.824 | 24.969 |
| 26.431 | 28.910 | 1.017 | 14.785 |
| 10/18/2016 4:30:00 AM | 455400.000 | 116.033 | 19.237 |
| 264.476 | 34584.430 | 38861.824 | 24.965 |
| 26.426 | 28.915 | 1.017 | 14.785 |
| 10/18/2016 4:45:00 AM | 456300.000 | 116.039 | 19.238 |
| 264.488 | 34596.637 | 38875.316 | 24.974 |
| 26.435 | 28.905 | 1.017 | 14.786 |
| 10/18/2016 5:00:00 AM | 457200.000 | 116.038 | 19.238 |
| 264.487 | 34583.430 | 38859.898 | 24.963 |
| 26.425 | 28.916 | 1.017 | 14.786 |
| 10/18/2016 5:15:00 AM | 458100.000 | 116.035 | 19.237 |
| 264.479 | 34565.086 | 38840.668 | 24.949 |
| 26.412 | 28.931 | 1.017 | 14.790 |
| 10/18/2016 5:30:00 AM | 459000.000 | 116.033 | 19.238 |
| 264.475 | 34569.156 | 38844.438 | 24.952 |
| 26.414 | 28.928 | 1.017 | 14.789 |
| 10/18/2016 5:45:00 AM | 459900.000 | 116.032 | 19.238 |
| 264.472 | 34594.422 | 38872.328 | 24.972 |
| 26.433 | 28.906 | 1.017 | 14.790 |
| 10/18/2016 6:00:00 AM | 460800.000 | 116.018 | 19.237 |
| 264.442 | 34576.203 | 38852.949 | 24.958 |
| 26.420 | 28.922 | 1.017 | 14.794 |
| 10/18/2016 6:15:00 AM | 461700.000 | 116.027 | 19.237 |
| 264.460 | 34570.129 | 38845.902 | 24.953 |
| 26.415 | 28.927 | 1.017 | 14.795 |
| 10/18/2016 6:30:00 AM | 462600.000 | 116.021 | 19.237 |
| 264.448 | 34596.008 | 38874.766 | 24.974 |
| 26.435 | 28.905 | 1.017 | 14.799 |
| 10/18/2016 6:45:00 AM | 463500.000 | 116.022 | 19.238 |
| 264.450 | 34591.441 | 38869.125 | 24.970 |
| 26.431 | 28.909 | 1.017 | 14.800 |
| 10/18/2016 7:00:00 AM | 464400.000 | 116.028 | 19.238 |
| 264.463 | 34576.965 | 38852.711 | 24.958 |
| 26.420 | 28.921 | 1.017 | 14.802 |
| 10/18/2016 7:15:00 AM | 465300.000 | 116.025 | 19.237 |
| 264.458 | 34592.484 | 38871.098 | 24.971 |
| 26.432 | 28.908 | 1.017 | 14.804 |
| 10/18/2016 7:30:00 AM | 466200.000 | 116.031 | 19.238 |
| 264.470 | 34597.242 | 38875.938 | 24.975 |
| 26.436 | 28.904 | 1.017 | 14.801 |

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| 10/18/2016 7:45:00 AM | 467100.000 | 116.020 | 19.237 |
| 264.445 | 34574.527 | 38850.918 | 24.957 |
| 26.419 | 28.923 | 1.017 | 14.806 |
| 10/18/2016 8:00:00 AM | 468000.000 | 116.033 | 19.237 |
| 264.475 | 34574.309 | 38850.898 | 24.957 |
| 26.419 | 28.923 | 1.017 | 14.806 |
| 10/18/2016 8:15:00 AM | 468900.000 | 116.017 | 19.238 |
| 264.438 | 34586.316 | 38863.660 | 24.966 |
| 26.427 | 28.913 | 1.017 | 14.815 |
| 10/18/2016 8:30:00 AM | 469800.000 | 116.016 | 19.238 |
| 264.435 | 34580.676 | 38857.098 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.820 |
| 10/18/2016 8:45:00 AM | 470700.000 | 116.034 | 19.237 |
| 264.478 | 34558.125 | 38832.336 | 24.944 |
| 26.406 | 28.937 | 1.017 | 14.808 |
| 10/18/2016 9:00:00 AM | 471600.000 | 116.048 | 19.238 |
| 264.509 | 34566.473 | 38841.137 | 24.950 |
| 26.412 | 28.930 | 1.017 | 14.809 |
| 10/18/2016 9:15:00 AM | 472500.000 | 116.027 | 19.237 |
| 264.461 | 34556.355 | 38830.207 | 24.942 |
| 26.405 | 28.938 | 1.017 | 14.822 |
| 10/18/2016 9:30:00 AM | 473400.000 | 116.040 | 19.237 |
| 264.491 | 34573.602 | 38849.879 | 24.956 |
| 26.418 | 28.924 | 1.017 | 14.820 |
| 10/18/2016 9:45:00 AM | 474300.000 | 116.045 | 19.238 |
| 264.503 | 34577.117 | 38853.184 | 24.958 |
| 26.420 | 28.921 | 1.017 | 14.822 |
| 10/18/2016 10:00:00 AM | 475200.000 | 116.052 | 19.237 |
| 264.519 | 34550.371 | 38823.621 | 24.937 |
| 26.400 | 28.943 | 1.017 | 14.819 |
| 10/18/2016 10:15:00 AM | 476100.000 | 116.046 | 19.238 |
| 264.505 | 34595.762 | 38873.906 | 24.973 |
| 26.434 | 28.905 | 1.017 | 14.823 |
| 10/18/2016 10:30:00 AM | 477000.000 | 116.056 | 19.238 |
| 264.527 | 34596.160 | 38874.281 | 24.973 |
| 26.435 | 28.905 | 1.017 | 14.821 |
| 10/18/2016 10:45:00 AM | 477900.000 | 116.074 | 19.238 |
| 264.568 | 34584.117 | 38861.047 | 24.964 |
| 26.426 | 28.915 | 1.017 | 14.822 |
| 10/18/2016 11:00:00 AM | 478800.000 | 116.071 | 19.238 |
| 264.562 | 34589.977 | 38867.773 | 24.969 |
| 26.430 | 28.910 | 1.017 | 14.826 |
| 10/18/2016 11:15:00 AM | 479700.000 | 116.095 | 19.238 |
| 264.617 | 34599.164 | 38878.094 | 24.976 |
| 26.437 | 28.902 | 1.017 | 14.818 |
| 10/18/2016 11:30:00 AM | 480600.000 | 116.099 | 19.239 |
| 264.626 | 34587.914 | 38864.582 | 24.967 |
| 26.428 | 28.912 | 1.017 | 14.817 |
| 10/18/2016 11:45:00 AM | 481500.000 | 116.107 | 19.238 |
| 264.644 | 34579.758 | 38855.926 | 24.960 |
| 26.422 | 28.919 | 1.017 | 14.817 |
| 10/18/2016 12:00:00 PM | 482400.000 | 116.117 | 19.238 |
| 264.667 | 34603.586 | 38882.484 | 24.979 |
| 26.440 | 28.899 | 1.017 | 14.818 |
| 10/18/2016 12:15:00 PM | 483300.000 | 116.123 | 19.238 |

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| 264.680 | 34570.746 | 38846.227 | 24.953 |
| 26.415 | 28.926 | 1.017 | 14.816 |
| 10/18/2016 12:30:00 PM | 484200.000 | 116.126 | 19.238 |
| 264.687 | 34616.797 | 38897.395 | 24.990 |
| 26.450 | 28.888 | 1.017 | 14.821 |
| 10/18/2016 12:45:00 PM | 485100.000 | 116.137 | 19.238 |
| 264.711 | 34587.914 | 38865.230 | 24.967 |
| 26.428 | 28.912 | 1.017 | 14.813 |
| 10/18/2016 1:00:00 PM | 486000.000 | 116.155 | 19.238 |
| 264.753 | 34576.027 | 38851.516 | 24.957 |
| 26.419 | 28.922 | 1.017 | 14.802 |
| 10/18/2016 1:15:00 PM | 486900.000 | 116.167 | 19.238 |
| 264.780 | 34607.574 | 38887.477 | 24.983 |
| 26.443 | 28.895 | 1.017 | 14.804 |
| 10/18/2016 1:30:00 PM | 487800.000 | 116.166 | 19.237 |
| 264.778 | 34576.883 | 38853.492 | 24.959 |
| 26.420 | 28.921 | 1.017 | 14.804 |
| 10/18/2016 1:45:00 PM | 488700.000 | 116.165 | 19.238 |
| 264.775 | 34585.105 | 38862.004 | 24.965 |
| 26.426 | 28.914 | 1.017 | 14.799 |
| 10/18/2016 2:00:00 PM | 489600.000 | 116.174 | 19.237 |
| 264.796 | 34589.625 | 38867.883 | 24.969 |
| 26.430 | 28.910 | 1.017 | 14.798 |
| 10/18/2016 2:15:00 PM | 490500.000 | 116.188 | 19.238 |
| 264.827 | 34579.758 | 38856.148 | 24.960 |
| 26.422 | 28.919 | 1.017 | 14.789 |
| 10/18/2016 2:30:00 PM | 491400.000 | 116.185 | 19.238 |
| 264.822 | 34594.699 | 38873.008 | 24.972 |
| 26.434 | 28.906 | 1.017 | 14.796 |
| 10/18/2016 2:45:00 PM | 492300.000 | 116.180 | 19.237 |
| 264.809 | 34587.707 | 38865.438 | 24.967 |
| 26.428 | 28.912 | 1.017 | 14.786 |
| 10/18/2016 3:00:00 PM | 493200.000 | 116.188 | 19.238 |
| 264.828 | 34591.125 | 38869.199 | 24.970 |
| 26.431 | 28.909 | 1.017 | 14.782 |
| 10/18/2016 3:15:00 PM | 494100.000 | 116.191 | 19.238 |
| 264.835 | 34586.867 | 38864.207 | 24.966 |
| 26.428 | 28.913 | 1.017 | 14.781 |
| 10/18/2016 3:30:00 PM | 495000.000 | 116.178 | 19.237 |
| 264.804 | 34580.719 | 38857.945 | 24.962 |
| 26.423 | 28.918 | 1.017 | 14.783 |
| 10/18/2016 3:45:00 PM | 495900.000 | 116.191 | 19.238 |
| 264.834 | 34573.746 | 38848.953 | 24.955 |
| 26.417 | 28.924 | 1.017 | 14.780 |
| 10/18/2016 4:00:00 PM | 496800.000 | 116.187 | 19.238 |
| 264.827 | 34577.637 | 38854.043 | 24.959 |
| 26.421 | 28.920 | 1.017 | 14.776 |
| 10/18/2016 4:15:00 PM | 497700.000 | 116.172 | 19.238 |
| 264.792 | 34571.816 | 38847.070 | 24.954 |
| 26.416 | 28.925 | 1.017 | 14.775 |
| 10/18/2016 4:30:00 PM | 498600.000 | 116.175 | 19.237 |
| 264.799 | 34559.480 | 38834.012 | 24.945 |
| 26.407 | 28.936 | 1.017 | 14.772 |
| 10/18/2016 4:45:00 PM | 499500.000 | 116.167 | 19.237 |
| 264.781 | 34600.102 | 38879.879 | 24.977 |

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| 26.438 | 28.902 | 1.017 | 14.775 |
| 10/18/2016 5:00:00 PM | 500400.000 | 116.167 | 19.237 |
| 264.781 | 34569.039 | 38844.598 | 24.952 |
| 26.414 | 28.928 | 1.017 | 14.772 |
| 10/18/2016 5:15:00 PM | 501300.000 | 116.148 | 19.237 |
| 264.738 | 34572.070 | 38848.160 | 24.955 |
| 26.417 | 28.925 | 1.017 | 14.775 |
| 10/18/2016 5:30:00 PM | 502200.000 | 116.138 | 19.237 |
| 264.714 | 34554.953 | 38828.633 | 24.941 |
| 26.403 | 28.939 | 1.017 | 14.778 |
| 10/18/2016 5:45:00 PM | 503100.000 | 116.124 | 19.236 |
| 264.682 | 34555.008 | 38829.715 | 24.942 |
| 26.404 | 28.939 | 1.017 | 14.784 |
| 10/18/2016 6:00:00 PM | 504000.000 | 116.111 | 19.237 |
| 264.653 | 34550.809 | 38824.625 | 24.938 |
| 26.401 | 28.943 | 1.017 | 14.783 |
| 10/18/2016 6:15:00 PM | 504900.000 | 116.122 | 19.237 |
| 264.677 | 34565.621 | 38840.836 | 24.950 |
| 26.412 | 28.930 | 1.017 | 14.778 |
| 10/18/2016 6:30:00 PM | 505800.000 | 116.100 | 19.238 |
| 264.627 | 34565.328 | 38840.004 | 24.949 |
| 26.411 | 28.931 | 1.017 | 14.777 |
| 10/18/2016 6:45:00 PM | 506700.000 | 116.082 | 19.238 |
| 264.586 | 34561.914 | 38836.098 | 24.946 |
| 26.409 | 28.934 | 1.017 | 14.790 |
| 10/18/2016 7:00:00 PM | 507600.000 | 116.074 | 19.237 |
| 264.568 | 34575.688 | 38852.000 | 24.958 |
| 26.419 | 28.922 | 1.017 | 14.782 |
| 10/18/2016 7:15:00 PM | 508500.000 | 116.071 | 19.237 |
| 264.562 | 34575.977 | 38852.547 | 24.958 |
| 26.420 | 28.922 | 1.017 | 14.778 |
| 10/18/2016 7:30:00 PM | 509400.000 | 116.044 | 19.237 |
| 264.500 | 34553.438 | 38827.367 | 24.940 |
| 26.403 | 28.941 | 1.017 | 14.793 |
| 10/18/2016 7:45:00 PM | 510300.000 | 116.045 | 19.237 |
| 264.503 | 34576.230 | 38852.758 | 24.958 |
| 26.420 | 28.922 | 1.017 | 14.787 |
| 10/18/2016 8:00:00 PM | 511200.000 | 116.033 | 19.237 |
| 264.476 | 34590.793 | 38869.266 | 24.970 |
| 26.431 | 28.909 | 1.017 | 14.796 |
| 10/18/2016 8:15:00 PM | 512100.000 | 116.029 | 19.237 |
| 264.467 | 34568.199 | 38844.031 | 24.952 |
| 26.414 | 28.928 | 1.017 | 14.795 |
| 10/18/2016 8:30:00 PM | 513000.000 | 116.024 | 19.237 |
| 264.456 | 34582.906 | 38860.480 | 24.964 |
| 26.425 | 28.916 | 1.017 | 14.799 |
| 10/18/2016 8:45:00 PM | 513900.000 | 116.014 | 19.237 |
| 264.432 | 34592.043 | 38870.746 | 24.971 |
| 26.432 | 28.908 | 1.017 | 14.797 |
| 10/18/2016 9:00:00 PM | 514800.000 | 116.002 | 19.237 |
| 264.404 | 34567.121 | 38842.375 | 24.951 |
| 26.413 | 28.929 | 1.017 | 14.795 |
| 10/18/2016 9:15:00 PM | 515700.000 | 115.996 | 19.237 |
| 264.391 | 34561.746 | 38836.402 | 24.946 |
| 26.409 | 28.934 | 1.017 | 14.801 |

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|---|---|---|---|
| 10/18/2016 9:30:00 PM | 516600.000 | 116.006 | 19.237 |
| 264.413 | 34575.602 | 38852.559 | 24.958 |
| 26.420 | 28.922 | 1.017 | 14.799 |
| 10/18/2016 9:45:00 PM | 517500.000 | 115.981 | 19.237 |
| 264.356 | 34575.992 | 38852.344 | 24.958 |
| 26.420 | 28.922 | 1.017 | 14.807 |
| 10/18/2016 10:00:00 PM | 518400.000 | 115.989 | 19.237 |
| 264.376 | 34545.355 | 38817.984 | 24.933 |
| 26.396 | 28.947 | 1.017 | 14.808 |
| 10/18/2016 10:15:00 PM | 519300.000 | 115.991 | 19.237 |
| 264.380 | 34579.723 | 38856.902 | 24.961 |
| 26.423 | 28.919 | 1.017 | 14.806 |
| 10/18/2016 10:30:00 PM | 520200.000 | 115.977 | 19.238 |
| 264.347 | 34574.070 | 38850.035 | 24.956 |
| 26.418 | 28.923 | 1.017 | 14.807 |
| 10/18/2016 10:45:00 PM | 521100.000 | 115.996 | 19.237 |
| 264.391 | 34568.465 | 38844.105 | 24.952 |
| 26.414 | 28.928 | 1.017 | 14.805 |
| 10/18/2016 11:00:00 PM | 522000.000 | 115.987 | 19.238 |
| 264.371 | 34553.480 | 38826.621 | 24.939 |
| 26.402 | 28.941 | 1.017 | 14.805 |
| 10/18/2016 11:15:00 PM | 522900.000 | 115.982 | 19.237 |
| 264.358 | 34599.809 | 38879.398 | 24.977 |
| 26.438 | 28.902 | 1.017 | 14.807 |
| 10/18/2016 11:30:00 PM | 523800.000 | 115.987 | 19.237 |
| 264.370 | 34600.914 | 38880.855 | 24.978 |
| 26.439 | 28.901 | 1.017 | 14.807 |
| 10/18/2016 11:45:00 PM | 524700.000 | 116.001 | 19.237 |
| 264.402 | 34581.281 | 38858.578 | 24.962 |
| 26.424 | 28.917 | 1.017 | 14.807 |
| 10/19/2016 12:00:00 AM | 525600.000 | 115.998 | 19.237 |
| 264.396 | 34581.219 | 38858.363 | 24.962 |
| 26.424 | 28.917 | 1.017 | 14.806 |
| 10/19/2016 12:15:00 AM | 526500.000 | 116.018 | 19.237 |
| 264.442 | 34563.473 | 38838.344 | 24.948 |
| 26.410 | 28.932 | 1.017 | 14.802 |
| 10/19/2016 12:30:00 AM | 527400.000 | 116.011 | 19.238 |
| 264.425 | 34559.742 | 38833.938 | 24.945 |
| 26.407 | 28.935 | 1.017 | 14.808 |
| 10/19/2016 12:45:00 AM | 528300.000 | 116.019 | 19.237 |
| 264.444 | 34569.887 | 38845.703 | 24.953 |
| 26.415 | 28.927 | 1.017 | 14.799 |
| 10/19/2016 1:00:00 AM | 529200.000 | 116.025 | 19.237 |
| 264.457 | 34586.473 | 38864.414 | 24.966 |
| 26.428 | 28.913 | 1.017 | 14.808 |
| 10/19/2016 1:15:00 AM | 530100.000 | 116.029 | 19.238 |
| 264.467 | 34565.602 | 38840.242 | 24.949 |
| 26.411 | 28.930 | 1.017 | 14.809 |
| 10/19/2016 1:30:00 AM | 531000.000 | 116.044 | 19.237 |
| 264.499 | 34573.898 | 38850.137 | 24.956 |
| 26.418 | 28.924 | 1.017 | 14.805 |
| 10/19/2016 1:45:00 AM | 531900.000 | 116.043 | 19.238 |
| 264.497 | 34588.375 | 38866.109 | 24.968 |
| 26.429 | 28.911 | 1.017 | 14.809 |
| 10/19/2016 2:00:00 AM | 532800.000 | 116.050 | 19.238 |

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| 264.513 | 34575.551 | 38851.121 | 24.957 |
| 26.419 | 28.922 | 1.017 | 14.808 |
| 10/19/2016 2:15:00 AM | 533700.000 | 116.056 | 19.237 |
| 264.527 | 34565.313 | 38840.273 | 24.949 |
| 26.411 | 28.931 | 1.017 | 14.808 |
| 10/19/2016 2:30:00 AM | 534600.000 | 116.059 | 19.237 |
| 264.535 | 34580.113 | 38857.043 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.812 |
| 10/19/2016 2:45:00 AM | 535500.000 | 116.053 | 19.238 |
| 264.520 | 34587.301 | 38864.695 | 24.967 |
| 26.428 | 28.912 | 1.017 | 14.816 |
| 10/19/2016 3:00:00 AM | 536400.000 | 116.060 | 19.237 |
| 264.537 | 34567.414 | 38842.637 | 24.951 |
| 26.413 | 28.929 | 1.017 | 14.813 |
| 10/19/2016 3:15:00 AM | 537300.000 | 116.076 | 19.238 |
| 264.573 | 34565.801 | 38840.742 | 24.950 |
| 26.412 | 28.930 | 1.017 | 14.810 |
| 10/19/2016 3:30:00 AM | 538200.000 | 116.076 | 19.238 |
| 264.572 | 34578.387 | 38854.609 | 24.959 |
| 26.421 | 28.920 | 1.017 | 14.806 |
| 10/19/2016 3:45:00 AM | 539100.000 | 116.078 | 19.238 |
| 264.578 | 34588.543 | 38865.938 | 24.967 |
| 26.429 | 28.911 | 1.017 | 14.811 |
| 10/19/2016 4:00:00 AM | 540000.000 | 116.091 | 19.237 |
| 264.607 | 34579.918 | 38856.684 | 24.961 |
| 26.423 | 28.919 | 1.017 | 14.809 |
| 10/19/2016 4:15:00 AM | 540900.000 | 116.093 | 19.238 |
| 264.611 | 34582.324 | 38859.102 | 24.963 |
| 26.424 | 28.917 | 1.017 | 14.803 |
| 10/19/2016 4:30:00 AM | 541800.000 | 116.097 | 19.238 |
| 264.620 | 34604.191 | 38883.090 | 24.980 |
| 26.441 | 28.898 | 1.017 | 14.799 |
| 10/19/2016 4:45:00 AM | 542700.000 | 116.082 | 19.237 |
| 264.586 | 34570.645 | 38846.555 | 24.954 |
| 26.416 | 28.926 | 1.017 | 14.807 |
| 10/19/2016 5:00:00 AM | 543600.000 | 116.095 | 19.237 |
| 264.616 | 34573.258 | 38849.418 | 24.956 |
| 26.418 | 28.924 | 1.017 | 14.800 |
| 10/19/2016 5:15:00 AM | 544500.000 | 116.098 | 19.238 |
| 264.623 | 34576.629 | 38852.633 | 24.958 |
| 26.420 | 28.921 | 1.017 | 14.802 |
| 10/19/2016 5:30:00 AM | 545400.000 | 116.098 | 19.238 |
| 264.624 | 34576.688 | 38852.840 | 24.958 |
| 26.420 | 28.921 | 1.017 | 14.804 |
| 10/19/2016 5:45:00 AM | 546300.000 | 116.089 | 19.237 |
| 264.602 | 34570.086 | 38845.773 | 24.953 |
| 26.415 | 28.927 | 1.017 | 14.807 |
| 10/19/2016 6:00:00 AM | 547200.000 | 116.086 | 19.237 |
| 264.596 | 34595.027 | 38873.734 | 24.973 |
| 26.434 | 28.906 | 1.017 | 14.810 |
| 10/19/2016 6:15:00 AM | 548100.000 | 116.107 | 19.237 |
| 264.643 | 34569.422 | 38845.027 | 24.953 |
| 26.415 | 28.927 | 1.017 | 14.811 |
| 10/19/2016 6:30:00 AM | 549000.000 | 116.085 | 19.238 |
| 264.594 | 34567.816 | 38842.934 | 24.951 |

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| 26.413 | 28.929 | 1.017 | 14.809 |
| 10/19/2016 6:45:00 AM | 549900.000 | 116.084 | 19.237 |
| 264.591 | 34564.484 | 38839.559 | 24.949 |
| 26.411 | 28.931 | 1.017 | 14.804 |
| 10/19/2016 7:00:00 AM | 550800.000 | 116.093 | 19.238 |
| 264.613 | 34595.949 | 38874.547 | 24.974 |
| 26.435 | 28.905 | 1.017 | 14.802 |
| 10/19/2016 7:15:00 AM | 551700.000 | 116.090 | 19.238 |
| 264.605 | 34580.922 | 38857.375 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.813 |
| 10/19/2016 7:30:00 AM | 552600.000 | 116.081 | 19.238 |
| 264.584 | 34577.855 | 38854.152 | 24.959 |
| 26.421 | 28.920 | 1.017 | 14.810 |
| 10/19/2016 7:45:00 AM | 553500.000 | 116.079 | 19.237 |
| 264.581 | 34544.840 | 38817.992 | 24.933 |
| 26.396 | 28.948 | 1.017 | 14.809 |
| 10/19/2016 8:00:00 AM | 554400.000 | 116.090 | 19.237 |
| 264.604 | 34574.086 | 38850.422 | 24.956 |
| 26.418 | 28.923 | 1.017 | 14.812 |
| 10/19/2016 8:15:00 AM | 555300.000 | 116.082 | 19.237 |
| 264.586 | 34577.961 | 38854.777 | 24.959 |
| 26.421 | 28.920 | 1.017 | 14.815 |
| 10/19/2016 8:30:00 AM | 556200.000 | 116.082 | 19.238 |
| 264.587 | 34601.289 | 38880.621 | 24.978 |
| 26.439 | 28.901 | 1.017 | 14.816 |
| 10/19/2016 8:45:00 AM | 557100.000 | 116.082 | 19.237 |
| 264.587 | 34593.777 | 38872.328 | 24.972 |
| 26.433 | 28.907 | 1.017 | 14.816 |
| 10/19/2016 9:00:00 AM | 558000.000 | 116.075 | 19.237 |
| 264.571 | 34571.418 | 38847.133 | 24.954 |
| 26.416 | 28.926 | 1.017 | 14.824 |
| 10/19/2016 9:15:00 AM | 558900.000 | 116.084 | 19.237 |
| 264.591 | 34566.770 | 38842.348 | 24.951 |
| 26.413 | 28.930 | 1.017 | 14.821 |
| 10/19/2016 9:30:00 AM | 559800.000 | 116.087 | 19.238 |
| 264.598 | 34555.988 | 38829.441 | 24.941 |
| 26.404 | 28.939 | 1.017 | 14.820 |
| 10/19/2016 9:45:00 AM | 560700.000 | 116.093 | 19.238 |
| 264.612 | 34555.383 | 38828.898 | 24.941 |
| 26.404 | 28.939 | 1.017 | 14.825 |
| 10/19/2016 10:00:00 AM | 561600.000 | 116.089 | 19.238 |
| 264.603 | 34586.332 | 38863.676 | 24.966 |
| 26.427 | 28.913 | 1.017 | 14.821 |
| 10/19/2016 10:15:00 AM | 562500.000 | 116.096 | 19.237 |
| 264.618 | 34578.297 | 38855.156 | 24.960 |
| 26.422 | 28.920 | 1.017 | 14.815 |
| 10/19/2016 10:30:00 AM | 563400.000 | 116.096 | 19.237 |
| 264.619 | 34555.832 | 38829.980 | 24.942 |
| 26.404 | 28.939 | 1.017 | 14.820 |
| 10/19/2016 10:45:00 AM | 564300.000 | 116.104 | 19.237 |
| 264.638 | 34584.492 | 38862.551 | 24.965 |
| 26.427 | 28.915 | 1.017 | 14.816 |
| 10/19/2016 11:00:00 AM | 565200.000 | 116.122 | 19.238 |
| 264.677 | 34580.285 | 38856.813 | 24.961 |
| 26.423 | 28.918 | 1.017 | 14.816 |

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|---|---|---|---|
| 10/19/2016 11:15:00 AM | 566100.000 | 116.123 | 19.238 |
| 264.681 | 34587.602 | 38864.586 | 24.966 |
| 26.428 | 28.912 | 1.017 | 14.815 |
| 10/19/2016 11:30:00 AM | 567000.000 | 116.134 | 19.237 |
| 264.705 | 34565.957 | 38841.215 | 24.950 |
| 26.412 | 28.930 | 1.017 | 14.813 |
| 10/19/2016 11:45:00 AM | 567900.000 | 116.138 | 19.238 |
| 264.714 | 34587.848 | 38865.520 | 24.967 |
| 26.429 | 28.912 | 1.017 | 14.812 |
| 10/19/2016 12:00:00 PM | 568800.000 | 116.141 | 19.238 |
| 264.721 | 34569.879 | 38845.250 | 24.953 |
| 26.415 | 28.927 | 1.017 | 14.806 |
| 10/19/2016 12:15:00 PM | 569700.000 | 116.157 | 19.237 |
| 264.758 | 34573.691 | 38849.688 | 24.956 |
| 26.418 | 28.924 | 1.017 | 14.800 |
| 10/19/2016 12:30:00 PM | 570600.000 | 116.163 | 19.238 |
| 264.771 | 34594.320 | 38872.289 | 24.972 |
| 26.433 | 28.906 | 1.017 | 14.800 |
| 10/19/2016 12:45:00 PM | 571500.000 | 116.169 | 19.237 |
| 264.785 | 34565.543 | 38840.672 | 24.949 |
| 26.412 | 28.931 | 1.017 | 14.801 |
| 10/19/2016 1:00:00 PM | 572400.000 | 116.176 | 19.237 |
| 264.800 | 34581.672 | 38858.949 | 24.962 |
| 26.424 | 28.917 | 1.017 | 14.794 |
| 10/19/2016 1:15:00 PM | 573300.000 | 116.186 | 19.239 |
| 264.823 | 34583.832 | 38860.066 | 24.963 |
| 26.425 | 28.915 | 1.017 | 14.796 |
| 10/19/2016 1:30:00 PM | 574200.000 | 116.195 | 19.237 |
| 264.843 | 34592.379 | 38870.824 | 24.971 |
| 26.432 | 28.908 | 1.017 | 14.792 |
| 10/19/2016 1:45:00 PM | 575100.000 | 116.199 | 19.238 |
| 264.852 | 34577.762 | 38853.824 | 24.959 |
| 26.421 | 28.920 | 1.017 | 14.796 |
| 10/19/2016 2:00:00 PM | 576000.000 | 116.208 | 19.238 |
| 264.874 | 34564.234 | 38838.777 | 24.948 |
| 26.410 | 28.932 | 1.017 | 14.793 |
| 10/19/2016 2:15:00 PM | 576900.000 | 116.201 | 19.238 |
| 264.857 | 34581.410 | 38858.004 | 24.962 |
| 26.423 | 28.917 | 1.017 | 14.794 |
| 10/19/2016 2:30:00 PM | 577800.000 | 116.215 | 19.238 |
| 264.891 | 34585.031 | 38861.699 | 24.964 |
| 26.426 | 28.914 | 1.017 | 14.786 |
| 10/19/2016 2:45:00 PM | 578700.000 | 116.222 | 19.238 |
| 264.905 | 34583.281 | 38860.387 | 24.963 |
| 26.425 | 28.916 | 1.017 | 14.782 |
| 10/19/2016 3:00:00 PM | 579600.000 | 116.223 | 19.238 |
| 264.909 | 34595.988 | 38874.387 | 24.973 |
| 26.435 | 28.905 | 1.017 | 14.786 |
| 10/19/2016 3:15:00 PM | 580500.000 | 116.233 | 19.237 |
| 264.930 | 34604.715 | 38884.988 | 24.981 |
| 26.442 | 28.898 | 1.017 | 14.787 |
| 10/19/2016 3:30:00 PM | 581400.000 | 116.229 | 19.238 |
| 264.922 | 34582.598 | 38859.410 | 24.963 |
| 26.424 | 28.916 | 1.017 | 14.783 |
| 10/19/2016 3:45:00 PM | 582300.000 | 116.223 | 19.238 |

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|---|---|---|---|
| 264.907 | 34606.383 | 38886.137 | 24.982 |
| 26.443 | 28.896 | 1.017 | 14.781 |
| 10/19/2016 4:00:00 PM | 583200.000 | 116.234 | 19.238 |
| 264.934 | 34594.234 | 38872.555 | 24.972 |
| 26.433 | 28.907 | 1.017 | 14.778 |
| 10/19/2016 4:15:00 PM | 584100.000 | 116.221 | 19.238 |
| 264.904 | 34585.539 | 38862.715 | 24.965 |
| 26.427 | 28.914 | 1.017 | 14.782 |
| 10/19/2016 4:30:00 PM | 585000.000 | 116.215 | 19.238 |
| 264.890 | 34592.277 | 38870.285 | 24.971 |
| 26.432 | 28.908 | 1.017 | 14.783 |
| 10/19/2016 4:45:00 PM | 585900.000 | 116.211 | 19.238 |
| 264.880 | 34597.867 | 38876.637 | 24.975 |
| 26.436 | 28.904 | 1.017 | 14.782 |
| 10/19/2016 5:00:00 PM | 586800.000 | 116.213 | 19.237 |
| 264.885 | 34599.305 | 38878.539 | 24.976 |
| 26.437 | 28.902 | 1.017 | 14.780 |
| 10/19/2016 5:15:00 PM | 587700.000 | 116.201 | 19.238 |
| 264.858 | 34562.012 | 38836.488 | 24.946 |
| 26.409 | 28.934 | 1.017 | 14.778 |
| 10/19/2016 5:30:00 PM | 588600.000 | 116.194 | 19.237 |
| 264.843 | 34571.305 | 38847.008 | 24.954 |
| 26.416 | 28.926 | 1.017 | 14.777 |
| 10/19/2016 5:45:00 PM | 589500.000 | 116.198 | 19.236 |
| 264.851 | 34568.805 | 38845.430 | 24.953 |
| 26.415 | 28.928 | 1.017 | 14.778 |
| 10/19/2016 6:00:00 PM | 590400.000 | 116.181 | 19.237 |
| 264.813 | 34561.113 | 38835.848 | 24.946 |
| 26.408 | 28.934 | 1.017 | 14.779 |
| 10/19/2016 6:15:00 PM | 591300.000 | 116.179 | 19.237 |
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| 264.775 | 34586.906 | 38864.320 | 24.966 |
| 26.428 | 28.913 | 1.017 | 14.774 |
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Serial_number:
1071253
Project ID:
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Location:
MPWSP MW-7M
LEVEL
UNIT: ft
Offset: 0.000000 ft
Altitude: 0.000000 ft
Density: 1.000000 kg/L
TEMPERATURE
UNIT: Deg C
CONDUCTIVITY
UNIT: µS/cm

| Date | Time | ms | LEVEL | TEMPERATURE | CONDUCTIVITY |
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| 10/17/2016 | 23:30:00 | 0 | 132.353 | 16.8 | 4176.4 |
| 10/17/2016 | 23:45:00 | 0 | 132.409 | 16.8 | 4184.6 |
| 10/18/2016 | 0:00:00 | 0 | 132.387 | 16.8 | 4167.1 |
| 10/18/2016 | 0:15:00 | 0 | 132.363 | 16.8 | 4157.8 |
| 10/18/2016 | 0:30:00 | 0 | 132.401 | 16.8 | 4119.4 |
| 10/18/2016 | 0:45:00 | 0 | 132.378 | 16.8 | 4089.1 |
| 10/18/2016 | 1:00:00 | 0 | 132.373 | 16.8 | 4081 |
| 10/18/2016 | 1:15:00 | 0 | 132.407 | 16.8 | 4070.5 |
| 10/18/2016 | 1:30:00 | 0 | 132.37 | 16.8 | 4042.6 |
| 10/18/2016 | 1:45:00 | 0 | 132.406 | 16.8 | 4022.8 |
| 10/18/2016 | 2:00:00 | 0 | 132.41 | 16.8 | 4019.3 |
| 10/18/2016 | 2:15:00 | 0 | 132.366 | 16.8 | 4005.3 |
| 10/18/2016 | 2:30:00 | 0 | 132.384 | 16.8 | 3968.1 |
| 10/18/2016 | 2:45:00 | 0 | 132.421 | 16.8 | 3959.9 |
| 10/18/2016 | 3:00:00 | 0 | 132.442 | 16.8 | 3952.9 |
| 10/18/2016 | 3:15:00 | 0 | 132.428 | 16.8 | 3934.3 |
| 10/18/2016 | 3:30:00 | 0 | 132.449 | 16.8 | 3923.8 |
| 10/18/2016 | 3:45:00 | 0 | 132.452 | 16.8 | 3914.5 |
| 10/18/2016 | 4:00:00 | 0 | 132.41 | 16.8 | 3895.9 |
| 10/18/2016 | 4:15:00 | 0 | 132.449 | 16.8 | 3897.1 |
| 10/18/2016 | 4:30:00 | 0 | 132.469 | 16.8 | 3895.9 |
| 10/18/2016 | 4:45:00 | 0 | 132.452 | 16.8 | 3900.6 |
| 10/18/2016 | 5:00:00 | 0 | 132.449 | 16.8 | 3907.5 |

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|---|---|---|---|---|---|
| 10/18/2016 | 5:15:00 | 0 | 132.427 | 16.8 | 3892.4 |
| 10/18/2016 | 5:30:00 | 0 | 132.444 | 16.8 | 3911 |
| 10/18/2016 | 5:45:00 | 0 | 132.419 | 16.8 | 3911 |
| 10/18/2016 | 6:00:00 | 0 | 132.41 | 16.8 | 3927.3 |
| 10/18/2016 | 6:15:00 | 0 | 132.439 | 16.8 | 3928.5 |
| 10/18/2016 | 6:30:00 | 0 | 132.477 | 16.8 | 3928.5 |
| 10/18/2016 | 6:45:00 | 0 | 132.451 | 16.8 | 3941.3 |
| 10/18/2016 | 7:00:00 | 0 | 132.451 | 16.8 | 3941.3 |
| 10/18/2016 | 7:15:00 | 0 | 132.441 | 16.8 | 3963.4 |
| 10/18/2016 | 7:30:00 | 0 | 132.459 | 16.8 | 3958.8 |
| 10/18/2016 | 7:45:00 | 0 | 132.434 | 16.8 | 3972.7 |
| 10/18/2016 | 8:00:00 | 0 | 132.39 | 16.8 | 3982 |
| 10/18/2016 | 8:15:00 | 0 | 132.442 | 16.8 | 3993.7 |
| 10/18/2016 | 8:30:00 | 0 | 132.396 | 16.8 | 3999.5 |
| 10/18/2016 | 8:45:00 | 0 | 132.474 | 16.8 | 4012.3 |
| 10/18/2016 | 9:00:00 | 0 | 132.495 | 16.8 | 4010 |
| 10/18/2016 | 9:15:00 | 0 | 132.465 | 16.8 | 4007.7 |
| 10/18/2016 | 9:30:00 | 0 | 132.462 | 16.8 | 4017 |
| 10/18/2016 | 9:45:00 | 0 | 132.494 | 16.8 | 4006.5 |
| 10/18/2016 | 10:00:00 | 0 | 132.47 | 16.8 | 4012.3 |
| 10/18/2016 | 10:15:00 | 0 | 132.508 | 16.8 | 4005.3 |
| 10/18/2016 | 10:30:00 | 0 | 132.495 | 16.8 | 3989 |
| 10/18/2016 | 10:45:00 | 0 | 132.529 | 16.8 | 3985.5 |
| 10/18/2016 | 11:00:00 | 0 | 132.517 | 16.8 | 3986.7 |
| 10/18/2016 | 11:15:00 | 0 | 132.502 | 16.8 | 3968.1 |
| 10/18/2016 | 11:30:00 | 0 | 132.558 | 16.8 | 3936.6 |
| 10/18/2016 | 11:45:00 | 0 | 132.542 | 16.8 | 3911 |
| 10/18/2016 | 12:00:00 | 0 | 132.544 | 16.8 | 3909.9 |
| 10/18/2016 | 12:15:00 | 0 | 132.547 | 16.8 | 3868 |
| 10/18/2016 | 12:30:00 | 0 | 132.546 | 16.8 | 3859.8 |
| 10/18/2016 | 12:45:00 | 0 | 132.581 | 16.8 | 3833.1 |
| 10/18/2016 | 13:00:00 | 0 | 132.586 | 16.8 | 3799.3 |
| 10/18/2016 | 13:15:00 | 0 | 132.575 | 16.8 | 3787.7 |
| 10/18/2016 | 13:30:00 | 0 | 132.588 | 16.8 | 3714.3 |
| 10/18/2016 | 13:45:00 | 0 | 132.592 | 16.8 | 3681.7 |
| 10/18/2016 | 14:00:00 | 0 | 132.618 | 16.8 | 3655 |
| 10/18/2016 | 14:15:00 | 0 | 132.567 | 16.8 | 3653.8 |
| 10/18/2016 | 14:30:00 | 0 | 132.611 | 16.8 | 3632.8 |
| 10/18/2016 | 14:45:00 | 0 | 132.584 | 16.8 | 3613.1 |
| 10/18/2016 | 15:00:00 | 0 | 132.587 | 16.8 | 3597.9 |
| 10/18/2016 | 15:15:00 | 0 | 132.574 | 16.8 | 3601.4 |
| 10/18/2016 | 15:30:00 | 0 | 132.626 | 16.8 | 3571.2 |
| 10/18/2016 | 15:45:00 | 0 | 132.633 | 16.8 | 3582.8 |
| 10/18/2016 | 16:00:00 | 0 | 132.583 | 16.8 | 3570 |
| 10/18/2016 | 16:15:00 | 0 | 132.586 | 16.8 | 3575.8 |
| 10/18/2016 | 16:30:00 | 0 | 132.582 | 16.8 | 3596.8 |
| 10/18/2016 | 16:45:00 | 0 | 132.584 | 16.8 | 3595.6 |

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|---|---|---|---|---|---|
| 10/18/2016 | 17:00:00 | 0 | 132.564 | 16.8 | 3627 |
| 10/18/2016 | 17:15:00 | 0 | 132.545 | 16.8 | 3636.3 |
| 10/18/2016 | 17:30:00 | 0 | 132.541 | 16.8 | 3661.9 |
| 10/18/2016 | 17:45:00 | 0 | 132.52 | 16.8 | 3681.7 |
| 10/18/2016 | 18:00:00 | 0 | 132.558 | 16.8 | 3706.2 |
| 10/18/2016 | 18:15:00 | 0 | 132.559 | 16.8 | 3745.8 |
| 10/18/2016 | 18:30:00 | 0 | 132.598 | 16.8 | 3793.5 |
| 10/18/2016 | 18:45:00 | 0 | 132.571 | 16.8 | 3817.9 |
| 10/18/2016 | 19:00:00 | 0 | 132.546 | 16.8 | 3859.8 |
| 10/18/2016 | 19:15:00 | 0 | 132.525 | 16.8 | 3885.4 |
| 10/18/2016 | 19:30:00 | 0 | 132.5 | 16.8 | 3927.3 |
| 10/18/2016 | 19:45:00 | 0 | 132.552 | 16.8 | 3956.4 |
| 10/18/2016 | 20:00:00 | 0 | 132.482 | 16.8 | 3972.7 |
| 10/18/2016 | 20:15:00 | 0 | 132.481 | 16.8 | 4011.1 |
| 10/18/2016 | 20:30:00 | 0 | 132.512 | 16.8 | 4032.1 |
| 10/18/2016 | 20:45:00 | 0 | 132.476 | 16.8 | 4053 |
| 10/18/2016 | 21:00:00 | 0 | 132.473 | 16.8 | 4075.2 |
| 10/18/2016 | 21:15:00 | 0 | 132.469 | 16.8 | 4135.7 |
| 10/18/2016 | 21:30:00 | 0 | 132.463 | 16.8 | 4166 |
| 10/18/2016 | 21:45:00 | 0 | 132.439 | 16.8 | 4184.6 |
| 10/18/2016 | 22:00:00 | 0 | 132.497 | 16.8 | 4198.5 |
| 10/18/2016 | 22:15:00 | 0 | 132.437 | 16.8 | 4203.2 |
| 10/18/2016 | 22:30:00 | 0 | 132.461 | 16.8 | 4209 |
| 10/18/2016 | 22:45:00 | 0 | 132.442 | 16.8 | 4223 |
| 10/18/2016 | 23:00:00 | 0 | 132.46 | 16.8 | 4231.1 |
| 10/18/2016 | 23:15:00 | 0 | 132.472 | 16.8 | 4221.8 |
| 10/18/2016 | 23:30:00 | 0 | 132.413 | 16.8 | 4227.6 |
| 10/18/2016 | 23:45:00 | 0 | 132.412 | 16.8 | 4237 |
| 10/19/2016 | 0:00:00 | 0 | 132.393 | 16.8 | 4224.2 |
| 10/19/2016 | 0:15:00 | 0 | 132.452 | 16.8 | 4227.6 |
| 10/19/2016 | 0:30:00 | 0 | 132.476 | 16.8 | 4216 |
| 10/19/2016 | 0:45:00 | 0 | 132.459 | 16.8 | 4211.4 |
| 10/19/2016 | 1:00:00 | 0 | 132.471 | 16.8 | 4191.6 |
| 10/19/2016 | 1:15:00 | 0 | 132.472 | 16.8 | 4196.2 |
| 10/19/2016 | 1:30:00 | 0 | 132.474 | 16.8 | 4190.4 |
| 10/19/2016 | 1:45:00 | 0 | 132.469 | 16.8 | 4168.3 |
| 10/19/2016 | 2:00:00 | 0 | 132.451 | 16.8 | 4155.5 |
| 10/19/2016 | 2:15:00 | 0 | 132.467 | 16.8 | 4147.3 |
| 10/19/2016 | 2:30:00 | 0 | 132.46 | 16.8 | 4096.1 |
| 10/19/2016 | 2:45:00 | 0 | 132.479 | 16.8 | 4095 |
| 10/19/2016 | 3:00:00 | 0 | 132.46 | 16.8 | 4069.3 |
| 10/19/2016 | 3:15:00 | 0 | 132.485 | 16.8 | 4055.4 |
| 10/19/2016 | 3:30:00 | 0 | 132.468 | 16.8 | 4043.7 |
| 10/19/2016 | 3:45:00 | 0 | 132.451 | 16.8 | 4005.3 |
| 10/19/2016 | 4:00:00 | 0 | 132.515 | 16.8 | 4018.1 |
| 10/19/2016 | 4:15:00 | 0 | 132.477 | 16.8 | 3997.2 |
| 10/19/2016 | 4:30:00 | 0 | 132.48 | 16.8 | 3975.1 |

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|---|---|---|---|---|---|
| 10/19/2016 | 4:45:00 | 0 | 132.521 | 16.8 | 3971.6 |
| 10/19/2016 | 5:00:00 | 0 | 132.476 | 16.8 | 3966.9 |
| 10/19/2016 | 5:15:00 | 0 | 132.515 | 16.8 | 3952.9 |
| 10/19/2016 | 5:30:00 | 0 | 132.517 | 16.8 | 3965.7 |
| 10/19/2016 | 5:45:00 | 0 | 132.516 | 16.8 | 3961.1 |
| 10/19/2016 | 6:00:00 | 0 | 132.517 | 16.8 | 3940.1 |
| 10/19/2016 | 6:15:00 | 0 | 132.535 | 16.8 | 3948.3 |
| 10/19/2016 | 6:30:00 | 0 | 132.534 | 16.8 | 3963.4 |
| 10/19/2016 | 6:45:00 | 0 | 132.472 | 16.8 | 3950.6 |
| 10/19/2016 | 7:00:00 | 0 | 132.531 | 16.8 | 3961.1 |
| 10/19/2016 | 7:15:00 | 0 | 132.546 | 16.8 | 3972.7 |
| 10/19/2016 | 7:30:00 | 0 | 132.505 | 16.8 | 3966.9 |
| 10/19/2016 | 7:45:00 | 0 | 132.521 | 16.8 | 3989 |
| 10/19/2016 | 8:00:00 | 0 | 132.522 | 16.8 | 3993.7 |
| 10/19/2016 | 8:15:00 | 0 | 132.559 | 16.8 | 3972.7 |
| 10/19/2016 | 8:30:00 | 0 | 132.47 | 16.8 | 3994.8 |
| 10/19/2016 | 8:45:00 | 0 | 132.544 | 16.8 | 4005.3 |
| 10/19/2016 | 9:00:00 | 0 | 132.544 | 16.8 | 4006.5 |
| 10/19/2016 | 9:15:00 | 0 | 132.499 | 16.8 | 4006.5 |
| 10/19/2016 | 9:30:00 | 0 | 132.515 | 16.8 | 4018.1 |
| 10/19/2016 | 9:45:00 | 0 | 132.515 | 16.8 | 4019.3 |
| 10/19/2016 | 10:00:00 | 0 | 132.515 | 16.8 | 4018.1 |
| 10/19/2016 | 10:15:00 | 0 | 132.52 | 16.8 | 4006.5 |
| 10/19/2016 | 10:30:00 | 0 | 132.544 | 16.8 | 4013.5 |
| 10/19/2016 | 10:45:00 | 0 | 132.547 | 16.8 | 4019.3 |
| 10/19/2016 | 11:00:00 | 0 | 132.55 | 16.8 | 4011.1 |
| 10/19/2016 | 11:15:00 | 0 | 132.554 | 16.8 | 4005.3 |
| 10/19/2016 | 11:30:00 | 0 | 132.578 | 16.8 | 3997.2 |
| 10/19/2016 | 11:45:00 | 0 | 132.607 | 16.8 | 3978.6 |
| 10/19/2016 | 12:00:00 | 0 | 132.591 | 16.8 | 3948.3 |
| 10/19/2016 | 12:15:00 | 0 | 132.6 | 16.8 | 3940.1 |
| 10/19/2016 | 12:30:00 | 0 | 132.566 | 16.8 | 3927.3 |
| 10/19/2016 | 12:45:00 | 0 | 132.571 | 16.8 | 3908.7 |
| 10/19/2016 | 13:00:00 | 0 | 132.599 | 16.8 | 3897.1 |
| 10/19/2016 | 13:15:00 | 0 | 132.623 | 16.8 | 3868 |
| 10/19/2016 | 13:30:00 | 0 | 132.605 | 16.8 | 3859.8 |
| 10/19/2016 | 13:45:00 | 0 | 132.643 | 16.8 | 3837.7 |
| 10/19/2016 | 14:00:00 | 0 | 132.644 | 16.8 | 3816.8 |
| 10/19/2016 | 14:15:00 | 0 | 132.615 | 16.8 | 3792.3 |
| 10/19/2016 | 14:30:00 | 0 | 132.639 | 16.8 | 3729.5 |
| 10/19/2016 | 14:45:00 | 0 | 132.637 | 16.8 | 3719 |
| 10/19/2016 | 15:00:00 | 0 | 132.64 | 16.8 | 3699.2 |
| 10/19/2016 | 15:15:00 | 0 | 132.637 | 16.8 | 3666.6 |
| 10/19/2016 | 15:30:00 | 0 | 132.661 | 16.8 | 3661.9 |
| 10/19/2016 | 15:45:00 | 0 | 132.663 | 16.8 | 3657.3 |
| 10/19/2016 | 16:00:00 | 0 | 132.626 | 16.8 | 3639.8 |
| 10/19/2016 | 16:15:00 | 0 | 132.606 | 16.8 | 3627 |

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|---|---|---|---|---|---|
| 10/19/2016 | 16:30:00 | 0 | 132.609 | 16.8 | 3636.3 |
| 10/19/2016 | 16:45:00 | 0 | 132.628 | 16.8 | 3636.3 |
| 10/19/2016 | 17:00:00 | 0 | 132.63 | 16.8 | 3643.3 |
| 10/19/2016 | 17:15:00 | 0 | 132.614 | 16.8 | 3639.8 |
| 10/19/2016 | 17:30:00 | 0 | 132.654 | 16.8 | 3655 |
| 10/19/2016 | 17:45:00 | 0 | 132.617 | 16.8 | 3661.9 |
| 10/19/2016 | 18:00:00 | 0 | 132.618 | 16.8 | 3685.2 |
| 10/19/2016 | 18:15:00 | 0 | 132.595 | 16.8 | 3712 |
| 10/19/2016 | 18:30:00 | 0 | 132.595 | 16.8 | 3752.7 |
| 10/19/2016 | 18:45:00 | 0 | 132.601 | 16.8 | 3793.5 |
| 10/19/2016 | 19:00:00 | 0 | 132.577 | 16.8 | 3810.9 |
| 10/19/2016 | 19:15:00 | 0 | 132.594 | 16.8 | 3830.7 |
| 10/19/2016 | 19:30:00 | 0 | 132.549 | 16.8 | 3868 |
| 10/19/2016 | 19:45:00 | 0 | 132.546 | 16.8 | 3888.9 |
| 10/19/2016 | 20:00:00 | 0 | 132.506 | 16.8 | 3916.9 |
| 10/19/2016 | 20:15:00 | 0 | 132.544 | 16.8 | 3962.3 |
| 10/19/2016 | 20:30:00 | 0 | 132.522 | 16.8 | 3992.5 |
| 10/19/2016 | 20:45:00 | 0 | 132.501 | 16.8 | 4004.2 |
| 10/19/2016 | 21:00:00 | 0 | 132.538 | 16.8 | 4033.3 |
| 10/19/2016 | 21:15:00 | 0 | 132.535 | 16.8 | 4072.8 |
| 10/19/2016 | 21:30:00 | 0 | 132.474 | 16.8 | 4110.1 |
| 10/19/2016 | 21:45:00 | 0 | 132.473 | 16.8 | 4153.2 |
| 10/19/2016 | 22:00:00 | 0 | 132.491 | 16.8 | 4172.9 |
| 10/19/2016 | 22:15:00 | 0 | 132.487 | 16.8 | 4179.9 |
| 10/19/2016 | 22:30:00 | 0 | 132.471 | 16.8 | 4199.7 |
| 10/19/2016 | 22:45:00 | 0 | 132.491 | 16.8 | 4209 |
| 10/19/2016 | 23:00:00 | 0 | 132.473 | 16.8 | 4235.8 |
| 10/19/2016 | 23:15:00 | 0 | 132.494 | 16.8 | 4243.9 |
| 10/19/2016 | 23:30:00 | 0 | 132.471 | 16.8 | 4250.9 |
| 10/19/2016 | 23:45:00 | 0 | 132.426 | 16.8 | 4248.6 |

Report Date: 10/21/2016 8:25:57 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-7S LT Test_2016-10-20_15-37-16-998-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-7S
Device Name:
Serial Number: 427086
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 0

Log Configuration
Log Name: MPWSP MW-7S LT Test
Created By: CShaw
Computer Name: PROBOOK3
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 11/28/2015 4:09:42 PM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: 11/28/2015 5:00:00 PM Pacific Standard Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.012

Other Log Settings
Depth of Probe: 33.5876 (ft)
Head Pressure: 14.7359 (PSI)
Temperature: 22.1337 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

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Log Notes:

| Date and Time | Note |
|---|---|
| 11/28/2015 4:09:52 PM | Used Battery: 0% Used Memory: 1% User Name: CShaw |
| 11/28/2015 4:10:40 PM | Sensor SN: 427086 Cache Timeout: 1000 User Name: CShaw |
| 11/28/2015 4:11:47 PM | Device Taken Offline |
| 11/28/2015 4:13:26 PM | Conductivity calibration.<br>Sensor SN: 427086<br>Cell Constant: 1.01973 Cell Offset: 0<br>Reference Temperature: 25 Temperature Coefficient: 0.0191 User Name: CShaw |
| 11/28/2015 4:14:17 PM | Device Put Online |
| 11/28/2015 4:14:18 PM | Sensor SN: 427086 Cache Timeout: 1750 User Name: CShaw |
| 11/29/2015 12:55:05 PM | Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw |
| 12/3/2015 8:40:32 AM | Log Download - Used Battery: 0% Used Memory: 1% User Name: KMakar |
| 12/10/2015 10:54:49 AM | Log Download - Used Battery: 0% Used Memory: 3% User Name: CShaw Interval - Start Time: 11/28/2015 5:00:00 PM Stop Time: 12/10/2015 11:30:00 AM |
| 12/17/2015 10:22:31 AM | Log Download - Used Battery: 1% Used Memory: 3% User Name: KMakar Interval - Start Time: 12/1/2015 12:00:00 PM Stop Time: 12/17/2015 10:15:00 AM |
| 1/3/2016 11:08:12 AM | Log Download - Used Battery: 2% Used Memory: 4% User Name: CShaw Interval - Start Time: 11/30/2015 1:00:00 AM Stop Time: 1/3/2016 11:00:00 AM |
| 1/7/2016 9:38:18 AM | Log Download - Used Battery: 2% Used Memory: 6% User Name: KMakar Interval - Start Time: 12/31/2015 10:00:00 AM Stop Time: 1/7/2016 9:30:00 AM |
| 1/14/2016 11:36:01 AM | Log Download - Used Battery: 2% Used Memory: 6% User Name: KMakar Interval - Start Time: 1/4/2016 10:00:00 AM Stop Time: 1/14/2016 11:30:00 AM |
| 1/21/2016 9:52:24 AM | Log Download - Used Battery: 3% Used Memory: 7% User Name: KMakar Interval - Start Time: 1/12/2016 11:00:00 AM Stop Time: 1/21/2016 9:45:00 AM |
| 1/28/2016 10:10:00 AM | Log Download - Used Battery: 3% Used Memory: 7% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 10:00:00 AM |
| 2/4/2016 10:56:04 AM | Log Download - Used Battery: 3% Used Memory: 9% User Name: CShaw Interval - Start Time: 12/31/2015 1:00:00 PM Stop Time: 2/4/2016 11:45:00 AM |
| 2/11/2016 8:06:16 AM | Log Download - Used Battery: 4% Used Memory: 9% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 9:00:00 AM |
| 2/18/2016 10:45:03 AM | Log Download - Used Battery: 4% Used Memory: 10% User Name: CShaw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 11:00:00 AM |
| 2/25/2016 10:12:00 AM | Log Download - Used Battery: 4% Used Memory: 10% User Name: KMakar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 10:00:00 AM |
| 3/3/2016 11:53:38 AM | Log Download - Used Battery: 5% Used Memory: 12% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 12:45:00 PM |
| 3/10/2016 7:44:16 AM | Log Download - Used Battery: 5% Used Memory: 12% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 7:45:00 AM |
| 3/17/2016 2:24:53 PM | Log Download - Used Battery: 5% Used Memory: 14% User Name: SKuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 3:15:00 PM |
| 3/24/2016 9:41:10 AM | Log Download - Used Battery: 6% Used Memory: 14% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 9:45:00 AM |
| 3/31/2016 12:03:59 PM | Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 12:00:00 PM |
| 4/7/2016 10:57:09 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 10:45:00 AM |
| 4/14/2016 9:09:55 AM | Log Download - Used Battery: 7% Used Memory: 17% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 9:45:00 AM |

4/21/2016 9:05:20 AM Log Download - Used Battery: 7% Used Memory: 18% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 9:30:00 AM
4/28/2016 10:19:22 AM Log Download - Used Battery: 8% Used Memory: 18% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 10:15:00 AM
5/5/2016 8:15:57 AM Log Download - Used Battery: 8% Used Memory: 20% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 9:05:00 AM
5/12/2016 9:13:18 AM Log Download - Used Battery: 8% Used Memory: 20% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 10:00:00 AM
5/19/2016 12:16:23 PM Log Download - Used Battery: 9% Used Memory: 21% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 2:15:00 PM
5/26/2016 8:37:42 AM Log Download - Used Battery: 9% Used Memory: 21% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 AM Stop Time: 5/26/2016 9:30:00 AM
6/2/2016 10:47:40 AM Log Download - Used Battery: 9% Used Memory: 23% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 11:30:00 AM
6/9/2016 8:35:24 AM Log Download - Used Battery: 10% Used Memory: 23% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 9:30:00 AM
6/16/2016 10:23:58 AM Log Download - Used Battery: 10% Used Memory: 25% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 11:00:00 AM
6/23/2016 9:06:49 AM Log Download - Used Battery: 10% Used Memory: 25% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 10:00:00 AM
7/1/2016 10:55:42 AM Log Download - Used Battery: 11% Used Memory: 26% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 10:45:00 AM
7/8/2016 11:18:07 AM Log Download - Used Battery: 11% Used Memory: 26% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 12:00:00 PM
7/14/2016 3:47:33 PM Log Download - Used Battery: 12% Used Memory: 28% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 4:45:00 PM
7/21/2016 4:46:41 PM Log Download - Used Battery: 12% Used Memory: 28% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 5:30:00 PM
7/28/2016 5:35:19 PM Log Download - Used Battery: 12% Used Memory: 29% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 6:30:00 PM
8/4/2016 8:45:40 AM Log Download - Used Battery: 13% Used Memory: 29% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 8:45:00 AM
8/11/2016 11:27:05 AM Log Download - Used Battery: 13% Used Memory: 31% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 12:15:00 PM
8/18/2016 2:52:48 PM Log Download - Used Battery: 13% Used Memory: 31% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 3:45:00 PM
8/25/2016 1:03:44 PM Log Download - Used Battery: 14% Used Memory: 32% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 2:00:00 PM
9/1/2016 10:04:43 AM Log Download - Used Battery: 14% Used Memory: 32% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 10:45:00 AM
9/8/2016 5:49:23 PM Log Download - Used Battery: 14% Used Memory: 34% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 5:45:00 PM
9/15/2016 1:15:00 PM Log Download - Used Battery: 15% Used Memory: 34% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 2:00:00 PM
9/22/2016 11:02:04 AM Log Download - Used Battery: 15% Used Memory: 35% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 12:00:00 PM
10/1/2016 9:35:42 AM Log Download - Used Battery: 16% Used Memory: 37% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 10:30:00 AM
10/7/2016 4:29:40 PM Log Download - Used Battery: 16% Used Memory: 37% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 5:15:00 PM
10/7/2016 4:30:09 PM Log Download - Used Battery: 16% Used Memory: 37% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 4:30:00 PM
10/13/2016 3:44:56 PM Log Download - Used Battery: 16% Used Memory: 39% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 4:30:00 PM
10/20/2016 3:35:05 PM Log Download - Used Battery: 17% Used Memory: 39% User Name: SKuiper Interval -

Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 4:00:00 PM
10/21/2016 8:23:58 AM User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl""

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Log Data:
Record Count: 743
Sensors: 2
1 - 427086: PCTD 30 PSIA (10.9m/35.8ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

| | Sensor: PCTD(A) 35.8ft SN#: 427086 | Sensor: PCTD(A) 35.8ft SN#: 427086 | Sensor: PCTD(A) 35.8ft SN#: 427086 | Sensor: PCTD(A) 35.8ft SN#: 427086 | Sensor: PCTD(A) 35.8ft SN#: 427086 | Sensor: PCTD(A) 35.8ft SN#: 427086 | Sensor: PCTD(A) 35.8ft SN#: 427086 | Sensor: PCTD(A) 35.8ft SN#: 427086 | Sensor: PCTD(A) 35.8ft SN#: 427086 | Sensor: Baro-Adj Calc SN#: 000000 |
|---|---|---|---|---|---|---|---|---|---|---|
| Date and Time | Elapsed Time Seconds | Corrected Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Total Dissolved Solids (ppt) | Salinity (PSU) | Resistivity (ohm-cm) | Water Density (g/cm3) | Barometric Pressure (PSI) |
| 10/13/2016 12:00:00 AM | 7200.000 | 12.046 | 17.639 | 27.456 | 1852.048 | 2155.060 | 1.465 | 1.113 | 539.943 | 1.000 | 14.771 |
| 10/13/2016 12:15:00 AM | 8100.000 | 12.045 | 17.638 | 27.454 | 1854.877 | 2158.360 | 1.468 | 1.115 | 539.119 | 1.000 | 14.771 |
| 10/13/2016 12:30:00 AM | 9000.000 | 12.043 | 17.638 | 27.449 | 1854.939 | 2158.439 | 1.468 | 1.115 | 539.101 | 1.000 | 14.773 |
| 10/13/2016 12:45:00 AM | 9900.000 | 12.042 | 17.638 | 27.447 | 1854.620 | 2158.064 | 1.467 | 1.115 | 539.194 | 1.000 | 14.775 |
| 10/13/2016 1:00:00 AM | 10800.000 | 12.039 | 17.639 | 27.440 | 1852.181 | 2155.205 | 1.466 | 1.113 | 539.904 | 1.000 | 14.777 |
| 10/13/2016 1:15:00 AM | 11700.000 | 12.034 | 17.640 | 27.429 | 1852.739 | 2155.800 | 1.466 | 1.113 | 539.742 | 1.000 | 14.782 |
| 10/13/2016 1:30:00 AM | 12600.000 | 12.045 | 17.639 | 27.453 | 1852.711 | 2155.827 | 1.466 | 1.113 | 539.750 | 1.000 | 14.772 |
| 10/13/2016 1:45:00 AM | 13500.000 | 12.046 | 17.639 | 27.457 | 1854.679 | 2158.095 | 1.468 | 1.115 | 539.177 | 1.000 | 14.770 |
| 10/13/2016 2:00:00 AM | 14400.000 | 12.045 | 17.639 | | | | | | | | |

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|---|---|---|---|
| 27.453 | 1855.501 | 2159.043 | 1.468 |
| 1.115 | 538.938 | 1.000 | 14.774 |
| 10/13/2016 2:15:00 AM | 15300.000 | 12.044 | 17.639 |
| 27.451 | 1853.214 | 2156.416 | 1.466 |
| 1.114 | 539.603 | 1.000 | 14.774 |
| 10/13/2016 2:30:00 AM | 16200.000 | 12.045 | 17.639 |
| 27.454 | 1850.608 | 2153.341 | 1.464 |
| 1.112 | 540.363 | 1.000 | 14.772 |
| 10/13/2016 2:45:00 AM | 17100.000 | 12.045 | 17.638 |
| 27.455 | 1856.336 | 2160.087 | 1.469 |
| 1.116 | 538.696 | 1.000 | 14.773 |
| 10/13/2016 3:00:00 AM | 18000.000 | 12.041 | 17.639 |
| 27.445 | 1853.105 | 2156.289 | 1.466 |
| 1.114 | 539.635 | 1.000 | 14.778 |
| 10/13/2016 3:15:00 AM | 18900.000 | 12.048 | 17.639 |
| 27.462 | 1852.070 | 2155.047 | 1.465 |
| 1.113 | 539.936 | 1.000 | 14.769 |
| 10/13/2016 3:30:00 AM | 19800.000 | 12.053 | 17.639 |
| 27.474 | 1853.830 | 2157.104 | 1.467 |
| 1.114 | 539.424 | 1.000 | 14.764 |
| 10/13/2016 3:45:00 AM | 20700.000 | 12.054 | 17.639 |
| 27.475 | 1853.664 | 2156.927 | 1.467 |
| 1.114 | 539.472 | 1.000 | 14.763 |
| 10/13/2016 4:00:00 AM | 21600.000 | 12.057 | 17.639 |
| 27.481 | 1854.646 | 2158.057 | 1.467 |
| 1.115 | 539.186 | 1.000 | 14.761 |
| 10/13/2016 4:15:00 AM | 22500.000 | 12.052 | 17.640 |
| 27.471 | 1853.212 | 2156.363 | 1.466 |
| 1.114 | 539.604 | 1.000 | 14.763 |
| 10/13/2016 4:30:00 AM | 23400.000 | 12.056 | 17.639 |
| 27.479 | 1855.564 | 2159.142 | 1.468 |
| 1.115 | 538.920 | 1.000 | 14.759 |
| 10/13/2016 4:45:00 AM | 24300.000 | 12.057 | 17.639 |
| 27.481 | 1852.875 | 2155.979 | 1.466 |
| 1.114 | 539.702 | 1.000 | 14.757 |
| 10/13/2016 5:00:00 AM | 25200.000 | 12.056 | 17.639 |
| 27.480 | 1854.294 | 2157.656 | 1.467 |
| 1.114 | 539.289 | 1.000 | 14.757 |
| 10/13/2016 5:15:00 AM | 26100.000 | 12.051 | 17.638 |
| 27.469 | 1855.491 | 2159.082 | 1.468 |
| 1.115 | 538.941 | 1.000 | 14.761 |
| 10/13/2016 5:30:00 AM | 27000.000 | 12.053 | 17.640 |
| 27.473 | 1854.686 | 2158.078 | 1.467 |
| 1.115 | 539.175 | 1.000 | 14.759 |
| 10/13/2016 5:45:00 AM | 27900.000 | 12.058 | 17.639 |
| 27.483 | 1855.161 | 2158.681 | 1.468 |
| 1.115 | 539.037 | 1.000 | 14.755 |
| 10/13/2016 6:00:00 AM | 28800.000 | 12.053 | 17.639 |
| 27.472 | 1854.247 | 2157.572 | 1.467 |
| 1.114 | 539.303 | 1.000 | 14.758 |
| 10/13/2016 6:15:00 AM | 29700.000 | 12.053 | 17.638 |
| 27.472 | 1854.197 | 2157.585 | 1.467 |
| 1.114 | 539.317 | 1.000 | 14.758 |
| 10/13/2016 6:30:00 AM | 30600.000 | 12.050 | 17.639 |
| 27.466 | 1852.256 | 2155.268 | 1.466 |

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|---|---|---|---|
| 1.113 | 539.882 | 1.000 | 14.760 |
| 10/13/2016 6:45:00 AM | 31500.000 | 12.054 | 17.639 |
| 27.476 | 1855.086 | 2158.565 | 1.468 |
| 1.115 | 539.059 | 1.000 | 14.755 |
| 10/13/2016 7:00:00 AM | 32400.000 | 12.056 | 17.639 |
| 27.479 | 1854.524 | 2157.932 | 1.467 |
| 1.115 | 539.222 | 1.000 | 14.754 |
| 10/13/2016 7:15:00 AM | 33300.000 | 12.057 | 17.640 |
| 27.482 | 1854.009 | 2157.290 | 1.467 |
| 1.114 | 539.372 | 1.000 | 14.752 |
| 10/13/2016 7:30:00 AM | 34200.000 | 12.054 | 17.639 |
| 27.475 | 1854.769 | 2158.192 | 1.468 |
| 1.115 | 539.151 | 1.000 | 14.754 |
| 10/13/2016 7:45:00 AM | 35100.000 | 12.054 | 17.639 |
| 27.475 | 1853.630 | 2156.899 | 1.467 |
| 1.114 | 539.482 | 1.000 | 14.754 |
| 10/13/2016 8:00:00 AM | 36000.000 | 12.056 | 17.639 |
| 27.478 | 1855.337 | 2158.861 | 1.468 |
| 1.115 | 538.986 | 1.000 | 14.751 |
| 10/13/2016 8:15:00 AM | 36900.000 | 12.052 | 17.639 |
| 27.471 | 1853.419 | 2156.625 | 1.467 |
| 1.114 | 539.544 | 1.000 | 14.754 |
| 10/13/2016 8:30:00 AM | 37800.000 | 12.047 | 17.638 |
| 27.459 | 1854.411 | 2157.822 | 1.467 |
| 1.115 | 539.255 | 1.000 | 14.757 |
| 10/13/2016 8:45:00 AM | 38700.000 | 12.045 | 17.639 |
| 27.454 | 1851.554 | 2154.456 | 1.465 |
| 1.113 | 540.087 | 1.000 | 14.759 |
| 10/13/2016 9:00:00 AM | 39600.000 | 12.044 | 17.639 |
| 27.452 | 1852.077 | 2155.055 | 1.465 |
| 1.113 | 539.934 | 1.000 | 14.760 |
| 10/13/2016 9:15:00 AM | 40500.000 | 12.044 | 17.639 |
| 27.451 | 1851.703 | 2154.632 | 1.465 |
| 1.113 | 540.043 | 1.000 | 14.761 |
| 10/13/2016 9:30:00 AM | 41400.000 | 12.033 | 17.639 |
| 27.428 | 1853.596 | 2156.822 | 1.467 |
| 1.114 | 539.492 | 1.000 | 14.771 |
| 10/13/2016 9:45:00 AM | 42300.000 | 12.045 | 17.640 |
| 27.454 | 1853.834 | 2157.083 | 1.467 |
| 1.114 | 539.422 | 1.000 | 14.763 |
| 10/13/2016 10:00:00 AM | 43200.000 | 12.034 | 17.639 |
| 27.429 | 1852.338 | 2155.371 | 1.466 |
| 1.113 | 539.858 | 1.000 | 14.774 |
| 10/13/2016 10:15:00 AM | 44100.000 | 12.040 | 17.639 |
| 27.442 | 1853.110 | 2156.277 | 1.466 |
| 1.114 | 539.633 | 1.000 | 14.770 |
| 10/13/2016 10:30:00 AM | 45000.000 | 12.041 | 17.639 |
| 27.444 | 1852.655 | 2155.720 | 1.466 |
| 1.113 | 539.766 | 1.000 | 14.770 |
| 10/13/2016 10:45:00 AM | 45900.000 | 12.037 | 17.639 |
| 27.435 | 1854.678 | 2158.102 | 1.468 |
| 1.115 | 539.177 | 1.000 | 14.773 |
| 10/13/2016 11:00:00 AM | 46800.000 | 12.040 | 17.638 |
| 27.443 | 1855.781 | 2159.411 | 1.468 |
| 1.115 | 538.857 | 1.000 | 14.773 |

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|---|---|---|---|
| 10/13/2016 11:15:00 AM | 47700.000 | 12.036 | 17.639 |
| 27.434 | 1851.705 | 2154.623 | 1.465 |
| 1.113 | 540.043 | 1.000 | 14.776 |
| 10/13/2016 11:30:00 AM | 48600.000 | 12.037 | 17.639 |
| 27.436 | 1850.683 | 2153.463 | 1.464 |
| 1.112 | 540.341 | 1.000 | 14.775 |
| 10/13/2016 11:45:00 AM | 49500.000 | 12.044 | 17.639 |
| 27.452 | 1851.657 | 2154.562 | 1.465 |
| 1.113 | 540.057 | 1.000 | 14.770 |
| 10/13/2016 12:00:00 PM | 50400.000 | 12.044 | 17.639 |
| 27.453 | 1850.127 | 2152.786 | 1.464 |
| 1.112 | 540.503 | 1.000 | 14.770 |
| 10/13/2016 12:15:00 PM | 51300.000 | 12.043 | 17.638 |
| 27.449 | 1850.353 | 2153.092 | 1.464 |
| 1.112 | 540.437 | 1.000 | 14.770 |
| 10/13/2016 12:30:00 PM | 52200.000 | 12.044 | 17.639 |
| 27.452 | 1852.185 | 2155.218 | 1.466 |
| 1.113 | 539.903 | 1.000 | 14.770 |
| 10/13/2016 12:45:00 PM | 53100.000 | 12.049 | 17.639 |
| 27.464 | 1852.308 | 2155.337 | 1.466 |
| 1.113 | 539.867 | 1.000 | 14.765 |
| 10/13/2016 1:00:00 PM | 54000.000 | 12.048 | 17.638 |
| 27.461 | 1854.360 | 2157.770 | 1.467 |
| 1.115 | 539.270 | 1.000 | 14.766 |
| 10/13/2016 1:15:00 PM | 54900.000 | 12.049 | 17.639 |
| 27.464 | 1854.798 | 2158.247 | 1.468 |
| 1.115 | 539.142 | 1.000 | 14.763 |
| 10/13/2016 1:30:00 PM | 55800.000 | 12.060 | 17.638 |
| 27.488 | 1853.748 | 2157.050 | 1.467 |
| 1.114 | 539.448 | 1.000 | 14.753 |
| 10/13/2016 1:45:00 PM | 56700.000 | 12.055 | 17.639 |
| 27.477 | 1850.739 | 2153.511 | 1.464 |
| 1.112 | 540.325 | 1.000 | 14.757 |
| 10/13/2016 2:00:00 PM | 57600.000 | 12.053 | 17.639 |
| 27.473 | 1848.866 | 2151.323 | 1.463 |
| 1.111 | 540.872 | 1.000 | 14.756 |
| 10/13/2016 2:15:00 PM | 58500.000 | 12.054 | 17.639 |
| 27.474 | 1852.392 | 2155.435 | 1.466 |
| 1.113 | 539.842 | 1.000 | 14.755 |
| 10/13/2016 2:30:00 PM | 59400.000 | 12.055 | 17.639 |
| 27.478 | 1851.513 | 2154.412 | 1.465 |
| 1.113 | 540.099 | 1.000 | 14.752 |
| 10/13/2016 2:45:00 PM | 60300.000 | 12.056 | 17.639 |
| 27.480 | 1854.358 | 2157.705 | 1.467 |
| 1.114 | 539.270 | 1.000 | 14.750 |
| 10/13/2016 3:00:00 PM | 61200.000 | 12.055 | 17.639 |
| 27.477 | 1853.109 | 2156.257 | 1.466 |
| 1.114 | 539.634 | 1.000 | 14.750 |
| 10/13/2016 3:15:00 PM | 62100.000 | 12.057 | 17.639 |
| 27.482 | 1852.923 | 2156.073 | 1.466 |
| 1.114 | 539.688 | 1.000 | 14.747 |
| 10/13/2016 3:30:00 PM | 63000.000 | 12.058 | 17.640 |
| 27.485 | 1855.758 | 2159.325 | 1.468 |
| 1.115 | 538.863 | 1.000 | 14.744 |
| 10/13/2016 3:45:00 PM | 63900.000 | 12.057 | 17.640 |

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|---|---|---|---|
| 27.482 | 1848.947 | 2151.396 | 1.463 |
| 1.111 | 540.849 | 1.000 | 14.739 |
| 10/13/2016 4:00:00 PM | 64800.000 | 12.066 | 17.638 |
| 27.503 | 1841.797 | 2143.152 | 1.457 |
| 1.107 | 542.948 | 1.000 | 14.734 |
| 10/13/2016 4:15:00 PM | 65700.000 | 12.061 | 17.639 |
| 27.490 | 1838.115 | 2138.810 | 1.454 |
| 1.104 | 544.036 | 1.000 | 14.739 |
| 10/13/2016 4:30:00 PM | 66600.000 | 12.066 | 17.639 |
| 27.503 | 1836.403 | 2136.809 | 1.453 |
| 1.103 | 544.543 | 1.000 | 14.732 |
| 10/13/2016 4:45:00 PM | 67500.000 | 12.063 | 17.640 |
| 27.495 | 1836.083 | 2136.415 | 1.453 |
| 1.103 | 544.638 | 1.000 | 14.734 |
| 10/13/2016 5:00:00 PM | 68400.000 | 12.066 | 17.639 |
| 27.502 | 1836.646 | 2137.092 | 1.453 |
| 1.103 | 544.471 | 1.000 | 14.729 |
| 10/13/2016 5:15:00 PM | 69300.000 | 12.061 | 17.639 |
| 27.491 | 1835.730 | 2136.034 | 1.453 |
| 1.103 | 544.742 | 1.000 | 14.732 |
| 10/13/2016 5:30:00 PM | 70200.000 | 12.066 | 17.640 |
| 27.502 | 1836.151 | 2136.470 | 1.453 |
| 1.103 | 544.617 | 1.000 | 14.726 |
| 10/13/2016 5:45:00 PM | 71100.000 | 12.068 | 17.639 |
| 27.507 | 1835.265 | 2135.497 | 1.452 |
| 1.102 | 544.880 | 1.000 | 14.722 |
| 10/13/2016 6:00:00 PM | 72000.000 | 12.064 | 17.639 |
| 27.498 | 1835.636 | 2135.950 | 1.452 |
| 1.103 | 544.770 | 1.000 | 14.725 |
| 10/13/2016 6:15:00 PM | 72900.000 | 12.058 | 17.639 |
| 27.485 | 1835.290 | 2135.550 | 1.452 |
| 1.102 | 544.873 | 1.000 | 14.729 |
| 10/13/2016 6:30:00 PM | 73800.000 | 12.055 | 17.640 |
| 27.478 | 1835.478 | 2135.728 | 1.452 |
| 1.103 | 544.817 | 1.000 | 14.732 |
| 10/13/2016 6:45:00 PM | 74700.000 | 12.054 | 17.640 |
| 27.476 | 1835.353 | 2135.579 | 1.452 |
| 1.102 | 544.854 | 1.000 | 14.731 |
| 10/13/2016 7:00:00 PM | 75600.000 | 12.052 | 17.640 |
| 27.469 | 1834.700 | 2134.820 | 1.452 |
| 1.102 | 545.048 | 1.000 | 14.733 |
| 10/13/2016 7:15:00 PM | 76500.000 | 12.057 | 17.639 |
| 27.482 | 1834.271 | 2134.327 | 1.451 |
| 1.102 | 545.176 | 1.000 | 14.728 |
| 10/13/2016 7:30:00 PM | 77400.000 | 12.052 | 17.639 |
| 27.471 | 1834.448 | 2134.562 | 1.452 |
| 1.102 | 545.123 | 1.000 | 14.733 |
| 10/13/2016 7:45:00 PM | 78300.000 | 12.053 | 17.640 |
| 27.472 | 1834.682 | 2134.781 | 1.452 |
| 1.102 | 545.054 | 1.000 | 14.733 |
| 10/13/2016 8:00:00 PM | 79200.000 | 12.047 | 17.639 |
| 27.458 | 1834.844 | 2135.020 | 1.452 |
| 1.102 | 545.005 | 1.000 | 14.739 |
| 10/13/2016 8:15:00 PM | 80100.000 | 12.048 | 17.639 |
| 27.460 | 1835.103 | 2135.321 | 1.452 |

| | | | |
|---|---|---|---|
| 1.102 | 544.929 | 1.000 | 14.733 |
| 10/13/2016 8:30:00 PM | 81000.000 | 12.048 | 17.639 |
| 27.460 | 1834.601 | 2134.733 | 1.452 |
| 1.102 | 545.078 | 1.000 | 14.738 |
| 10/13/2016 8:45:00 PM | 81900.000 | 12.050 | 17.639 |
| 27.466 | 1834.098 | 2134.151 | 1.451 |
| 1.102 | 545.227 | 1.000 | 14.736 |
| 10/13/2016 9:00:00 PM | 82800.000 | 12.051 | 17.639 |
| 27.468 | 1834.345 | 2134.431 | 1.451 |
| 1.102 | 545.154 | 1.000 | 14.735 |
| 10/13/2016 9:15:00 PM | 83700.000 | 12.053 | 17.639 |
| 27.471 | 1835.160 | 2135.366 | 1.452 |
| 1.102 | 544.912 | 1.000 | 14.734 |
| 10/13/2016 9:30:00 PM | 84600.000 | 12.043 | 17.639 |
| 27.451 | 1835.012 | 2135.195 | 1.452 |
| 1.102 | 544.955 | 1.000 | 14.743 |
| 10/13/2016 9:45:00 PM | 85500.000 | 12.043 | 17.640 |
| 27.451 | 1834.761 | 2134.865 | 1.452 |
| 1.102 | 545.030 | 1.000 | 14.744 |
| 10/13/2016 10:00:00 PM | 86400.000 | 12.043 | 17.638 |
| 27.449 | 1834.992 | 2135.217 | 1.452 |
| 1.102 | 544.961 | 1.000 | 14.744 |
| 10/13/2016 10:15:00 PM | 87300.000 | 12.045 | 17.639 |
| 27.455 | 1834.843 | 2135.002 | 1.452 |
| 1.102 | 545.006 | 1.000 | 14.742 |
| 10/13/2016 10:30:00 PM | 88200.000 | 12.049 | 17.640 |
| 27.464 | 1833.810 | 2133.783 | 1.451 |
| 1.102 | 545.313 | 1.000 | 14.741 |
| 10/13/2016 10:45:00 PM | 89100.000 | 12.049 | 17.640 |
| 27.463 | 1833.434 | 2133.330 | 1.451 |
| 1.101 | 545.424 | 1.000 | 14.740 |
| 10/13/2016 11:00:00 PM | 90000.000 | 12.047 | 17.640 |
| 27.459 | 1833.184 | 2133.026 | 1.450 |
| 1.101 | 545.499 | 1.000 | 14.743 |
| 10/13/2016 11:15:00 PM | 90900.000 | 12.044 | 17.639 |
| 27.452 | 1833.674 | 2133.654 | 1.451 |
| 1.101 | 545.353 | 1.000 | 14.748 |
| 10/13/2016 11:30:00 PM | 91800.000 | 12.050 | 17.638 |
| 27.466 | 1833.407 | 2133.381 | 1.451 |
| 1.101 | 545.433 | 1.000 | 14.741 |
| 10/13/2016 11:45:00 PM | 92700.000 | 12.051 | 17.639 |
| 27.468 | 1833.791 | 2133.778 | 1.451 |
| 1.102 | 545.318 | 1.000 | 14.741 |
| 10/14/2016 12:00:00 AM | 93600.000 | 12.051 | 17.640 |
| 27.469 | 1833.024 | 2132.872 | 1.450 |
| 1.101 | 545.547 | 1.000 | 14.739 |
| 10/14/2016 12:15:00 AM | 94500.000 | 12.057 | 17.640 |
| 27.481 | 1832.503 | 2132.241 | 1.450 |
| 1.101 | 545.702 | 1.000 | 14.734 |
| 10/14/2016 12:30:00 AM | 95400.000 | 12.053 | 17.640 |
| 27.471 | 1832.462 | 2132.211 | 1.450 |
| 1.101 | 545.714 | 1.000 | 14.737 |
| 10/14/2016 12:45:00 AM | 96300.000 | 12.060 | 17.639 |
| 27.488 | 1833.403 | 2133.335 | 1.451 |
| 1.101 | 545.434 | 1.000 | 14.731 |

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| 10/14/2016 1:00:00 AM | 97200.000 | 12.058 | 17.640 |
| 27.484 | 1834.230 | 2134.260 | 1.451 |
| 1.102 | 545.188 | 1.000 | 14.731 |
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| 27.486 | 1834.013 | 2134.007 | 1.451 |
| 1.102 | 545.253 | 1.000 | 14.729 |
| 10/14/2016 1:30:00 AM | 99000.000 | 12.062 | 17.640 |
| 27.494 | 1834.651 | 2134.745 | 1.452 |
| 1.102 | 545.063 | 1.000 | 14.725 |
| 10/14/2016 1:45:00 AM | 99900.000 | 12.054 | 17.639 |
| 27.475 | 1834.758 | 2134.927 | 1.452 |
| 1.102 | 545.031 | 1.000 | 14.732 |
| 10/14/2016 2:00:00 AM | 100800.000 | 12.052 | 17.640 |
| 27.470 | 1834.136 | 2134.150 | 1.451 |
| 1.102 | 545.216 | 1.000 | 14.733 |
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| 27.480 | 1833.773 | 2133.724 | 1.451 |
| 1.101 | 545.324 | 1.000 | 14.730 |
| 10/14/2016 2:30:00 AM | 102600.000 | 12.056 | 17.639 |
| 27.478 | 1834.927 | 2135.108 | 1.452 |
| 1.102 | 544.981 | 1.000 | 14.730 |
| 10/14/2016 2:45:00 AM | 103500.000 | 12.052 | 17.639 |
| 27.470 | 1835.592 | 2135.902 | 1.452 |
| 1.103 | 544.783 | 1.000 | 14.732 |
| 10/14/2016 3:00:00 AM | 104400.000 | 12.058 | 17.640 |
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| 1.102 | 544.862 | 1.000 | 14.727 |
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| 27.473 | 1834.807 | 2134.922 | 1.452 |
| 1.102 | 545.017 | 1.000 | 14.732 |
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| 27.467 | 1834.782 | 2134.910 | 1.452 |
| 1.102 | 545.024 | 1.000 | 14.734 |
| 10/14/2016 3:45:00 AM | 107100.000 | 12.050 | 17.639 |
| 27.466 | 1834.762 | 2134.903 | 1.452 |
| 1.102 | 545.030 | 1.000 | 14.733 |
| 10/14/2016 4:00:00 AM | 108000.000 | 12.049 | 17.639 |
| 27.463 | 1835.324 | 2135.582 | 1.452 |
| 1.102 | 544.863 | 1.000 | 14.736 |
| 10/14/2016 4:15:00 AM | 108900.000 | 12.048 | 17.639 |
| 27.462 | 1836.015 | 2136.383 | 1.453 |
| 1.103 | 544.658 | 1.000 | 14.736 |
| 10/14/2016 4:30:00 AM | 109800.000 | 12.050 | 17.639 |
| 27.465 | 1835.754 | 2136.066 | 1.453 |
| 1.103 | 544.735 | 1.000 | 14.735 |
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| 27.489 | 1834.986 | 2135.127 | 1.452 |
| 1.102 | 544.963 | 1.000 | 14.725 |
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| 27.470 | 1834.793 | 2134.969 | 1.452 |
| 1.102 | 545.021 | 1.000 | 14.731 |
| 10/14/2016 5:15:00 AM | 112500.000 | 12.060 | 17.639 |
| 27.489 | 1833.520 | 2133.454 | 1.451 |
| 1.101 | 545.399 | 1.000 | 14.724 |
| 10/14/2016 5:30:00 AM | 113400.000 | 12.058 | 17.639 |

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| 27.483 | 1833.229 | 2133.128 | 1.451 |
| 1.101 | 545.486 | 1.000 | 14.726 |
| 10/14/2016 5:45:00 AM | 114300.000 | 12.061 | 17.639 |
| 27.490 | 1833.618 | 2133.572 | 1.451 |
| 1.101 | 545.370 | 1.000 | 14.721 |
| 10/14/2016 6:00:00 AM | 115200.000 | 12.057 | 17.639 |
| 27.482 | 1833.747 | 2133.735 | 1.451 |
| 1.101 | 545.332 | 1.000 | 14.726 |
| 10/14/2016 6:15:00 AM | 116100.000 | 12.058 | 17.639 |
| 27.484 | 1833.146 | 2133.052 | 1.450 |
| 1.101 | 545.510 | 1.000 | 14.722 |
| 10/14/2016 6:30:00 AM | 117000.000 | 12.052 | 17.640 |
| 27.469 | 1833.393 | 2133.286 | 1.451 |
| 1.101 | 545.437 | 1.000 | 14.728 |
| 10/14/2016 6:45:00 AM | 117900.000 | 12.054 | 17.639 |
| 27.475 | 1833.404 | 2133.344 | 1.451 |
| 1.101 | 545.434 | 1.000 | 14.726 |
| 10/14/2016 7:00:00 AM | 118800.000 | 12.057 | 17.639 |
| 27.482 | 1833.207 | 2133.090 | 1.451 |
| 1.101 | 545.492 | 1.000 | 14.723 |
| 10/14/2016 7:15:00 AM | 119700.000 | 12.053 | 17.640 |
| 27.474 | 1833.587 | 2133.507 | 1.451 |
| 1.101 | 545.379 | 1.000 | 14.727 |
| 10/14/2016 7:30:00 AM | 120600.000 | 12.054 | 17.638 |
| 27.475 | 1833.542 | 2133.529 | 1.451 |
| 1.101 | 545.393 | 1.000 | 14.725 |
| 10/14/2016 7:45:00 AM | 121500.000 | 12.054 | 17.640 |
| 27.474 | 1834.092 | 2134.098 | 1.451 |
| 1.102 | 545.229 | 1.000 | 14.723 |
| 10/14/2016 8:00:00 AM | 122400.000 | 12.053 | 17.639 |
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| 1.102 | 545.250 | 1.000 | 14.726 |
| 10/14/2016 8:15:00 AM | 123300.000 | 12.044 | 17.640 |
| 27.452 | 1833.231 | 2133.085 | 1.450 |
| 1.101 | 545.485 | 1.000 | 14.735 |
| 10/14/2016 8:30:00 AM | 124200.000 | 12.051 | 17.638 |
| 27.469 | 1833.108 | 2133.033 | 1.450 |
| 1.101 | 545.522 | 1.000 | 14.729 |
| 10/14/2016 8:45:00 AM | 125100.000 | 12.049 | 17.639 |
| 27.462 | 1833.126 | 2133.021 | 1.450 |
| 1.101 | 545.516 | 1.000 | 14.733 |
| 10/14/2016 9:00:00 AM | 126000.000 | 12.048 | 17.639 |
| 27.461 | 1833.321 | 2133.256 | 1.451 |
| 1.101 | 545.458 | 1.000 | 14.734 |
| 10/14/2016 9:15:00 AM | 126900.000 | 12.042 | 17.640 |
| 27.448 | 1832.992 | 2132.823 | 1.450 |
| 1.101 | 545.556 | 1.000 | 14.741 |
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| 27.457 | 1831.789 | 2131.440 | 1.449 |
| 1.100 | 545.914 | 1.000 | 14.736 |
| 10/14/2016 9:45:00 AM | 128700.000 | 12.041 | 17.639 |
| 27.445 | 1831.381 | 2130.986 | 1.449 |
| 1.100 | 546.036 | 1.000 | 14.743 |
| 10/14/2016 10:00:00 AM | 129600.000 | 12.048 | 17.639 |
| 27.462 | 1831.703 | 2131.352 | 1.449 |

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| 1.100 | 545.940 | 1.000 | 14.736 |
| 10/14/2016 10:15:00 AM | 130500.000 | 12.051 | 17.639 |
| 27.468 | 1832.683 | 2132.497 | 1.450 |
| 1.101 | 545.648 | 1.000 | 14.734 |
| 10/14/2016 10:30:00 AM | 131400.000 | 12.062 | 17.639 |
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| 1.101 | 545.698 | 1.000 | 14.734 |
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| 10/14/2016 11:30:00 AM | 135000.000 | 12.055 | 17.640 |
| 27.477 | 1839.327 | 2140.202 | 1.455 |
| 1.105 | 543.677 | 1.000 | 14.731 |
| 10/14/2016 11:45:00 AM | 135900.000 | 12.050 | 17.640 |
| 27.466 | 1840.200 | 2141.218 | 1.456 |
| 1.106 | 543.419 | 1.000 | 14.730 |
| 10/14/2016 12:00:00 PM | 136800.000 | 12.055 | 17.639 |
| 27.477 | 1840.296 | 2141.343 | 1.456 |
| 1.106 | 543.391 | 1.000 | 14.729 |
| 10/14/2016 12:15:00 PM | 137700.000 | 12.055 | 17.639 |
| 27.478 | 1840.435 | 2141.529 | 1.456 |
| 1.106 | 543.350 | 1.000 | 14.728 |
| 10/14/2016 12:30:00 PM | 138600.000 | 12.061 | 17.640 |
| 27.490 | 1842.593 | 2144.007 | 1.458 |
| 1.107 | 542.713 | 1.000 | 14.721 |
| 10/14/2016 12:45:00 PM | 139500.000 | 12.055 | 17.639 |
| 27.478 | 1843.185 | 2144.701 | 1.458 |
| 1.107 | 542.539 | 1.000 | 14.727 |
| 10/14/2016 1:00:00 PM | 140400.000 | 12.056 | 17.641 |
| 27.480 | 1841.939 | 2143.192 | 1.457 |
| 1.107 | 542.906 | 1.000 | 14.725 |
| 10/14/2016 1:15:00 PM | 141300.000 | 12.064 | 17.641 |
| 27.499 | 1841.568 | 2142.764 | 1.457 |
| 1.106 | 543.016 | 1.000 | 14.716 |
| 10/14/2016 1:30:00 PM | 142200.000 | 12.063 | 17.640 |
| 27.494 | 1841.667 | 2142.925 | 1.457 |
| 1.106 | 542.986 | 1.000 | 14.716 |
| 10/14/2016 1:45:00 PM | 143100.000 | 12.069 | 17.640 |
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| 1.106 | 543.108 | 1.000 | 14.708 |
| 10/14/2016 2:00:00 PM | 144000.000 | 12.067 | 17.641 |
| 27.505 | 1841.756 | 2142.988 | 1.457 |
| 1.107 | 542.960 | 1.000 | 14.709 |
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| 1.106 | 543.123 | 1.000 | 14.710 |
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| 27.499 | 1841.847 | 2143.127 | 1.457 |
| 1.107 | 542.933 | 1.000 | 14.708 |

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| 10/14/2016 2:45:00 PM | 146700.000 | 12.066 | 17.639 |
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| 1.106 | 543.050 | 1.000 | 14.703 |
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| 27.502 | 1843.141 | 2144.607 | 1.458 |
| 1.107 | 542.552 | 1.000 | 14.703 |
| 10/14/2016 3:30:00 PM | 149400.000 | 12.071 | 17.640 |
| 27.514 | 1842.524 | 2143.914 | 1.458 |
| 1.107 | 542.734 | 1.000 | 14.697 |
| 10/14/2016 3:45:00 PM | 150300.000 | 12.071 | 17.640 |
| 27.514 | 1843.429 | 2144.959 | 1.459 |
| 1.108 | 542.467 | 1.000 | 14.696 |
| 10/14/2016 4:00:00 PM | 151200.000 | 12.061 | 17.640 |
| 27.491 | 1844.075 | 2145.731 | 1.459 |
| 1.108 | 542.277 | 1.000 | 14.704 |
| 10/14/2016 4:15:00 PM | 152100.000 | 12.065 | 17.640 |
| 27.499 | 1843.002 | 2144.479 | 1.458 |
| 1.107 | 542.593 | 1.000 | 14.700 |
| 10/14/2016 4:30:00 PM | 153000.000 | 12.067 | 17.641 |
| 27.504 | 1843.526 | 2145.043 | 1.459 |
| 1.108 | 542.439 | 1.000 | 14.697 |
| 10/14/2016 4:45:00 PM | 153900.000 | 12.067 | 17.640 |
| 27.504 | 1842.948 | 2144.387 | 1.458 |
| 1.107 | 542.609 | 1.000 | 14.696 |
| 10/14/2016 5:00:00 PM | 154800.000 | 12.067 | 17.639 |
| 27.505 | 1842.246 | 2143.633 | 1.458 |
| 1.107 | 542.816 | 1.000 | 14.694 |
| 10/14/2016 5:15:00 PM | 155700.000 | 12.066 | 17.639 |
| 27.503 | 1842.427 | 2143.831 | 1.458 |
| 1.107 | 542.762 | 1.000 | 14.694 |
| 10/14/2016 5:30:00 PM | 156600.000 | 12.066 | 17.640 |
| 27.502 | 1841.851 | 2143.119 | 1.457 |
| 1.107 | 542.932 | 1.000 | 14.694 |
| 10/14/2016 5:45:00 PM | 157500.000 | 12.062 | 17.641 |
| 27.494 | 1842.496 | 2143.836 | 1.458 |
| 1.107 | 542.742 | 1.000 | 14.696 |
| 10/14/2016 6:00:00 PM | 158400.000 | 12.066 | 17.640 |
| 27.503 | 1840.681 | 2141.741 | 1.456 |
| 1.106 | 543.277 | 1.000 | 14.693 |
| 10/14/2016 6:15:00 PM | 159300.000 | 12.059 | 17.640 |
| 27.487 | 1841.814 | 2143.093 | 1.457 |
| 1.107 | 542.943 | 1.000 | 14.699 |
| 10/14/2016 6:30:00 PM | 160200.000 | 12.061 | 17.640 |
| 27.491 | 1841.401 | 2142.595 | 1.457 |
| 1.106 | 543.065 | 1.000 | 14.696 |
| 10/14/2016 6:45:00 PM | 161100.000 | 12.063 | 17.640 |
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| 1.105 | 543.468 | 1.000 | 14.695 |
| 10/14/2016 7:00:00 PM | 162000.000 | 12.059 | 17.640 |
| 27.486 | 1841.216 | 2142.397 | 1.457 |
| 1.106 | 543.119 | 1.000 | 14.697 |
| 10/14/2016 7:15:00 PM | 162900.000 | 12.057 | 17.640 |

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| 1.107 | 542.972 | 1.000 | 14.699 |
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| 1.106 | 543.087 | 1.000 | 14.709 |
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| 27.477 | 1840.498 | 2141.615 | 1.456 |
| 1.106 | 543.331 | 1.000 | 14.702 |
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| 1.106 | 543.301 | 1.000 | 14.705 |
| 10/14/2016 8:15:00 PM | 166500.000 | 12.054 | 17.640 |
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| 1.105 | 543.756 | 1.000 | 14.699 |
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| 1.105 | 543.552 | 1.000 | 14.705 |
| 10/14/2016 9:00:00 PM | 169200.000 | 12.055 | 17.639 |
| 27.478 | 1840.400 | 2141.476 | 1.456 |
| 1.106 | 543.360 | 1.000 | 14.703 |
| 10/14/2016 9:15:00 PM | 170100.000 | 12.051 | 17.640 |
| 27.468 | 1839.709 | 2140.639 | 1.456 |
| 1.105 | 543.564 | 1.000 | 14.707 |
| 10/14/2016 9:30:00 PM | 171000.000 | 12.054 | 17.640 |
| 27.474 | 1841.277 | 2142.438 | 1.457 |
| 1.106 | 543.101 | 1.000 | 14.705 |
| 10/14/2016 9:45:00 PM | 171900.000 | 12.050 | 17.641 |
| 27.467 | 1842.693 | 2144.077 | 1.458 |
| 1.107 | 542.684 | 1.000 | 14.709 |
| 10/14/2016 10:00:00 PM | 172800.000 | 12.049 | 17.641 |
| 27.464 | 1840.909 | 2141.994 | 1.457 |
| 1.106 | 543.210 | 1.000 | 14.711 |
| 10/14/2016 10:15:00 PM | 173700.000 | 12.058 | 17.640 |
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| 1.107 | 542.737 | 1.000 | 14.703 |
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| 27.478 | 1841.082 | 2142.245 | 1.457 |
| 1.106 | 543.159 | 1.000 | 14.708 |
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| 27.461 | 1841.231 | 2142.451 | 1.457 |
| 1.106 | 543.115 | 1.000 | 14.714 |
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| 27.476 | 1839.541 | 2140.444 | 1.456 |
| 1.105 | 543.614 | 1.000 | 14.709 |
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| 27.474 | 1839.694 | 2140.593 | 1.456 |
| 1.105 | 543.569 | 1.000 | 14.710 |
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| 1.105 | 543.494 | 1.000 | 14.713 |
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| 27.469 | 1839.297 | 2140.155 | 1.455 |

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| 10/15/2016 12:00:00 AM | 180000.000 | 12.050 | 17.640 |
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| 1.106 | 543.005 | 1.000 | 14.715 |
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| 1.107 | 542.947 | 1.000 | 14.708 |
| 10/15/2016 12:30:00 AM | 181800.000 | 12.060 | 17.640 |
| 27.489 | 1840.941 | 2142.052 | 1.457 |
| 1.106 | 543.200 | 1.000 | 14.705 |
| 10/15/2016 12:45:00 AM | 182700.000 | 12.056 | 17.640 |
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| 1.107 | 542.685 | 1.000 | 14.710 |
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| 1.106 | 543.211 | 1.000 | 14.702 |
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| 1.106 | 543.234 | 1.000 | 14.708 |
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| 1.107 | 542.922 | 1.000 | 14.709 |
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| 1.106 | 543.019 | 1.000 | 14.707 |
| 10/15/2016 2:00:00 AM | 187200.000 | 12.060 | 17.640 |
| 27.489 | 1839.953 | 2140.906 | 1.456 |
| 1.105 | 543.492 | 1.000 | 14.706 |
| 10/15/2016 2:15:00 AM | 188100.000 | 12.052 | 17.640 |
| 27.471 | 1841.484 | 2142.705 | 1.457 |
| 1.106 | 543.040 | 1.000 | 14.713 |
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| 1.107 | 542.959 | 1.000 | 14.711 |
| 10/15/2016 2:45:00 AM | 189900.000 | 12.062 | 17.640 |
| 27.493 | 1841.173 | 2142.325 | 1.457 |
| 1.106 | 543.132 | 1.000 | 14.702 |
| 10/15/2016 3:00:00 AM | 190800.000 | 12.058 | 17.640 |
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| 1.107 | 542.934 | 1.000 | 14.706 |
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| 1.107 | 542.755 | 1.000 | 14.704 |
| 10/15/2016 3:30:00 AM | 192600.000 | 12.058 | 17.640 |
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| 1.107 | 542.705 | 1.000 | 14.707 |
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| 10/15/2016 4:15:00 AM | 195300.000 | 12.062 | 17.639 |
| 27.494 | 1841.097 | 2142.295 | 1.457 |
| 1.106 | 543.155 | 1.000 | 14.700 |

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| 10/15/2016 4:30:00 AM | 196200.000 | 12.065 | 17.641 |
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| 1.106 | 543.004 | 1.000 | 14.693 |
| 10/15/2016 4:45:00 AM | 197100.000 | 12.068 | 17.640 |
| 27.506 | 1840.784 | 2141.877 | 1.456 |
| 1.106 | 543.247 | 1.000 | 14.693 |
| 10/15/2016 5:00:00 AM | 198000.000 | 12.062 | 17.639 |
| 27.494 | 1839.264 | 2140.155 | 1.455 |
| 1.105 | 543.696 | 1.000 | 14.697 |
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| 1.106 | 543.226 | 1.000 | 14.697 |
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| 1.105 | 543.885 | 1.000 | 14.695 |
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| 1.104 | 543.954 | 1.000 | 14.708 |
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| 27.466 | 1839.030 | 2139.869 | 1.455 |
| 1.105 | 543.765 | 1.000 | 14.707 |
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| 1.105 | 543.473 | 1.000 | 14.705 |
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| 1.105 | 543.465 | 1.000 | 14.700 |
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| 1.105 | 543.614 | 1.000 | 14.702 |
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| 27.479 | 1839.722 | 2140.684 | 1.456 |
| 1.105 | 543.560 | 1.000 | 14.703 |
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| 1.106 | 543.389 | 1.000 | 14.698 |
| 10/15/2016 8:45:00 AM | 211500.000 | 12.063 | 17.639 |
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| 1.105 | 543.500 | 1.000 | 14.697 |
| 10/15/2016 9:00:00 AM | 212400.000 | 12.056 | 17.640 |

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| 1.105 | 543.466 | 1.000 | 14.704 |
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| 1.106 | 543.413 | 1.000 | 14.704 |
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| 1.105 | 543.497 | 1.000 | 14.705 |
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| 27.469 | 1840.114 | 2141.094 | 1.456 |
| 1.105 | 543.445 | 1.000 | 14.710 |
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| 27.476 | 1840.094 | 2141.087 | 1.456 |
| 1.105 | 543.450 | 1.000 | 14.709 |
| 10/15/2016 11:15:00 AM | 220500.000 | 12.053 | 17.640 |
| 27.474 | 1842.244 | 2143.584 | 1.458 |
| 1.107 | 542.816 | 1.000 | 14.710 |
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| 27.491 | 1842.572 | 2143.957 | 1.458 |
| 1.107 | 542.720 | 1.000 | 14.703 |
| 10/15/2016 11:45:00 AM | 222300.000 | 12.065 | 17.639 |
| 27.499 | 1842.801 | 2144.257 | 1.458 |
| 1.107 | 542.652 | 1.000 | 14.699 |
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| 1.106 | 543.004 | 1.000 | 14.698 |
| 10/15/2016 12:15:00 PM | 224100.000 | 12.066 | 17.639 |
| 27.502 | 1841.036 | 2142.225 | 1.457 |
| 1.106 | 543.172 | 1.000 | 14.694 |
| 10/15/2016 12:30:00 PM | 225000.000 | 12.066 | 17.640 |
| 27.503 | 1841.799 | 2143.055 | 1.457 |
| 1.107 | 542.947 | 1.000 | 14.693 |
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| 27.502 | 1841.198 | 2142.372 | 1.457 |
| 1.106 | 543.125 | 1.000 | 14.693 |
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| 27.505 | 1839.566 | 2140.472 | 1.456 |
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| 1.106 | 543.080 | 1.000 | 14.677 |
| 10/15/2016 1:30:00 PM | 228600.000 | 12.075 | 17.640 |
| 27.523 | 1842.224 | 2143.549 | 1.458 |

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| 27.532 | 1842.347 | 2143.717 | 1.458 |
| 1.107 | 542.786 | 1.000 | 14.667 |
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| 27.542 | 1842.937 | 2144.440 | 1.458 |
| 1.107 | 542.612 | 1.000 | 14.659 |
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| 10/15/2016 3:00:00 PM | 234000.000 | 12.080 | 17.639 |
| 27.533 | 1842.893 | 2144.364 | 1.458 |
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| 27.512 | 1842.188 | 2143.498 | 1.458 |
| 1.107 | 542.833 | 1.000 | 14.664 |
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| 27.515 | 1844.355 | 2146.065 | 1.459 |
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| 27.518 | 1845.477 | 2147.317 | 1.460 |
| 1.109 | 541.865 | 1.000 | 14.660 |
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| 27.530 | 1843.132 | 2144.597 | 1.458 |
| 1.107 | 542.555 | 1.000 | 14.655 |
| 10/15/2016 4:15:00 PM | 238500.000 | 12.071 | 17.639 |
| 27.514 | 1842.525 | 2143.970 | 1.458 |
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| 1.107 | 542.714 | 1.000 | 14.669 |
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| 27.497 | 1843.869 | 2145.475 | 1.459 |
| 1.108 | 542.338 | 1.000 | 14.667 |
| 10/15/2016 5:15:00 PM | 242100.000 | 12.061 | 17.640 |
| 27.491 | 1841.631 | 2142.880 | 1.457 |
| 1.106 | 542.997 | 1.000 | 14.668 |
| 10/15/2016 5:30:00 PM | 243000.000 | 12.061 | 17.640 |
| 27.490 | 1842.300 | 2143.650 | 1.458 |
| 1.107 | 542.800 | 1.000 | 14.670 |
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| 27.503 | 1845.313 | 2147.156 | 1.460 |
| 1.109 | 541.913 | 1.000 | 14.664 |

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| 1.107 | 542.952 | 1.000 | 14.662 |
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| 1.107 | 542.933 | 1.000 | 14.662 |
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| 1.106 | 543.266 | 1.000 | 14.672 |
| 10/15/2016 9:15:00 PM | 256500.000 | 12.060 | 17.639 |
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| 1.106 | 543.224 | 1.000 | 14.664 |
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| 1.106 | 543.061 | 1.000 | 14.672 |
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| 1.108 | 542.441 | 1.000 | 14.677 |
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| 1.106 | 543.011 | 1.000 | 14.678 |
| 10/16/2016 12:15:00 AM | 267300.000 | 12.059 | 17.640 |
| 27.485 | 1842.117 | 2143.436 | 1.458 |
| 1.107 | 542.854 | 1.000 | 14.677 |
| 10/16/2016 12:30:00 AM | 268200.000 | 12.055 | 17.641 |
| 27.478 | 1839.044 | 2139.823 | 1.455 |
| 1.105 | 543.761 | 1.000 | 14.681 |
| 10/16/2016 12:45:00 AM | 269100.000 | 12.053 | 17.641 |
| 27.473 | 1839.872 | 2140.787 | 1.456 |
| 1.105 | 543.516 | 1.000 | 14.684 |
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| 27.472 | 1839.449 | 2140.374 | 1.455 |
| 1.105 | 543.641 | 1.000 | 14.683 |
| 10/16/2016 1:15:00 AM | 270900.000 | 12.058 | 17.640 |
| 27.484 | 1839.835 | 2140.785 | 1.456 |
| 1.105 | 543.527 | 1.000 | 14.680 |
| 10/16/2016 1:30:00 AM | 271800.000 | 12.056 | 17.640 |
| 27.479 | 1839.048 | 2139.870 | 1.455 |
| 1.105 | 543.760 | 1.000 | 14.682 |
| 10/16/2016 1:45:00 AM | 272700.000 | 12.057 | 17.640 |
| 27.482 | 1842.330 | 2143.668 | 1.458 |
| 1.107 | 542.791 | 1.000 | 14.682 |
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| 1.107 | 542.710 | 1.000 | 14.686 |
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| 1.108 | 542.459 | 1.000 | 14.684 |
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| 1.108 | 542.232 | 1.000 | 14.682 |
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| 1.108 | 542.361 | 1.000 | 14.684 |
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| 1.108 | 542.355 | 1.000 | 14.678 |
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| 1.108 | 542.355 | 1.000 | 14.673 |
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| 1.107 | 542.641 | 1.000 | 14.674 |
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| 1.107 | 542.963 | 1.000 | 14.672 |
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| 1.106 | 543.183 | 1.000 | 14.672 |
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| 1.107 | 542.682 | 1.000 | 14.673 |
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| 27.505 | 1840.469 | 2141.494 | 1.456 |
| 1.106 | 543.340 | 1.000 | 14.669 |
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| 27.484 | 1839.987 | 2140.946 | 1.456 |
| 1.105 | 543.482 | 1.000 | 14.677 |
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| 27.501 | 1842.920 | 2144.342 | 1.458 |
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| 1.107 | 542.831 | 1.000 | 14.668 |
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| 27.495 | 1839.618 | 2140.538 | 1.456 |
| 1.105 | 543.591 | 1.000 | 14.671 |
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| 1.107 | 542.852 | 1.000 | 14.666 |

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| 1.106 | 543.203 | 1.000 | 14.667 |
| 10/16/2016 8:45:00 AM | 297900.000 | 12.063 | 17.640 |
| 27.495 | 1841.042 | 2142.182 | 1.457 |
| 1.106 | 543.171 | 1.000 | 14.668 |
| 10/16/2016 9:00:00 AM | 298800.000 | 12.067 | 17.640 |
| 27.504 | 1841.688 | 2142.925 | 1.457 |
| 1.106 | 542.980 | 1.000 | 14.662 |
| 10/16/2016 9:15:00 AM | 299700.000 | 12.070 | 17.641 |
| 27.511 | 1840.271 | 2141.247 | 1.456 |
| 1.106 | 543.398 | 1.000 | 14.661 |
| 10/16/2016 9:30:00 AM | 300600.000 | 12.066 | 17.640 |
| 27.501 | 1839.867 | 2140.806 | 1.456 |
| 1.105 | 543.517 | 1.000 | 14.664 |
| 10/16/2016 9:45:00 AM | 301500.000 | 12.067 | 17.640 |
| 27.504 | 1841.655 | 2142.882 | 1.457 |
| 1.106 | 542.990 | 1.000 | 14.663 |
| 10/16/2016 10:00:00 AM | 302400.000 | 12.064 | 17.640 |
| 27.498 | 1843.333 | 2144.848 | 1.458 |
| 1.108 | 542.495 | 1.000 | 14.664 |
| 10/16/2016 10:15:00 AM | 303300.000 | 12.064 | 17.640 |
| 27.498 | 1843.464 | 2144.987 | 1.459 |
| 1.108 | 542.457 | 1.000 | 14.665 |
| 10/16/2016 10:30:00 AM | 304200.000 | 12.069 | 17.640 |
| 27.509 | 1842.336 | 2143.671 | 1.458 |
| 1.107 | 542.789 | 1.000 | 14.660 |
| 10/16/2016 10:45:00 AM | 305100.000 | 12.069 | 17.639 |
| 27.509 | 1842.100 | 2143.454 | 1.458 |
| 1.107 | 542.859 | 1.000 | 14.659 |
| 10/16/2016 11:00:00 AM | 306000.000 | 12.068 | 17.640 |
| 27.506 | 1840.337 | 2141.345 | 1.456 |
| 1.106 | 543.379 | 1.000 | 14.660 |
| 10/16/2016 11:15:00 AM | 306900.000 | 12.068 | 17.641 |
| 27.507 | 1840.349 | 2141.325 | 1.456 |
| 1.106 | 543.375 | 1.000 | 14.658 |
| 10/16/2016 11:30:00 AM | 307800.000 | 12.067 | 17.639 |
| 27.505 | 1840.234 | 2141.292 | 1.456 |
| 1.106 | 543.409 | 1.000 | 14.658 |
| 10/16/2016 11:45:00 AM | 308700.000 | 12.067 | 17.640 |
| 27.503 | 1839.014 | 2139.805 | 1.455 |
| 1.105 | 543.770 | 1.000 | 14.659 |
| 10/16/2016 12:00:00 PM | 309600.000 | 12.073 | 17.641 |
| 27.517 | 1841.348 | 2142.492 | 1.457 |
| 1.106 | 543.080 | 1.000 | 14.652 |
| 10/16/2016 12:15:00 PM | 310500.000 | 12.077 | 17.640 |
| 27.527 | 1840.770 | 2141.844 | 1.456 |
| 1.106 | 543.251 | 1.000 | 14.647 |
| 10/16/2016 12:30:00 PM | 311400.000 | 12.071 | 17.641 |

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| 27.514 | 1841.853 | 2143.096 | 1.457 |
| 1.107 | 542.932 | 1.000 | 14.652 |
| 10/16/2016 12:45:00 PM | 312300.000 | 12.069 | 17.640 |
| 27.510 | 1842.953 | 2144.414 | 1.458 |
| 1.107 | 542.607 | 1.000 | 14.653 |
| 10/16/2016 1:00:00 PM | 313200.000 | 12.071 | 17.639 |
| 27.513 | 1842.115 | 2143.481 | 1.458 |
| 1.107 | 542.854 | 1.000 | 14.652 |
| 10/16/2016 1:15:00 PM | 314100.000 | 12.077 | 17.640 |
| 27.528 | 1841.460 | 2142.656 | 1.457 |
| 1.106 | 543.047 | 1.000 | 14.645 |
| 10/16/2016 1:30:00 PM | 315000.000 | 12.067 | 17.640 |
| 27.504 | 1842.181 | 2143.490 | 1.458 |
| 1.107 | 542.835 | 1.000 | 14.654 |
| 10/16/2016 1:45:00 PM | 315900.000 | 12.079 | 17.640 |
| 27.532 | 1845.133 | 2146.925 | 1.460 |
| 1.109 | 541.966 | 1.000 | 14.641 |
| 10/16/2016 2:00:00 PM | 316800.000 | 12.083 | 17.640 |
| 27.540 | 1841.160 | 2142.302 | 1.457 |
| 1.106 | 543.136 | 1.000 | 14.636 |
| 10/16/2016 2:15:00 PM | 317700.000 | 12.085 | 17.640 |
| 27.545 | 1840.590 | 2141.655 | 1.456 |
| 1.106 | 543.304 | 1.000 | 14.632 |
| 10/16/2016 2:30:00 PM | 318600.000 | 12.085 | 17.641 |
| 27.546 | 1842.482 | 2143.812 | 1.458 |
| 1.107 | 542.746 | 1.000 | 14.630 |
| 10/16/2016 2:45:00 PM | 319500.000 | 12.077 | 17.641 |
| 27.528 | 1841.335 | 2142.456 | 1.457 |
| 1.106 | 543.084 | 1.000 | 14.636 |
| 10/16/2016 3:00:00 PM | 320400.000 | 12.081 | 17.640 |
| 27.536 | 1843.277 | 2144.795 | 1.458 |
| 1.107 | 542.512 | 1.000 | 14.631 |
| 10/16/2016 3:15:00 PM | 321300.000 | 12.073 | 17.642 |
| 27.518 | 1842.219 | 2143.477 | 1.458 |
| 1.107 | 542.824 | 1.000 | 14.638 |
| 10/16/2016 3:30:00 PM | 322200.000 | 12.078 | 17.640 |
| 27.529 | 1841.600 | 2142.815 | 1.457 |
| 1.106 | 543.006 | 1.000 | 14.633 |
| 10/16/2016 3:45:00 PM | 323100.000 | 12.074 | 17.641 |
| 27.521 | 1841.969 | 2143.231 | 1.457 |
| 1.107 | 542.897 | 1.000 | 14.635 |
| 10/16/2016 4:00:00 PM | 324000.000 | 12.077 | 17.640 |
| 27.528 | 1842.084 | 2143.390 | 1.458 |
| 1.107 | 542.863 | 1.000 | 14.631 |
| 10/16/2016 4:15:00 PM | 324900.000 | 12.072 | 17.641 |
| 27.516 | 1842.868 | 2144.268 | 1.458 |
| 1.107 | 542.633 | 1.000 | 14.635 |
| 10/16/2016 4:30:00 PM | 325800.000 | 12.068 | 17.641 |
| 27.506 | 1845.789 | 2147.680 | 1.460 |
| 1.109 | 541.774 | 1.000 | 14.639 |
| 10/16/2016 4:45:00 PM | 326700.000 | 12.067 | 17.640 |
| 27.504 | 1842.498 | 2143.854 | 1.458 |
| 1.107 | 542.742 | 1.000 | 14.639 |
| 10/16/2016 5:00:00 PM | 327600.000 | 12.070 | 17.641 |
| 27.511 | 1842.708 | 2144.062 | 1.458 |

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| 1.107 | 542.680 | 1.000 | 14.639 |
| 10/16/2016 5:15:00 PM | 328500.000 | 12.064 | 17.641 |
| 27.497 | 1843.010 | 2144.434 | 1.458 |
| 1.107 | 542.591 | 1.000 | 14.644 |
| 10/16/2016 5:30:00 PM | 329400.000 | 12.057 | 17.641 |
| 27.482 | 1841.025 | 2142.120 | 1.457 |
| 1.106 | 543.176 | 1.000 | 14.652 |
| 10/16/2016 5:45:00 PM | 330300.000 | 12.057 | 17.641 |
| 27.483 | 1839.251 | 2140.060 | 1.455 |
| 1.105 | 543.699 | 1.000 | 14.652 |
| 10/16/2016 6:00:00 PM | 331200.000 | 12.060 | 17.640 |
| 27.488 | 1839.342 | 2140.208 | 1.455 |
| 1.105 | 543.673 | 1.000 | 14.649 |
| 10/16/2016 6:15:00 PM | 332100.000 | 12.058 | 17.641 |
| 27.485 | 1841.881 | 2143.128 | 1.457 |
| 1.107 | 542.923 | 1.000 | 14.653 |
| 10/16/2016 6:30:00 PM | 333000.000 | 12.062 | 17.640 |
| 27.493 | 1840.410 | 2141.450 | 1.456 |
| 1.106 | 543.357 | 1.000 | 14.652 |
| 10/16/2016 6:45:00 PM | 333900.000 | 12.060 | 17.640 |
| 27.488 | 1841.859 | 2143.128 | 1.457 |
| 1.107 | 542.930 | 1.000 | 14.654 |
| 10/16/2016 7:00:00 PM | 334800.000 | 12.058 | 17.639 |
| 27.485 | 1843.087 | 2144.586 | 1.458 |
| 1.107 | 542.568 | 1.000 | 14.657 |
| 10/16/2016 7:15:00 PM | 335700.000 | 12.065 | 17.640 |
| 27.499 | 1841.547 | 2142.757 | 1.457 |
| 1.106 | 543.022 | 1.000 | 14.651 |
| 10/16/2016 7:30:00 PM | 336600.000 | 12.061 | 17.640 |
| 27.490 | 1841.972 | 2143.273 | 1.457 |
| 1.107 | 542.896 | 1.000 | 14.656 |
| 10/16/2016 7:45:00 PM | 337500.000 | 12.053 | 17.641 |
| 27.473 | 1840.530 | 2141.528 | 1.456 |
| 1.106 | 543.322 | 1.000 | 14.665 |
| 10/16/2016 8:00:00 PM | 338400.000 | 12.067 | 17.640 |
| 27.504 | 1839.967 | 2140.944 | 1.456 |
| 1.105 | 543.488 | 1.000 | 14.652 |
| 10/16/2016 8:15:00 PM | 339300.000 | 12.069 | 17.641 |
| 27.510 | 1840.659 | 2141.707 | 1.456 |
| 1.106 | 543.284 | 1.000 | 14.650 |
| 10/16/2016 8:30:00 PM | 340200.000 | 12.058 | 17.640 |
| 27.484 | 1841.585 | 2142.797 | 1.457 |
| 1.106 | 543.011 | 1.000 | 14.661 |
| 10/16/2016 8:45:00 PM | 341100.000 | 12.061 | 17.641 |
| 27.490 | 1841.406 | 2142.555 | 1.457 |
| 1.106 | 543.063 | 1.000 | 14.659 |
| 10/16/2016 9:00:00 PM | 342000.000 | 12.064 | 17.640 |
| 27.498 | 1840.719 | 2141.784 | 1.456 |
| 1.106 | 543.266 | 1.000 | 14.661 |
| 10/16/2016 9:15:00 PM | 342900.000 | 12.064 | 17.641 |
| 27.497 | 1839.333 | 2140.160 | 1.455 |
| 1.105 | 543.675 | 1.000 | 14.658 |
| 10/16/2016 9:30:00 PM | 343800.000 | 12.060 | 17.641 |
| 27.489 | 1840.119 | 2141.037 | 1.456 |
| 1.105 | 543.443 | 1.000 | 14.662 |

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| 10/16/2016 9:45:00 PM | 344700.000 | 12.055 | 17.640 |
| 27.478 | 1840.296 | 2141.292 | 1.456 |
| 1.106 | 543.391 | 1.000 | 14.667 |
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| 27.471 | 1840.898 | 2142.006 | 1.457 |
| 1.106 | 543.213 | 1.000 | 14.672 |
| 10/16/2016 10:15:00 PM | 346500.000 | 12.052 | 17.641 |
| 27.470 | 1841.234 | 2142.380 | 1.457 |
| 1.106 | 543.114 | 1.000 | 14.672 |
| 10/16/2016 10:30:00 PM | 347400.000 | 12.063 | 17.641 |
| 27.496 | 1839.345 | 2140.161 | 1.455 |
| 1.105 | 543.672 | 1.000 | 14.664 |
| 10/16/2016 10:45:00 PM | 348300.000 | 12.055 | 17.640 |
| 27.478 | 1840.752 | 2141.857 | 1.456 |
| 1.106 | 543.256 | 1.000 | 14.674 |
| 10/16/2016 11:00:00 PM | 349200.000 | 12.052 | 17.641 |
| 27.471 | 1840.445 | 2141.445 | 1.456 |
| 1.106 | 543.347 | 1.000 | 14.677 |
| 10/16/2016 11:15:00 PM | 350100.000 | 12.053 | 17.640 |
| 27.472 | 1840.664 | 2141.741 | 1.456 |
| 1.106 | 543.282 | 1.000 | 14.677 |
| 10/16/2016 11:30:00 PM | 351000.000 | 12.052 | 17.641 |
| 27.471 | 1840.030 | 2140.975 | 1.456 |
| 1.105 | 543.469 | 1.000 | 14.682 |
| 10/16/2016 11:45:00 PM | 351900.000 | 12.056 | 17.640 |
| 27.479 | 1838.195 | 2138.869 | 1.454 |
| 1.104 | 544.012 | 1.000 | 14.678 |
| 10/17/2016 12:00:00 AM | 352800.000 | 12.054 | 17.641 |
| 27.475 | 1839.062 | 2139.848 | 1.455 |
| 1.105 | 543.755 | 1.000 | 14.680 |
| 10/17/2016 12:15:00 AM | 353700.000 | 12.060 | 17.640 |
| 27.490 | 1840.811 | 2141.896 | 1.456 |
| 1.106 | 543.239 | 1.000 | 14.676 |
| 10/17/2016 12:30:00 AM | 354600.000 | 12.051 | 17.641 |
| 27.468 | 1840.354 | 2141.351 | 1.456 |
| 1.106 | 543.374 | 1.000 | 14.687 |
| 10/17/2016 12:45:00 AM | 355500.000 | 12.050 | 17.639 |
| 27.466 | 1837.959 | 2138.620 | 1.454 |
| 1.104 | 544.082 | 1.000 | 14.689 |
| 10/17/2016 1:00:00 AM | 356400.000 | 12.041 | 17.640 |
| 27.445 | 1837.764 | 2138.371 | 1.454 |
| 1.104 | 544.140 | 1.000 | 14.700 |
| 10/17/2016 1:15:00 AM | 357300.000 | 12.045 | 17.641 |
| 27.454 | 1837.586 | 2138.131 | 1.454 |
| 1.104 | 544.192 | 1.000 | 14.699 |
| 10/17/2016 1:30:00 AM | 358200.000 | 12.045 | 17.641 |
| 27.454 | 1838.429 | 2139.116 | 1.455 |
| 1.104 | 543.943 | 1.000 | 14.701 |
| 10/17/2016 1:45:00 AM | 359100.000 | 12.048 | 17.639 |
| 27.460 | 1840.072 | 2141.078 | 1.456 |
| 1.105 | 543.457 | 1.000 | 14.700 |
| 10/17/2016 2:00:00 AM | 360000.000 | 12.042 | 17.641 |
| 27.448 | 1839.091 | 2139.882 | 1.455 |
| 1.105 | 543.747 | 1.000 | 14.707 |
| 10/17/2016 2:15:00 AM | 360900.000 | 12.047 | 17.641 |

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| 27.458 | 1840.211 | 2141.144 | 1.456 |
| 1.106 | 543.416 | 1.000 | 14.703 |
| 10/17/2016 2:30:00 AM | 361800.000 | 12.045 | 17.639 |
| 27.453 | 1839.744 | 2140.705 | 1.456 |
| 1.105 | 543.554 | 1.000 | 14.709 |
| 10/17/2016 2:45:00 AM | 362700.000 | 12.047 | 17.639 |
| 27.459 | 1841.318 | 2142.536 | 1.457 |
| 1.106 | 543.089 | 1.000 | 14.707 |
| 10/17/2016 3:00:00 AM | 363600.000 | 12.048 | 17.641 |
| 27.462 | 1839.491 | 2140.340 | 1.455 |
| 1.105 | 543.629 | 1.000 | 14.709 |
| 10/17/2016 3:15:00 AM | 364500.000 | 12.052 | 17.640 |
| 27.471 | 1840.287 | 2141.320 | 1.456 |
| 1.106 | 543.393 | 1.000 | 14.705 |
| 10/17/2016 3:30:00 AM | 365400.000 | 12.049 | 17.641 |
| 27.464 | 1839.157 | 2139.934 | 1.455 |
| 1.105 | 543.727 | 1.000 | 14.710 |
| 10/17/2016 3:45:00 AM | 366300.000 | 12.051 | 17.640 |
| 27.467 | 1839.228 | 2140.062 | 1.455 |
| 1.105 | 543.706 | 1.000 | 14.709 |
| 10/17/2016 4:00:00 AM | 367200.000 | 12.051 | 17.642 |
| 27.469 | 1839.077 | 2139.820 | 1.455 |
| 1.105 | 543.751 | 1.000 | 14.709 |
| 10/17/2016 4:15:00 AM | 368100.000 | 12.049 | 17.640 |
| 27.463 | 1840.996 | 2142.111 | 1.457 |
| 1.106 | 543.184 | 1.000 | 14.714 |
| 10/17/2016 4:30:00 AM | 369000.000 | 12.050 | 17.641 |
| 27.467 | 1840.736 | 2141.776 | 1.456 |
| 1.106 | 543.261 | 1.000 | 14.713 |
| 10/17/2016 4:45:00 AM | 369900.000 | 12.056 | 17.641 |
| 27.479 | 1840.035 | 2140.960 | 1.456 |
| 1.105 | 543.468 | 1.000 | 14.708 |
| 10/17/2016 5:00:00 AM | 370800.000 | 12.046 | 17.641 |
| 27.457 | 1839.896 | 2140.807 | 1.456 |
| 1.105 | 543.509 | 1.000 | 14.721 |
| 10/17/2016 5:15:00 AM | 371700.000 | 12.052 | 17.640 |
| 27.470 | 1842.587 | 2143.971 | 1.458 |
| 1.107 | 542.715 | 1.000 | 14.716 |
| 10/17/2016 5:30:00 AM | 372600.000 | 12.044 | 17.641 |
| 27.451 | 1839.680 | 2140.551 | 1.456 |
| 1.105 | 543.573 | 1.000 | 14.724 |
| 10/17/2016 5:45:00 AM | 373500.000 | 12.043 | 17.640 |
| 27.449 | 1838.909 | 2139.687 | 1.455 |
| 1.105 | 543.801 | 1.000 | 14.729 |
| 10/17/2016 6:00:00 AM | 374400.000 | 12.051 | 17.640 |
| 27.467 | 1837.395 | 2137.917 | 1.454 |
| 1.104 | 544.249 | 1.000 | 14.726 |
| 10/17/2016 6:15:00 AM | 375300.000 | 12.045 | 17.640 |
| 27.454 | 1838.752 | 2139.513 | 1.455 |
| 1.105 | 543.847 | 1.000 | 14.728 |
| 10/17/2016 6:30:00 AM | 376200.000 | 12.047 | 17.641 |
| 27.459 | 1838.451 | 2139.129 | 1.455 |
| 1.104 | 543.936 | 1.000 | 14.729 |
| 10/17/2016 6:45:00 AM | 377100.000 | 12.040 | 17.639 |
| 27.443 | 1839.707 | 2140.656 | 1.456 |

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| 1.105 | 543.565 | 1.000 | 14.737 |
| 10/17/2016 7:00:00 AM | 378000.000 | 12.049 | 17.640 |
| 27.464 | 1836.081 | 2136.405 | 1.453 |
| 1.103 | 544.638 | 1.000 | 14.731 |
| 10/17/2016 7:15:00 AM | 378900.000 | 12.042 | 17.641 |
| 27.446 | 1838.697 | 2139.424 | 1.455 |
| 1.105 | 543.863 | 1.000 | 14.740 |
| 10/17/2016 7:30:00 AM | 379800.000 | 12.046 | 17.640 |
| 27.457 | 1837.980 | 2138.606 | 1.454 |
| 1.104 | 544.076 | 1.000 | 14.736 |
| 10/17/2016 7:45:00 AM | 380700.000 | 12.044 | 17.640 |
| 27.452 | 1836.604 | 2137.001 | 1.453 |
| 1.103 | 544.483 | 1.000 | 14.740 |
| 10/17/2016 8:00:00 AM | 381600.000 | 12.043 | 17.639 |
| 27.450 | 1838.240 | 2138.959 | 1.454 |
| 1.104 | 543.998 | 1.000 | 14.745 |
| 10/17/2016 8:15:00 AM | 382500.000 | 12.040 | 17.641 |
| 27.444 | 1838.257 | 2138.899 | 1.454 |
| 1.104 | 543.994 | 1.000 | 14.748 |
| 10/17/2016 8:30:00 AM | 383400.000 | 12.041 | 17.641 |
| 27.444 | 1839.207 | 2140.005 | 1.455 |
| 1.105 | 543.713 | 1.000 | 14.750 |
| 10/17/2016 8:45:00 AM | 384300.000 | 12.036 | 17.641 |
| 27.434 | 1839.024 | 2139.763 | 1.455 |
| 1.105 | 543.767 | 1.000 | 14.755 |
| 10/17/2016 9:00:00 AM | 385200.000 | 12.037 | 17.640 |
| 27.436 | 1840.915 | 2142.046 | 1.457 |
| 1.106 | 543.208 | 1.000 | 14.757 |
| 10/17/2016 9:15:00 AM | 386100.000 | 12.037 | 17.640 |
| 27.435 | 1839.747 | 2140.671 | 1.456 |
| 1.105 | 543.553 | 1.000 | 14.759 |
| 10/17/2016 9:30:00 AM | 387000.000 | 12.044 | 17.641 |
| 27.453 | 1839.580 | 2140.423 | 1.455 |
| 1.105 | 543.602 | 1.000 | 14.755 |
| 10/17/2016 9:45:00 AM | 387900.000 | 12.041 | 17.641 |
| 27.446 | 1839.358 | 2140.189 | 1.455 |
| 1.105 | 543.668 | 1.000 | 14.759 |
| 10/17/2016 10:00:00 AM | 388800.000 | 12.044 | 17.639 |
| 27.451 | 1839.626 | 2140.568 | 1.456 |
| 1.105 | 543.589 | 1.000 | 14.758 |
| 10/17/2016 10:15:00 AM | 389700.000 | 12.044 | 17.641 |
| 27.451 | 1840.478 | 2141.467 | 1.456 |
| 1.106 | 543.337 | 1.000 | 14.760 |
| 10/17/2016 10:30:00 AM | 390600.000 | 12.044 | 17.641 |
| 27.452 | 1841.641 | 2142.849 | 1.457 |
| 1.106 | 542.994 | 1.000 | 14.761 |
| 10/17/2016 10:45:00 AM | 391500.000 | 12.040 | 17.640 |
| 27.442 | 1838.981 | 2139.776 | 1.455 |
| 1.105 | 543.779 | 1.000 | 14.766 |
| 10/17/2016 11:00:00 AM | 392400.000 | 12.049 | 17.640 |
| 27.463 | 1840.051 | 2141.032 | 1.456 |
| 1.105 | 543.463 | 1.000 | 14.757 |
| 10/17/2016 11:15:00 AM | 393300.000 | 12.043 | 17.641 |
| 27.449 | 1838.145 | 2138.765 | 1.454 |
| 1.104 | 544.027 | 1.000 | 14.766 |

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| 10/17/2016 11:30:00 AM | 394200.000 | 12.042 | 17.640 |
| 27.448 | 1840.033 | 2141.020 | 1.456 |
| 1.105 | 543.469 | 1.000 | 14.767 |
| 10/17/2016 11:45:00 AM | 395100.000 | 12.054 | 17.641 |
| 27.474 | 1840.241 | 2141.224 | 1.456 |
| 1.106 | 543.407 | 1.000 | 14.757 |
| 10/17/2016 12:00:00 PM | 396000.000 | 12.045 | 17.641 |
| 27.453 | 1838.848 | 2139.595 | 1.455 |
| 1.105 | 543.819 | 1.000 | 14.766 |
| 10/17/2016 12:15:00 PM | 396900.000 | 12.051 | 17.641 |
| 27.468 | 1841.234 | 2142.360 | 1.457 |
| 1.106 | 543.114 | 1.000 | 14.760 |
| 10/17/2016 12:30:00 PM | 397800.000 | 12.050 | 17.641 |
| 27.466 | 1841.696 | 2142.884 | 1.457 |
| 1.106 | 542.978 | 1.000 | 14.761 |
| 10/17/2016 12:45:00 PM | 398700.000 | 12.049 | 17.640 |
| 27.463 | 1839.472 | 2140.351 | 1.455 |
| 1.105 | 543.634 | 1.000 | 14.765 |
| 10/17/2016 1:00:00 PM | 399600.000 | 12.051 | 17.639 |
| 27.469 | 1841.165 | 2142.363 | 1.457 |
| 1.106 | 543.134 | 1.000 | 14.761 |
| 10/17/2016 1:15:00 PM | 400500.000 | 12.053 | 17.641 |
| 27.472 | 1841.056 | 2142.156 | 1.457 |
| 1.106 | 543.166 | 1.000 | 14.760 |
| 10/17/2016 1:30:00 PM | 401400.000 | 12.057 | 17.641 |
| 27.483 | 1841.950 | 2143.180 | 1.457 |
| 1.107 | 542.903 | 1.000 | 14.755 |
| 10/17/2016 1:45:00 PM | 402300.000 | 12.059 | 17.640 |
| 27.486 | 1840.033 | 2140.995 | 1.456 |
| 1.105 | 543.468 | 1.000 | 14.753 |
| 10/17/2016 2:00:00 PM | 403200.000 | 12.060 | 17.640 |
| 27.489 | 1842.234 | 2143.556 | 1.458 |
| 1.107 | 542.819 | 1.000 | 14.751 |
| 10/17/2016 2:15:00 PM | 404100.000 | 12.056 | 17.640 |
| 27.479 | 1841.603 | 2142.843 | 1.457 |
| 1.106 | 543.005 | 1.000 | 14.756 |
| 10/17/2016 2:30:00 PM | 405000.000 | 12.058 | 17.641 |
| 27.484 | 1840.949 | 2142.040 | 1.457 |
| 1.106 | 543.198 | 1.000 | 14.755 |
| 10/17/2016 2:45:00 PM | 405900.000 | 12.054 | 17.641 |
| 27.475 | 1843.994 | 2145.571 | 1.459 |
| 1.108 | 542.301 | 1.000 | 14.756 |
| 10/17/2016 3:00:00 PM | 406800.000 | 12.061 | 17.641 |
| 27.492 | 1840.136 | 2141.102 | 1.456 |
| 1.105 | 543.438 | 1.000 | 14.748 |
| 10/17/2016 3:15:00 PM | 407700.000 | 12.059 | 17.641 |
| 27.485 | 1842.341 | 2143.655 | 1.458 |
| 1.107 | 542.788 | 1.000 | 14.750 |
| 10/17/2016 3:30:00 PM | 408600.000 | 12.063 | 17.641 |
| 27.496 | 1841.599 | 2142.760 | 1.457 |
| 1.106 | 543.006 | 1.000 | 14.744 |
| 10/17/2016 3:45:00 PM | 409500.000 | 12.053 | 17.641 |
| 27.472 | 1842.505 | 2143.859 | 1.458 |
| 1.107 | 542.739 | 1.000 | 14.754 |
| 10/17/2016 4:00:00 PM | 410400.000 | 12.061 | 17.641 |

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|---|---|---|---|
| 27.490 | 1841.996 | 2143.246 | 1.457 |
| 1.107 | 542.889 | 1.000 | 14.747 |
| 10/17/2016 4:15:00 PM | 411300.000 | 12.051 | 17.641 |
| 27.468 | 1841.520 | 2142.688 | 1.457 |
| 1.106 | 543.030 | 1.000 | 14.755 |
| 10/17/2016 4:30:00 PM | 412200.000 | 12.059 | 17.640 |
| 27.487 | 1842.602 | 2143.996 | 1.458 |
| 1.107 | 542.711 | 1.000 | 14.747 |
| 10/17/2016 4:45:00 PM | 413100.000 | 12.060 | 17.640 |
| 27.487 | 1842.614 | 2144.007 | 1.458 |
| 1.107 | 542.707 | 1.000 | 14.747 |
| 10/17/2016 5:00:00 PM | 414000.000 | 12.060 | 17.641 |
| 27.489 | 1841.087 | 2142.192 | 1.457 |
| 1.106 | 543.157 | 1.000 | 14.746 |
| 10/17/2016 5:15:00 PM | 414900.000 | 12.059 | 17.641 |
| 27.486 | 1841.357 | 2142.510 | 1.457 |
| 1.106 | 543.078 | 1.000 | 14.747 |
| 10/17/2016 5:30:00 PM | 415800.000 | 12.064 | 17.642 |
| 27.497 | 1842.610 | 2143.927 | 1.458 |
| 1.107 | 542.708 | 1.000 | 14.742 |
| 10/17/2016 5:45:00 PM | 416700.000 | 12.060 | 17.641 |
| 27.489 | 1843.176 | 2144.631 | 1.458 |
| 1.107 | 542.542 | 1.000 | 14.744 |
| 10/17/2016 6:00:00 PM | 417600.000 | 12.063 | 17.641 |
| 27.495 | 1841.233 | 2142.362 | 1.457 |
| 1.106 | 543.114 | 1.000 | 14.743 |
| 10/17/2016 6:15:00 PM | 418500.000 | 12.060 | 17.641 |
| 27.487 | 1841.474 | 2142.639 | 1.457 |
| 1.106 | 543.043 | 1.000 | 14.746 |
| 10/17/2016 6:30:00 PM | 419400.000 | 12.063 | 17.640 |
| 27.495 | 1841.859 | 2143.116 | 1.457 |
| 1.107 | 542.930 | 1.000 | 14.742 |
| 10/17/2016 6:45:00 PM | 420300.000 | 12.061 | 17.640 |
| 27.490 | 1841.921 | 2143.187 | 1.457 |
| 1.107 | 542.912 | 1.000 | 14.744 |
| 10/17/2016 7:00:00 PM | 421200.000 | 12.062 | 17.640 |
| 27.492 | 1841.776 | 2143.048 | 1.457 |
| 1.107 | 542.954 | 1.000 | 14.742 |
| 10/17/2016 7:15:00 PM | 422100.000 | 12.058 | 17.641 |
| 27.483 | 1840.550 | 2141.571 | 1.456 |
| 1.106 | 543.316 | 1.000 | 14.747 |
| 10/17/2016 7:30:00 PM | 423000.000 | 12.056 | 17.641 |
| 27.479 | 1841.974 | 2143.216 | 1.457 |
| 1.107 | 542.896 | 1.000 | 14.750 |
| 10/17/2016 7:45:00 PM | 423900.000 | 12.054 | 17.641 |
| 27.474 | 1841.759 | 2142.979 | 1.457 |
| 1.107 | 542.959 | 1.000 | 14.753 |
| 10/17/2016 8:00:00 PM | 424800.000 | 12.050 | 17.640 |
| 27.467 | 1841.476 | 2142.675 | 1.457 |
| 1.106 | 543.043 | 1.000 | 14.756 |
| 10/17/2016 8:15:00 PM | 425700.000 | 12.051 | 17.641 |
| 27.467 | 1839.847 | 2140.745 | 1.456 |
| 1.105 | 543.523 | 1.000 | 14.755 |
| 10/17/2016 8:30:00 PM | 426600.000 | 12.058 | 17.640 |
| 27.483 | 1840.009 | 2140.971 | 1.456 |

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| 1.105 | 543.476 | 1.000 | 14.749 |
| 10/17/2016 8:45:00 PM | 427500.000 | 12.047 | 17.641 |
| 27.459 | 1838.799 | 2139.501 | 1.455 |
| 1.105 | 543.833 | 1.000 | 14.762 |
| 10/17/2016 9:00:00 PM | 428400.000 | 12.048 | 17.641 |
| 27.462 | 1839.611 | 2140.467 | 1.456 |
| 1.105 | 543.593 | 1.000 | 14.761 |
| 10/17/2016 9:15:00 PM | 429300.000 | 12.049 | 17.641 |
| 27.464 | 1839.749 | 2140.618 | 1.456 |
| 1.105 | 543.553 | 1.000 | 14.761 |
| 10/17/2016 9:30:00 PM | 430200.000 | 12.049 | 17.641 |
| 27.462 | 1838.501 | 2139.192 | 1.455 |
| 1.104 | 543.921 | 1.000 | 14.764 |
| 10/17/2016 9:45:00 PM | 431100.000 | 12.054 | 17.640 |
| 27.475 | 1839.493 | 2140.370 | 1.455 |
| 1.105 | 543.628 | 1.000 | 14.758 |
| 10/17/2016 10:00:00 PM | 432000.000 | 12.051 | 17.641 |
| 27.468 | 1839.161 | 2139.964 | 1.455 |
| 1.105 | 543.726 | 1.000 | 14.763 |
| 10/17/2016 10:15:00 PM | 432900.000 | 12.048 | 17.640 |
| 27.462 | 1837.398 | 2137.950 | 1.454 |
| 1.104 | 544.248 | 1.000 | 14.766 |
| 10/17/2016 10:30:00 PM | 433800.000 | 12.051 | 17.641 |
| 27.467 | 1837.852 | 2138.425 | 1.454 |
| 1.104 | 544.113 | 1.000 | 14.766 |
| 10/17/2016 10:45:00 PM | 434700.000 | 12.048 | 17.640 |
| 27.461 | 1838.786 | 2139.539 | 1.455 |
| 1.105 | 543.837 | 1.000 | 14.767 |
| 10/17/2016 11:00:00 PM | 435600.000 | 12.048 | 17.640 |
| 27.461 | 1838.208 | 2138.867 | 1.454 |
| 1.104 | 544.008 | 1.000 | 14.769 |
| 10/17/2016 11:15:00 PM | 436500.000 | 12.045 | 17.641 |
| 27.455 | 1838.331 | 2138.994 | 1.455 |
| 1.104 | 543.972 | 1.000 | 14.773 |
| 10/17/2016 11:30:00 PM | 437400.000 | 12.045 | 17.641 |
| 27.454 | 1838.520 | 2139.218 | 1.455 |
| 1.104 | 543.916 | 1.000 | 14.775 |
| 10/17/2016 11:45:00 PM | 438300.000 | 12.046 | 17.639 |
| 27.457 | 1838.815 | 2139.616 | 1.455 |
| 1.105 | 543.828 | 1.000 | 14.776 |
| 10/18/2016 12:00:00 AM | 439200.000 | 12.044 | 17.641 |
| 27.452 | 1837.431 | 2137.942 | 1.454 |
| 1.104 | 544.238 | 1.000 | 14.778 |
| 10/18/2016 12:15:00 AM | 440100.000 | 12.044 | 17.641 |
| 27.452 | 1838.012 | 2138.585 | 1.454 |
| 1.104 | 544.066 | 1.000 | 14.780 |
| 10/18/2016 12:30:00 AM | 441000.000 | 12.043 | 17.641 |
| 27.449 | 1839.407 | 2140.238 | 1.455 |
| 1.105 | 543.653 | 1.000 | 14.782 |
| 10/18/2016 12:45:00 AM | 441900.000 | 12.046 | 17.641 |
| 27.456 | 1837.678 | 2138.197 | 1.454 |
| 1.104 | 544.165 | 1.000 | 14.780 |
| 10/18/2016 1:00:00 AM | 442800.000 | 12.043 | 17.639 |
| 27.450 | 1838.548 | 2139.317 | 1.455 |
| 1.105 | 543.907 | 1.000 | 14.784 |

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|---|---|---|---|
| 10/18/2016 1:15:00 AM | 443700.000 | 12.047 | 17.640 |
| 27.459 | 1837.999 | 2138.628 | 1.454 |
| 1.104 | 544.070 | 1.000 | 14.780 |
| 10/18/2016 1:30:00 AM | 444600.000 | 12.045 | 17.640 |
| 27.454 | 1836.888 | 2137.336 | 1.453 |
| 1.103 | 544.399 | 1.000 | 14.786 |
| 10/18/2016 1:45:00 AM | 445500.000 | 12.046 | 17.641 |
| 27.457 | 1835.855 | 2136.100 | 1.453 |
| 1.103 | 544.705 | 1.000 | 14.785 |
| 10/18/2016 2:00:00 AM | 446400.000 | 12.049 | 17.641 |
| 27.464 | 1836.787 | 2137.193 | 1.453 |
| 1.103 | 544.429 | 1.000 | 14.784 |
| 10/18/2016 2:15:00 AM | 447300.000 | 12.050 | 17.641 |
| 27.466 | 1837.135 | 2137.611 | 1.454 |
| 1.104 | 544.326 | 1.000 | 14.784 |
| 10/18/2016 2:30:00 AM | 448200.000 | 12.048 | 17.641 |
| 27.462 | 1836.874 | 2137.265 | 1.453 |
| 1.103 | 544.403 | 1.000 | 14.787 |
| 10/18/2016 2:45:00 AM | 449100.000 | 12.048 | 17.641 |
| 27.461 | 1834.888 | 2134.967 | 1.452 |
| 1.102 | 544.992 | 1.000 | 14.788 |
| 10/18/2016 3:00:00 AM | 450000.000 | 12.050 | 17.641 |
| 27.465 | 1834.981 | 2135.067 | 1.452 |
| 1.102 | 544.965 | 1.000 | 14.787 |
| 10/18/2016 3:15:00 AM | 450900.000 | 12.057 | 17.641 |
| 27.482 | 1833.837 | 2133.752 | 1.451 |
| 1.101 | 545.305 | 1.000 | 14.781 |
| 10/18/2016 3:30:00 AM | 451800.000 | 12.054 | 17.642 |
| 27.475 | 1835.212 | 2135.311 | 1.452 |
| 1.102 | 544.896 | 1.000 | 14.784 |
| 10/18/2016 3:45:00 AM | 452700.000 | 12.052 | 17.641 |
| 27.470 | 1835.808 | 2136.033 | 1.453 |
| 1.103 | 544.719 | 1.000 | 14.785 |
| 10/18/2016 4:00:00 AM | 453600.000 | 12.058 | 17.640 |
| 27.484 | 1836.765 | 2137.218 | 1.453 |
| 1.103 | 544.436 | 1.000 | 14.781 |
| 10/18/2016 4:15:00 AM | 454500.000 | 12.054 | 17.641 |
| 27.475 | 1835.680 | 2135.897 | 1.452 |
| 1.103 | 544.757 | 1.000 | 14.785 |
| 10/18/2016 4:30:00 AM | 455400.000 | 12.053 | 17.640 |
| 27.473 | 1836.414 | 2136.801 | 1.453 |
| 1.103 | 544.539 | 1.000 | 14.785 |
| 10/18/2016 4:45:00 AM | 456300.000 | 12.052 | 17.642 |
| 27.470 | 1835.427 | 2135.552 | 1.452 |
| 1.102 | 544.832 | 1.000 | 14.786 |
| 10/18/2016 5:00:00 AM | 457200.000 | 12.053 | 17.641 |
| 27.472 | 1836.313 | 2136.633 | 1.453 |
| 1.103 | 544.570 | 1.000 | 14.786 |
| 10/18/2016 5:15:00 AM | 458100.000 | 12.050 | 17.641 |
| 27.466 | 1835.697 | 2135.917 | 1.452 |
| 1.103 | 544.752 | 1.000 | 14.790 |
| 10/18/2016 5:30:00 AM | 459000.000 | 12.052 | 17.641 |
| 27.470 | 1836.240 | 2136.556 | 1.453 |
| 1.103 | 544.591 | 1.000 | 14.789 |
| 10/18/2016 5:45:00 AM | 459900.000 | 12.050 | 17.641 |

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|---|---|---|---|
| 27.466 | 1835.648 | 2135.867 | 1.452 |
| 1.103 | 544.767 | 1.000 | 14.790 |
| 10/18/2016 6:00:00 AM | 460800.000 | 12.048 | 17.640 |
| 27.462 | 1836.257 | 2136.627 | 1.453 |
| 1.103 | 544.586 | 1.000 | 14.794 |
| 10/18/2016 6:15:00 AM | 461700.000 | 12.046 | 17.640 |
| 27.457 | 1835.759 | 2136.013 | 1.452 |
| 1.103 | 544.734 | 1.000 | 14.795 |
| 10/18/2016 6:30:00 AM | 462600.000 | 12.044 | 17.641 |
| 27.451 | 1834.755 | 2134.796 | 1.452 |
| 1.102 | 545.032 | 1.000 | 14.799 |
| 10/18/2016 6:45:00 AM | 463500.000 | 12.046 | 17.640 |
| 27.456 | 1835.591 | 2135.826 | 1.452 |
| 1.103 | 544.784 | 1.000 | 14.800 |
| 10/18/2016 7:00:00 AM | 464400.000 | 12.044 | 17.641 |
| 27.451 | 1835.648 | 2135.860 | 1.452 |
| 1.103 | 544.767 | 1.000 | 14.802 |
| 10/18/2016 7:15:00 AM | 465300.000 | 12.044 | 17.642 |
| 27.451 | 1834.317 | 2134.265 | 1.451 |
| 1.102 | 545.162 | 1.000 | 14.804 |
| 10/18/2016 7:30:00 AM | 466200.000 | 12.049 | 17.641 |
| 27.462 | 1834.993 | 2135.088 | 1.452 |
| 1.102 | 544.961 | 1.000 | 14.801 |
| 10/18/2016 7:45:00 AM | 467100.000 | 12.045 | 17.642 |
| 27.455 | 1835.174 | 2135.274 | 1.452 |
| 1.102 | 544.908 | 1.000 | 14.806 |
| 10/18/2016 8:00:00 AM | 468000.000 | 12.045 | 17.641 |
| 27.454 | 1834.141 | 2134.123 | 1.451 |
| 1.102 | 545.214 | 1.000 | 14.806 |
| 10/18/2016 8:15:00 AM | 468900.000 | 12.040 | 17.640 |
| 27.443 | 1834.524 | 2134.615 | 1.452 |
| 1.102 | 545.100 | 1.000 | 14.815 |
| 10/18/2016 8:30:00 AM | 469800.000 | 12.036 | 17.642 |
| 27.434 | 1833.691 | 2133.554 | 1.451 |
| 1.101 | 545.348 | 1.000 | 14.820 |
| 10/18/2016 8:45:00 AM | 470700.000 | 12.050 | 17.641 |
| 27.465 | 1833.797 | 2133.703 | 1.451 |
| 1.101 | 545.316 | 1.000 | 14.808 |
| 10/18/2016 9:00:00 AM | 471600.000 | 12.050 | 17.641 |
| 27.465 | 1833.575 | 2133.468 | 1.451 |
| 1.101 | 545.383 | 1.000 | 14.809 |
| 10/18/2016 9:15:00 AM | 472500.000 | 12.038 | 17.641 |
| 27.438 | 1834.072 | 2134.039 | 1.451 |
| 1.102 | 545.235 | 1.000 | 14.822 |
| 10/18/2016 9:30:00 AM | 473400.000 | 12.041 | 17.641 |
| 27.445 | 1835.404 | 2135.596 | 1.452 |
| 1.102 | 544.839 | 1.000 | 14.820 |
| 10/18/2016 9:45:00 AM | 474300.000 | 12.041 | 17.642 |
| 27.445 | 1835.848 | 2136.051 | 1.453 |
| 1.103 | 544.707 | 1.000 | 14.822 |
| 10/18/2016 10:00:00 AM | 475200.000 | 12.045 | 17.641 |
| 27.454 | 1834.626 | 2134.687 | 1.452 |
| 1.102 | 545.070 | 1.000 | 14.819 |
| 10/18/2016 10:15:00 AM | 476100.000 | 12.043 | 17.642 |
| 27.449 | 1836.054 | 2136.290 | 1.453 |

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| 1.103 | 544.646 | 1.000 | 14.823 |
| 10/18/2016 10:30:00 AM | 477000.000 | 12.045 | 17.641 |
| 27.454 | 1834.153 | 2134.095 | 1.451 |
| 1.102 | 545.211 | 1.000 | 14.821 |
| 10/18/2016 10:45:00 AM | 477900.000 | 12.046 | 17.641 |
| 27.456 | 1835.583 | 2135.792 | 1.452 |
| 1.103 | 544.786 | 1.000 | 14.822 |
| 10/18/2016 11:00:00 AM | 478800.000 | 12.043 | 17.640 |
| 27.449 | 1836.804 | 2137.229 | 1.453 |
| 1.103 | 544.424 | 1.000 | 14.826 |
| 10/18/2016 11:15:00 AM | 479700.000 | 12.051 | 17.641 |
| 27.468 | 1838.350 | 2139.008 | 1.455 |
| 1.104 | 543.966 | 1.000 | 14.818 |
| 10/18/2016 11:30:00 AM | 480600.000 | 12.054 | 17.641 |
| 27.474 | 1836.752 | 2137.124 | 1.453 |
| 1.103 | 544.439 | 1.000 | 14.817 |
| 10/18/2016 11:45:00 AM | 481500.000 | 12.054 | 17.640 |
| 27.474 | 1836.287 | 2136.633 | 1.453 |
| 1.103 | 544.577 | 1.000 | 14.817 |
| 10/18/2016 12:00:00 PM | 482400.000 | 12.053 | 17.640 |
| 27.473 | 1837.462 | 2138.008 | 1.454 |
| 1.104 | 544.229 | 1.000 | 14.818 |
| 10/18/2016 12:15:00 PM | 483300.000 | 12.055 | 17.640 |
| 27.476 | 1837.106 | 2137.618 | 1.454 |
| 1.104 | 544.334 | 1.000 | 14.816 |
| 10/18/2016 12:30:00 PM | 484200.000 | 12.050 | 17.641 |
| 27.466 | 1837.101 | 2137.525 | 1.454 |
| 1.104 | 544.336 | 1.000 | 14.821 |
| 10/18/2016 12:45:00 PM | 485100.000 | 12.057 | 17.641 |
| 27.482 | 1836.687 | 2137.060 | 1.453 |
| 1.103 | 544.459 | 1.000 | 14.813 |
| 10/18/2016 1:00:00 PM | 486000.000 | 12.066 | 17.640 |
| 27.502 | 1835.325 | 2135.512 | 1.452 |
| 1.102 | 544.863 | 1.000 | 14.802 |
| 10/18/2016 1:15:00 PM | 486900.000 | 12.065 | 17.641 |
| 27.500 | 1836.603 | 2136.987 | 1.453 |
| 1.103 | 544.484 | 1.000 | 14.804 |
| 10/18/2016 1:30:00 PM | 487800.000 | 12.064 | 17.642 |
| 27.498 | 1840.877 | 2141.894 | 1.456 |
| 1.106 | 543.219 | 1.000 | 14.804 |
| 10/18/2016 1:45:00 PM | 488700.000 | 12.066 | 17.642 |
| 27.503 | 1840.556 | 2141.542 | 1.456 |
| 1.106 | 543.314 | 1.000 | 14.799 |
| 10/18/2016 2:00:00 PM | 489600.000 | 12.066 | 17.640 |
| 27.502 | 1838.269 | 2138.934 | 1.454 |
| 1.104 | 543.990 | 1.000 | 14.798 |
| 10/18/2016 2:15:00 PM | 490500.000 | 12.074 | 17.641 |
| 27.519 | 1837.073 | 2137.501 | 1.454 |
| 1.104 | 544.344 | 1.000 | 14.789 |
| 10/18/2016 2:30:00 PM | 491400.000 | 12.065 | 17.641 |
| 27.499 | 1837.312 | 2137.792 | 1.454 |
| 1.104 | 544.273 | 1.000 | 14.796 |
| 10/18/2016 2:45:00 PM | 492300.000 | 12.074 | 17.641 |
| 27.521 | 1836.197 | 2136.473 | 1.453 |
| 1.103 | 544.604 | 1.000 | 14.786 |

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| 10/18/2016 3:00:00 PM | 493200.000 | 12.077 | 17.641 |
| 27.528 | 1836.289 | 2136.581 | 1.453 |
| 1.103 | 544.577 | 1.000 | 14.782 |
| 10/18/2016 3:15:00 PM | 494100.000 | 12.075 | 17.641 |
| 27.522 | 1838.543 | 2139.236 | 1.455 |
| 1.104 | 543.909 | 1.000 | 14.781 |
| 10/18/2016 3:30:00 PM | 495000.000 | 12.071 | 17.641 |
| 27.514 | 1837.048 | 2137.464 | 1.453 |
| 1.104 | 544.352 | 1.000 | 14.783 |
| 10/18/2016 3:45:00 PM | 495900.000 | 12.073 | 17.641 |
| 27.517 | 1837.559 | 2138.100 | 1.454 |
| 1.104 | 544.200 | 1.000 | 14.780 |
| 10/18/2016 4:00:00 PM | 496800.000 | 12.073 | 17.640 |
| 27.519 | 1838.695 | 2139.434 | 1.455 |
| 1.105 | 543.864 | 1.000 | 14.776 |
| 10/18/2016 4:15:00 PM | 497700.000 | 12.073 | 17.640 |
| 27.517 | 1836.799 | 2137.244 | 1.453 |
| 1.103 | 544.425 | 1.000 | 14.775 |
| 10/18/2016 4:30:00 PM | 498600.000 | 12.072 | 17.642 |
| 27.516 | 1836.083 | 2136.312 | 1.453 |
| 1.103 | 544.638 | 1.000 | 14.772 |
| 10/18/2016 4:45:00 PM | 499500.000 | 12.068 | 17.641 |
| 27.507 | 1838.328 | 2138.970 | 1.454 |
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| 10/18/2016 5:00:00 PM | 500400.000 | 12.072 | 17.643 |
| 27.516 | 1839.828 | 2140.644 | 1.456 |
| 1.105 | 543.529 | 1.000 | 14.772 |
| 10/18/2016 5:15:00 PM | 501300.000 | 12.068 | 17.642 |
| 27.506 | 1837.488 | 2137.967 | 1.454 |
| 1.104 | 544.221 | 1.000 | 14.775 |
| 10/18/2016 5:30:00 PM | 502200.000 | 12.065 | 17.641 |
| 27.499 | 1838.073 | 2138.664 | 1.454 |
| 1.104 | 544.048 | 1.000 | 14.778 |
| 10/18/2016 5:45:00 PM | 503100.000 | 12.062 | 17.641 |
| 27.492 | 1837.531 | 2138.063 | 1.454 |
| 1.104 | 544.208 | 1.000 | 14.784 |
| 10/18/2016 6:00:00 PM | 504000.000 | 12.057 | 17.641 |
| 27.482 | 1837.624 | 2138.150 | 1.454 |
| 1.104 | 544.181 | 1.000 | 14.783 |
| 10/18/2016 6:15:00 PM | 504900.000 | 12.063 | 17.642 |
| 27.495 | 1838.579 | 2139.233 | 1.455 |
| 1.104 | 543.898 | 1.000 | 14.778 |
| 10/18/2016 6:30:00 PM | 505800.000 | 12.063 | 17.641 |
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| 1.104 | 544.358 | 1.000 | 14.777 |
| 10/18/2016 6:45:00 PM | 506700.000 | 12.051 | 17.641 |
| 27.468 | 1839.126 | 2139.894 | 1.455 |
| 1.105 | 543.737 | 1.000 | 14.790 |
| 10/18/2016 7:00:00 PM | 507600.000 | 12.059 | 17.641 |
| 27.486 | 1837.430 | 2137.954 | 1.454 |
| 1.104 | 544.238 | 1.000 | 14.782 |
| 10/18/2016 7:15:00 PM | 508500.000 | 12.062 | 17.641 |
| 27.494 | 1836.268 | 2136.581 | 1.453 |
| 1.103 | 544.583 | 1.000 | 14.778 |
| 10/18/2016 7:30:00 PM | 509400.000 | 12.048 | 17.641 |

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| 27.461 | 1836.761 | 2137.134 | 1.453 |
| 1.103 | 544.437 | 1.000 | 14.793 |
| 10/18/2016 7:45:00 PM | 510300.000 | 12.054 | 17.640 |
| 27.475 | 1836.370 | 2136.729 | 1.453 |
| 1.103 | 544.553 | 1.000 | 14.787 |
| 10/18/2016 8:00:00 PM | 511200.000 | 12.047 | 17.642 |
| 27.460 | 1837.379 | 2137.845 | 1.454 |
| 1.104 | 544.254 | 1.000 | 14.796 |
| 10/18/2016 8:15:00 PM | 512100.000 | 12.048 | 17.641 |
| 27.462 | 1837.296 | 2137.773 | 1.454 |
| 1.104 | 544.278 | 1.000 | 14.795 |
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| 27.456 | 1836.623 | 2136.948 | 1.453 |
| 1.103 | 544.478 | 1.000 | 14.799 |
| 10/18/2016 8:45:00 PM | 513900.000 | 12.048 | 17.641 |
| 27.462 | 1838.036 | 2138.647 | 1.454 |
| 1.104 | 544.059 | 1.000 | 14.797 |
| 10/18/2016 9:00:00 PM | 514800.000 | 12.049 | 17.641 |
| 27.464 | 1836.742 | 2137.137 | 1.453 |
| 1.103 | 544.442 | 1.000 | 14.795 |
| 10/18/2016 9:15:00 PM | 515700.000 | 12.048 | 17.642 |
| 27.461 | 1834.649 | 2134.664 | 1.452 |
| 1.102 | 545.063 | 1.000 | 14.801 |
| 10/18/2016 9:30:00 PM | 516600.000 | 12.051 | 17.642 |
| 27.467 | 1835.384 | 2135.507 | 1.452 |
| 1.102 | 544.845 | 1.000 | 14.799 |
| 10/18/2016 9:45:00 PM | 517500.000 | 12.045 | 17.641 |
| 27.453 | 1838.008 | 2138.589 | 1.454 |
| 1.104 | 544.067 | 1.000 | 14.807 |
| 10/18/2016 10:00:00 PM | 518400.000 | 12.046 | 17.641 |
| 27.458 | 1837.700 | 2138.260 | 1.454 |
| 1.104 | 544.159 | 1.000 | 14.808 |
| 10/18/2016 10:15:00 PM | 519300.000 | 12.048 | 17.641 |
| 27.462 | 1835.507 | 2135.679 | 1.452 |
| 1.103 | 544.809 | 1.000 | 14.806 |
| 10/18/2016 10:30:00 PM | 520200.000 | 12.049 | 17.642 |
| 27.463 | 1834.910 | 2134.972 | 1.452 |
| 1.102 | 544.986 | 1.000 | 14.807 |
| 10/18/2016 10:45:00 PM | 521100.000 | 12.052 | 17.641 |
| 27.470 | 1834.486 | 2134.504 | 1.451 |
| 1.102 | 545.112 | 1.000 | 14.805 |
| 10/18/2016 11:00:00 PM | 522000.000 | 12.053 | 17.640 |
| 27.472 | 1835.421 | 2135.629 | 1.452 |
| 1.103 | 544.834 | 1.000 | 14.805 |
| 10/18/2016 11:15:00 PM | 522900.000 | 12.050 | 17.641 |
| 27.467 | 1833.931 | 2133.866 | 1.451 |
| 1.102 | 545.277 | 1.000 | 14.807 |
| 10/18/2016 11:30:00 PM | 523800.000 | 12.053 | 17.640 |
| 27.472 | 1835.010 | 2135.150 | 1.452 |
| 1.102 | 544.956 | 1.000 | 14.807 |
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| 27.473 | 1834.185 | 2134.145 | 1.451 |
| 1.102 | 545.201 | 1.000 | 14.807 |
| 10/19/2016 12:00:00 AM | 525600.000 | 12.055 | 17.641 |
| 27.476 | 1833.660 | 2133.559 | 1.451 |

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| 1.101 | 545.357 | 1.000 | 14.806 |
| 10/19/2016 12:15:00 AM | 526500.000 | 12.060 | 17.641 |
| 27.489 | 1834.150 | 2134.125 | 1.451 |
| 1.102 | 545.212 | 1.000 | 14.802 |
| 10/19/2016 12:30:00 AM | 527400.000 | 12.055 | 17.640 |
| 27.476 | 1833.968 | 2133.942 | 1.451 |
| 1.102 | 545.266 | 1.000 | 14.808 |
| 10/19/2016 12:45:00 AM | 528300.000 | 12.063 | 17.641 |
| 27.496 | 1835.130 | 2135.241 | 1.452 |
| 1.102 | 544.920 | 1.000 | 14.799 |
| 10/19/2016 1:00:00 AM | 529200.000 | 12.055 | 17.642 |
| 27.478 | 1835.842 | 2136.048 | 1.453 |
| 1.103 | 544.709 | 1.000 | 14.808 |
| 10/19/2016 1:15:00 AM | 530100.000 | 12.055 | 17.641 |
| 27.478 | 1836.273 | 2136.570 | 1.453 |
| 1.103 | 544.581 | 1.000 | 14.809 |
| 10/19/2016 1:30:00 AM | 531000.000 | 12.059 | 17.641 |
| 27.486 | 1835.753 | 2135.957 | 1.452 |
| 1.103 | 544.736 | 1.000 | 14.805 |
| 10/19/2016 1:45:00 AM | 531900.000 | 12.055 | 17.641 |
| 27.477 | 1836.009 | 2136.254 | 1.453 |
| 1.103 | 544.660 | 1.000 | 14.809 |
| 10/19/2016 2:00:00 AM | 532800.000 | 12.056 | 17.640 |
| 27.480 | 1835.138 | 2135.304 | 1.452 |
| 1.102 | 544.918 | 1.000 | 14.808 |
| 10/19/2016 2:15:00 AM | 533700.000 | 12.058 | 17.642 |
| 27.484 | 1833.891 | 2133.782 | 1.451 |
| 1.102 | 545.289 | 1.000 | 14.808 |
| 10/19/2016 2:30:00 AM | 534600.000 | 12.054 | 17.641 |
| 27.476 | 1834.915 | 2134.986 | 1.452 |
| 1.102 | 544.984 | 1.000 | 14.812 |
| 10/19/2016 2:45:00 AM | 535500.000 | 12.051 | 17.642 |
| 27.468 | 1833.393 | 2133.185 | 1.451 |
| 1.101 | 545.437 | 1.000 | 14.816 |
| 10/19/2016 3:00:00 AM | 536400.000 | 12.054 | 17.641 |
| 27.475 | 1834.360 | 2134.373 | 1.451 |
| 1.102 | 545.149 | 1.000 | 14.813 |
| 10/19/2016 3:15:00 AM | 537300.000 | 12.059 | 17.641 |
| 27.486 | 1834.650 | 2134.681 | 1.452 |
| 1.102 | 545.063 | 1.000 | 14.810 |
| 10/19/2016 3:30:00 AM | 538200.000 | 12.062 | 17.641 |
| 27.494 | 1834.458 | 2134.479 | 1.451 |
| 1.102 | 545.120 | 1.000 | 14.806 |
| 10/19/2016 3:45:00 AM | 539100.000 | 12.058 | 17.641 |
| 27.484 | 1832.324 | 2131.992 | 1.450 |
| 1.101 | 545.755 | 1.000 | 14.811 |
| 10/19/2016 4:00:00 AM | 540000.000 | 12.059 | 17.641 |
| 27.487 | 1831.839 | 2131.431 | 1.449 |
| 1.100 | 545.900 | 1.000 | 14.809 |
| 10/19/2016 4:15:00 AM | 540900.000 | 12.066 | 17.642 |
| 27.501 | 1832.295 | 2131.930 | 1.450 |
| 1.101 | 545.764 | 1.000 | 14.803 |
| 10/19/2016 4:30:00 AM | 541800.000 | 12.069 | 17.640 |
| 27.509 | 1833.058 | 2132.888 | 1.450 |
| 1.101 | 545.536 | 1.000 | 14.799 |

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| 10/19/2016 4:45:00 AM | 542700.000 | 12.061 | 17.641 |
| 27.491 | 1832.792 | 2132.549 | 1.450 |
| 1.101 | 545.616 | 1.000 | 14.807 |
| 10/19/2016 5:00:00 AM | 543600.000 | 12.068 | 17.642 |
| 27.506 | 1833.397 | 2133.212 | 1.451 |
| 1.101 | 545.436 | 1.000 | 14.800 |
| 10/19/2016 5:15:00 AM | 544500.000 | 12.065 | 17.642 |
| 27.500 | 1833.380 | 2133.179 | 1.451 |
| 1.101 | 545.441 | 1.000 | 14.802 |
| 10/19/2016 5:30:00 AM | 545400.000 | 12.062 | 17.641 |
| 27.493 | 1834.428 | 2134.457 | 1.451 |
| 1.102 | 545.129 | 1.000 | 14.804 |
| 10/19/2016 5:45:00 AM | 546300.000 | 12.059 | 17.641 |
| 27.487 | 1834.423 | 2134.455 | 1.451 |
| 1.102 | 545.130 | 1.000 | 14.807 |
| 10/19/2016 6:00:00 AM | 547200.000 | 12.056 | 17.641 |
| 27.479 | 1834.992 | 2135.088 | 1.452 |
| 1.102 | 544.961 | 1.000 | 14.810 |
| 10/19/2016 6:15:00 AM | 548100.000 | 12.055 | 17.641 |
| 27.477 | 1833.422 | 2133.253 | 1.451 |
| 1.101 | 545.428 | 1.000 | 14.811 |
| 10/19/2016 6:30:00 AM | 549000.000 | 12.058 | 17.642 |
| 27.484 | 1833.866 | 2133.753 | 1.451 |
| 1.101 | 545.296 | 1.000 | 14.809 |
| 10/19/2016 6:45:00 AM | 549900.000 | 12.063 | 17.641 |
| 27.495 | 1832.469 | 2132.168 | 1.450 |
| 1.101 | 545.712 | 1.000 | 14.804 |
| 10/19/2016 7:00:00 AM | 550800.000 | 12.064 | 17.642 |
| 27.498 | 1832.824 | 2132.540 | 1.450 |
| 1.101 | 545.606 | 1.000 | 14.802 |
| 10/19/2016 7:15:00 AM | 551700.000 | 12.054 | 17.642 |
| 27.476 | 1832.905 | 2132.626 | 1.450 |
| 1.101 | 545.582 | 1.000 | 14.813 |
| 10/19/2016 7:30:00 AM | 552600.000 | 12.057 | 17.640 |
| 27.483 | 1833.675 | 2133.602 | 1.451 |
| 1.101 | 545.353 | 1.000 | 14.810 |
| 10/19/2016 7:45:00 AM | 553500.000 | 12.058 | 17.642 |
| 27.483 | 1833.075 | 2132.833 | 1.450 |
| 1.101 | 545.531 | 1.000 | 14.809 |
| 10/19/2016 8:00:00 AM | 554400.000 | 12.056 | 17.642 |
| 27.479 | 1833.196 | 2132.978 | 1.450 |
| 1.101 | 545.495 | 1.000 | 14.812 |
| 10/19/2016 8:15:00 AM | 555300.000 | 12.054 | 17.641 |
| 27.476 | 1833.247 | 2133.057 | 1.450 |
| 1.101 | 545.480 | 1.000 | 14.815 |
| 10/19/2016 8:30:00 AM | 556200.000 | 12.059 | 17.641 |
| 27.486 | 1832.206 | 2131.846 | 1.450 |
| 1.100 | 545.790 | 1.000 | 14.816 |
| 10/19/2016 8:45:00 AM | 557100.000 | 12.055 | 17.642 |
| 27.477 | 1831.179 | 2130.601 | 1.449 |
| 1.100 | 546.096 | 1.000 | 14.816 |
| 10/19/2016 9:00:00 AM | 558000.000 | 12.048 | 17.641 |
| 27.460 | 1834.300 | 2134.271 | 1.451 |
| 1.102 | 545.167 | 1.000 | 14.824 |
| 10/19/2016 9:15:00 AM | 558900.000 | 12.051 | 17.642 |

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| 27.468 | 1833.563 | 2133.396 | 1.451 |
| 1.101 | 545.386 | 1.000 | 14.821 |
| 10/19/2016 9:30:00 AM | 559800.000 | 12.054 | 17.642 |
| 27.474 | 1832.732 | 2132.430 | 1.450 |
| 1.101 | 545.633 | 1.000 | 14.820 |
| 10/19/2016 9:45:00 AM | 560700.000 | 12.050 | 17.641 |
| 27.465 | 1834.106 | 2134.066 | 1.451 |
| 1.102 | 545.225 | 1.000 | 14.825 |
| 10/19/2016 10:00:00 AM | 561600.000 | 12.054 | 17.642 |
| 27.474 | 1835.699 | 2135.885 | 1.452 |
| 1.103 | 544.752 | 1.000 | 14.821 |
| 10/19/2016 10:15:00 AM | 562500.000 | 12.061 | 17.642 |
| 27.490 | 1836.182 | 2136.427 | 1.453 |
| 1.103 | 544.608 | 1.000 | 14.815 |
| 10/19/2016 10:30:00 AM | 563400.000 | 12.055 | 17.641 |
| 27.477 | 1836.261 | 2136.548 | 1.453 |
| 1.103 | 544.585 | 1.000 | 14.820 |
| 10/19/2016 10:45:00 AM | 564300.000 | 12.059 | 17.642 |
| 27.486 | 1835.974 | 2136.185 | 1.453 |
| 1.103 | 544.670 | 1.000 | 14.816 |
| 10/19/2016 11:00:00 AM | 565200.000 | 12.060 | 17.640 |
| 27.488 | 1835.951 | 2136.253 | 1.453 |
| 1.103 | 544.677 | 1.000 | 14.816 |
| 10/19/2016 11:15:00 AM | 566100.000 | 12.060 | 17.642 |
| 27.489 | 1835.471 | 2135.617 | 1.452 |
| 1.103 | 544.819 | 1.000 | 14.815 |
| 10/19/2016 11:30:00 AM | 567000.000 | 12.062 | 17.641 |
| 27.493 | 1836.969 | 2137.372 | 1.453 |
| 1.103 | 544.375 | 1.000 | 14.813 |
| 10/19/2016 11:45:00 AM | 567900.000 | 12.062 | 17.642 |
| 27.493 | 1838.095 | 2138.656 | 1.454 |
| 1.104 | 544.042 | 1.000 | 14.812 |
| 10/19/2016 12:00:00 PM | 568800.000 | 12.066 | 17.641 |
| 27.503 | 1838.095 | 2138.698 | 1.454 |
| 1.104 | 544.042 | 1.000 | 14.806 |
| 10/19/2016 12:15:00 PM | 569700.000 | 12.073 | 17.640 |
| 27.518 | 1837.342 | 2137.855 | 1.454 |
| 1.104 | 544.264 | 1.000 | 14.800 |
| 10/19/2016 12:30:00 PM | 570600.000 | 12.071 | 17.641 |
| 27.513 | 1838.805 | 2139.529 | 1.455 |
| 1.105 | 543.831 | 1.000 | 14.800 |
| 10/19/2016 12:45:00 PM | 571500.000 | 12.070 | 17.641 |
| 27.510 | 1837.141 | 2137.577 | 1.454 |
| 1.104 | 544.324 | 1.000 | 14.801 |
| 10/19/2016 1:00:00 PM | 572400.000 | 12.075 | 17.642 |
| 27.522 | 1834.814 | 2134.818 | 1.452 |
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| 10/19/2016 1:15:00 PM | 573300.000 | 12.074 | 17.641 |
| 27.519 | 1836.190 | 2136.502 | 1.453 |
| 1.103 | 544.606 | 1.000 | 14.796 |
| 10/19/2016 1:30:00 PM | 574200.000 | 12.073 | 17.642 |
| 27.517 | 1834.752 | 2134.767 | 1.452 |
| 1.102 | 545.033 | 1.000 | 14.792 |
| 10/19/2016 1:45:00 PM | 575100.000 | 12.069 | 17.642 |
| 27.509 | 1835.608 | 2135.771 | 1.452 |

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| 1.103 | 544.779 | 1.000 | 14.796 |
| 10/19/2016 2:00:00 PM | 576000.000 | 12.070 | 17.641 |
| 27.511 | 1837.054 | 2137.500 | 1.454 |
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| 1.103 | 544.561 | 1.000 | 14.794 |
| 10/19/2016 2:30:00 PM | 577800.000 | 12.075 | 17.642 |
| 27.523 | 1835.545 | 2135.698 | 1.452 |
| 1.103 | 544.797 | 1.000 | 14.786 |
| 10/19/2016 2:45:00 PM | 578700.000 | 12.078 | 17.642 |
| 27.529 | 1836.225 | 2136.502 | 1.453 |
| 1.103 | 544.596 | 1.000 | 14.782 |
| 10/19/2016 3:00:00 PM | 579600.000 | 12.073 | 17.642 |
| 27.517 | 1837.331 | 2137.772 | 1.454 |
| 1.104 | 544.268 | 1.000 | 14.786 |
| 10/19/2016 3:15:00 PM | 580500.000 | 12.069 | 17.642 |
| 27.509 | 1837.877 | 2138.408 | 1.454 |
| 1.104 | 544.106 | 1.000 | 14.787 |
| 10/19/2016 3:30:00 PM | 581400.000 | 12.073 | 17.641 |
| 27.519 | 1836.854 | 2137.280 | 1.453 |
| 1.103 | 544.409 | 1.000 | 14.783 |
| 10/19/2016 3:45:00 PM | 582300.000 | 12.074 | 17.642 |
| 27.520 | 1836.317 | 2136.601 | 1.453 |
| 1.103 | 544.568 | 1.000 | 14.781 |
| 10/19/2016 4:00:00 PM | 583200.000 | 12.077 | 17.641 |
| 27.527 | 1837.326 | 2137.800 | 1.454 |
| 1.104 | 544.269 | 1.000 | 14.778 |
| 10/19/2016 4:15:00 PM | 584100.000 | 12.072 | 17.642 |
| 27.516 | 1835.977 | 2136.176 | 1.453 |
| 1.103 | 544.669 | 1.000 | 14.782 |
| 10/19/2016 4:30:00 PM | 585000.000 | 12.070 | 17.642 |
| 27.511 | 1835.054 | 2135.115 | 1.452 |
| 1.102 | 544.943 | 1.000 | 14.783 |
| 10/19/2016 4:45:00 PM | 585900.000 | 12.069 | 17.641 |
| 27.510 | 1837.174 | 2137.611 | 1.454 |
| 1.104 | 544.314 | 1.000 | 14.782 |
| 10/19/2016 5:00:00 PM | 586800.000 | 12.071 | 17.642 |
| 27.514 | 1838.248 | 2138.826 | 1.454 |
| 1.104 | 543.996 | 1.000 | 14.780 |
| 10/19/2016 5:15:00 PM | 587700.000 | 12.070 | 17.641 |
| 27.512 | 1837.564 | 2138.073 | 1.454 |
| 1.104 | 544.199 | 1.000 | 14.778 |
| 10/19/2016 5:30:00 PM | 588600.000 | 12.071 | 17.643 |
| 27.515 | 1837.334 | 2137.746 | 1.454 |
| 1.104 | 544.267 | 1.000 | 14.777 |
| 10/19/2016 5:45:00 PM | 589500.000 | 12.070 | 17.642 |
| 27.511 | 1837.250 | 2137.690 | 1.454 |
| 1.104 | 544.292 | 1.000 | 14.778 |
| 10/19/2016 6:00:00 PM | 590400.000 | 12.069 | 17.642 |
| 27.508 | 1837.109 | 2137.493 | 1.453 |
| 1.104 | 544.333 | 1.000 | 14.779 |
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| 27.507 | 1836.441 | 2136.741 | 1.453 |
| 1.103 | 544.531 | 1.000 | 14.778 |

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| 10/19/2016 6:30:00 PM | 592200.000 | 12.072 | 17.641 |
| 27.516 | 1837.296 | 2137.752 | 1.454 |
| 1.104 | 544.278 | 1.000 | 14.774 |
| 10/19/2016 6:45:00 PM | 593100.000 | 12.066 | 17.642 |
| 27.501 | 1836.634 | 2136.973 | 1.453 |
| 1.103 | 544.474 | 1.000 | 14.779 |
| 10/19/2016 7:00:00 PM | 594000.000 | 12.070 | 17.641 |
| 27.511 | 1837.249 | 2137.730 | 1.454 |
| 1.104 | 544.292 | 1.000 | 14.776 |
| 10/19/2016 7:15:00 PM | 594900.000 | 12.070 | 17.642 |
| 27.511 | 1836.762 | 2137.094 | 1.453 |
| 1.103 | 544.436 | 1.000 | 14.775 |
| 10/19/2016 7:30:00 PM | 595800.000 | 12.063 | 17.642 |
| 27.495 | 1836.658 | 2137.005 | 1.453 |
| 1.103 | 544.467 | 1.000 | 14.782 |
| 10/19/2016 7:45:00 PM | 596700.000 | 12.064 | 17.642 |
| 27.497 | 1837.355 | 2137.788 | 1.454 |
| 1.104 | 544.261 | 1.000 | 14.782 |
| 10/19/2016 8:00:00 PM | 597600.000 | 12.063 | 17.642 |
| 27.495 | 1837.420 | 2137.892 | 1.454 |
| 1.104 | 544.241 | 1.000 | 14.783 |
| 10/19/2016 8:15:00 PM | 598500.000 | 12.060 | 17.642 |
| 27.488 | 1837.842 | 2138.362 | 1.454 |
| 1.104 | 544.116 | 1.000 | 14.787 |
| 10/19/2016 8:30:00 PM | 599400.000 | 12.062 | 17.641 |
| 27.492 | 1837.575 | 2138.098 | 1.454 |
| 1.104 | 544.195 | 1.000 | 14.785 |
| 10/19/2016 8:45:00 PM | 600300.000 | 12.067 | 17.641 |
| 27.505 | 1833.997 | 2133.913 | 1.451 |
| 1.102 | 545.257 | 1.000 | 14.781 |
| 10/19/2016 9:00:00 PM | 601200.000 | 12.062 | 17.641 |
| 27.493 | 1833.685 | 2133.579 | 1.451 |
| 1.101 | 545.350 | 1.000 | 14.786 |
| 10/19/2016 9:15:00 PM | 602100.000 | 12.061 | 17.642 |
| 27.491 | 1832.974 | 2132.703 | 1.450 |
| 1.101 | 545.561 | 1.000 | 14.787 |
| 10/19/2016 9:30:00 PM | 603000.000 | 12.056 | 17.641 |
| 27.479 | 1832.668 | 2132.389 | 1.450 |
| 1.101 | 545.653 | 1.000 | 14.792 |
| 10/19/2016 9:45:00 PM | 603900.000 | 12.057 | 17.642 |
| 27.482 | 1834.363 | 2134.336 | 1.451 |
| 1.102 | 545.148 | 1.000 | 14.792 |
| 10/19/2016 10:00:00 PM | 604800.000 | 12.060 | 17.642 |
| 27.488 | 1834.126 | 2134.026 | 1.451 |
| 1.102 | 545.219 | 1.000 | 14.790 |
| 10/19/2016 10:15:00 PM | 605700.000 | 12.059 | 17.643 |
| 27.486 | 1835.062 | 2135.100 | 1.452 |
| 1.102 | 544.941 | 1.000 | 14.794 |
| 10/19/2016 10:30:00 PM | 606600.000 | 12.062 | 17.640 |
| 27.493 | 1834.544 | 2134.609 | 1.452 |
| 1.102 | 545.094 | 1.000 | 14.790 |
| 10/19/2016 10:45:00 PM | 607500.000 | 12.068 | 17.641 |
| 27.507 | 1833.703 | 2133.576 | 1.451 |
| 1.101 | 545.345 | 1.000 | 14.786 |
| 10/19/2016 11:00:00 PM | 608400.000 | 12.059 | 17.642 |

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| 27.485 | 1834.274 | 2134.198 | 1.451 |
| 1.102 | 545.175 | 1.000 | 14.794 |
| 10/19/2016 11:15:00 PM | 609300.000 | 12.062 | 17.642 |
| 27.492 | 1835.263 | 2135.378 | 1.452 |
| 1.102 | 544.881 | 1.000 | 14.793 |
| 10/19/2016 11:30:00 PM | 610200.000 | 12.063 | 17.642 |
| 27.495 | 1836.076 | 2136.312 | 1.453 |
| 1.103 | 544.640 | 1.000 | 14.792 |
| 10/19/2016 11:45:00 PM | 611100.000 | 12.064 | 17.642 |
| 27.498 | 1834.521 | 2134.510 | 1.451 |
| 1.102 | 545.102 | 1.000 | 14.790 |

Report Date: 10/21/2016 8:26:03 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-8D LT Test_2016-10-20_16-48-17-989-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-8D
Device Name:
Serial Number: 437552
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 3
Used Battery(%): 0

Log Configuration
Log Name: MPWSP MW-8D LT Test
Created By: KMakar
Computer Name: PROBOOK10
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 1/15/2016 9:12:40 AM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 1/15/2016 9:15:00 AM Pacific Standard Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.012

Other Log Settings
Depth of Probe: 335.498 (ft)
Head Pressure: 147.193 (PSI)
Temperature: 20.3696 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

Log Notes:

| Date and Time | Note |
|---|---|
| 1/15/2016 9:12:50 AM | Used Battery: 0% Used Memory: 6% User Name: KMakar |
| 1/21/2016 8:56:16 AM | Log Download - Used Battery: 0% Used Memory: 3% User Name: KMakar |
| 1/28/2016 9:16:30 AM | Log Download - Used Battery: 1% Used Memory: 3% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 9:15:00 AM |
| 2/4/2016 10:13:13 AM | Log Download - Used Battery: 1% Used Memory: 4% User Name: CShaw Interval - Start Time: 1/15/2016 9:15:00 AM Stop Time: 2/4/2016 11:00:00 AM |
| 2/11/2016 10:01:09 AM | Log Download - Used Battery: 1% Used Memory: 6% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 10:00:00 AM |
| 2/18/2016 11:20:41 AM | Log Download - Used Battery: 2% Used Memory: 6% User Name: CShaw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 11:30:00 AM |
| 2/25/2016 10:47:51 AM | Log Download - Used Battery: 2% Used Memory: 7% User Name: KMakar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 10:45:00 AM |
| 3/3/2016 12:49:53 PM | Log Download - Used Battery: 2% Used Memory: 7% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 1:45:00 PM |
| 3/10/2016 2:36:57 PM | Log Download - Used Battery: 3% Used Memory: 9% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 2:30:00 PM |
| 3/17/2016 12:30:02 PM | Log Download - Used Battery: 3% Used Memory: 9% User Name: SKuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 1:15:00 PM |
| 3/24/2016 8:57:31 AM | Log Download - Used Battery: 4% Used Memory: 10% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 9:00:00 AM |
| 3/31/2016 3:08:14 PM | Log Download - Used Battery: 4% Used Memory: 10% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 4:00:00 PM |
| 4/7/2016 9:35:01 AM | Log Download - Used Battery: 4% Used Memory: 12% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 9:30:00 AM |
| 4/14/2016 3:11:46 PM | Log Download - Used Battery: 5% Used Memory: 12% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 3:15:00 PM |
| 4/21/2016 1:17:44 PM | Log Download - Used Battery: 5% Used Memory: 14% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 3:30:00 PM |
| 4/28/2016 8:16:35 AM | Log Download - Used Battery: 5% Used Memory: 14% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 8:15:00 AM |
| 5/5/2016 9:23:19 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 10:15:00 AM |
| 5/12/2016 10:11:09 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 10:00:00 AM |
| 5/19/2016 1:55:18 PM | Log Download - Used Battery: 6% Used Memory: 17% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 2:45:00 PM |
| 5/26/2016 9:03:15 AM | Log Download - Used Battery: 7% Used Memory: 17% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 9:00:00 AM |
| 6/2/2016 11:33:27 AM | Log Download - Used Battery: 7% Used Memory: 18% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 12:15:00 PM |
| 6/9/2016 9:31:51 AM | Log Download - Used Battery: 8% Used Memory: 18% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 10:30:00 AM |
| 6/16/2016 11:10:03 AM | Log Download - Used Battery: 8% Used Memory: 20% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 11:00:00 AM |
| 6/23/2016 10:06:21 AM | Log Download - Used Battery: 8% Used Memory: 20% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 10:45:00 AM |
| 7/1/2016 11:40:47 AM | Log Download - Used Battery: 9% Used Memory: 21% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 12:15:00 PM |

7/8/2016 11:51:05 AM Log Download - Used Battery: 9% Used Memory: 23% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 11:30:00 AM
7/14/2016 6:06:44 PM Log Download - Used Battery: 9% Used Memory: 23% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 7:00:00 PM
7/21/2016 10:28:35 AM Log Download - Used Battery: 10% Used Memory: 25% User Name: SKuiper Interval - Start Time: 6/13/2016 10:00:00 PM Stop Time: 7/21/2016 10:00:00 AM
7/21/2016 11:41:45 AM Log Download - Used Battery: 10% Used Memory: 25% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 12:00:00 PM
7/21/2016 11:47:48 AM Log Download - Used Battery: 10% Used Memory: 25% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 12:30:00 PM
7/28/2016 6:14:41 PM Log Download - Used Battery: 10% Used Memory: 25% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 7:00:00 PM
8/4/2016 2:52:58 PM Log Download - Used Battery: 11% Used Memory: 26% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 3:30:00 PM
8/11/2016 10:46:08 AM Log Download - Used Battery: 11% Used Memory: 26% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 11:45:00 AM
8/18/2016 3:40:06 PM Log Download - Used Battery: 11% Used Memory: 28% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 4:30:00 PM
8/25/2016 12:20:31 PM Log Download - Used Battery: 12% Used Memory: 28% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 1:15:00 PM
9/1/2016 4:03:09 PM Log Download - Used Battery: 12% Used Memory: 29% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 4:45:00 PM
9/8/2016 6:21:54 PM Log Download - Used Battery: 12% Used Memory: 29% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 7:00:00 PM
9/15/2016 3:08:12 PM Log Download - Used Battery: 13% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 4:00:00 PM
9/22/2016 12:40:49 PM Log Download - Used Battery: 13% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 1:30:00 PM
10/1/2016 11:26:38 AM Log Download - Used Battery: 14% Used Memory: 32% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 12:15:00 PM
10/6/2016 12:01:25 PM Log Download - Used Battery: 14% Used Memory: 32% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/6/2016 12:00:00 PM
10/13/2016 4:23:35 PM Log Download - Used Battery: 14% Used Memory: 34% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 5:00:00 PM
10/20/2016 4:47:15 PM Log Download - Used Battery: 15% Used Memory: 34% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 4:30:00 PM
10/21/2016 8:23:58 AM User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl""

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Log Data:
Record Count: 746
Sensors: 2
1 - 437552: PCTD 300 PSIA (200.7m/658.7ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

Sensor: PCTD(A) 658.7ft Sensor: PCTD(A) 658.7ft Sensor: PCTD(A) 658.7ft Sensor: PCTD(A) 658.7ft Sensor: PCTD(A) 658.7ft Sensor: PCTD(A) 658.7ft Sensor: PCTD(A) 658.7ft Sensor: PCTD(A) 658.7ft Sensor: PCTD(A) 658.7ft Sensor: Baro-Adj Calc
SN#: 437552 SN#: 437552 SN#: 437552 SN#: 437552 SN#: 437552 SN#: 437552 SN#: 437552 SN#: 437552

| SN#: 437552 | SN#: 437552 | SN#: 000000 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Date and Time | Elapsed Time Seconds | Corrected Pressure (PSI) | Temperature (C) | Corrected Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppm) | Resistivity (ohm-cm) | Water Density (g/cm3) | Barometric Pressure (PSI) |
| 10/13/2016 12:00:00 AM | 7200.000 | 129.479 | 20.362 | 295.123 | 15421.918 | 16920.783 | 10.061 | 11506.133 | 64.843 | 1.006 | 14.771 |
| 10/13/2016 12:15:00 AM | 8100.000 | 129.477 | 20.362 | 295.119 | 15423.172 | 16922.348 | 10.062 | 11507.196 | 64.838 | 1.006 | 14.771 |
| 10/13/2016 12:30:00 AM | 9000.000 | 129.472 | 20.365 | 295.106 | 15422.248 | 16920.219 | 10.061 | 11505.750 | 64.841 | 1.006 | 14.773 |
| 10/13/2016 12:45:00 AM | 9900.000 | 129.468 | 20.354 | 295.097 | 15425.380 | 16927.398 | 10.066 | 11510.632 | 64.828 | 1.006 | 14.775 |
| 10/13/2016 1:00:00 AM | 10800.000 | 129.457 | 20.362 | 295.073 | 15420.658 | 16919.430 | 10.061 | 11505.213 | 64.848 | 1.006 | 14.777 |
| 10/13/2016 1:15:00 AM | 11700.000 | 129.449 | 20.362 | 295.054 | 15424.168 | 16923.439 | 10.063 | 11507.939 | 64.833 | 1.006 | 14.782 |
| 10/13/2016 1:30:00 AM | 12600.000 | 129.448 | 20.355 | 295.052 | 15417.876 | 16918.980 | 10.060 | 11504.907 | 64.860 | 1.006 | 14.772 |
| 10/13/2016 1:45:00 AM | 13500.000 | 129.439 | 20.357 | 295.031 | 15420.967 | 16921.660 | 10.062 | 11506.730 | 64.847 | 1.006 | 14.770 |
| 10/13/2016 2:00:00 AM | 14400.000 | 129.430 | 20.356 | 295.011 | 15415.611 | 16916.121 | 10.058 | 11502.963 | 64.869 | 1.006 | 14.774 |
| 10/13/2016 2:15:00 AM | 15300.000 | 129.423 | 20.369 | 294.995 | 15423.657 | 16920.373 | 10.061 | 11505.854 | 64.835 | 1.006 | 14.774 |
| 10/13/2016 2:30:00 AM | 16200.000 | 129.417 | 20.365 | 294.982 | 15425.576 | 16923.961 | 10.064 | 11508.294 | 64.827 | 1.006 | 14.772 |
| 10/13/2016 2:45:00 AM | 17100.000 | 129.423 | 20.361 | 294.995 | 15417.607 | 16916.518 | 10.059 | 11503.233 | 64.861 | 1.006 | 14.773 |
| 10/13/2016 3:00:00 AM | 18000.000 | 129.405 | 20.355 | 294.954 | 15419.096 | 16920.348 | 10.061 | 11505.838 | 64.855 | 1.006 | 14.778 |
| 10/13/2016 3:15:00 AM | 18900.000 | 129.408 | 20.357 | 294.961 | 15412.843 | 16912.809 | 10.056 | 11500.711 | 64.881 | 1.006 | 14.769 |
| 10/13/2016 3:30:00 AM | 19800.000 | 129.392 | 20.358 | 294.925 | 15416.256 | 16915.930 | 10.058 | 11502.832 | 64.867 | 1.006 | 14.764 |

| | | | |
|---|---|---|---|
| 10/13/2016 3:45:00 AM | 20700.000 | 129.388 | 20.355 |
| 294.915 | 15413.126 | 16913.797 | 10.057 |
| 11501.383 | 64.880 | 1.006 | 14.763 |
| 10/13/2016 4:00:00 AM | 21600.000 | 129.382 | 20.357 |
| 294.902 | 15414.881 | 16914.766 | 10.058 |
| 11502.042 | 64.872 | 1.006 | 14.761 |
| 10/13/2016 4:15:00 AM | 22500.000 | 129.385 | 20.359 |
| 294.909 | 15416.058 | 16915.467 | 10.058 |
| 11502.518 | 64.867 | 1.006 | 14.763 |
| 10/13/2016 4:30:00 AM | 23400.000 | 129.389 | 20.358 |
| 294.918 | 15411.551 | 16910.768 | 10.055 |
| 11499.323 | 64.886 | 1.006 | 14.759 |
| 10/13/2016 4:45:00 AM | 24300.000 | 129.387 | 20.359 |
| 294.912 | 15413.613 | 16912.910 | 10.056 |
| 11500.780 | 64.878 | 1.006 | 14.757 |
| 10/13/2016 5:00:00 AM | 25200.000 | 129.376 | 20.365 |
| 294.887 | 15414.138 | 16911.320 | 10.055 |
| 11499.698 | 64.876 | 1.006 | 14.757 |
| 10/13/2016 5:15:00 AM | 26100.000 | 129.373 | 20.365 |
| 294.880 | 15416.473 | 16913.973 | 10.057 |
| 11501.502 | 64.866 | 1.006 | 14.761 |
| 10/13/2016 5:30:00 AM | 27000.000 | 129.382 | 20.363 |
| 294.901 | 15413.211 | 16911.014 | 10.055 |
| 11499.490 | 64.879 | 1.006 | 14.759 |
| 10/13/2016 5:45:00 AM | 27900.000 | 129.384 | 20.361 |
| 294.906 | 15408.769 | 16906.883 | 10.052 |
| 11496.682 | 64.898 | 1.006 | 14.755 |
| 10/13/2016 6:00:00 AM | 28800.000 | 129.389 | 20.364 |
| 294.918 | 15409.250 | 16906.234 | 10.052 |
| 11496.239 | 64.896 | 1.006 | 14.758 |
| 10/13/2016 6:15:00 AM | 29700.000 | 129.393 | 20.361 |
| 294.927 | 15410.101 | 16908.191 | 10.053 |
| 11497.571 | 64.893 | 1.006 | 14.758 |
| 10/13/2016 6:30:00 AM | 30600.000 | 129.394 | 20.361 |
| 294.928 | 15406.617 | 16904.490 | 10.051 |
| 11495.055 | 64.907 | 1.006 | 14.760 |
| 10/13/2016 6:45:00 AM | 31500.000 | 129.401 | 20.353 |
| 294.944 | 15411.403 | 16912.559 | 10.056 |
| 11500.541 | 64.887 | 1.006 | 14.755 |
| 10/13/2016 7:00:00 AM | 32400.000 | 129.410 | 20.358 |
| 294.965 | 15415.785 | 16915.539 | 10.058 |
| 11502.567 | 64.869 | 1.006 | 14.754 |
| 10/13/2016 7:15:00 AM | 33300.000 | 129.419 | 20.365 |
| 294.986 | 15407.750 | 16904.092 | 10.051 |
| 11494.782 | 64.902 | 1.006 | 14.752 |
| 10/13/2016 7:30:00 AM | 34200.000 | 129.449 | 20.367 |
| 295.054 | 15414.191 | 16910.512 | 10.055 |
| 11499.149 | 64.875 | 1.006 | 14.754 |
| 10/13/2016 7:45:00 AM | 35100.000 | 129.426 | 20.360 |
| 295.001 | 15412.821 | 16911.453 | 10.055 |
| 11499.788 | 64.881 | 1.006 | 14.754 |
| 10/13/2016 8:00:00 AM | 36000.000 | 129.440 | 20.362 |
| 295.034 | 15410.025 | 16907.764 | 10.053 |
| 11497.280 | 64.893 | 1.006 | 14.751 |
| 10/13/2016 8:15:00 AM | 36900.000 | 129.441 | 20.358 |

| | | | |
|---|---|---|---|
| 295.037 | 15412.883 | 16912.510 | 10.056 |
| 11500.508 | 64.881 | 1.006 | 14.754 |
| 10/13/2016 8:30:00 AM | 37800.000 | 129.456 | 20.364 |
| 295.070 | 15411.893 | 16909.291 | 10.054 |
| 11498.318 | 64.885 | 1.006 | 14.757 |
| 10/13/2016 8:45:00 AM | 38700.000 | 129.453 | 20.360 |
| 295.062 | 15415.967 | 16915.059 | 10.058 |
| 11502.241 | 64.868 | 1.006 | 14.759 |
| 10/13/2016 9:00:00 AM | 39600.000 | 129.483 | 20.366 |
| 295.131 | 15415.304 | 16912.104 | 10.056 |
| 11500.230 | 64.871 | 1.006 | 14.760 |
| 10/13/2016 9:15:00 AM | 40500.000 | 129.481 | 20.368 |
| 295.128 | 15421.431 | 16918.082 | 10.060 |
| 11504.296 | 64.845 | 1.006 | 14.761 |
| 10/13/2016 9:30:00 AM | 41400.000 | 129.488 | 20.363 |
| 295.143 | 15419.813 | 16918.070 | 10.060 |
| 11504.289 | 64.852 | 1.006 | 14.771 |
| 10/13/2016 9:45:00 AM | 42300.000 | 129.504 | 20.358 |
| 295.179 | 15419.229 | 16919.289 | 10.060 |
| 11505.116 | 64.854 | 1.006 | 14.763 |
| 10/13/2016 10:00:00 AM | 43200.000 | 129.503 | 20.358 |
| 295.178 | 15415.581 | 16915.160 | 10.058 |
| 11502.309 | 64.869 | 1.006 | 14.774 |
| 10/13/2016 10:15:00 AM | 44100.000 | 129.508 | 20.358 |
| 295.188 | 15414.744 | 16914.242 | 10.057 |
| 11501.686 | 64.873 | 1.006 | 14.770 |
| 10/13/2016 10:30:00 AM | 45000.000 | 129.513 | 20.365 |
| 295.199 | 15420.731 | 16918.645 | 10.060 |
| 11504.680 | 64.848 | 1.006 | 14.770 |
| 10/13/2016 10:45:00 AM | 45900.000 | 129.514 | 20.365 |
| 295.202 | 15420.677 | 16918.617 | 10.060 |
| 11504.660 | 64.848 | 1.006 | 14.773 |
| 10/13/2016 11:00:00 AM | 46800.000 | 129.522 | 20.367 |
| 295.222 | 15419.653 | 16916.504 | 10.059 |
| 11503.224 | 64.852 | 1.006 | 14.773 |
| 10/13/2016 11:15:00 AM | 47700.000 | 129.524 | 20.367 |
| 295.226 | 15425.751 | 16923.193 | 10.063 |
| 11507.772 | 64.827 | 1.006 | 14.776 |
| 10/13/2016 11:30:00 AM | 48600.000 | 129.528 | 20.365 |
| 295.234 | 15422.812 | 16920.744 | 10.061 |
| 11506.107 | 64.839 | 1.006 | 14.775 |
| 10/13/2016 11:45:00 AM | 49500.000 | 129.542 | 20.363 |
| 295.266 | 15420.169 | 16918.615 | 10.060 |
| 11504.659 | 64.850 | 1.006 | 14.770 |
| 10/13/2016 12:00:00 PM | 50400.000 | 129.532 | 20.358 |
| 295.243 | 15416.564 | 16916.492 | 10.059 |
| 11503.216 | 64.865 | 1.006 | 14.770 |
| 10/13/2016 12:15:00 PM | 51300.000 | 129.537 | 20.363 |
| 295.254 | 15419.957 | 16918.445 | 10.060 |
| 11504.543 | 64.851 | 1.006 | 14.770 |
| 10/13/2016 12:30:00 PM | 52200.000 | 129.533 | 20.361 |
| 295.247 | 15416.294 | 16915.107 | 10.058 |
| 11502.273 | 64.866 | 1.006 | 14.770 |
| 10/13/2016 12:45:00 PM | 53100.000 | 129.542 | 20.364 |
| 295.265 | 15422.725 | 16921.111 | 10.062 |

| | | | |
|---|---|---|---|
| 11506.356 | 64.839 | 1.006 | 14.765 |
| 10/13/2016 1:00:00 PM | 54000.000 | 129.531 | 20.358 |
| 295.242 | 15415.652 | 16915.490 | 10.058 |
| 11502.534 | 64.869 | 1.006 | 14.766 |
| 10/13/2016 1:15:00 PM | 54900.000 | 129.539 | 20.363 |
| 295.260 | 15424.293 | 16923.201 | 10.063 |
| 11507.778 | 64.833 | 1.006 | 14.763 |
| 10/13/2016 1:30:00 PM | 55800.000 | 129.528 | 20.365 |
| 295.235 | 15420.046 | 16917.893 | 10.060 |
| 11504.168 | 64.851 | 1.006 | 14.753 |
| 10/13/2016 1:45:00 PM | 56700.000 | 129.531 | 20.360 |
| 295.241 | 15420.779 | 16920.277 | 10.061 |
| 11505.790 | 64.848 | 1.006 | 14.757 |
| 10/13/2016 2:00:00 PM | 57600.000 | 129.527 | 20.356 |
| 295.231 | 15416.172 | 16916.646 | 10.059 |
| 11503.319 | 64.867 | 1.006 | 14.756 |
| 10/13/2016 2:15:00 PM | 58500.000 | 129.525 | 20.358 |
| 295.228 | 15413.620 | 16913.133 | 10.057 |
| 11500.931 | 64.878 | 1.006 | 14.755 |
| 10/13/2016 2:30:00 PM | 59400.000 | 129.522 | 20.354 |
| 295.220 | 15416.543 | 16917.672 | 10.059 |
| 11504.017 | 64.865 | 1.006 | 14.752 |
| 10/13/2016 2:45:00 PM | 60300.000 | 129.523 | 20.359 |
| 295.223 | 15418.653 | 16918.346 | 10.060 |
| 11504.477 | 64.857 | 1.006 | 14.750 |
| 10/13/2016 3:00:00 PM | 61200.000 | 129.517 | 20.356 |
| 295.210 | 15413.451 | 16913.781 | 10.057 |
| 11501.371 | 64.878 | 1.006 | 14.750 |
| 10/13/2016 3:15:00 PM | 62100.000 | 129.505 | 20.355 |
| 295.183 | 15413.329 | 16914.020 | 10.057 |
| 11501.533 | 64.879 | 1.006 | 14.747 |
| 10/13/2016 3:30:00 PM | 63000.000 | 129.501 | 20.359 |
| 295.173 | 15411.060 | 16910.045 | 10.055 |
| 11498.832 | 64.888 | 1.006 | 14.744 |
| 10/13/2016 3:45:00 PM | 63900.000 | 129.530 | 20.360 |
| 295.240 | 15411.054 | 16909.605 | 10.054 |
| 11498.533 | 64.888 | 1.006 | 14.739 |
| 10/13/2016 4:00:00 PM | 64800.000 | 129.501 | 20.357 |
| 295.173 | 15409.045 | 16908.641 | 10.054 |
| 11497.876 | 64.897 | 1.006 | 14.734 |
| 10/13/2016 4:15:00 PM | 65700.000 | 129.494 | 20.367 |
| 295.156 | 15412.501 | 16908.600 | 10.054 |
| 11497.849 | 64.882 | 1.006 | 14.739 |
| 10/13/2016 4:30:00 PM | 66600.000 | 129.501 | 20.359 |
| 295.172 | 15402.722 | 16900.834 | 10.049 |
| 11492.568 | 64.924 | 1.006 | 14.732 |
| 10/13/2016 4:45:00 PM | 67500.000 | 129.495 | 20.362 |
| 295.158 | 15410.571 | 16908.363 | 10.053 |
| 11497.688 | 64.891 | 1.006 | 14.734 |
| 10/13/2016 5:00:00 PM | 68400.000 | 129.489 | 20.363 |
| 295.145 | 15411.917 | 16909.531 | 10.054 |
| 11498.481 | 64.885 | 1.006 | 14.729 |
| 10/13/2016 5:15:00 PM | 69300.000 | 129.477 | 20.371 |
| 295.118 | 15409.271 | 16903.844 | 10.051 |
| 11494.614 | 64.896 | 1.006 | 14.732 |

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|---|---|---|---|
| 10/13/2016 5:30:00 PM | 70200.000 | 129.489 | 20.353 |
| 295.146 | 15407.081 | 16907.938 | 10.053 |
| 11497.398 | 64.905 | 1.006 | 14.726 |
| 10/13/2016 5:45:00 PM | 71100.000 | 129.489 | 20.356 |
| 295.145 | 15407.975 | 16907.559 | 10.053 |
| 11497.140 | 64.901 | 1.006 | 14.722 |
| 10/13/2016 6:00:00 PM | 72000.000 | 129.505 | 20.357 |
| 295.182 | 15394.237 | 16892.424 | 10.043 |
| 11486.849 | 64.959 | 1.006 | 14.725 |
| 10/13/2016 6:15:00 PM | 72900.000 | 129.493 | 20.356 |
| 295.154 | 15404.540 | 16904.002 | 10.051 |
| 11494.723 | 64.916 | 1.006 | 14.729 |
| 10/13/2016 6:30:00 PM | 73800.000 | 129.494 | 20.360 |
| 295.157 | 15400.519 | 16898.047 | 10.047 |
| 11490.672 | 64.933 | 1.006 | 14.732 |
| 10/13/2016 6:45:00 PM | 74700.000 | 129.492 | 20.364 |
| 295.153 | 15402.131 | 16898.609 | 10.047 |
| 11491.056 | 64.926 | 1.006 | 14.731 |
| 10/13/2016 7:00:00 PM | 75600.000 | 129.500 | 20.362 |
| 295.170 | 15405.450 | 16902.811 | 10.050 |
| 11493.912 | 64.912 | 1.006 | 14.733 |
| 10/13/2016 7:15:00 PM | 76500.000 | 129.520 | 20.360 |
| 295.217 | 15399.284 | 16896.633 | 10.046 |
| 11489.711 | 64.938 | 1.006 | 14.728 |
| 10/13/2016 7:30:00 PM | 77400.000 | 129.517 | 20.355 |
| 295.208 | 15397.350 | 16896.361 | 10.046 |
| 11489.525 | 64.946 | 1.006 | 14.733 |
| 10/13/2016 7:45:00 PM | 78300.000 | 129.514 | 20.355 |
| 295.203 | 15400.668 | 16899.910 | 10.048 |
| 11491.939 | 64.932 | 1.006 | 14.733 |
| 10/13/2016 8:00:00 PM | 79200.000 | 129.523 | 20.363 |
| 295.222 | 15400.965 | 16897.668 | 10.047 |
| 11490.415 | 64.931 | 1.006 | 14.739 |
| 10/13/2016 8:15:00 PM | 80100.000 | 129.526 | 20.363 |
| 295.230 | 15398.071 | 16894.402 | 10.044 |
| 11488.193 | 64.943 | 1.006 | 14.733 |
| 10/13/2016 8:30:00 PM | 81000.000 | 129.543 | 20.358 |
| 295.268 | 15397.373 | 16895.182 | 10.045 |
| 11488.724 | 64.946 | 1.006 | 14.738 |
| 10/13/2016 8:45:00 PM | 81900.000 | 129.549 | 20.366 |
| 295.281 | 15397.635 | 16892.936 | 10.044 |
| 11487.197 | 64.945 | 1.006 | 14.736 |
| 10/13/2016 9:00:00 PM | 82800.000 | 129.558 | 20.357 |
| 295.304 | 15398.417 | 16896.945 | 10.046 |
| 11489.924 | 64.942 | 1.006 | 14.735 |
| 10/13/2016 9:15:00 PM | 83700.000 | 129.566 | 20.357 |
| 295.321 | 15394.735 | 16892.752 | 10.043 |
| 11487.072 | 64.957 | 1.006 | 14.734 |
| 10/13/2016 9:30:00 PM | 84600.000 | 129.571 | 20.358 |
| 295.332 | 15396.260 | 16894.240 | 10.044 |
| 11488.084 | 64.951 | 1.006 | 14.743 |
| 10/13/2016 9:45:00 PM | 85500.000 | 129.576 | 20.362 |
| 295.343 | 15396.328 | 16892.646 | 10.043 |
| 11487.000 | 64.951 | 1.006 | 14.744 |
| 10/13/2016 10:00:00 PM | 86400.000 | 129.572 | 20.366 |

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|---|---|---|---|
| 295.335 | 15395.186 | 16890.248 | 10.042 |
| 11485.370 | 64.955 | 1.006 | 14.744 |
| 10/13/2016 10:15:00 PM | 87300.000 | 129.577 | 20.364 |
| 295.346 | 15392.726 | 16888.076 | 10.040 |
| 11483.893 | 64.966 | 1.006 | 14.742 |
| 10/13/2016 10:30:00 PM | 88200.000 | 129.595 | 20.354 |
| 295.387 | 15391.034 | 16889.926 | 10.041 |
| 11485.150 | 64.973 | 1.006 | 14.741 |
| 10/13/2016 10:45:00 PM | 89100.000 | 129.592 | 20.355 |
| 295.380 | 15395.482 | 16894.406 | 10.044 |
| 11488.196 | 64.954 | 1.006 | 14.740 |
| 10/13/2016 11:00:00 PM | 90000.000 | 129.625 | 20.355 |
| 295.456 | 15393.136 | 16891.920 | 10.043 |
| 11486.507 | 64.964 | 1.006 | 14.743 |
| 10/13/2016 11:15:00 PM | 90900.000 | 129.591 | 20.355 |
| 295.377 | 15392.829 | 16891.340 | 10.042 |
| 11486.111 | 64.965 | 1.006 | 14.748 |
| 10/13/2016 11:30:00 PM | 91800.000 | 129.590 | 20.357 |
| 295.376 | 15393.979 | 16891.922 | 10.043 |
| 11486.508 | 64.960 | 1.006 | 14.741 |
| 10/13/2016 11:45:00 PM | 92700.000 | 129.587 | 20.365 |
| 295.369 | 15391.498 | 16886.604 | 10.039 |
| 11482.891 | 64.971 | 1.006 | 14.741 |
| 10/14/2016 12:00:00 AM | 93600.000 | 129.592 | 20.363 |
| 295.381 | 15391.478 | 16887.260 | 10.040 |
| 11483.338 | 64.971 | 1.006 | 14.739 |
| 10/14/2016 12:15:00 AM | 94500.000 | 129.592 | 20.366 |
| 295.380 | 15393.836 | 16888.643 | 10.041 |
| 11484.277 | 64.961 | 1.006 | 14.734 |
| 10/14/2016 12:30:00 AM | 95400.000 | 129.583 | 20.359 |
| 295.361 | 15392.662 | 16889.734 | 10.041 |
| 11485.020 | 64.966 | 1.006 | 14.737 |
| 10/14/2016 12:45:00 AM | 96300.000 | 129.589 | 20.361 |
| 295.373 | 15390.603 | 16886.949 | 10.040 |
| 11483.127 | 64.975 | 1.006 | 14.731 |
| 10/14/2016 1:00:00 AM | 97200.000 | 129.588 | 20.367 |
| 295.370 | 15394.095 | 16888.619 | 10.041 |
| 11484.262 | 64.960 | 1.006 | 14.731 |
| 10/14/2016 1:15:00 AM | 98100.000 | 129.585 | 20.359 |
| 295.364 | 15387.482 | 16884.051 | 10.038 |
| 11481.154 | 64.988 | 1.006 | 14.729 |
| 10/14/2016 1:30:00 AM | 99000.000 | 129.586 | 20.354 |
| 295.367 | 15386.781 | 16885.109 | 10.038 |
| 11481.874 | 64.991 | 1.006 | 14.725 |
| 10/14/2016 1:45:00 AM | 99900.000 | 129.573 | 20.362 |
| 295.337 | 15386.200 | 16881.535 | 10.036 |
| 11479.444 | 64.993 | 1.006 | 14.732 |
| 10/14/2016 2:00:00 AM | 100800.000 | 129.563 | 20.359 |
| 295.313 | 15385.496 | 16881.996 | 10.036 |
| 11479.758 | 64.996 | 1.006 | 14.733 |
| 10/14/2016 2:15:00 AM | 101700.000 | 129.565 | 20.360 |
| 295.318 | 15389.887 | 16886.535 | 10.039 |
| 11482.845 | 64.978 | 1.006 | 14.730 |
| 10/14/2016 2:30:00 AM | 102600.000 | 129.563 | 20.357 |
| 295.314 | 15380.616 | 16877.412 | 10.033 |

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|---|---|---|---|
| 11476.641 | 65.017 | 1.006 | 14.730 |
| 10/14/2016 2:45:00 AM | 103500.000 | 129.542 | 20.357 |
| 295.266 | 15380.858 | 16877.586 | 10.034 |
| 11476.759 | 65.016 | 1.006 | 14.732 |
| 10/14/2016 3:00:00 AM | 104400.000 | 129.538 | 20.359 |
| 295.256 | 15386.776 | 16883.338 | 10.037 |
| 11480.671 | 64.991 | 1.006 | 14.727 |
| 10/14/2016 3:15:00 AM | 105300.000 | 129.527 | 20.367 |
| 295.233 | 15386.729 | 16880.600 | 10.036 |
| 11478.809 | 64.991 | 1.006 | 14.732 |
| 10/14/2016 3:30:00 AM | 106200.000 | 129.517 | 20.358 |
| 295.209 | 15379.078 | 16875.295 | 10.032 |
| 11475.200 | 65.023 | 1.006 | 14.734 |
| 10/14/2016 3:45:00 AM | 107100.000 | 129.509 | 20.362 |
| 295.190 | 15378.778 | 16873.639 | 10.031 |
| 11474.074 | 65.025 | 1.006 | 14.733 |
| 10/14/2016 4:00:00 AM | 108000.000 | 129.500 | 20.362 |
| 295.170 | 15381.328 | 16876.344 | 10.033 |
| 11475.915 | 65.014 | 1.006 | 14.736 |
| 10/14/2016 4:15:00 AM | 108900.000 | 129.492 | 20.362 |
| 295.153 | 15379.819 | 16874.689 | 10.032 |
| 11474.790 | 65.020 | 1.006 | 14.736 |
| 10/14/2016 4:30:00 AM | 109800.000 | 129.486 | 20.375 |
| 295.139 | 15383.131 | 16873.844 | 10.031 |
| 11474.215 | 65.006 | 1.006 | 14.735 |
| 10/14/2016 4:45:00 AM | 110700.000 | 129.496 | 20.360 |
| 295.162 | 15380.673 | 16876.334 | 10.033 |
| 11475.907 | 65.017 | 1.006 | 14.725 |
| 10/14/2016 5:00:00 AM | 111600.000 | 129.485 | 20.369 |
| 295.137 | 15378.031 | 16870.254 | 10.029 |
| 11471.773 | 65.028 | 1.006 | 14.731 |
| 10/14/2016 5:15:00 AM | 112500.000 | 129.487 | 20.365 |
| 295.141 | 15374.571 | 16867.818 | 10.027 |
| 11470.116 | 65.042 | 1.006 | 14.724 |
| 10/14/2016 5:30:00 AM | 113400.000 | 129.486 | 20.362 |
| 295.139 | 15377.246 | 16872.018 | 10.030 |
| 11472.972 | 65.031 | 1.006 | 14.726 |
| 10/14/2016 5:45:00 AM | 114300.000 | 129.492 | 20.360 |
| 295.152 | 15376.098 | 16871.252 | 10.030 |
| 11472.452 | 65.036 | 1.006 | 14.721 |
| 10/14/2016 6:00:00 AM | 115200.000 | 129.483 | 20.363 |
| 295.132 | 15378.232 | 16872.666 | 10.030 |
| 11473.413 | 65.027 | 1.006 | 14.726 |
| 10/14/2016 6:15:00 AM | 116100.000 | 129.483 | 20.363 |
| 295.132 | 15377.916 | 16872.318 | 10.030 |
| 11473.177 | 65.028 | 1.006 | 14.722 |
| 10/14/2016 6:30:00 AM | 117000.000 | 129.491 | 20.360 |
| 295.150 | 15372.636 | 16867.482 | 10.027 |
| 11469.889 | 65.051 | 1.006 | 14.728 |
| 10/14/2016 6:45:00 AM | 117900.000 | 129.479 | 20.368 |
| 295.122 | 15373.317 | 16865.518 | 10.026 |
| 11468.553 | 65.048 | 1.006 | 14.726 |
| 10/14/2016 7:00:00 AM | 118800.000 | 129.493 | 20.365 |
| 295.155 | 15374.134 | 16867.553 | 10.027 |
| 11469.937 | 65.044 | 1.006 | 14.723 |

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|---|---|---|---|
| 10/14/2016 7:15:00 AM | 119700.000 | 129.484 | 20.360 |
| 295.134 | 15371.934 | 16866.590 | 10.027 |
| 11469.282 | 65.054 | 1.006 | 14.727 |
| 10/14/2016 7:30:00 AM | 120600.000 | 129.500 | 20.359 |
| 295.170 | 15375.726 | 16871.273 | 10.030 |
| 11472.467 | 65.038 | 1.006 | 14.725 |
| 10/14/2016 7:45:00 AM | 121500.000 | 129.542 | 20.367 |
| 295.267 | 15372.083 | 16864.441 | 10.025 |
| 11467.821 | 65.053 | 1.006 | 14.723 |
| 10/14/2016 8:00:00 AM | 122400.000 | 129.516 | 20.363 |
| 295.207 | 15374.060 | 16868.057 | 10.027 |
| 11470.278 | 65.045 | 1.006 | 14.726 |
| 10/14/2016 8:15:00 AM | 123300.000 | 129.518 | 20.366 |
| 295.213 | 15375.158 | 16868.275 | 10.028 |
| 11470.429 | 65.040 | 1.006 | 14.735 |
| 10/14/2016 8:30:00 AM | 124200.000 | 129.528 | 20.358 |
| 295.235 | 15369.082 | 16864.139 | 10.025 |
| 11467.615 | 65.066 | 1.006 | 14.729 |
| 10/14/2016 8:45:00 AM | 125100.000 | 129.546 | 20.356 |
| 295.276 | 15369.170 | 16865.189 | 10.026 |
| 11468.329 | 65.065 | 1.006 | 14.733 |
| 10/14/2016 9:00:00 AM | 126000.000 | 129.562 | 20.354 |
| 295.311 | 15371.688 | 16868.547 | 10.028 |
| 11470.612 | 65.055 | 1.006 | 14.734 |
| 10/14/2016 9:15:00 AM | 126900.000 | 129.563 | 20.361 |
| 295.315 | 15372.695 | 16867.117 | 10.027 |
| 11469.640 | 65.050 | 1.006 | 14.741 |
| 10/14/2016 9:30:00 AM | 127800.000 | 129.569 | 20.362 |
| 295.327 | 15376.606 | 16871.096 | 10.029 |
| 11472.346 | 65.034 | 1.006 | 14.736 |
| 10/14/2016 9:45:00 AM | 128700.000 | 129.578 | 20.362 |
| 295.348 | 15376.335 | 16870.711 | 10.029 |
| 11472.085 | 65.035 | 1.006 | 14.743 |
| 10/14/2016 10:00:00 AM | 129600.000 | 129.589 | 20.363 |
| 295.373 | 15378.067 | 16872.238 | 10.030 |
| 11473.123 | 65.028 | 1.006 | 14.736 |
| 10/14/2016 10:15:00 AM | 130500.000 | 129.597 | 20.366 |
| 295.392 | 15375.809 | 16868.895 | 10.028 |
| 11470.849 | 65.037 | 1.006 | 14.734 |
| 10/14/2016 10:30:00 AM | 131400.000 | 129.622 | 20.354 |
| 295.448 | 15376.137 | 16873.299 | 10.031 |
| 11473.845 | 65.036 | 1.006 | 14.724 |
| 10/14/2016 10:45:00 AM | 132300.000 | 129.611 | 20.365 |
| 295.423 | 15381.229 | 16875.305 | 10.032 |
| 11475.207 | 65.014 | 1.006 | 14.734 |
| 10/14/2016 11:00:00 AM | 133200.000 | 129.616 | 20.356 |
| 295.435 | 15376.802 | 16873.535 | 10.031 |
| 11474.005 | 65.033 | 1.006 | 14.735 |
| 10/14/2016 11:15:00 AM | 134100.000 | 129.623 | 20.376 |
| 295.450 | 15383.837 | 16874.186 | 10.032 |
| 11474.447 | 65.003 | 1.006 | 14.733 |
| 10/14/2016 11:30:00 AM | 135000.000 | 129.637 | 20.360 |
| 295.483 | 15379.657 | 16875.031 | 10.032 |
| 11475.022 | 65.021 | 1.006 | 14.731 |
| 10/14/2016 11:45:00 AM | 135900.000 | 129.637 | 20.361 |

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|---|---|---|---|
| 295.482 | 15382.777 | 16878.396 | 10.034 |
| 11477.311 | 65.008 | 1.006 | 14.730 |
| 10/14/2016 12:00:00 PM | 136800.000 | 129.649 | 20.360 |
| 295.511 | 15381.415 | 16877.270 | 10.033 |
| 11476.543 | 65.014 | 1.006 | 14.729 |
| 10/14/2016 12:15:00 PM | 137700.000 | 129.654 | 20.359 |
| 295.522 | 15378.974 | 16874.746 | 10.032 |
| 11474.828 | 65.024 | 1.006 | 14.728 |
| 10/14/2016 12:30:00 PM | 138600.000 | 129.655 | 20.358 |
| 295.524 | 15385.039 | 16881.986 | 10.036 |
| 11479.752 | 64.998 | 1.006 | 14.721 |
| 10/14/2016 12:45:00 PM | 139500.000 | 129.645 | 20.357 |
| 295.501 | 15381.801 | 16878.682 | 10.034 |
| 11477.505 | 65.012 | 1.006 | 14.727 |
| 10/14/2016 1:00:00 PM | 140400.000 | 129.648 | 20.353 |
| 295.509 | 15380.091 | 16878.316 | 10.034 |
| 11477.256 | 65.019 | 1.006 | 14.725 |
| 10/14/2016 1:15:00 PM | 141300.000 | 129.644 | 20.351 |
| 295.498 | 15378.754 | 16877.436 | 10.033 |
| 11476.657 | 65.025 | 1.006 | 14.716 |
| 10/14/2016 1:30:00 PM | 142200.000 | 129.656 | 20.359 |
| 295.527 | 15382.208 | 16878.262 | 10.034 |
| 11477.219 | 65.010 | 1.006 | 14.716 |
| 10/14/2016 1:45:00 PM | 143100.000 | 129.653 | 20.363 |
| 295.520 | 15388.886 | 16884.203 | 10.038 |
| 11481.259 | 64.982 | 1.006 | 14.708 |
| 10/14/2016 2:00:00 PM | 144000.000 | 129.644 | 20.361 |
| 295.499 | 15382.666 | 16878.150 | 10.034 |
| 11477.144 | 65.008 | 1.006 | 14.709 |
| 10/14/2016 2:15:00 PM | 144900.000 | 129.641 | 20.352 |
| 295.493 | 15373.586 | 16871.303 | 10.029 |
| 11472.486 | 65.047 | 1.006 | 14.710 |
| 10/14/2016 2:30:00 PM | 145800.000 | 129.638 | 20.355 |
| 295.484 | 15379.368 | 16876.568 | 10.033 |
| 11476.066 | 65.022 | 1.006 | 14.708 |
| 10/14/2016 2:45:00 PM | 146700.000 | 129.631 | 20.366 |
| 295.469 | 15381.170 | 16874.688 | 10.032 |
| 11474.789 | 65.015 | 1.006 | 14.705 |
| 10/14/2016 3:00:00 PM | 147600.000 | 129.635 | 20.357 |
| 295.478 | 15375.873 | 16871.963 | 10.030 |
| 11472.935 | 65.037 | 1.006 | 14.703 |
| 10/14/2016 3:15:00 PM | 148500.000 | 129.618 | 20.356 |
| 295.440 | 15375.475 | 16871.988 | 10.030 |
| 11472.953 | 65.039 | 1.006 | 14.703 |
| 10/14/2016 3:30:00 PM | 149400.000 | 129.624 | 20.357 |
| 295.453 | 15372.164 | 16868.047 | 10.027 |
| 11470.273 | 65.053 | 1.006 | 14.697 |
| 10/14/2016 3:45:00 PM | 150300.000 | 129.619 | 20.364 |
| 295.442 | 15374.808 | 16868.326 | 10.028 |
| 11470.463 | 65.041 | 1.006 | 14.696 |
| 10/14/2016 4:00:00 PM | 151200.000 | 129.604 | 20.354 |
| 295.408 | 15379.673 | 16877.396 | 10.033 |
| 11476.630 | 65.021 | 1.006 | 14.704 |
| 10/14/2016 4:15:00 PM | 152100.000 | 129.607 | 20.356 |
| 295.414 | 15372.280 | 16868.359 | 10.028 |

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|---|---|---|---|
| 11470.484 | 65.052 | 1.006 | 14.700 |
| 10/14/2016 4:30:00 PM | 153000.000 | 129.594 | 20.361 |
| 295.385 | 15373.207 | 16867.713 | 10.027 |
| 11470.045 | 65.048 | 1.006 | 14.697 |
| 10/14/2016 4:45:00 PM | 153900.000 | 129.589 | 20.365 |
| 295.374 | 15379.413 | 16873.004 | 10.031 |
| 11473.644 | 65.022 | 1.006 | 14.696 |
| 10/14/2016 5:00:00 PM | 154800.000 | 129.594 | 20.351 |
| 295.384 | 15367.615 | 16865.336 | 10.026 |
| 11468.430 | 65.072 | 1.006 | 14.694 |
| 10/14/2016 5:15:00 PM | 155700.000 | 129.587 | 20.363 |
| 295.368 | 15373.479 | 16867.512 | 10.027 |
| 11469.909 | 65.047 | 1.006 | 14.694 |
| 10/14/2016 5:30:00 PM | 156600.000 | 129.593 | 20.356 |
| 295.382 | 15370.069 | 16865.963 | 10.026 |
| 11468.854 | 65.062 | 1.006 | 14.694 |
| 10/14/2016 5:45:00 PM | 157500.000 | 129.612 | 20.361 |
| 295.426 | 15365.371 | 16859.328 | 10.022 |
| 11464.343 | 65.081 | 1.006 | 14.696 |
| 10/14/2016 6:00:00 PM | 158400.000 | 129.584 | 20.357 |
| 295.361 | 15367.111 | 16862.469 | 10.024 |
| 11466.479 | 65.074 | 1.006 | 14.693 |
| 10/14/2016 6:15:00 PM | 159300.000 | 129.578 | 20.354 |
| 295.347 | 15366.720 | 16863.061 | 10.024 |
| 11466.882 | 65.076 | 1.006 | 14.699 |
| 10/14/2016 6:30:00 PM | 160200.000 | 129.583 | 20.354 |
| 295.359 | 15363.445 | 16859.529 | 10.022 |
| 11464.481 | 65.090 | 1.006 | 14.696 |
| 10/14/2016 6:45:00 PM | 161100.000 | 129.596 | 20.360 |
| 295.388 | 15362.435 | 16856.354 | 10.020 |
| 11462.321 | 65.094 | 1.006 | 14.695 |
| 10/14/2016 7:00:00 PM | 162000.000 | 129.581 | 20.363 |
| 295.354 | 15360.452 | 16853.158 | 10.018 |
| 11460.147 | 65.102 | 1.006 | 14.697 |
| 10/14/2016 7:15:00 PM | 162900.000 | 129.587 | 20.365 |
| 295.368 | 15369.517 | 16862.207 | 10.024 |
| 11466.301 | 65.064 | 1.006 | 14.699 |
| 10/14/2016 7:30:00 PM | 163800.000 | 129.586 | 20.357 |
| 295.366 | 15359.332 | 16853.873 | 10.018 |
| 11460.634 | 65.107 | 1.006 | 14.709 |
| 10/14/2016 7:45:00 PM | 164700.000 | 129.608 | 20.360 |
| 295.417 | 15365.905 | 16860.191 | 10.022 |
| 11464.932 | 65.079 | 1.006 | 14.702 |
| 10/14/2016 8:00:00 PM | 165600.000 | 129.604 | 20.363 |
| 295.407 | 15370.500 | 16864.061 | 10.025 |
| 11467.562 | 65.060 | 1.006 | 14.705 |
| 10/14/2016 8:15:00 PM | 166500.000 | 129.602 | 20.361 |
| 295.402 | 15362.676 | 16856.092 | 10.020 |
| 11462.143 | 65.093 | 1.006 | 14.705 |
| 10/14/2016 8:30:00 PM | 167400.000 | 129.631 | 20.357 |
| 295.470 | 15358.673 | 16853.150 | 10.018 |
| 11460.144 | 65.110 | 1.006 | 14.699 |
| 10/14/2016 8:45:00 PM | 168300.000 | 129.631 | 20.354 |
| 295.468 | 15359.343 | 16855.088 | 10.019 |
| 11461.460 | 65.107 | 1.006 | 14.705 |

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|---|---|---|---|
| 10/14/2016 9:00:00 PM | 169200.000 | 129.630 | 20.358 |
| 295.466 | 15357.400 | 16851.539 | 10.017 |
| 11459.047 | 65.115 | 1.006 | 14.703 |
| 10/14/2016 9:15:00 PM | 170100.000 | 129.642 | 20.359 |
| 295.494 | 15361.004 | 16855.059 | 10.019 |
| 11461.441 | 65.100 | 1.006 | 14.707 |
| 10/14/2016 9:30:00 PM | 171000.000 | 129.661 | 20.355 |
| 295.538 | 15356.217 | 16851.193 | 10.017 |
| 11458.812 | 65.120 | 1.006 | 14.705 |
| 10/14/2016 9:45:00 PM | 171900.000 | 129.658 | 20.358 |
| 295.532 | 15362.014 | 16856.506 | 10.020 |
| 11462.424 | 65.096 | 1.006 | 14.709 |
| 10/14/2016 10:00:00 PM | 172800.000 | 129.677 | 20.360 |
| 295.574 | 15359.365 | 16852.922 | 10.018 |
| 11459.987 | 65.107 | 1.006 | 14.711 |
| 10/14/2016 10:15:00 PM | 173700.000 | 129.690 | 20.359 |
| 295.603 | 15363.155 | 16857.449 | 10.021 |
| 11463.066 | 65.091 | 1.006 | 14.703 |
| 10/14/2016 10:30:00 PM | 174600.000 | 129.682 | 20.364 |
| 295.586 | 15359.876 | 16852.006 | 10.017 |
| 11459.365 | 65.105 | 1.006 | 14.708 |
| 10/14/2016 10:45:00 PM | 175500.000 | 129.688 | 20.355 |
| 295.599 | 15358.080 | 16853.146 | 10.018 |
| 11460.141 | 65.112 | 1.006 | 14.714 |
| 10/14/2016 11:00:00 PM | 176400.000 | 129.697 | 20.361 |
| 295.619 | 15357.271 | 16850.227 | 10.016 |
| 11458.154 | 65.116 | 1.006 | 14.709 |
| 10/14/2016 11:15:00 PM | 177300.000 | 129.702 | 20.355 |
| 295.631 | 15355.329 | 16850.158 | 10.016 |
| 11458.108 | 65.124 | 1.006 | 14.710 |
| 10/14/2016 11:30:00 PM | 178200.000 | 129.709 | 20.363 |
| 295.646 | 15360.658 | 16853.137 | 10.018 |
| 11460.134 | 65.101 | 1.006 | 14.713 |
| 10/14/2016 11:45:00 PM | 179100.000 | 129.718 | 20.360 |
| 295.668 | 15354.895 | 16848.170 | 10.015 |
| 11456.757 | 65.126 | 1.006 | 14.713 |
| 10/15/2016 12:00:00 AM | 180000.000 | 129.718 | 20.357 |
| 295.668 | 15356.114 | 16850.402 | 10.016 |
| 11458.273 | 65.121 | 1.006 | 14.715 |
| 10/15/2016 12:15:00 AM | 180900.000 | 129.727 | 20.359 |
| 295.688 | 15354.806 | 16848.195 | 10.015 |
| 11456.772 | 65.126 | 1.006 | 14.708 |
| 10/15/2016 12:30:00 AM | 181800.000 | 129.727 | 20.366 |
| 295.687 | 15357.854 | 16849.043 | 10.015 |
| 11457.350 | 65.113 | 1.006 | 14.705 |
| 10/15/2016 12:45:00 AM | 182700.000 | 129.709 | 20.355 |
| 295.647 | 15359.604 | 16854.850 | 10.019 |
| 11461.298 | 65.106 | 1.006 | 14.710 |
| 10/15/2016 1:00:00 AM | 183600.000 | 129.731 | 20.363 |
| 295.697 | 15357.157 | 16849.574 | 10.016 |
| 11457.711 | 65.116 | 1.006 | 14.702 |
| 10/15/2016 1:15:00 AM | 184500.000 | 129.722 | 20.362 |
| 295.677 | 15357.999 | 16850.650 | 10.016 |
| 11458.442 | 65.113 | 1.006 | 14.708 |
| 10/15/2016 1:30:00 AM | 185400.000 | 129.715 | 20.366 |

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|---|---|---|---|
| 295.660 | 15358.679 | 16850.135 | 10.016 |
| 11458.093 | 65.110 | 1.006 | 14.709 |
| 10/15/2016 1:45:00 AM | 186300.000 | 129.717 | 20.356 |
| 295.665 | 15355.330 | 16849.852 | 10.016 |
| 11457.900 | 65.124 | 1.006 | 14.707 |
| 10/15/2016 2:00:00 AM | 187200.000 | 129.715 | 20.362 |
| 295.661 | 15356.990 | 16849.668 | 10.016 |
| 11457.775 | 65.117 | 1.006 | 14.706 |
| 10/15/2016 2:15:00 AM | 188100.000 | 129.710 | 20.358 |
| 295.649 | 15353.760 | 16847.385 | 10.014 |
| 11456.223 | 65.131 | 1.006 | 14.713 |
| 10/15/2016 2:30:00 AM | 189000.000 | 129.716 | 20.363 |
| 295.664 | 15354.617 | 16846.572 | 10.014 |
| 11455.669 | 65.127 | 1.006 | 14.711 |
| 10/15/2016 2:45:00 AM | 189900.000 | 129.711 | 20.356 |
| 295.652 | 15354.498 | 16848.848 | 10.015 |
| 11457.217 | 65.127 | 1.006 | 14.702 |
| 10/15/2016 3:00:00 AM | 190800.000 | 129.702 | 20.361 |
| 295.630 | 15355.865 | 16848.684 | 10.015 |
| 11457.104 | 65.122 | 1.006 | 14.706 |
| 10/15/2016 3:15:00 AM | 191700.000 | 129.699 | 20.354 |
| 295.624 | 15348.124 | 16842.746 | 10.011 |
| 11453.067 | 65.155 | 1.006 | 14.704 |
| 10/15/2016 3:30:00 AM | 192600.000 | 129.692 | 20.350 |
| 295.609 | 15344.405 | 16839.988 | 10.009 |
| 11451.192 | 65.170 | 1.006 | 14.707 |
| 10/15/2016 3:45:00 AM | 193500.000 | 129.687 | 20.357 |
| 295.596 | 15351.047 | 16844.936 | 10.013 |
| 11454.558 | 65.142 | 1.006 | 14.706 |
| 10/15/2016 4:00:00 AM | 194400.000 | 129.677 | 20.361 |
| 295.573 | 15346.585 | 16838.621 | 10.008 |
| 11450.263 | 65.161 | 1.006 | 14.704 |
| 10/15/2016 4:15:00 AM | 195300.000 | 129.669 | 20.360 |
| 295.555 | 15347.319 | 16839.674 | 10.009 |
| 11450.979 | 65.158 | 1.006 | 14.700 |
| 10/15/2016 4:30:00 AM | 196200.000 | 129.677 | 20.352 |
| 295.574 | 15337.080 | 16831.211 | 10.004 |
| 11445.224 | 65.201 | 1.006 | 14.693 |
| 10/15/2016 4:45:00 AM | 197100.000 | 129.676 | 20.357 |
| 295.571 | 15345.569 | 16838.711 | 10.009 |
| 11450.324 | 65.165 | 1.006 | 14.693 |
| 10/15/2016 5:00:00 AM | 198000.000 | 129.659 | 20.361 |
| 295.534 | 15342.221 | 16833.926 | 10.005 |
| 11447.070 | 65.180 | 1.006 | 14.697 |
| 10/15/2016 5:15:00 AM | 198900.000 | 129.653 | 20.349 |
| 295.520 | 15338.218 | 16833.660 | 10.005 |
| 11446.889 | 65.197 | 1.006 | 14.697 |
| 10/15/2016 5:30:00 AM | 199800.000 | 129.653 | 20.357 |
| 295.518 | 15341.281 | 16834.158 | 10.006 |
| 11447.229 | 65.184 | 1.006 | 14.701 |
| 10/15/2016 5:45:00 AM | 200700.000 | 129.661 | 20.362 |
| 295.537 | 15339.821 | 16830.707 | 10.003 |
| 11444.882 | 65.190 | 1.006 | 14.695 |
| 10/15/2016 6:00:00 AM | 201600.000 | 129.665 | 20.357 |
| 295.546 | 15338.321 | 16830.941 | 10.003 |

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|---|---|---|---|
| 11445.041 | 65.196 | 1.006 | 14.700 |
| 10/15/2016 6:15:00 AM | 202500.000 | 129.644 | 20.362 |
| 295.499 | 15334.258 | 16824.602 | 9.999 |
| 11440.730 | 65.213 | 1.006 | 14.708 |
| 10/15/2016 6:30:00 AM | 203400.000 | 129.637 | 20.359 |
| 295.482 | 15334.802 | 16826.463 | 10.001 |
| 11441.996 | 65.211 | 1.006 | 14.707 |
| 10/15/2016 6:45:00 AM | 204300.000 | 129.657 | 20.366 |
| 295.529 | 15337.070 | 16826.273 | 10.001 |
| 11441.867 | 65.201 | 1.006 | 14.701 |
| 10/15/2016 7:00:00 AM | 205200.000 | 129.659 | 20.356 |
| 295.532 | 15335.385 | 16828.027 | 10.002 |
| 11443.059 | 65.209 | 1.006 | 14.705 |
| 10/15/2016 7:15:00 AM | 206100.000 | 129.661 | 20.361 |
| 295.538 | 15337.344 | 16828.393 | 10.002 |
| 11443.307 | 65.200 | 1.006 | 14.706 |
| 10/15/2016 7:30:00 AM | 207000.000 | 129.668 | 20.356 |
| 295.554 | 15335.287 | 16827.949 | 10.002 |
| 11443.007 | 65.209 | 1.006 | 14.700 |
| 10/15/2016 7:45:00 AM | 207900.000 | 129.679 | 20.362 |
| 295.578 | 15335.119 | 16825.607 | 10.000 |
| 11441.414 | 65.210 | 1.006 | 14.702 |
| 10/15/2016 8:00:00 AM | 208800.000 | 129.685 | 20.356 |
| 295.592 | 15329.357 | 16821.352 | 9.997 |
| 11438.521 | 65.234 | 1.006 | 14.703 |
| 10/15/2016 8:15:00 AM | 209700.000 | 129.695 | 20.356 |
| 295.615 | 15332.947 | 16825.441 | 10.000 |
| 11441.301 | 65.219 | 1.006 | 14.702 |
| 10/15/2016 8:30:00 AM | 210600.000 | 129.708 | 20.355 |
| 295.643 | 15337.979 | 16831.393 | 10.004 |
| 11445.347 | 65.198 | 1.006 | 14.698 |
| 10/15/2016 8:45:00 AM | 211500.000 | 129.708 | 20.358 |
| 295.645 | 15334.329 | 16826.314 | 10.001 |
| 11441.895 | 65.213 | 1.006 | 14.697 |
| 10/15/2016 9:00:00 AM | 212400.000 | 129.716 | 20.362 |
| 295.662 | 15339.237 | 16830.283 | 10.003 |
| 11444.594 | 65.192 | 1.006 | 14.704 |
| 10/15/2016 9:15:00 AM | 213300.000 | 129.725 | 20.356 |
| 295.682 | 15334.003 | 16826.541 | 10.001 |
| 11442.048 | 65.215 | 1.006 | 14.704 |
| 10/15/2016 9:30:00 AM | 214200.000 | 129.760 | 20.361 |
| 295.763 | 15337.314 | 16828.420 | 10.002 |
| 11443.326 | 65.200 | 1.006 | 14.705 |
| 10/15/2016 9:45:00 AM | 215100.000 | 129.775 | 20.359 |
| 295.798 | 15334.104 | 16825.633 | 10.000 |
| 11441.431 | 65.214 | 1.006 | 14.711 |
| 10/15/2016 10:00:00 AM | 216000.000 | 129.756 | 20.362 |
| 295.753 | 15327.197 | 16817.104 | 9.995 |
| 11435.632 | 65.243 | 1.006 | 14.711 |
| 10/15/2016 10:15:00 AM | 216900.000 | 129.765 | 20.361 |
| 295.774 | 15331.469 | 16821.977 | 9.998 |
| 11438.944 | 65.225 | 1.006 | 14.711 |
| 10/15/2016 10:30:00 AM | 217800.000 | 129.780 | 20.359 |
| 295.808 | 15327.428 | 16818.246 | 9.995 |
| 11436.408 | 65.243 | 1.006 | 14.712 |

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|---|---|---|---|
| 10/15/2016 10:45:00 AM | 218700.000 | 129.800 | 20.362 |
| 295.854 | 15331.289 | 16821.533 | 9.997 |
| 11438.644 | 65.226 | 1.006 | 14.710 |
| 10/15/2016 11:00:00 AM | 219600.000 | 129.789 | 20.361 |
| 295.830 | 15336.302 | 16827.369 | 10.001 |
| 11442.611 | 65.205 | 1.006 | 14.709 |
| 10/15/2016 11:15:00 AM | 220500.000 | 129.808 | 20.357 |
| 295.872 | 15327.188 | 16818.816 | 9.996 |
| 11436.795 | 65.244 | 1.006 | 14.710 |
| 10/15/2016 11:30:00 AM | 221400.000 | 129.814 | 20.354 |
| 295.885 | 15330.556 | 16823.375 | 9.999 |
| 11439.896 | 65.229 | 1.006 | 14.703 |
| 10/15/2016 11:45:00 AM | 222300.000 | 129.820 | 20.353 |
| 295.899 | 15328.552 | 16821.697 | 9.997 |
| 11438.754 | 65.238 | 1.006 | 14.699 |
| 10/15/2016 12:00:00 PM | 223200.000 | 129.830 | 20.358 |
| 295.922 | 15334.733 | 16826.699 | 10.001 |
| 11442.156 | 65.211 | 1.006 | 14.698 |
| 10/15/2016 12:15:00 PM | 224100.000 | 129.829 | 20.367 |
| 295.921 | 15338.783 | 16827.813 | 10.002 |
| 11442.914 | 65.194 | 1.006 | 14.694 |
| 10/15/2016 12:30:00 PM | 225000.000 | 129.839 | 20.365 |
| 295.943 | 15337.483 | 16827.342 | 10.001 |
| 11442.594 | 65.200 | 1.006 | 14.693 |
| 10/15/2016 12:45:00 PM | 225900.000 | 129.836 | 20.366 |
| 295.937 | 15332.423 | 16821.236 | 9.997 |
| 11438.441 | 65.221 | 1.006 | 14.693 |
| 10/15/2016 1:00:00 PM | 226800.000 | 129.830 | 20.361 |
| 295.924 | 15333.146 | 16823.908 | 9.999 |
| 11440.258 | 65.218 | 1.006 | 14.689 |
| 10/15/2016 1:15:00 PM | 227700.000 | 129.838 | 20.355 |
| 295.941 | 15329.780 | 16822.213 | 9.998 |
| 11439.105 | 65.233 | 1.006 | 14.677 |
| 10/15/2016 1:30:00 PM | 228600.000 | 129.838 | 20.362 |
| 295.941 | 15334.399 | 16824.787 | 10.000 |
| 11440.856 | 65.213 | 1.006 | 14.677 |
| 10/15/2016 1:45:00 PM | 229500.000 | 129.845 | 20.366 |
| 295.956 | 15325.893 | 16814.072 | 9.993 |
| 11433.570 | 65.249 | 1.006 | 14.672 |
| 10/15/2016 2:00:00 PM | 230400.000 | 129.846 | 20.355 |
| 295.960 | 15326.287 | 16818.381 | 9.995 |
| 11436.500 | 65.247 | 1.006 | 14.670 |
| 10/15/2016 2:15:00 PM | 231300.000 | 129.870 | 20.363 |
| 296.013 | 15332.996 | 16822.787 | 9.998 |
| 11439.496 | 65.219 | 1.006 | 14.667 |
| 10/15/2016 2:30:00 PM | 232200.000 | 129.845 | 20.358 |
| 295.957 | 15317.532 | 16807.824 | 9.989 |
| 11429.321 | 65.285 | 1.006 | 14.659 |
| 10/15/2016 2:45:00 PM | 233100.000 | 129.845 | 20.364 |
| 295.958 | 15319.761 | 16808.207 | 9.989 |
| 11429.582 | 65.275 | 1.006 | 14.651 |
| 10/15/2016 3:00:00 PM | 234000.000 | 129.823 | 20.358 |
| 295.907 | 15324.016 | 16814.875 | 9.993 |
| 11434.115 | 65.257 | 1.006 | 14.659 |
| 10/15/2016 3:15:00 PM | 234900.000 | 129.825 | 20.358 |

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| 295.911 | 15321.329 | 16811.770 | 9.991 |
| 11432.003 | 65.268 | 1.006 | 14.664 |
| 10/15/2016 3:30:00 PM | 235800.000 | 129.820 | 20.346 |
| 295.900 | 15316.303 | 16810.561 | 9.990 |
| 11431.182 | 65.290 | 1.006 | 14.663 |
| 10/15/2016 3:45:00 PM | 236700.000 | 129.807 | 20.353 |
| 295.871 | 15315.515 | 16807.451 | 9.988 |
| 11429.067 | 65.293 | 1.006 | 14.660 |
| 10/15/2016 4:00:00 PM | 237600.000 | 129.805 | 20.353 |
| 295.865 | 15308.397 | 16799.580 | 9.983 |
| 11423.716 | 65.324 | 1.006 | 14.655 |
| 10/15/2016 4:15:00 PM | 238500.000 | 129.791 | 20.355 |
| 295.834 | 15314.579 | 16805.596 | 9.987 |
| 11427.806 | 65.297 | 1.006 | 14.659 |
| 10/15/2016 4:30:00 PM | 239400.000 | 129.782 | 20.362 |
| 295.814 | 15311.981 | 16800.131 | 9.984 |
| 11424.090 | 65.308 | 1.006 | 14.669 |
| 10/15/2016 4:45:00 PM | 240300.000 | 129.765 | 20.366 |
| 295.774 | 15315.471 | 16802.668 | 9.985 |
| 11425.814 | 65.293 | 1.006 | 14.674 |
| 10/15/2016 5:00:00 PM | 241200.000 | 129.758 | 20.360 |
| 295.758 | 15310.034 | 16798.672 | 9.983 |
| 11423.098 | 65.317 | 1.006 | 14.667 |
| 10/15/2016 5:15:00 PM | 242100.000 | 129.748 | 20.358 |
| 295.736 | 15311.028 | 16800.467 | 9.984 |
| 11424.318 | 65.312 | 1.006 | 14.668 |
| 10/15/2016 5:30:00 PM | 243000.000 | 129.748 | 20.354 |
| 295.735 | 15305.167 | 16795.697 | 9.981 |
| 11421.075 | 65.337 | 1.006 | 14.670 |
| 10/15/2016 5:45:00 PM | 243900.000 | 129.751 | 20.356 |
| 295.742 | 15301.838 | 16791.273 | 9.978 |
| 11418.067 | 65.352 | 1.006 | 14.668 |
| 10/15/2016 6:00:00 PM | 244800.000 | 129.755 | 20.358 |
| 295.752 | 15303.578 | 16792.449 | 9.979 |
| 11418.866 | 65.344 | 1.006 | 14.664 |
| 10/15/2016 6:15:00 PM | 245700.000 | 129.743 | 20.356 |
| 295.724 | 15302.354 | 16791.811 | 9.978 |
| 11418.433 | 65.349 | 1.006 | 14.659 |
| 10/15/2016 6:30:00 PM | 246600.000 | 129.732 | 20.366 |
| 295.700 | 15299.627 | 16785.439 | 9.974 |
| 11414.099 | 65.361 | 1.006 | 14.660 |
| 10/15/2016 6:45:00 PM | 247500.000 | 129.731 | 20.353 |
| 295.697 | 15292.069 | 16781.416 | 9.972 |
| 11411.363 | 65.393 | 1.006 | 14.663 |
| 10/15/2016 7:00:00 PM | 248400.000 | 129.730 | 20.362 |
| 295.695 | 15298.567 | 16785.473 | 9.974 |
| 11414.122 | 65.366 | 1.006 | 14.662 |
| 10/15/2016 7:15:00 PM | 249300.000 | 129.731 | 20.368 |
| 295.698 | 15297.462 | 16782.268 | 9.972 |
| 11411.942 | 65.370 | 1.006 | 14.660 |
| 10/15/2016 7:30:00 PM | 250200.000 | 129.732 | 20.352 |
| 295.700 | 15293.640 | 16783.477 | 9.973 |
| 11412.766 | 65.387 | 1.006 | 14.655 |
| 10/15/2016 7:45:00 PM | 251100.000 | 129.722 | 20.362 |
| 295.677 | 15298.428 | 16785.320 | 9.974 |

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| 11414.018 | 65.366 | 1.006 | 14.662 |
| 10/15/2016 8:00:00 PM | 252000.000 | 129.732 | 20.357 |
| 295.700 | 15295.747 | 16784.131 | 9.973 |
| 11413.210 | 65.378 | 1.006 | 14.667 |
| 10/15/2016 8:15:00 PM | 252900.000 | 129.734 | 20.359 |
| 295.703 | 15295.804 | 16783.672 | 9.973 |
| 11412.898 | 65.377 | 1.006 | 14.666 |
| 10/15/2016 8:30:00 PM | 253800.000 | 129.739 | 20.361 |
| 295.716 | 15296.322 | 16783.441 | 9.973 |
| 11412.740 | 65.375 | 1.006 | 14.670 |
| 10/15/2016 8:45:00 PM | 254700.000 | 129.749 | 20.359 |
| 295.738 | 15294.722 | 16782.422 | 9.972 |
| 11412.048 | 65.382 | 1.006 | 14.663 |
| 10/15/2016 9:00:00 PM | 255600.000 | 129.740 | 20.361 |
| 295.716 | 15293.456 | 16780.143 | 9.971 |
| 11410.498 | 65.387 | 1.006 | 14.672 |
| 10/15/2016 9:15:00 PM | 256500.000 | 129.752 | 20.364 |
| 295.746 | 15293.559 | 16779.246 | 9.970 |
| 11409.889 | 65.387 | 1.006 | 14.670 |
| 10/15/2016 9:30:00 PM | 257400.000 | 129.768 | 20.362 |
| 295.782 | 15298.031 | 16784.797 | 9.974 |
| 11413.663 | 65.368 | 1.006 | 14.664 |
| 10/15/2016 9:45:00 PM | 258300.000 | 129.772 | 20.360 |
| 295.791 | 15293.079 | 16780.189 | 9.971 |
| 11410.530 | 65.389 | 1.006 | 14.669 |
| 10/15/2016 10:00:00 PM | 259200.000 | 129.774 | 20.360 |
| 295.794 | 15290.308 | 16777.119 | 9.969 |
| 11408.441 | 65.401 | 1.006 | 14.679 |
| 10/15/2016 10:15:00 PM | 260100.000 | 129.823 | 20.355 |
| 295.906 | 15288.389 | 16776.762 | 9.969 |
| 11408.198 | 65.409 | 1.006 | 14.672 |
| 10/15/2016 10:30:00 PM | 261000.000 | 129.798 | 20.366 |
| 295.850 | 15289.411 | 16774.230 | 9.967 |
| 11406.477 | 65.405 | 1.006 | 14.669 |
| 10/15/2016 10:45:00 PM | 261900.000 | 129.812 | 20.363 |
| 295.881 | 15290.158 | 16775.850 | 9.968 |
| 11407.578 | 65.402 | 1.006 | 14.672 |
| 10/15/2016 11:00:00 PM | 262800.000 | 129.806 | 20.356 |
| 295.868 | 15292.506 | 16780.975 | 9.971 |
| 11411.063 | 65.392 | 1.006 | 14.670 |
| 10/15/2016 11:15:00 PM | 263700.000 | 129.840 | 20.360 |
| 295.945 | 15292.166 | 16779.219 | 9.970 |
| 11409.870 | 65.393 | 1.006 | 14.671 |
| 10/15/2016 11:30:00 PM | 264600.000 | 129.842 | 20.364 |
| 295.951 | 15295.842 | 16781.900 | 9.972 |
| 11411.692 | 65.377 | 1.006 | 14.675 |
| 10/15/2016 11:45:00 PM | 265500.000 | 129.845 | 20.362 |
| 295.956 | 15291.363 | 16777.480 | 9.969 |
| 11408.687 | 65.396 | 1.006 | 14.677 |
| 10/16/2016 12:00:00 AM | 266400.000 | 129.844 | 20.358 |
| 295.954 | 15288.301 | 16775.807 | 9.968 |
| 11407.549 | 65.409 | 1.006 | 14.678 |
| 10/16/2016 12:15:00 AM | 267300.000 | 129.852 | 20.359 |
| 295.973 | 15288.760 | 16775.943 | 9.968 |
| 11407.643 | 65.408 | 1.006 | 14.677 |

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|---|---|---|---|
| 10/16/2016 12:30:00 AM | 268200.000 | 129.857 | 20.362 |
| 295.983 | 15294.975 | 16781.443 | 9.972 |
| 11411.383 | 65.381 | 1.006 | 14.681 |
| 10/16/2016 12:45:00 AM | 269100.000 | 129.854 | 20.363 |
| 295.977 | 15291.295 | 16777.096 | 9.969 |
| 11408.426 | 65.397 | 1.006 | 14.684 |
| 10/16/2016 1:00:00 AM | 270000.000 | 129.870 | 20.362 |
| 296.013 | 15295.692 | 16782.535 | 9.972 |
| 11412.125 | 65.378 | 1.006 | 14.683 |
| 10/16/2016 1:15:00 AM | 270900.000 | 129.867 | 20.360 |
| 296.006 | 15293.478 | 16780.811 | 9.971 |
| 11410.951 | 65.387 | 1.006 | 14.680 |
| 10/16/2016 1:30:00 AM | 271800.000 | 129.871 | 20.358 |
| 296.017 | 15295.206 | 16783.354 | 9.973 |
| 11412.682 | 65.380 | 1.006 | 14.682 |
| 10/16/2016 1:45:00 AM | 272700.000 | 129.869 | 20.363 |
| 296.011 | 15293.309 | 16779.244 | 9.970 |
| 11409.887 | 65.388 | 1.006 | 14.682 |
| 10/16/2016 2:00:00 AM | 273600.000 | 129.872 | 20.356 |
| 296.017 | 15292.162 | 16780.750 | 9.971 |
| 11410.910 | 65.393 | 1.006 | 14.686 |
| 10/16/2016 2:15:00 AM | 274500.000 | 129.874 | 20.362 |
| 296.024 | 15290.023 | 16776.068 | 9.968 |
| 11407.728 | 65.402 | 1.006 | 14.684 |
| 10/16/2016 2:30:00 AM | 275400.000 | 129.867 | 20.362 |
| 296.008 | 15289.050 | 16775.219 | 9.968 |
| 11407.149 | 65.406 | 1.006 | 14.682 |
| 10/16/2016 2:45:00 AM | 276300.000 | 129.870 | 20.354 |
| 296.015 | 15290.522 | 16779.535 | 9.970 |
| 11410.085 | 65.400 | 1.006 | 14.684 |
| 10/16/2016 3:00:00 AM | 277200.000 | 129.878 | 20.365 |
| 296.033 | 15296.249 | 16782.012 | 9.972 |
| 11411.769 | 65.376 | 1.006 | 14.678 |
| 10/16/2016 3:15:00 AM | 278100.000 | 129.871 | 20.364 |
| 296.017 | 15290.802 | 16776.465 | 9.968 |
| 11407.996 | 65.399 | 1.006 | 14.681 |
| 10/16/2016 3:30:00 AM | 279000.000 | 129.874 | 20.356 |
| 296.023 | 15285.552 | 16773.496 | 9.966 |
| 11405.979 | 65.421 | 1.006 | 14.673 |
| 10/16/2016 3:45:00 AM | 279900.000 | 129.860 | 20.361 |
| 295.990 | 15292.022 | 16778.541 | 9.970 |
| 11409.408 | 65.394 | 1.006 | 14.673 |
| 10/16/2016 4:00:00 AM | 280800.000 | 129.863 | 20.360 |
| 295.997 | 15286.803 | 16773.148 | 9.966 |
| 11405.741 | 65.416 | 1.006 | 14.674 |
| 10/16/2016 4:15:00 AM | 281700.000 | 129.862 | 20.354 |
| 295.996 | 15284.167 | 16772.471 | 9.966 |
| 11405.281 | 65.427 | 1.006 | 14.674 |
| 10/16/2016 4:30:00 AM | 282600.000 | 129.849 | 20.364 |
| 295.966 | 15280.451 | 16764.924 | 9.961 |
| 11400.149 | 65.443 | 1.006 | 14.668 |
| 10/16/2016 4:45:00 AM | 283500.000 | 129.857 | 20.365 |
| 295.985 | 15286.766 | 16771.516 | 9.965 |
| 11404.632 | 65.416 | 1.006 | 14.672 |
| 10/16/2016 5:00:00 AM | 284400.000 | 129.840 | 20.352 |

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| 295.947 | 15276.689 | 16764.877 | 9.961 |
| 11400.117 | 65.459 | 1.006 | 14.672 |
| 10/16/2016 5:15:00 AM | 285300.000 | 129.847 | 20.371 |
| 295.961 | 15288.528 | 16771.455 | 9.965 |
| 11404.591 | 65.409 | 1.006 | 14.673 |
| 10/16/2016 5:30:00 AM | 286200.000 | 129.843 | 20.363 |
| 295.952 | 15283.313 | 16768.523 | 9.963 |
| 11402.597 | 65.431 | 1.006 | 14.669 |
| 10/16/2016 5:45:00 AM | 287100.000 | 129.840 | 20.362 |
| 295.946 | 15279.851 | 16764.908 | 9.961 |
| 11400.138 | 65.446 | 1.006 | 14.677 |
| 10/16/2016 6:00:00 AM | 288000.000 | 129.835 | 20.356 |
| 295.935 | 15279.479 | 16766.650 | 9.962 |
| 11401.322 | 65.447 | 1.006 | 14.669 |
| 10/16/2016 6:15:00 AM | 288900.000 | 129.831 | 20.361 |
| 295.926 | 15276.297 | 16761.500 | 9.959 |
| 11397.820 | 65.461 | 1.006 | 14.668 |
| 10/16/2016 6:30:00 AM | 289800.000 | 129.835 | 20.354 |
| 295.935 | 15277.723 | 16765.301 | 9.961 |
| 11400.405 | 65.455 | 1.006 | 14.668 |
| 10/16/2016 6:45:00 AM | 290700.000 | 129.828 | 20.361 |
| 295.919 | 15278.929 | 16764.299 | 9.961 |
| 11399.724 | 65.450 | 1.006 | 14.675 |
| 10/16/2016 7:00:00 AM | 291600.000 | 129.831 | 20.366 |
| 295.926 | 15281.474 | 16765.371 | 9.961 |
| 11400.452 | 65.439 | 1.006 | 14.667 |
| 10/16/2016 7:15:00 AM | 292500.000 | 129.832 | 20.359 |
| 295.927 | 15273.463 | 16759.127 | 9.957 |
| 11396.207 | 65.473 | 1.006 | 14.671 |
| 10/16/2016 7:30:00 AM | 293400.000 | 129.847 | 20.355 |
| 295.962 | 15274.473 | 16761.703 | 9.959 |
| 11397.959 | 65.469 | 1.006 | 14.669 |
| 10/16/2016 7:45:00 AM | 294300.000 | 129.854 | 20.364 |
| 295.976 | 15277.658 | 16761.859 | 9.959 |
| 11398.064 | 65.455 | 1.006 | 14.666 |
| 10/16/2016 8:00:00 AM | 295200.000 | 129.851 | 20.361 |
| 295.971 | 15273.720 | 16758.520 | 9.957 |
| 11395.794 | 65.472 | 1.006 | 14.662 |
| 10/16/2016 8:15:00 AM | 296100.000 | 129.871 | 20.359 |
| 296.016 | 15280.291 | 16766.375 | 9.962 |
| 11401.136 | 65.444 | 1.006 | 14.661 |
| 10/16/2016 8:30:00 AM | 297000.000 | 129.863 | 20.365 |
| 295.999 | 15277.098 | 16760.971 | 9.958 |
| 11397.461 | 65.457 | 1.006 | 14.667 |
| 10/16/2016 8:45:00 AM | 297900.000 | 129.874 | 20.370 |
| 296.023 | 15279.801 | 16762.092 | 9.959 |
| 11398.223 | 65.446 | 1.006 | 14.668 |
| 10/16/2016 9:00:00 AM | 298800.000 | 129.882 | 20.359 |
| 296.040 | 15279.719 | 16765.959 | 9.962 |
| 11400.854 | 65.446 | 1.006 | 14.662 |
| 10/16/2016 9:15:00 AM | 299700.000 | 129.908 | 20.365 |
| 296.101 | 15280.803 | 16764.848 | 9.961 |
| 11400.097 | 65.442 | 1.006 | 14.661 |
| 10/16/2016 9:30:00 AM | 300600.000 | 129.904 | 20.365 |
| 296.091 | 15278.762 | 16762.703 | 9.960 |

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| 11398.640 | 65.450 | 1.006 | 14.664 |
| 10/16/2016 9:45:00 AM | 301500.000 | 129.923 | 20.375 |
| 296.136 | 15287.140 | 16768.246 | 9.963 |
| 11402.407 | 65.414 | 1.006 | 14.663 |
| 10/16/2016 10:00:00 AM | 302400.000 | 129.917 | 20.368 |
| 296.121 | 15286.229 | 16769.822 | 9.964 |
| 11403.479 | 65.418 | 1.006 | 14.664 |
| 10/16/2016 10:15:00 AM | 303300.000 | 129.939 | 20.362 |
| 296.170 | 15283.974 | 16769.527 | 9.964 |
| 11403.279 | 65.428 | 1.006 | 14.665 |
| 10/16/2016 10:30:00 AM | 304200.000 | 129.957 | 20.360 |
| 296.213 | 15283.138 | 16769.375 | 9.964 |
| 11403.176 | 65.432 | 1.006 | 14.660 |
| 10/16/2016 10:45:00 AM | 305100.000 | 129.974 | 20.369 |
| 296.250 | 15289.162 | 16772.705 | 9.966 |
| 11405.440 | 65.406 | 1.006 | 14.659 |
| 10/16/2016 11:00:00 AM | 306000.000 | 129.979 | 20.363 |
| 296.263 | 15285.756 | 16771.053 | 9.965 |
| 11404.317 | 65.420 | 1.006 | 14.660 |
| 10/16/2016 11:15:00 AM | 306900.000 | 129.999 | 20.364 |
| 296.307 | 15287.183 | 16772.342 | 9.966 |
| 11405.193 | 65.414 | 1.006 | 14.658 |
| 10/16/2016 11:30:00 AM | 307800.000 | 129.993 | 20.373 |
| 296.295 | 15289.265 | 16771.373 | 9.965 |
| 11404.534 | 65.405 | 1.006 | 14.658 |
| 10/16/2016 11:45:00 AM | 308700.000 | 130.004 | 20.357 |
| 296.320 | 15286.914 | 16774.656 | 9.967 |
| 11406.767 | 65.415 | 1.006 | 14.659 |
| 10/16/2016 12:00:00 PM | 309600.000 | 130.010 | 20.355 |
| 296.334 | 15285.539 | 16773.758 | 9.967 |
| 11406.155 | 65.421 | 1.006 | 14.652 |
| 10/16/2016 12:15:00 PM | 310500.000 | 130.032 | 20.356 |
| 296.382 | 15284.032 | 16771.582 | 9.965 |
| 11404.677 | 65.428 | 1.006 | 14.647 |
| 10/16/2016 12:30:00 PM | 311400.000 | 130.030 | 20.358 |
| 296.378 | 15291.979 | 16779.785 | 9.971 |
| 11410.255 | 65.394 | 1.006 | 14.652 |
| 10/16/2016 12:45:00 PM | 312300.000 | 130.028 | 20.367 |
| 296.374 | 15292.545 | 16777.027 | 9.969 |
| 11408.380 | 65.391 | 1.006 | 14.653 |
| 10/16/2016 1:00:00 PM | 313200.000 | 130.037 | 20.363 |
| 296.396 | 15292.336 | 16778.393 | 9.970 |
| 11409.308 | 65.392 | 1.006 | 14.652 |
| 10/16/2016 1:15:00 PM | 314100.000 | 130.085 | 20.369 |
| 296.504 | 15294.637 | 16778.615 | 9.970 |
| 11409.458 | 65.382 | 1.006 | 14.645 |
| 10/16/2016 1:30:00 PM | 315000.000 | 130.038 | 20.371 |
| 296.396 | 15294.021 | 16777.203 | 9.969 |
| 11408.499 | 65.385 | 1.006 | 14.654 |
| 10/16/2016 1:45:00 PM | 315900.000 | 130.050 | 20.368 |
| 296.424 | 15294.687 | 16779.008 | 9.970 |
| 11409.727 | 65.382 | 1.006 | 14.641 |
| 10/16/2016 2:00:00 PM | 316800.000 | 130.053 | 20.363 |
| 296.430 | 15291.241 | 16777.191 | 9.969 |
| 11408.491 | 65.397 | 1.006 | 14.636 |

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|---|---|---|---|
| 10/16/2016 2:15:00 PM | 317700.000 | 130.056 | 20.363 |
| 296.438 | 15291.634 | 16777.713 | 9.969 |
| 11408.845 | 65.395 | 1.006 | 14.632 |
| 10/16/2016 2:30:00 PM | 318600.000 | 130.045 | 20.375 |
| 296.413 | 15296.114 | 16778.428 | 9.970 |
| 11409.331 | 65.376 | 1.006 | 14.630 |
| 10/16/2016 2:45:00 PM | 319500.000 | 130.040 | 20.365 |
| 296.402 | 15292.792 | 16778.031 | 9.969 |
| 11409.063 | 65.390 | 1.006 | 14.636 |
| 10/16/2016 3:00:00 PM | 320400.000 | 130.044 | 20.371 |
| 296.410 | 15295.396 | 16778.865 | 9.970 |
| 11409.630 | 65.379 | 1.006 | 14.631 |
| 10/16/2016 3:15:00 PM | 321300.000 | 130.031 | 20.360 |
| 296.382 | 15292.132 | 16779.150 | 9.970 |
| 11409.822 | 65.393 | 1.006 | 14.638 |
| 10/16/2016 3:30:00 PM | 322200.000 | 130.026 | 20.367 |
| 296.370 | 15294.474 | 16779.145 | 9.970 |
| 11409.818 | 65.383 | 1.006 | 14.633 |
| 10/16/2016 3:45:00 PM | 323100.000 | 130.015 | 20.366 |
| 296.344 | 15293.461 | 16778.492 | 9.970 |
| 11409.375 | 65.387 | 1.006 | 14.635 |
| 10/16/2016 4:00:00 PM | 324000.000 | 130.012 | 20.363 |
| 296.338 | 15293.016 | 16778.984 | 9.970 |
| 11409.711 | 65.389 | 1.006 | 14.631 |
| 10/16/2016 4:15:00 PM | 324900.000 | 129.998 | 20.365 |
| 296.306 | 15292.971 | 16778.262 | 9.970 |
| 11409.219 | 65.390 | 1.006 | 14.635 |
| 10/16/2016 4:30:00 PM | 325800.000 | 129.985 | 20.361 |
| 296.276 | 15288.918 | 16775.441 | 9.968 |
| 11407.300 | 65.407 | 1.006 | 14.639 |
| 10/16/2016 4:45:00 PM | 326700.000 | 129.989 | 20.365 |
| 296.285 | 15291.550 | 16776.826 | 9.969 |
| 11408.243 | 65.396 | 1.006 | 14.639 |
| 10/16/2016 5:00:00 PM | 327600.000 | 129.965 | 20.362 |
| 296.231 | 15286.801 | 16772.475 | 9.966 |
| 11405.284 | 65.416 | 1.006 | 14.639 |
| 10/16/2016 5:15:00 PM | 328500.000 | 129.966 | 20.364 |
| 296.233 | 15288.429 | 16773.555 | 9.967 |
| 11406.019 | 65.409 | 1.006 | 14.644 |
| 10/16/2016 5:30:00 PM | 329400.000 | 129.945 | 20.365 |
| 296.185 | 15288.986 | 16773.826 | 9.967 |
| 11406.202 | 65.407 | 1.006 | 14.652 |
| 10/16/2016 5:45:00 PM | 330300.000 | 129.938 | 20.353 |
| 296.168 | 15285.696 | 16774.574 | 9.967 |
| 11406.712 | 65.421 | 1.006 | 14.652 |
| 10/16/2016 6:00:00 PM | 331200.000 | 129.936 | 20.371 |
| 296.164 | 15284.481 | 16766.863 | 9.962 |
| 11401.468 | 65.426 | 1.006 | 14.649 |
| 10/16/2016 6:15:00 PM | 332100.000 | 129.931 | 20.366 |
| 296.153 | 15286.607 | 16770.943 | 9.965 |
| 11404.241 | 65.417 | 1.006 | 14.653 |
| 10/16/2016 6:30:00 PM | 333000.000 | 129.912 | 20.362 |
| 296.110 | 15285.950 | 16771.658 | 9.965 |
| 11404.728 | 65.420 | 1.006 | 14.652 |
| 10/16/2016 6:45:00 PM | 333900.000 | 129.913 | 20.366 |

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| 296.113 | 15281.639 | 16765.492 | 9.961 |
| 11400.535 | 65.438 | 1.006 | 14.654 |
| 10/16/2016 7:00:00 PM | 334800.000 | 129.895 | 20.362 |
| 296.072 | 15284.810 | 16770.473 | 9.965 |
| 11403.922 | 65.424 | 1.006 | 14.657 |
| 10/16/2016 7:15:00 PM | 335700.000 | 129.860 | 20.366 |
| 295.990 | 15277.634 | 16761.279 | 9.959 |
| 11397.671 | 65.455 | 1.006 | 14.651 |
| 10/16/2016 7:30:00 PM | 336600.000 | 129.890 | 20.353 |
| 296.060 | 15275.945 | 16763.936 | 9.960 |
| 11399.477 | 65.462 | 1.006 | 14.656 |
| 10/16/2016 7:45:00 PM | 337500.000 | 129.891 | 20.359 |
| 296.063 | 15280.444 | 16766.543 | 9.962 |
| 11401.250 | 65.443 | 1.006 | 14.665 |
| 10/16/2016 8:00:00 PM | 338400.000 | 129.899 | 20.357 |
| 296.081 | 15276.988 | 16763.576 | 9.960 |
| 11399.231 | 65.458 | 1.006 | 14.652 |
| 10/16/2016 8:15:00 PM | 339300.000 | 129.892 | 20.356 |
| 296.063 | 15279.943 | 16767.066 | 9.962 |
| 11401.605 | 65.445 | 1.006 | 14.650 |
| 10/16/2016 8:30:00 PM | 340200.000 | 129.889 | 20.365 |
| 296.058 | 15280.403 | 16764.410 | 9.961 |
| 11399.800 | 65.443 | 1.006 | 14.661 |
| 10/16/2016 8:45:00 PM | 341100.000 | 129.881 | 20.358 |
| 296.039 | 15284.763 | 16771.924 | 9.965 |
| 11404.909 | 65.425 | 1.006 | 14.659 |
| 10/16/2016 9:00:00 PM | 342000.000 | 129.897 | 20.366 |
| 296.075 | 15279.963 | 16763.865 | 9.960 |
| 11399.430 | 65.445 | 1.006 | 14.661 |
| 10/16/2016 9:15:00 PM | 342900.000 | 129.907 | 20.356 |
| 296.099 | 15274.034 | 16760.582 | 9.958 |
| 11397.196 | 65.471 | 1.006 | 14.658 |
| 10/16/2016 9:30:00 PM | 343800.000 | 129.916 | 20.356 |
| 296.119 | 15276.093 | 16763.023 | 9.960 |
| 11398.857 | 65.462 | 1.006 | 14.662 |
| 10/16/2016 9:45:00 PM | 344700.000 | 129.911 | 20.364 |
| 296.107 | 15282.763 | 16767.400 | 9.963 |
| 11401.833 | 65.433 | 1.006 | 14.667 |
| 10/16/2016 10:00:00 PM | 345600.000 | 129.912 | 20.370 |
| 296.108 | 15279.663 | 16761.977 | 9.959 |
| 11398.145 | 65.446 | 1.006 | 14.672 |
| 10/16/2016 10:15:00 PM | 346500.000 | 129.911 | 20.370 |
| 296.108 | 15276.103 | 16758.160 | 9.957 |
| 11395.550 | 65.462 | 1.006 | 14.672 |
| 10/16/2016 10:30:00 PM | 347400.000 | 129.937 | 20.365 |
| 296.166 | 15283.283 | 16767.695 | 9.963 |
| 11402.034 | 65.431 | 1.006 | 14.664 |
| 10/16/2016 10:45:00 PM | 348300.000 | 129.939 | 20.364 |
| 296.172 | 15281.396 | 16765.959 | 9.962 |
| 11400.854 | 65.439 | 1.006 | 14.674 |
| 10/16/2016 11:00:00 PM | 349200.000 | 129.945 | 20.359 |
| 296.185 | 15283.316 | 16769.752 | 9.964 |
| 11403.432 | 65.431 | 1.006 | 14.677 |
| 10/16/2016 11:15:00 PM | 350100.000 | 129.957 | 20.372 |
| 296.211 | 15281.135 | 16762.945 | 9.960 |

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| 11398.804 | 65.440 | 1.006 | 14.677 |
| 10/16/2016 11:30:00 PM | 351000.000 | 129.956 | 20.372 |
| 296.209 | 15286.985 | 16769.305 | 9.964 |
| 11403.128 | 65.415 | 1.006 | 14.682 |
| 10/16/2016 11:45:00 PM | 351900.000 | 129.968 | 20.367 |
| 296.237 | 15286.574 | 16770.660 | 9.965 |
| 11404.049 | 65.417 | 1.006 | 14.678 |
| 10/17/2016 12:00:00 AM | 352800.000 | 129.978 | 20.369 |
| 296.259 | 15287.630 | 16771.236 | 9.965 |
| 11404.440 | 65.412 | 1.006 | 14.680 |
| 10/17/2016 12:15:00 AM | 353700.000 | 129.997 | 20.358 |
| 296.303 | 15284.490 | 16771.377 | 9.965 |
| 11404.536 | 65.426 | 1.006 | 14.676 |
| 10/17/2016 12:30:00 AM | 354600.000 | 129.996 | 20.368 |
| 296.301 | 15283.421 | 16766.648 | 9.962 |
| 11401.321 | 65.430 | 1.006 | 14.687 |
| 10/17/2016 12:45:00 AM | 355500.000 | 130.001 | 20.367 |
| 296.312 | 15289.198 | 16773.539 | 9.967 |
| 11406.008 | 65.406 | 1.006 | 14.689 |
| 10/17/2016 1:00:00 AM | 356400.000 | 130.002 | 20.366 |
| 296.315 | 15287.487 | 16772.029 | 9.966 |
| 11404.980 | 65.413 | 1.006 | 14.700 |
| 10/17/2016 1:15:00 AM | 357300.000 | 130.004 | 20.362 |
| 296.318 | 15289.735 | 16775.971 | 9.968 |
| 11407.660 | 65.403 | 1.006 | 14.699 |
| 10/17/2016 1:30:00 AM | 358200.000 | 130.014 | 20.355 |
| 296.342 | 15287.834 | 16776.365 | 9.968 |
| 11407.930 | 65.411 | 1.006 | 14.701 |
| 10/17/2016 1:45:00 AM | 359100.000 | 130.023 | 20.364 |
| 296.361 | 15289.727 | 16775.070 | 9.968 |
| 11407.048 | 65.403 | 1.006 | 14.700 |
| 10/17/2016 2:00:00 AM | 360000.000 | 130.060 | 20.370 |
| 296.447 | 15296.895 | 16780.908 | 9.971 |
| 11411.019 | 65.373 | 1.006 | 14.707 |
| 10/17/2016 2:15:00 AM | 360900.000 | 130.031 | 20.368 |
| 296.381 | 15290.168 | 16774.297 | 9.967 |
| 11406.522 | 65.402 | 1.006 | 14.703 |
| 10/17/2016 2:30:00 AM | 361800.000 | 130.027 | 20.359 |
| 296.371 | 15295.263 | 16783.107 | 9.973 |
| 11412.513 | 65.380 | 1.006 | 14.709 |
| 10/17/2016 2:45:00 AM | 362700.000 | 130.027 | 20.359 |
| 296.373 | 15290.765 | 16777.959 | 9.969 |
| 11409.013 | 65.399 | 1.006 | 14.707 |
| 10/17/2016 3:00:00 AM | 363600.000 | 130.024 | 20.364 |
| 296.366 | 15292.150 | 16777.943 | 9.969 |
| 11409.002 | 65.393 | 1.006 | 14.709 |
| 10/17/2016 3:15:00 AM | 364500.000 | 130.027 | 20.358 |
| 296.371 | 15295.932 | 16783.932 | 9.973 |
| 11413.073 | 65.377 | 1.006 | 14.705 |
| 10/17/2016 3:30:00 AM | 365400.000 | 130.037 | 20.367 |
| 296.395 | 15297.589 | 16782.805 | 9.973 |
| 11412.308 | 65.370 | 1.006 | 14.710 |
| 10/17/2016 3:45:00 AM | 366300.000 | 130.023 | 20.356 |
| 296.363 | 15291.370 | 16779.576 | 9.970 |
| 11410.112 | 65.396 | 1.006 | 14.709 |

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| 10/17/2016 4:00:00 AM | 367200.000 | 130.023 | 20.358 |
| 296.362 | 15294.229 | 16782.004 | 9.972 |
| 11411.764 | 65.384 | 1.006 | 14.709 |
| 10/17/2016 4:15:00 AM | 368100.000 | 130.021 | 20.360 |
| 296.359 | 15293.402 | 16780.424 | 9.971 |
| 11410.689 | 65.388 | 1.006 | 14.714 |
| 10/17/2016 4:30:00 AM | 369000.000 | 130.017 | 20.359 |
| 296.349 | 15289.221 | 16776.449 | 9.968 |
| 11407.985 | 65.406 | 1.006 | 14.713 |
| 10/17/2016 4:45:00 AM | 369900.000 | 130.026 | 20.361 |
| 296.369 | 15291.888 | 16778.518 | 9.970 |
| 11409.393 | 65.394 | 1.006 | 14.708 |
| 10/17/2016 5:00:00 AM | 370800.000 | 130.004 | 20.364 |
| 296.320 | 15294.063 | 16780.041 | 9.971 |
| 11410.428 | 65.385 | 1.006 | 14.721 |
| 10/17/2016 5:15:00 AM | 371700.000 | 130.005 | 20.372 |
| 296.321 | 15296.905 | 16780.275 | 9.971 |
| 11410.587 | 65.373 | 1.006 | 14.716 |
| 10/17/2016 5:30:00 AM | 372600.000 | 129.994 | 20.367 |
| 296.297 | 15294.438 | 16779.164 | 9.970 |
| 11409.833 | 65.383 | 1.006 | 14.724 |
| 10/17/2016 5:45:00 AM | 373500.000 | 129.982 | 20.365 |
| 296.270 | 15294.508 | 16779.885 | 9.971 |
| 11410.322 | 65.383 | 1.006 | 14.729 |
| 10/17/2016 6:00:00 AM | 374400.000 | 130.001 | 20.358 |
| 296.313 | 15291.848 | 16779.391 | 9.970 |
| 11409.985 | 65.394 | 1.006 | 14.726 |
| 10/17/2016 6:15:00 AM | 375300.000 | 129.999 | 20.365 |
| 296.308 | 15291.524 | 16776.828 | 9.969 |
| 11408.244 | 65.396 | 1.006 | 14.728 |
| 10/17/2016 6:30:00 AM | 376200.000 | 129.999 | 20.368 |
| 296.308 | 15298.284 | 16783.139 | 9.973 |
| 11412.535 | 65.367 | 1.006 | 14.729 |
| 10/17/2016 6:45:00 AM | 377100.000 | 129.989 | 20.357 |
| 296.285 | 15297.614 | 16786.273 | 9.975 |
| 11414.666 | 65.370 | 1.006 | 14.737 |
| 10/17/2016 7:00:00 AM | 378000.000 | 129.994 | 20.360 |
| 296.296 | 15296.415 | 16784.002 | 9.973 |
| 11413.121 | 65.375 | 1.006 | 14.731 |
| 10/17/2016 7:15:00 AM | 378900.000 | 129.994 | 20.354 |
| 296.297 | 15287.810 | 16776.588 | 9.968 |
| 11408.081 | 65.412 | 1.006 | 14.740 |
| 10/17/2016 7:30:00 AM | 379800.000 | 129.985 | 20.359 |
| 296.276 | 15298.358 | 16786.443 | 9.975 |
| 11414.781 | 65.366 | 1.006 | 14.736 |
| 10/17/2016 7:45:00 AM | 380700.000 | 129.990 | 20.364 |
| 296.287 | 15293.141 | 16779.031 | 9.970 |
| 11409.741 | 65.389 | 1.006 | 14.740 |
| 10/17/2016 8:00:00 AM | 381600.000 | 129.986 | 20.367 |
| 296.279 | 15294.974 | 16779.664 | 9.971 |
| 11410.173 | 65.381 | 1.006 | 14.745 |
| 10/17/2016 8:15:00 AM | 382500.000 | 129.993 | 20.364 |
| 296.293 | 15298.185 | 16784.535 | 9.974 |
| 11413.484 | 65.367 | 1.006 | 14.748 |
| 10/17/2016 8:30:00 AM | 383400.000 | 130.003 | 20.355 |

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|---|---|---|---|
| 296.317 | 15291.921 | 16780.820 | 9.971 |
| 11410.958 | 65.394 | 1.006 | 14.750 |
| 10/17/2016 8:45:00 AM | 384300.000 | 129.995 | 20.364 |
| 296.298 | 15288.138 | 16773.541 | 9.967 |
| 11406.009 | 65.410 | 1.006 | 14.755 |
| 10/17/2016 9:00:00 AM | 385200.000 | 130.009 | 20.361 |
| 296.332 | 15288.098 | 16774.328 | 9.967 |
| 11406.544 | 65.410 | 1.006 | 14.757 |
| 10/17/2016 9:15:00 AM | 386100.000 | 130.009 | 20.365 |
| 296.330 | 15288.104 | 16773.076 | 9.966 |
| 11405.693 | 65.410 | 1.006 | 14.759 |
| 10/17/2016 9:30:00 AM | 387000.000 | 130.029 | 20.360 |
| 296.377 | 15292.562 | 16779.773 | 9.971 |
| 11410.247 | 65.391 | 1.006 | 14.755 |
| 10/17/2016 9:45:00 AM | 387900.000 | 130.028 | 20.365 |
| 296.373 | 15292.764 | 16778.158 | 9.970 |
| 11409.148 | 65.390 | 1.006 | 14.759 |
| 10/17/2016 10:00:00 AM | 388800.000 | 130.035 | 20.361 |
| 296.389 | 15294.196 | 16781.020 | 9.971 |
| 11411.095 | 65.384 | 1.006 | 14.758 |
| 10/17/2016 10:15:00 AM | 389700.000 | 130.047 | 20.360 |
| 296.417 | 15288.109 | 16774.830 | 9.967 |
| 11406.885 | 65.410 | 1.006 | 14.760 |
| 10/17/2016 10:30:00 AM | 390600.000 | 130.064 | 20.364 |
| 296.455 | 15289.226 | 16774.674 | 9.967 |
| 11406.779 | 65.406 | 1.006 | 14.761 |
| 10/17/2016 10:45:00 AM | 391500.000 | 130.065 | 20.366 |
| 296.459 | 15291.020 | 16775.904 | 9.968 |
| 11407.615 | 65.398 | 1.006 | 14.766 |
| 10/17/2016 11:00:00 AM | 392400.000 | 130.092 | 20.364 |
| 296.520 | 15291.802 | 16777.318 | 9.969 |
| 11408.577 | 65.395 | 1.006 | 14.757 |
| 10/17/2016 11:15:00 AM | 393300.000 | 130.086 | 20.372 |
| 296.506 | 15293.874 | 16776.861 | 9.969 |
| 11408.266 | 65.386 | 1.006 | 14.766 |
| 10/17/2016 11:30:00 AM | 394200.000 | 130.095 | 20.365 |
| 296.526 | 15287.611 | 16772.594 | 9.966 |
| 11405.365 | 65.412 | 1.006 | 14.767 |
| 10/17/2016 11:45:00 AM | 395100.000 | 130.116 | 20.365 |
| 296.574 | 15292.103 | 16777.553 | 9.969 |
| 11408.737 | 65.393 | 1.006 | 14.757 |
| 10/17/2016 12:00:00 PM | 396000.000 | 130.123 | 20.365 |
| 296.590 | 15289.556 | 16774.516 | 9.967 |
| 11406.672 | 65.404 | 1.006 | 14.766 |
| 10/17/2016 12:15:00 PM | 396900.000 | 130.135 | 20.362 |
| 296.617 | 15293.092 | 16779.623 | 9.970 |
| 11410.144 | 65.389 | 1.006 | 14.760 |
| 10/17/2016 12:30:00 PM | 397800.000 | 130.149 | 20.360 |
| 296.651 | 15286.538 | 16772.953 | 9.966 |
| 11405.609 | 65.417 | 1.006 | 14.761 |
| 10/17/2016 12:45:00 PM | 398700.000 | 130.148 | 20.364 |
| 296.648 | 15291.979 | 16777.451 | 9.969 |
| 11408.668 | 65.394 | 1.006 | 14.765 |
| 10/17/2016 1:00:00 PM | 399600.000 | 130.148 | 20.362 |
| 296.647 | 15285.931 | 16771.607 | 9.965 |

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|---|---|---|---|
| 11404.693 | 65.420 | 1.006 | 14.761 |
| 10/17/2016 1:15:00 PM | 400500.000 | 130.161 | 20.362 |
| 296.676 | 15286.149 | 16771.973 | 9.966 |
| 11404.941 | 65.419 | 1.006 | 14.760 |
| 10/17/2016 1:30:00 PM | 401400.000 | 130.170 | 20.361 |
| 296.698 | 15284.529 | 16770.531 | 9.965 |
| 11403.961 | 65.426 | 1.006 | 14.755 |
| 10/17/2016 1:45:00 PM | 402300.000 | 130.169 | 20.359 |
| 296.696 | 15284.051 | 16770.500 | 9.965 |
| 11403.941 | 65.428 | 1.006 | 14.753 |
| 10/17/2016 2:00:00 PM | 403200.000 | 130.184 | 20.363 |
| 296.730 | 15285.566 | 16770.902 | 9.965 |
| 11404.215 | 65.421 | 1.006 | 14.751 |
| 10/17/2016 2:15:00 PM | 404100.000 | 130.172 | 20.362 |
| 296.703 | 15284.121 | 16769.746 | 9.964 |
| 11403.428 | 65.427 | 1.006 | 14.756 |
| 10/17/2016 2:30:00 PM | 405000.000 | 130.171 | 20.360 |
| 296.700 | 15284.544 | 16770.855 | 9.965 |
| 11404.183 | 65.426 | 1.006 | 14.755 |
| 10/17/2016 2:45:00 PM | 405900.000 | 130.172 | 20.366 |
| 296.702 | 15283.535 | 16767.602 | 9.963 |
| 11401.969 | 65.430 | 1.006 | 14.756 |
| 10/17/2016 3:00:00 PM | 406800.000 | 130.176 | 20.353 |
| 296.711 | 15276.579 | 16764.723 | 9.961 |
| 11400.012 | 65.460 | 1.006 | 14.748 |
| 10/17/2016 3:15:00 PM | 407700.000 | 130.175 | 20.361 |
| 296.709 | 15276.341 | 16761.459 | 9.959 |
| 11397.793 | 65.461 | 1.006 | 14.750 |
| 10/17/2016 3:30:00 PM | 408600.000 | 130.166 | 20.371 |
| 296.687 | 15278.403 | 16760.406 | 9.958 |
| 11397.076 | 65.452 | 1.006 | 14.744 |
| 10/17/2016 3:45:00 PM | 409500.000 | 130.164 | 20.370 |
| 296.685 | 15279.319 | 16761.473 | 9.959 |
| 11397.803 | 65.448 | 1.006 | 14.754 |
| 10/17/2016 4:00:00 PM | 410400.000 | 130.159 | 20.364 |
| 296.673 | 15278.813 | 16763.096 | 9.960 |
| 11398.905 | 65.450 | 1.006 | 14.747 |
| 10/17/2016 4:15:00 PM | 411300.000 | 130.152 | 20.362 |
| 296.656 | 15276.253 | 16761.020 | 9.958 |
| 11397.493 | 65.461 | 1.006 | 14.755 |
| 10/17/2016 4:30:00 PM | 412200.000 | 130.146 | 20.351 |
| 296.643 | 15263.959 | 16751.426 | 9.952 |
| 11390.971 | 65.514 | 1.006 | 14.747 |
| 10/17/2016 4:45:00 PM | 413100.000 | 130.130 | 20.366 |
| 296.605 | 15275.289 | 16758.525 | 9.957 |
| 11395.799 | 65.465 | 1.006 | 14.747 |
| 10/17/2016 5:00:00 PM | 414000.000 | 130.143 | 20.361 |
| 296.635 | 15272.095 | 16756.678 | 9.956 |
| 11394.542 | 65.479 | 1.006 | 14.746 |
| 10/17/2016 5:15:00 PM | 414900.000 | 130.109 | 20.366 |
| 296.558 | 15272.414 | 16755.492 | 9.955 |
| 11393.735 | 65.478 | 1.006 | 14.747 |
| 10/17/2016 5:30:00 PM | 415800.000 | 130.103 | 20.364 |
| 296.545 | 15260.732 | 16743.443 | 9.947 |
| 11385.543 | 65.528 | 1.006 | 14.742 |

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|---|---|---|---|
| 10/17/2016 5:45:00 PM | 416700.000 | 130.090 | 20.364 |
| 296.516 | 15263.127 | 16745.979 | 9.949 |
| 11387.267 | 65.517 | 1.006 | 14.744 |
| 10/17/2016 6:00:00 PM | 417600.000 | 130.086 | 20.355 |
| 296.507 | 15260.148 | 16745.896 | 9.949 |
| 11387.211 | 65.530 | 1.006 | 14.743 |
| 10/17/2016 6:15:00 PM | 418500.000 | 130.066 | 20.350 |
| 296.460 | 15260.060 | 16747.330 | 9.950 |
| 11388.186 | 65.531 | 1.006 | 14.746 |
| 10/17/2016 6:30:00 PM | 419400.000 | 130.059 | 20.352 |
| 296.445 | 15258.783 | 16745.533 | 9.948 |
| 11386.964 | 65.536 | 1.006 | 14.742 |
| 10/17/2016 6:45:00 PM | 420300.000 | 130.049 | 20.362 |
| 296.422 | 15256.591 | 16739.357 | 9.945 |
| 11382.763 | 65.545 | 1.006 | 14.744 |
| 10/17/2016 7:00:00 PM | 421200.000 | 130.042 | 20.360 |
| 296.406 | 15255.107 | 16738.496 | 9.944 |
| 11382.179 | 65.552 | 1.006 | 14.742 |
| 10/17/2016 7:15:00 PM | 422100.000 | 130.034 | 20.364 |
| 296.389 | 15248.511 | 16729.912 | 9.938 |
| 11376.342 | 65.580 | 1.006 | 14.747 |
| 10/17/2016 7:30:00 PM | 423000.000 | 130.022 | 20.365 |
| 296.360 | 15254.837 | 16736.518 | 9.943 |
| 11380.833 | 65.553 | 1.006 | 14.750 |
| 10/17/2016 7:45:00 PM | 423900.000 | 130.007 | 20.365 |
| 296.325 | 15251.366 | 16732.617 | 9.940 |
| 11378.181 | 65.568 | 1.006 | 14.753 |
| 10/17/2016 8:00:00 PM | 424800.000 | 130.003 | 20.363 |
| 296.316 | 15249.371 | 16731.131 | 9.939 |
| 11377.170 | 65.576 | 1.006 | 14.756 |
| 10/17/2016 8:15:00 PM | 425700.000 | 130.000 | 20.361 |
| 296.311 | 15252.270 | 16735.018 | 9.942 |
| 11379.813 | 65.564 | 1.006 | 14.755 |
| 10/17/2016 8:30:00 PM | 426600.000 | 130.003 | 20.356 |
| 296.317 | 15243.535 | 16727.418 | 9.937 |
| 11374.646 | 65.602 | 1.006 | 14.749 |
| 10/17/2016 8:45:00 PM | 427500.000 | 129.989 | 20.362 |
| 296.284 | 15246.314 | 16728.236 | 9.937 |
| 11375.202 | 65.590 | 1.006 | 14.762 |
| 10/17/2016 9:00:00 PM | 428400.000 | 129.990 | 20.358 |
| 296.288 | 15243.163 | 16726.061 | 9.936 |
| 11373.722 | 65.603 | 1.006 | 14.761 |
| 10/17/2016 9:15:00 PM | 429300.000 | 129.982 | 20.362 |
| 296.269 | 15242.782 | 16724.145 | 9.935 |
| 11372.418 | 65.605 | 1.006 | 14.761 |
| 10/17/2016 9:30:00 PM | 430200.000 | 129.983 | 20.361 |
| 296.271 | 15242.035 | 16723.695 | 9.934 |
| 11372.114 | 65.608 | 1.006 | 14.764 |
| 10/17/2016 9:45:00 PM | 431100.000 | 129.992 | 20.365 |
| 296.293 | 15248.924 | 16730.148 | 9.939 |
| 11376.501 | 65.578 | 1.006 | 14.758 |
| 10/17/2016 10:00:00 PM | 432000.000 | 129.985 | 20.357 |
| 296.276 | 15240.160 | 16723.320 | 9.934 |
| 11371.858 | 65.616 | 1.006 | 14.763 |
| 10/17/2016 10:15:00 PM | 432900.000 | 129.995 | 20.367 |

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|---|---|---|---|
| 296.299 | 15248.134 | 16728.488 | 9.938 |
| 11375.373 | 65.582 | 1.006 | 14.766 |
| 10/17/2016 10:30:00 PM | 433800.000 | 129.992 | 20.371 |
| 296.293 | 15246.334 | 16725.227 | 9.935 |
| 11373.154 | 65.590 | 1.006 | 14.766 |
| 10/17/2016 10:45:00 PM | 434700.000 | 130.004 | 20.359 |
| 296.320 | 15237.062 | 16718.971 | 9.931 |
| 11368.901 | 65.629 | 1.006 | 14.767 |
| 10/17/2016 11:00:00 PM | 435600.000 | 130.008 | 20.366 |
| 296.327 | 15241.798 | 16721.902 | 9.933 |
| 11370.895 | 65.609 | 1.006 | 14.769 |
| 10/17/2016 11:15:00 PM | 436500.000 | 130.011 | 20.359 |
| 296.335 | 15241.619 | 16724.186 | 9.935 |
| 11372.447 | 65.610 | 1.006 | 14.773 |
| 10/17/2016 11:30:00 PM | 437400.000 | 130.018 | 20.361 |
| 296.351 | 15242.187 | 16724.072 | 9.935 |
| 11372.370 | 65.607 | 1.006 | 14.775 |
| 10/17/2016 11:45:00 PM | 438300.000 | 130.023 | 20.369 |
| 296.363 | 15244.642 | 16723.799 | 9.935 |
| 11372.184 | 65.597 | 1.006 | 14.776 |
| 10/18/2016 12:00:00 AM | 439200.000 | 130.036 | 20.367 |
| 296.392 | 15244.495 | 16724.586 | 9.935 |
| 11372.720 | 65.597 | 1.006 | 14.778 |
| 10/18/2016 12:15:00 AM | 440100.000 | 130.045 | 20.371 |
| 296.412 | 15249.659 | 16728.721 | 9.938 |
| 11375.531 | 65.575 | 1.006 | 14.780 |
| 10/18/2016 12:30:00 AM | 441000.000 | 130.045 | 20.360 |
| 296.412 | 15242.497 | 16724.660 | 9.935 |
| 11372.770 | 65.606 | 1.006 | 14.782 |
| 10/18/2016 12:45:00 AM | 441900.000 | 130.056 | 20.364 |
| 296.438 | 15240.146 | 16720.674 | 9.932 |
| 11370.059 | 65.616 | 1.006 | 14.780 |
| 10/18/2016 1:00:00 AM | 442800.000 | 130.066 | 20.356 |
| 296.461 | 15241.204 | 16724.527 | 9.935 |
| 11372.680 | 65.612 | 1.006 | 14.784 |
| 10/18/2016 1:15:00 AM | 443700.000 | 130.084 | 20.364 |
| 296.500 | 15248.507 | 16729.877 | 9.938 |
| 11376.317 | 65.580 | 1.006 | 14.780 |
| 10/18/2016 1:30:00 AM | 444600.000 | 130.078 | 20.359 |
| 296.489 | 15240.207 | 16722.451 | 9.934 |
| 11371.268 | 65.616 | 1.006 | 14.786 |
| 10/18/2016 1:45:00 AM | 445500.000 | 130.098 | 20.359 |
| 296.534 | 15243.307 | 16725.852 | 9.936 |
| 11373.580 | 65.603 | 1.006 | 14.785 |
| 10/18/2016 2:00:00 AM | 446400.000 | 130.095 | 20.356 |
| 296.527 | 15248.998 | 16733.139 | 9.940 |
| 11378.534 | 65.578 | 1.006 | 14.784 |
| 10/18/2016 2:15:00 AM | 447300.000 | 130.097 | 20.364 |
| 296.530 | 15246.779 | 16728.072 | 9.937 |
| 11375.090 | 65.588 | 1.006 | 14.784 |
| 10/18/2016 2:30:00 AM | 448200.000 | 130.103 | 20.362 |
| 296.546 | 15249.840 | 16732.010 | 9.940 |
| 11377.768 | 65.574 | 1.006 | 14.787 |
| 10/18/2016 2:45:00 AM | 449100.000 | 130.116 | 20.357 |
| 296.575 | 15251.255 | 16735.219 | 9.942 |

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|---|---|---|---|
| 11379.949 | 65.568 | 1.006 | 14.788 |
| 10/18/2016 3:00:00 AM | 450000.000 | 130.118 | 20.365 |
| 296.579 | 15251.767 | 16733.180 | 9.941 |
| 11378.563 | 65.566 | 1.006 | 14.787 |
| 10/18/2016 3:15:00 AM | 450900.000 | 130.127 | 20.362 |
| 296.600 | 15252.474 | 16734.928 | 9.942 |
| 11379.751 | 65.563 | 1.006 | 14.781 |
| 10/18/2016 3:30:00 AM | 451800.000 | 130.121 | 20.363 |
| 296.587 | 15250.416 | 16732.338 | 9.940 |
| 11377.990 | 65.572 | 1.006 | 14.784 |
| 10/18/2016 3:45:00 AM | 452700.000 | 130.130 | 20.367 |
| 296.606 | 15246.395 | 16726.426 | 9.936 |
| 11373.970 | 65.589 | 1.006 | 14.785 |
| 10/18/2016 4:00:00 AM | 453600.000 | 130.127 | 20.363 |
| 296.599 | 15250.348 | 16732.109 | 9.940 |
| 11377.835 | 65.572 | 1.006 | 14.781 |
| 10/18/2016 4:15:00 AM | 454500.000 | 130.124 | 20.366 |
| 296.592 | 15256.184 | 16737.500 | 9.943 |
| 11381.500 | 65.547 | 1.006 | 14.785 |
| 10/18/2016 4:30:00 AM | 455400.000 | 130.117 | 20.365 |
| 296.578 | 15252.115 | 16733.342 | 9.941 |
| 11378.674 | 65.565 | 1.006 | 14.785 |
| 10/18/2016 4:45:00 AM | 456300.000 | 130.113 | 20.361 |
| 296.567 | 15258.060 | 16741.277 | 9.946 |
| 11384.068 | 65.539 | 1.006 | 14.786 |
| 10/18/2016 5:00:00 AM | 457200.000 | 130.120 | 20.359 |
| 296.584 | 15252.454 | 16736.043 | 9.942 |
| 11380.511 | 65.563 | 1.006 | 14.786 |
| 10/18/2016 5:15:00 AM | 458100.000 | 130.121 | 20.356 |
| 296.587 | 15242.698 | 16726.318 | 9.936 |
| 11373.896 | 65.605 | 1.006 | 14.790 |
| 10/18/2016 5:30:00 AM | 459000.000 | 130.112 | 20.369 |
| 296.565 | 15257.655 | 16738.141 | 9.944 |
| 11381.937 | 65.541 | 1.006 | 14.789 |
| 10/18/2016 5:45:00 AM | 459900.000 | 130.114 | 20.361 |
| 296.569 | 15244.791 | 16727.023 | 9.937 |
| 11374.376 | 65.596 | 1.006 | 14.790 |
| 10/18/2016 6:00:00 AM | 460800.000 | 130.114 | 20.360 |
| 296.571 | 15250.597 | 16733.488 | 9.941 |
| 11378.772 | 65.571 | 1.006 | 14.794 |
| 10/18/2016 6:15:00 AM | 461700.000 | 130.111 | 20.369 |
| 296.564 | 15250.020 | 16729.945 | 9.939 |
| 11376.363 | 65.574 | 1.006 | 14.795 |
| 10/18/2016 6:30:00 AM | 462600.000 | 130.100 | 20.364 |
| 296.538 | 15249.719 | 16731.268 | 9.939 |
| 11377.262 | 65.575 | 1.006 | 14.799 |
| 10/18/2016 6:45:00 AM | 463500.000 | 130.111 | 20.356 |
| 296.563 | 15250.974 | 16735.523 | 9.942 |
| 11380.156 | 65.570 | 1.006 | 14.800 |
| 10/18/2016 7:00:00 AM | 464400.000 | 130.101 | 20.363 |
| 296.540 | 15246.271 | 16727.666 | 9.937 |
| 11374.814 | 65.590 | 1.006 | 14.802 |
| 10/18/2016 7:15:00 AM | 465300.000 | 130.106 | 20.361 |
| 296.552 | 15251.568 | 16734.307 | 9.941 |
| 11379.330 | 65.567 | 1.006 | 14.804 |

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|---|---|---|---|
| 10/18/2016 7:30:00 AM | 466200.000 | 130.102 | 20.359 |
| 296.542 | 15245.011 | 16727.906 | 9.937 |
| 11374.978 | 65.595 | 1.006 | 14.801 |
| 10/18/2016 7:45:00 AM | 467100.000 | 130.099 | 20.368 |
| 296.536 | 15248.709 | 16728.633 | 9.938 |
| 11375.471 | 65.579 | 1.006 | 14.806 |
| 10/18/2016 8:00:00 AM | 468000.000 | 130.100 | 20.364 |
| 296.539 | 15248.244 | 16729.648 | 9.938 |
| 11376.161 | 65.581 | 1.006 | 14.806 |
| 10/18/2016 8:15:00 AM | 468900.000 | 130.107 | 20.357 |
| 296.554 | 15237.646 | 16720.287 | 9.932 |
| 11369.796 | 65.627 | 1.006 | 14.815 |
| 10/18/2016 8:30:00 AM | 469800.000 | 130.101 | 20.348 |
| 296.540 | 15237.715 | 16723.512 | 9.934 |
| 11371.989 | 65.627 | 1.006 | 14.820 |
| 10/18/2016 8:45:00 AM | 470700.000 | 130.098 | 20.364 |
| 296.534 | 15241.363 | 16721.918 | 9.933 |
| 11370.905 | 65.611 | 1.006 | 14.808 |
| 10/18/2016 9:00:00 AM | 471600.000 | 130.109 | 20.361 |
| 296.560 | 15241.076 | 16722.854 | 9.934 |
| 11371.541 | 65.612 | 1.006 | 14.809 |
| 10/18/2016 9:15:00 AM | 472500.000 | 130.103 | 20.363 |
| 296.546 | 15244.193 | 16725.662 | 9.936 |
| 11373.450 | 65.599 | 1.006 | 14.822 |
| 10/18/2016 9:30:00 AM | 473400.000 | 130.113 | 20.361 |
| 296.568 | 15240.535 | 16722.143 | 9.933 |
| 11371.058 | 65.614 | 1.006 | 14.820 |
| 10/18/2016 9:45:00 AM | 474300.000 | 130.131 | 20.360 |
| 296.609 | 15237.863 | 16719.574 | 9.932 |
| 11369.312 | 65.626 | 1.006 | 14.822 |
| 10/18/2016 10:00:00 AM | 475200.000 | 130.146 | 20.369 |
| 296.642 | 15237.632 | 16716.174 | 9.930 |
| 11366.999 | 65.627 | 1.006 | 14.819 |
| 10/18/2016 10:15:00 AM | 476100.000 | 130.147 | 20.361 |
| 296.645 | 15241.062 | 16722.656 | 9.934 |
| 11371.406 | 65.612 | 1.006 | 14.823 |
| 10/18/2016 10:30:00 AM | 477000.000 | 130.149 | 20.362 |
| 296.650 | 15237.338 | 16718.293 | 9.931 |
| 11368.439 | 65.628 | 1.006 | 14.821 |
| 10/18/2016 10:45:00 AM | 477900.000 | 130.159 | 20.359 |
| 296.674 | 15232.333 | 16713.996 | 9.928 |
| 11365.519 | 65.650 | 1.006 | 14.822 |
| 10/18/2016 11:00:00 AM | 478800.000 | 130.169 | 20.361 |
| 296.696 | 15235.723 | 16717.045 | 9.930 |
| 11367.591 | 65.635 | 1.006 | 14.826 |
| 10/18/2016 11:15:00 AM | 479700.000 | 130.181 | 20.368 |
| 296.722 | 15235.027 | 16713.623 | 9.928 |
| 11365.264 | 65.638 | 1.006 | 14.818 |
| 10/18/2016 11:30:00 AM | 480600.000 | 130.197 | 20.360 |
| 296.759 | 15233.526 | 16714.787 | 9.929 |
| 11366.057 | 65.645 | 1.006 | 14.817 |
| 10/18/2016 11:45:00 AM | 481500.000 | 130.198 | 20.360 |
| 296.761 | 15233.712 | 16714.990 | 9.929 |
| 11366.193 | 65.644 | 1.006 | 14.817 |
| 10/18/2016 12:00:00 PM | 482400.000 | 130.208 | 20.370 |

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|---|---|---|---|
| 296.784 | 15237.134 | 16715.195 | 9.929 |
| 11366.334 | 65.629 | 1.006 | 14.818 |
| 10/18/2016 12:15:00 PM | 483300.000 | 130.228 | 20.369 |
| 296.829 | 15231.573 | 16709.490 | 9.925 |
| 11362.453 | 65.653 | 1.006 | 14.816 |
| 10/18/2016 12:30:00 PM | 484200.000 | 130.225 | 20.369 |
| 296.822 | 15231.521 | 16709.527 | 9.925 |
| 11362.479 | 65.653 | 1.006 | 14.821 |
| 10/18/2016 12:45:00 PM | 485100.000 | 130.243 | 20.356 |
| 296.865 | 15227.753 | 16709.768 | 9.925 |
| 11362.643 | 65.670 | 1.006 | 14.813 |
| 10/18/2016 1:00:00 PM | 486000.000 | 130.253 | 20.370 |
| 296.887 | 15232.390 | 16710.053 | 9.926 |
| 11362.837 | 65.650 | 1.006 | 14.802 |
| 10/18/2016 1:15:00 PM | 486900.000 | 130.271 | 20.360 |
| 296.927 | 15229.638 | 16710.701 | 9.926 |
| 11363.277 | 65.661 | 1.006 | 14.804 |
| 10/18/2016 1:30:00 PM | 487800.000 | 130.265 | 20.361 |
| 296.914 | 15229.654 | 16710.234 | 9.926 |
| 11362.961 | 65.661 | 1.006 | 14.804 |
| 10/18/2016 1:45:00 PM | 488700.000 | 130.282 | 20.365 |
| 296.953 | 15224.105 | 16702.891 | 9.921 |
| 11357.967 | 65.685 | 1.006 | 14.799 |
| 10/18/2016 2:00:00 PM | 489600.000 | 130.283 | 20.369 |
| 296.955 | 15225.774 | 16703.100 | 9.921 |
| 11358.107 | 65.678 | 1.006 | 14.798 |
| 10/18/2016 2:15:00 PM | 490500.000 | 130.291 | 20.365 |
| 296.974 | 15224.303 | 16703.137 | 9.921 |
| 11358.134 | 65.684 | 1.006 | 14.789 |
| 10/18/2016 2:30:00 PM | 491400.000 | 130.290 | 20.374 |
| 296.971 | 15226.315 | 16702.170 | 9.921 |
| 11357.477 | 65.676 | 1.006 | 14.796 |
| 10/18/2016 2:45:00 PM | 492300.000 | 130.292 | 20.372 |
| 296.975 | 15224.952 | 16701.225 | 9.920 |
| 11356.833 | 65.682 | 1.006 | 14.786 |
| 10/18/2016 3:00:00 PM | 493200.000 | 130.322 | 20.363 |
| 297.044 | 15221.434 | 16700.447 | 9.919 |
| 11356.305 | 65.697 | 1.006 | 14.782 |
| 10/18/2016 3:15:00 PM | 494100.000 | 130.288 | 20.361 |
| 296.967 | 15213.094 | 16692.150 | 9.914 |
| 11350.662 | 65.733 | 1.006 | 14.781 |
| 10/18/2016 3:30:00 PM | 495000.000 | 130.294 | 20.373 |
| 296.979 | 15217.239 | 16692.518 | 9.914 |
| 11350.913 | 65.715 | 1.006 | 14.783 |
| 10/18/2016 3:45:00 PM | 495900.000 | 130.292 | 20.363 |
| 296.976 | 15219.137 | 16697.865 | 9.918 |
| 11354.550 | 65.707 | 1.006 | 14.780 |
| 10/18/2016 4:00:00 PM | 496800.000 | 130.294 | 20.359 |
| 296.981 | 15215.128 | 16695.086 | 9.916 |
| 11352.658 | 65.724 | 1.006 | 14.776 |
| 10/18/2016 4:15:00 PM | 497700.000 | 130.290 | 20.368 |
| 296.971 | 15215.610 | 16692.320 | 9.914 |
| 11350.778 | 65.722 | 1.006 | 14.775 |
| 10/18/2016 4:30:00 PM | 498600.000 | 130.283 | 20.362 |
| 296.954 | 15212.687 | 16691.338 | 9.914 |

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|---|---|---|---|
| 11350.111 | 65.735 | 1.006 | 14.772 |
| 10/18/2016 4:45:00 PM | 499500.000 | 130.270 | 20.361 |
| 296.925 | 15208.115 | 16686.721 | 9.911 |
| 11346.971 | 65.754 | 1.006 | 14.775 |
| 10/18/2016 5:00:00 PM | 500400.000 | 130.271 | 20.362 |
| 296.928 | 15203.858 | 16681.588 | 9.907 |
| 11343.480 | 65.773 | 1.006 | 14.772 |
| 10/18/2016 5:15:00 PM | 501300.000 | 130.258 | 20.361 |
| 296.897 | 15205.806 | 16684.248 | 9.909 |
| 11345.289 | 65.764 | 1.006 | 14.775 |
| 10/18/2016 5:30:00 PM | 502200.000 | 130.238 | 20.360 |
| 296.852 | 15195.685 | 16673.172 | 9.902 |
| 11337.757 | 65.808 | 1.006 | 14.778 |
| 10/18/2016 5:45:00 PM | 503100.000 | 130.224 | 20.368 |
| 296.820 | 15204.723 | 16680.496 | 9.907 |
| 11342.738 | 65.769 | 1.006 | 14.784 |
| 10/18/2016 6:00:00 PM | 504000.000 | 130.215 | 20.364 |
| 296.800 | 15199.019 | 16675.521 | 9.903 |
| 11339.355 | 65.794 | 1.006 | 14.783 |
| 10/18/2016 6:15:00 PM | 504900.000 | 130.208 | 20.367 |
| 296.785 | 15202.525 | 16678.299 | 9.905 |
| 11341.244 | 65.779 | 1.006 | 14.778 |
| 10/18/2016 6:30:00 PM | 505800.000 | 130.208 | 20.360 |
| 296.785 | 15198.063 | 16676.086 | 9.904 |
| 11339.739 | 65.798 | 1.006 | 14.777 |
| 10/18/2016 6:45:00 PM | 506700.000 | 130.189 | 20.367 |
| 296.742 | 15192.302 | 16667.082 | 9.898 |
| 11333.617 | 65.823 | 1.006 | 14.790 |
| 10/18/2016 7:00:00 PM | 507600.000 | 130.172 | 20.366 |
| 296.701 | 15195.059 | 16670.594 | 9.900 |
| 11336.004 | 65.811 | 1.006 | 14.782 |
| 10/18/2016 7:15:00 PM | 508500.000 | 130.166 | 20.374 |
| 296.689 | 15200.866 | 16674.160 | 9.903 |
| 11338.430 | 65.786 | 1.006 | 14.778 |
| 10/18/2016 7:30:00 PM | 509400.000 | 130.146 | 20.373 |
| 296.643 | 15197.006 | 16670.078 | 9.900 |
| 11335.654 | 65.802 | 1.006 | 14.793 |
| 10/18/2016 7:45:00 PM | 510300.000 | 130.139 | 20.366 |
| 296.628 | 15191.554 | 16666.871 | 9.898 |
| 11333.474 | 65.826 | 1.006 | 14.787 |
| 10/18/2016 8:00:00 PM | 511200.000 | 130.130 | 20.365 |
| 296.606 | 15191.877 | 16667.592 | 9.898 |
| 11333.964 | 65.825 | 1.006 | 14.796 |
| 10/18/2016 8:15:00 PM | 512100.000 | 130.117 | 20.355 |
| 296.577 | 15181.479 | 16659.656 | 9.893 |
| 11328.566 | 65.870 | 1.006 | 14.795 |
| 10/18/2016 8:30:00 PM | 513000.000 | 130.108 | 20.362 |
| 296.557 | 15184.059 | 16659.900 | 9.893 |
| 11328.732 | 65.859 | 1.006 | 14.799 |
| 10/18/2016 8:45:00 PM | 513900.000 | 130.098 | 20.362 |
| 296.533 | 15180.060 | 16655.418 | 9.890 |
| 11325.686 | 65.876 | 1.006 | 14.797 |
| 10/18/2016 9:00:00 PM | 514800.000 | 130.101 | 20.350 |
| 296.541 | 15174.777 | 16653.826 | 9.889 |
| 11324.603 | 65.899 | 1.006 | 14.795 |

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|---|---|---|---|
| 10/18/2016 9:15:00 PM | 515700.000 | 130.086 | 20.362 |
| 296.506 | 15171.724 | 16646.242 | 9.885 |
| 11319.444 | 65.912 | 1.006 | 14.801 |
| 10/18/2016 9:30:00 PM | 516600.000 | 130.088 | 20.358 |
| 296.510 | 15173.603 | 16649.920 | 9.887 |
| 11321.946 | 65.904 | 1.006 | 14.799 |
| 10/18/2016 9:45:00 PM | 517500.000 | 130.088 | 20.367 |
| 296.512 | 15175.002 | 16648.377 | 9.886 |
| 11320.897 | 65.898 | 1.006 | 14.807 |
| 10/18/2016 10:00:00 PM | 518400.000 | 130.074 | 20.358 |
| 296.479 | 15169.350 | 16645.129 | 9.884 |
| 11318.688 | 65.922 | 1.006 | 14.808 |
| 10/18/2016 10:15:00 PM | 519300.000 | 130.080 | 20.351 |
| 296.492 | 15165.556 | 16643.523 | 9.883 |
| 11317.597 | 65.939 | 1.006 | 14.806 |
| 10/18/2016 10:30:00 PM | 520200.000 | 130.083 | 20.366 |
| 296.499 | 15173.723 | 16647.127 | 9.885 |
| 11320.048 | 65.903 | 1.006 | 14.807 |
| 10/18/2016 10:45:00 PM | 521100.000 | 130.068 | 20.351 |
| 296.466 | 15161.648 | 16639.234 | 9.880 |
| 11314.680 | 65.956 | 1.006 | 14.805 |
| 10/18/2016 11:00:00 PM | 522000.000 | 130.081 | 20.363 |
| 296.494 | 15171.981 | 16646.432 | 9.885 |
| 11319.573 | 65.911 | 1.006 | 14.805 |
| 10/18/2016 11:15:00 PM | 522900.000 | 130.084 | 20.357 |
| 296.501 | 15165.051 | 16640.840 | 9.881 |
| 11315.772 | 65.941 | 1.006 | 14.807 |
| 10/18/2016 11:30:00 PM | 523800.000 | 130.085 | 20.372 |
| 296.504 | 15165.383 | 16635.998 | 9.878 |
| 11312.479 | 65.940 | 1.006 | 14.807 |
| 10/18/2016 11:45:00 PM | 524700.000 | 130.082 | 20.367 |
| 296.498 | 15169.409 | 16641.910 | 9.882 |
| 11316.500 | 65.922 | 1.006 | 14.807 |
| 10/19/2016 12:00:00 AM | 525600.000 | 130.093 | 20.356 |
| 296.523 | 15164.657 | 16640.682 | 9.881 |
| 11315.664 | 65.943 | 1.006 | 14.806 |
| 10/19/2016 12:15:00 AM | 526500.000 | 130.101 | 20.368 |
| 296.540 | 15169.552 | 16641.912 | 9.882 |
| 11316.501 | 65.922 | 1.006 | 14.802 |
| 10/19/2016 12:30:00 AM | 527400.000 | 130.093 | 20.362 |
| 296.521 | 15165.804 | 16639.992 | 9.881 |
| 11315.195 | 65.938 | 1.006 | 14.808 |
| 10/19/2016 12:45:00 AM | 528300.000 | 130.120 | 20.358 |
| 296.583 | 15165.575 | 16640.834 | 9.881 |
| 11315.769 | 65.939 | 1.006 | 14.799 |
| 10/19/2016 1:00:00 AM | 529200.000 | 130.111 | 20.368 |
| 296.563 | 15169.552 | 16641.822 | 9.882 |
| 11316.439 | 65.922 | 1.006 | 14.808 |
| 10/19/2016 1:15:00 AM | 530100.000 | 130.129 | 20.360 |
| 296.605 | 15159.590 | 16633.660 | 9.876 |
| 11310.890 | 65.965 | 1.006 | 14.809 |
| 10/19/2016 1:30:00 AM | 531000.000 | 130.130 | 20.361 |
| 296.608 | 15168.008 | 16642.652 | 9.882 |
| 11317.004 | 65.928 | 1.006 | 14.805 |
| 10/19/2016 1:45:00 AM | 531900.000 | 130.143 | 20.364 |

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|---|---|---|---|
| 296.637 | 15169.438 | 16643.309 | 9.883 |
| 11317.450 | 65.922 | 1.006 | 14.809 |
| 10/19/2016 2:00:00 AM | 532800.000 | 130.139 | 20.352 |
| 296.628 | 15169.528 | 16647.336 | 9.885 |
| 11320.189 | 65.922 | 1.006 | 14.808 |
| 10/19/2016 2:15:00 AM | 533700.000 | 130.154 | 20.366 |
| 296.662 | 15173.914 | 16647.459 | 9.885 |
| 11320.273 | 65.903 | 1.006 | 14.808 |
| 10/19/2016 2:30:00 AM | 534600.000 | 130.162 | 20.360 |
| 296.679 | 15170.314 | 16645.457 | 9.884 |
| 11318.911 | 65.918 | 1.006 | 14.812 |
| 10/19/2016 2:45:00 AM | 535500.000 | 130.162 | 20.366 |
| 296.679 | 15181.207 | 16655.396 | 9.890 |
| 11325.670 | 65.871 | 1.006 | 14.816 |
| 10/19/2016 3:00:00 AM | 536400.000 | 130.173 | 20.366 |
| 296.704 | 15176.789 | 16650.396 | 9.887 |
| 11322.271 | 65.890 | 1.006 | 14.813 |
| 10/19/2016 3:15:00 AM | 537300.000 | 130.182 | 20.363 |
| 296.725 | 15172.282 | 16646.672 | 9.885 |
| 11319.737 | 65.910 | 1.006 | 14.810 |
| 10/19/2016 3:30:00 AM | 538200.000 | 130.190 | 20.361 |
| 296.743 | 15174.243 | 16649.615 | 9.887 |
| 11321.739 | 65.901 | 1.006 | 14.806 |
| 10/19/2016 3:45:00 AM | 539100.000 | 130.188 | 20.367 |
| 296.738 | 15182.329 | 16656.266 | 9.891 |
| 11326.262 | 65.866 | 1.006 | 14.811 |
| 10/19/2016 4:00:00 AM | 540000.000 | 130.187 | 20.366 |
| 296.737 | 15181.287 | 16655.547 | 9.891 |
| 11325.773 | 65.871 | 1.006 | 14.809 |
| 10/19/2016 4:15:00 AM | 540900.000 | 130.200 | 20.365 |
| 296.766 | 15182.866 | 16657.525 | 9.892 |
| 11327.118 | 65.864 | 1.006 | 14.803 |
| 10/19/2016 4:30:00 AM | 541800.000 | 130.196 | 20.362 |
| 296.756 | 15179.228 | 16654.627 | 9.890 |
| 11325.146 | 65.880 | 1.006 | 14.799 |
| 10/19/2016 4:45:00 AM | 542700.000 | 130.207 | 20.366 |
| 296.781 | 15173.061 | 16646.277 | 9.885 |
| 11319.470 | 65.906 | 1.006 | 14.807 |
| 10/19/2016 5:00:00 AM | 543600.000 | 130.214 | 20.360 |
| 296.798 | 15172.196 | 16647.465 | 9.885 |
| 11320.277 | 65.910 | 1.006 | 14.800 |
| 10/19/2016 5:15:00 AM | 544500.000 | 130.206 | 20.360 |
| 296.779 | 15180.124 | 16656.131 | 9.891 |
| 11326.169 | 65.876 | 1.006 | 14.802 |
| 10/19/2016 5:30:00 AM | 545400.000 | 130.206 | 20.365 |
| 296.780 | 15182.359 | 16656.813 | 9.891 |
| 11326.634 | 65.866 | 1.006 | 14.804 |
| 10/19/2016 5:45:00 AM | 546300.000 | 130.203 | 20.368 |
| 296.774 | 15171.649 | 16644.029 | 9.883 |
| 11317.940 | 65.912 | 1.006 | 14.807 |
| 10/19/2016 6:00:00 AM | 547200.000 | 130.198 | 20.363 |
| 296.761 | 15178.921 | 16653.955 | 9.890 |
| 11324.689 | 65.881 | 1.006 | 14.810 |
| 10/19/2016 6:15:00 AM | 548100.000 | 130.197 | 20.364 |
| 296.758 | 15178.879 | 16653.516 | 9.889 |

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|---|---|---|---|
| 11324.392 | 65.881 | 1.006 | 14.811 |
| 10/19/2016 6:30:00 AM | 549000.000 | 130.199 | 20.365 |
| 296.765 | 15178.272 | 16652.389 | 9.889 |
| 11323.625 | 65.884 | 1.006 | 14.809 |
| 10/19/2016 6:45:00 AM | 549900.000 | 130.201 | 20.370 |
| 296.769 | 15183.276 | 16656.174 | 9.891 |
| 11326.198 | 65.862 | 1.006 | 14.804 |
| 10/19/2016 7:00:00 AM | 550800.000 | 130.205 | 20.366 |
| 296.777 | 15180.128 | 16654.305 | 9.890 |
| 11324.929 | 65.876 | 1.006 | 14.802 |
| 10/19/2016 7:15:00 AM | 551700.000 | 130.199 | 20.365 |
| 296.763 | 15183.728 | 16658.346 | 9.892 |
| 11327.676 | 65.860 | 1.006 | 14.813 |
| 10/19/2016 7:30:00 AM | 552600.000 | 130.192 | 20.375 |
| 296.748 | 15185.350 | 16656.686 | 9.891 |
| 11326.547 | 65.853 | 1.006 | 14.810 |
| 10/19/2016 7:45:00 AM | 553500.000 | 130.205 | 20.365 |
| 296.776 | 15176.938 | 16650.895 | 9.888 |
| 11322.609 | 65.889 | 1.006 | 14.809 |
| 10/19/2016 8:00:00 AM | 554400.000 | 130.190 | 20.371 |
| 296.743 | 15183.496 | 16656.084 | 9.891 |
| 11326.139 | 65.861 | 1.006 | 14.812 |
| 10/19/2016 8:15:00 AM | 555300.000 | 130.190 | 20.357 |
| 296.744 | 15176.395 | 16653.381 | 9.889 |
| 11324.300 | 65.892 | 1.006 | 14.815 |
| 10/19/2016 8:30:00 AM | 556200.000 | 130.194 | 20.355 |
| 296.753 | 15179.789 | 16657.713 | 9.892 |
| 11327.246 | 65.877 | 1.006 | 14.816 |
| 10/19/2016 8:45:00 AM | 557100.000 | 130.195 | 20.362 |
| 296.754 | 15179.928 | 16655.396 | 9.890 |
| 11325.670 | 65.876 | 1.006 | 14.816 |
| 10/19/2016 9:00:00 AM | 558000.000 | 130.177 | 20.365 |
| 296.713 | 15174.159 | 16647.941 | 9.886 |
| 11320.602 | 65.902 | 1.006 | 14.824 |
| 10/19/2016 9:15:00 AM | 558900.000 | 130.197 | 20.356 |
| 296.760 | 15179.314 | 16656.854 | 9.891 |
| 11326.661 | 65.879 | 1.006 | 14.821 |
| 10/19/2016 9:30:00 AM | 559800.000 | 130.179 | 20.356 |
| 296.718 | 15174.407 | 16651.504 | 9.888 |
| 11323.022 | 65.900 | 1.006 | 14.820 |
| 10/19/2016 9:45:00 AM | 560700.000 | 130.183 | 20.355 |
| 296.727 | 15172.478 | 16649.537 | 9.887 |
| 11321.686 | 65.909 | 1.006 | 14.825 |
| 10/19/2016 10:00:00 AM | 561600.000 | 130.188 | 20.362 |
| 296.739 | 15173.189 | 16648.066 | 9.886 |
| 11320.687 | 65.906 | 1.006 | 14.821 |
| 10/19/2016 10:15:00 AM | 562500.000 | 130.187 | 20.364 |
| 296.737 | 15174.525 | 16648.738 | 9.886 |
| 11321.144 | 65.900 | 1.006 | 14.815 |
| 10/19/2016 10:30:00 AM | 563400.000 | 130.184 | 20.358 |
| 296.729 | 15170.506 | 16646.521 | 9.885 |
| 11319.636 | 65.917 | 1.006 | 14.820 |
| 10/19/2016 10:45:00 AM | 564300.000 | 130.190 | 20.363 |
| 296.742 | 15178.938 | 16653.943 | 9.889 |
| 11324.683 | 65.881 | 1.006 | 14.816 |

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|---|---|---|---|
| 10/19/2016 11:00:00 AM | 565200.000 | 130.194 | 20.367 |
| 296.753 | 15176.471 | 16649.988 | 9.887 |
| 11321.993 | 65.891 | 1.006 | 14.816 |
| 10/19/2016 11:15:00 AM | 566100.000 | 130.200 | 20.364 |
| 296.767 | 15173.480 | 16647.715 | 9.885 |
| 11320.447 | 65.904 | 1.006 | 14.815 |
| 10/19/2016 11:30:00 AM | 567000.000 | 130.203 | 20.367 |
| 296.772 | 15178.772 | 16652.424 | 9.889 |
| 11323.649 | 65.881 | 1.006 | 14.813 |
| 10/19/2016 11:45:00 AM | 567900.000 | 130.210 | 20.366 |
| 296.789 | 15172.197 | 16645.605 | 9.884 |
| 11319.013 | 65.910 | 1.006 | 14.812 |
| 10/19/2016 12:00:00 PM | 568800.000 | 130.217 | 20.359 |
| 296.804 | 15169.543 | 16645.066 | 9.884 |
| 11318.646 | 65.922 | 1.006 | 14.806 |
| 10/19/2016 12:15:00 PM | 569700.000 | 130.222 | 20.362 |
| 296.815 | 15170.979 | 16645.482 | 9.884 |
| 11318.929 | 65.915 | 1.006 | 14.800 |
| 10/19/2016 12:30:00 PM | 570600.000 | 130.242 | 20.365 |
| 296.861 | 15173.889 | 16647.736 | 9.886 |
| 11320.461 | 65.903 | 1.006 | 14.800 |
| 10/19/2016 12:45:00 PM | 571500.000 | 130.247 | 20.363 |
| 296.874 | 15169.905 | 16643.852 | 9.883 |
| 11317.819 | 65.920 | 1.006 | 14.801 |
| 10/19/2016 1:00:00 PM | 572400.000 | 130.262 | 20.351 |
| 296.908 | 15163.766 | 16641.408 | 9.881 |
| 11316.157 | 65.947 | 1.006 | 14.794 |
| 10/19/2016 1:15:00 PM | 573300.000 | 130.259 | 20.367 |
| 296.900 | 15169.432 | 16642.268 | 9.882 |
| 11316.743 | 65.922 | 1.006 | 14.796 |
| 10/19/2016 1:30:00 PM | 574200.000 | 130.268 | 20.368 |
| 296.921 | 15170.192 | 16642.432 | 9.882 |
| 11316.854 | 65.919 | 1.006 | 14.792 |
| 10/19/2016 1:45:00 PM | 575100.000 | 130.287 | 20.360 |
| 296.964 | 15171.538 | 16646.678 | 9.885 |
| 11319.742 | 65.913 | 1.006 | 14.796 |
| 10/19/2016 2:00:00 PM | 576000.000 | 130.289 | 20.355 |
| 296.970 | 15166.816 | 16643.326 | 9.883 |
| 11317.463 | 65.933 | 1.006 | 14.793 |
| 10/19/2016 2:15:00 PM | 576900.000 | 130.288 | 20.360 |
| 296.966 | 15164.558 | 16639.322 | 9.880 |
| 11314.740 | 65.943 | 1.006 | 14.794 |
| 10/19/2016 2:30:00 PM | 577800.000 | 130.297 | 20.360 |
| 296.988 | 15162.593 | 16636.984 | 9.879 |
| 11313.150 | 65.952 | 1.006 | 14.786 |
| 10/19/2016 2:45:00 PM | 578700.000 | 130.307 | 20.359 |
| 297.011 | 15155.917 | 16630.025 | 9.874 |
| 11308.417 | 65.981 | 1.006 | 14.782 |
| 10/19/2016 3:00:00 PM | 579600.000 | 130.315 | 20.366 |
| 297.028 | 15160.319 | 16632.572 | 9.876 |
| 11310.150 | 65.962 | 1.006 | 14.786 |
| 10/19/2016 3:15:00 PM | 580500.000 | 130.319 | 20.360 |
| 297.038 | 15160.274 | 16634.412 | 9.877 |
| 11311.401 | 65.962 | 1.006 | 14.787 |
| 10/19/2016 3:30:00 PM | 581400.000 | 130.322 | 20.356 |

| | | | |
|---|---|---|---|
| 297.044 | 15156.860 | 16632.277 | 9.875 |
| 11309.949 | 65.977 | 1.006 | 14.783 |
| 10/19/2016 3:45:00 PM | 582300.000 | 130.323 | 20.361 |
| 297.046 | 15155.421 | 16628.662 | 9.873 |
| 11307.490 | 65.983 | 1.006 | 14.781 |
| 10/19/2016 4:00:00 PM | 583200.000 | 130.332 | 20.362 |
| 297.068 | 15151.191 | 16623.744 | 9.870 |
| 11304.146 | 66.001 | 1.006 | 14.778 |
| 10/19/2016 4:15:00 PM | 584100.000 | 130.312 | 20.360 |
| 297.022 | 15152.832 | 16626.152 | 9.872 |
| 11305.785 | 65.994 | 1.006 | 14.782 |
| 10/19/2016 4:30:00 PM | 585000.000 | 130.346 | 20.370 |
| 297.098 | 15154.358 | 16624.545 | 9.871 |
| 11304.691 | 65.988 | 1.006 | 14.783 |
| 10/19/2016 4:45:00 PM | 585900.000 | 130.315 | 20.369 |
| 297.028 | 15153.764 | 16624.195 | 9.870 |
| 11304.454 | 65.990 | 1.006 | 14.782 |
| 10/19/2016 5:00:00 PM | 586800.000 | 130.321 | 20.355 |
| 297.041 | 15147.446 | 16622.279 | 9.869 |
| 11303.151 | 66.018 | 1.006 | 14.780 |
| 10/19/2016 5:15:00 PM | 587700.000 | 130.312 | 20.371 |
| 297.021 | 15159.968 | 16630.330 | 9.874 |
| 11308.625 | 65.963 | 1.006 | 14.778 |
| 10/19/2016 5:30:00 PM | 588600.000 | 130.313 | 20.369 |
| 297.023 | 15149.103 | 16619.207 | 9.867 |
| 11301.061 | 66.011 | 1.006 | 14.777 |
| 10/19/2016 5:45:00 PM | 589500.000 | 130.297 | 20.364 |
| 296.988 | 15150.199 | 16622.018 | 9.869 |
| 11302.972 | 66.006 | 1.006 | 14.778 |
| 10/19/2016 6:00:00 PM | 590400.000 | 130.289 | 20.374 |
| 296.969 | 15153.095 | 16621.852 | 9.869 |
| 11302.860 | 65.993 | 1.006 | 14.779 |
| 10/19/2016 6:15:00 PM | 591300.000 | 130.292 | 20.367 |
| 296.975 | 15149.064 | 16619.678 | 9.867 |
| 11301.381 | 66.011 | 1.006 | 14.778 |
| 10/19/2016 6:30:00 PM | 592200.000 | 130.285 | 20.372 |
| 296.961 | 15153.274 | 16622.686 | 9.869 |
| 11303.428 | 65.992 | 1.006 | 14.774 |
| 10/19/2016 6:45:00 PM | 593100.000 | 130.263 | 20.370 |
| 296.909 | 15148.120 | 16617.518 | 9.866 |
| 11299.912 | 66.015 | 1.006 | 14.779 |
| 10/19/2016 7:00:00 PM | 594000.000 | 130.249 | 20.371 |
| 296.878 | 15145.605 | 16614.637 | 9.864 |
| 11297.953 | 66.026 | 1.006 | 14.776 |
| 10/19/2016 7:15:00 PM | 594900.000 | 130.255 | 20.375 |
| 296.892 | 15147.127 | 16614.850 | 9.864 |
| 11298.099 | 66.019 | 1.006 | 14.775 |
| 10/19/2016 7:30:00 PM | 595800.000 | 130.236 | 20.377 |
| 296.847 | 15144.870 | 16611.826 | 9.862 |
| 11296.042 | 66.029 | 1.006 | 14.782 |
| 10/19/2016 7:45:00 PM | 596700.000 | 130.227 | 20.375 |
| 296.828 | 15146.186 | 16613.969 | 9.864 |
| 11297.500 | 66.023 | 1.006 | 14.782 |
| 10/19/2016 8:00:00 PM | 597600.000 | 130.206 | 20.378 |
| 296.780 | 15144.241 | 16610.559 | 9.862 |

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|---|---|---|---|
| 11295.181 | 66.032 | 1.006 | 14.783 |
| 10/19/2016 8:15:00 PM | 598500.000 | 130.195 | 20.382 |
| 296.755 | 15144.539 | 16609.549 | 9.861 |
| 11294.494 | 66.030 | 1.006 | 14.787 |
| 10/19/2016 8:30:00 PM | 599400.000 | 130.194 | 20.384 |
| 296.752 | 15144.531 | 16608.842 | 9.861 |
| 11294.013 | 66.030 | 1.006 | 14.785 |
| 10/19/2016 8:45:00 PM | 600300.000 | 130.181 | 20.387 |
| 296.722 | 15145.126 | 16608.551 | 9.860 |
| 11293.814 | 66.028 | 1.006 | 14.781 |
| 10/19/2016 9:00:00 PM | 601200.000 | 130.202 | 20.388 |
| 296.770 | 15145.271 | 16608.254 | 9.860 |
| 11293.612 | 66.027 | 1.006 | 14.786 |
| 10/19/2016 9:15:00 PM | 602100.000 | 130.159 | 20.398 |
| 296.672 | 15141.399 | 16600.613 | 9.855 |
| 11288.418 | 66.044 | 1.006 | 14.787 |
| 10/19/2016 9:30:00 PM | 603000.000 | 130.141 | 20.402 |
| 296.631 | 15141.437 | 16599.287 | 9.855 |
| 11287.517 | 66.044 | 1.006 | 14.792 |
| 10/19/2016 9:45:00 PM | 603900.000 | 130.143 | 20.408 |
| 296.636 | 15146.746 | 16603.012 | 9.857 |
| 11290.049 | 66.021 | 1.006 | 14.792 |
| 10/19/2016 10:00:00 PM | 604800.000 | 130.135 | 20.389 |
| 296.617 | 15147.065 | 16609.951 | 9.861 |
| 11294.768 | 66.019 | 1.006 | 14.790 |
| 10/19/2016 10:15:00 PM | 605700.000 | 130.125 | 20.364 |
| 296.595 | 15138.974 | 16609.643 | 9.861 |
| 11294.558 | 66.055 | 1.006 | 14.794 |
| 10/19/2016 10:30:00 PM | 606600.000 | 130.144 | 20.338 |
| 296.638 | 15109.569 | 16586.545 | 9.846 |
| 11278.852 | 66.183 | 1.006 | 14.790 |
| 10/19/2016 10:45:00 PM | 607500.000 | 130.146 | 20.327 |
| 296.643 | 15093.681 | 16572.770 | 9.837 |
| 11269.483 | 66.253 | 1.006 | 14.786 |
| 10/19/2016 11:00:00 PM | 608400.000 | 130.134 | 20.331 |
| 296.614 | 15087.575 | 16564.945 | 9.832 |
| 11264.164 | 66.280 | 1.006 | 14.794 |
| 10/19/2016 11:15:00 PM | 609300.000 | 130.143 | 20.337 |
| 296.635 | 15084.244 | 16559.104 | 9.828 |
| 11260.191 | 66.294 | 1.006 | 14.793 |
| 10/19/2016 11:30:00 PM | 610200.000 | 130.109 | 20.340 |
| 296.558 | 15091.801 | 16566.342 | 9.833 |
| 11265.113 | 66.261 | 1.006 | 14.792 |
| 10/19/2016 11:45:00 PM | 611100.000 | 130.147 | 20.342 |
| 296.644 | 15087.768 | 16561.064 | 9.830 |
| 11261.525 | 66.279 | 1.006 | 14.790 |

Report Date: 10/21/2016 8:26:08 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-8M_2016-10-20_16-53-28-254.wsl
Create Date: 10/20/2016 4:50:36 PM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-8
Device Name:
Serial Number: 410757
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 53
Used Battery(%): 26

Log Configuration
Log Name: MPWSP MW-8M
Created By: SKuiper
Computer Name: PROBOOK8
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 10/6/2016 2:10:11 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 10/6/2016 2:15:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: 1.13878 (ft)
Head Pressure: 0.505539 (PSI)
Temperature: 24.0403 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

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Log Notes:

| Date and Time | Note |
|---|---|
| 10/6/2016 2:10:19 PM | Sensor SN: 410757 Factory calibration has expired.: 5/2/2016 9:32:07 AM |
| 10/6/2016 2:10:20 PM | Used Battery: 26% Used Memory: 56% User Name: SKuiper |
| 10/6/2016 2:32:25 PM | Log Download - Used Battery: 26% Used Memory: 56% User Name: SKuiper Interval - Start Time: 10/6/2016 2:15:00 PM Stop Time: 10/6/2016 3:15:00 PM |
| 10/7/2016 5:01:15 PM | Log Download - Used Battery: 26% Used Memory: 56% User Name: SKuiper Interval - Start Time: 10/6/2016 2:15:00 PM Stop Time: 10/7/2016 5:45:00 PM |
| 10/13/2016 4:28:34 PM | Log Download - Used Battery: 27% Used Memory: 56% User Name: SKuiper Interval - Start Time: 10/5/2016 2:15:00 PM Stop Time: 10/13/2016 4:15:00 PM |
| 10/20/2016 4:49:57 PM | Log Download - Used Battery: 27% Used Memory: 57% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 4:30:00 PM |

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Log Data:
Record Count: 746
Sensors: 1
1 - 410757: PCTD 100 PSIG (70m/231ft)
Time Zone: Pacific Daylight Time

| | | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft |
|---|---|---|---|---|---|---|---|---|---|
| | Elapsed Time | SN#: 410757 | SN#: 410757 | SN#: 410757 | SN#: 410757 | SN#: 410757 | SN#: 410757 | SN#: 410757 | SN#: 410757 |
| Date and Time | Seconds | Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppt) | Resistivity (ohm-cm) | Water Density (g/cm3) |
| 10/13/2016 12:00:00 AM | 7200.000 | 69.747 | 17.339 | 157.111 | 39679.281 | 46480.074 | 30.358 | 31.606 | 25.202 | 1.022 |
| 10/13/2016 12:15:00 AM | 8100.000 | 69.745 | 17.345 | 157.108 | 39809.656 | 46626.574 | 30.465 | 31.706 | 25.120 | 1.022 |
| 10/13/2016 12:30:00 AM | 9000.000 | 69.739 | 17.341 | 157.094 | 39726.531 | 46534.230 | 30.398 | 31.643 | 25.172 | 1.022 |
| 10/13/2016 12:45:00 AM | 9900.000 | 69.736 | 17.341 | 157.087 | 39753.254 | 46565.164 | 30.420 | 31.664 | 25.155 | 1.022 |

10/13/2016 1:00:00 AM 10800.000 69.722 17.343
157.056 39738.926 46546.465 30.407
31.652 25.164 1.022
10/13/2016 1:15:00 AM 11700.000 69.714 17.337
157.037 39702.492 46509.523 30.380
31.626 25.187 1.022
10/13/2016 1:30:00 AM 12600.000 69.696 17.343
156.997 39754.398 46564.590 30.420
31.664 25.154 1.022
10/13/2016 1:45:00 AM 13500.000 69.703 17.344
157.012 39789.855 46604.754 30.449
31.691 25.132 1.022
10/13/2016 2:00:00 AM 14400.000 69.679 17.348
156.959 39778.836 46587.832 30.437
31.680 25.139 1.022
10/13/2016 2:15:00 AM 15300.000 69.670 17.341
156.939 39733.301 46541.523 30.403
31.648 25.168 1.022
10/13/2016 2:30:00 AM 16200.000 69.681 17.340
156.964 39814.902 46638.477 30.474
31.714 25.116 1.022
10/13/2016 2:45:00 AM 17100.000 69.674 17.346
156.946 39758.145 46565.426 30.421
31.664 25.152 1.022
10/13/2016 3:00:00 AM 18000.000 69.667 17.334
156.931 39746.293 46564.133 30.419
31.664 25.160 1.022
10/13/2016 3:15:00 AM 18900.000 69.657 17.340
156.909 39746.727 46558.520 30.415
31.660 25.159 1.022
10/13/2016 3:30:00 AM 19800.000 69.655 17.344
156.905 39759.301 46569.156 30.423
31.667 25.151 1.022
10/13/2016 3:45:00 AM 20700.000 69.655 17.338
156.904 39677.340 46478.973 30.357
31.606 25.203 1.022
10/13/2016 4:00:00 AM 21600.000 69.650 17.340
156.894 39743.625 46554.617 30.413
31.657 25.161 1.022
10/13/2016 4:15:00 AM 22500.000 69.645 17.345
156.882 39709.859 46510.055 30.380
31.627 25.183 1.022
10/13/2016 4:30:00 AM 23400.000 69.641 17.340
156.874 39732.016 46541.750 30.403
31.648 25.169 1.022
10/13/2016 4:45:00 AM 24300.000 69.628 17.339
156.843 39687.898 46490.711 30.366
31.614 25.197 1.022
10/13/2016 5:00:00 AM 25200.000 69.639 17.337
156.868 39758.176 46574.676 30.427
31.671 25.152 1.022
10/13/2016 5:15:00 AM 26100.000 69.641 17.336
156.873 39733.113 46546.953 30.407
31.652 25.168 1.022
10/13/2016 5:30:00 AM 27000.000 69.642 17.340

| | | | |
|---|---|---|---|
| 156.875 | 39713.059 | 46519.082 | 30.387 |
| 31.633 | 25.181 | 1.022 | |
| 10/13/2016 5:45:00 AM | 27900.000 | 69.632 | 17.343 |
| 156.854 | 39724.164 | 46528.730 | 30.394 |
| 31.640 | 25.174 | 1.022 | |
| 10/13/2016 6:00:00 AM | 28800.000 | 69.646 | 17.344 |
| 156.884 | 39698.637 | 46497.824 | 30.371 |
| 31.619 | 25.190 | 1.022 | |
| 10/13/2016 6:15:00 AM | 29700.000 | 69.651 | 17.334 |
| 156.895 | 39677.340 | 46483.066 | 30.360 |
| 31.608 | 25.203 | 1.022 | |
| 10/13/2016 6:30:00 AM | 30600.000 | 69.653 | 17.340 |
| 156.901 | 39738.715 | 46549.598 | 30.409 |
| 31.654 | 25.164 | 1.022 | |
| 10/13/2016 6:45:00 AM | 31500.000 | 69.658 | 17.345 |
| 156.912 | 39775.531 | 46587.234 | 30.437 |
| 31.679 | 25.141 | 1.022 | |
| 10/13/2016 7:00:00 AM | 32400.000 | 69.667 | 17.344 |
| 156.932 | 39714.027 | 46516.391 | 30.385 |
| 31.631 | 25.180 | 1.022 | |
| 10/13/2016 7:15:00 AM | 33300.000 | 69.674 | 17.338 |
| 156.947 | 39744.613 | 46558.422 | 30.415 |
| 31.660 | 25.161 | 1.022 | |
| 10/13/2016 7:30:00 AM | 34200.000 | 69.679 | 17.339 |
| 156.958 | 39669.430 | 46469.340 | 30.350 |
| 31.599 | 25.208 | 1.022 | |
| 10/13/2016 7:45:00 AM | 35100.000 | 69.690 | 17.341 |
| 156.983 | 39714.703 | 46519.824 | 30.387 |
| 31.633 | 25.180 | 1.022 | |
| 10/13/2016 8:00:00 AM | 36000.000 | 69.697 | 17.336 |
| 156.998 | 39620.832 | 46415.156 | 30.311 |
| 31.562 | 25.239 | 1.022 | |
| 10/13/2016 8:15:00 AM | 36900.000 | 69.693 | 17.345 |
| 156.990 | 39698.781 | 46497.625 | 30.371 |
| 31.618 | 25.190 | 1.022 | |
| 10/13/2016 8:30:00 AM | 37800.000 | 69.693 | 17.339 |
| 156.990 | 39686.609 | 46489.016 | 30.365 |
| 31.613 | 25.197 | 1.022 | |
| 10/13/2016 8:45:00 AM | 38700.000 | 69.719 | 17.339 |
| 157.049 | 39731.340 | 46541.133 | 30.403 |
| 31.648 | 25.169 | 1.022 | |
| 10/13/2016 9:00:00 AM | 39600.000 | 69.712 | 17.338 |
| 157.032 | 39629.414 | 46423.473 | 30.317 |
| 31.568 | 25.234 | 1.022 | |
| 10/13/2016 9:15:00 AM | 40500.000 | 69.730 | 17.344 |
| 157.074 | 39672.828 | 46467.328 | 30.349 |
| 31.598 | 25.206 | 1.022 | |
| 10/13/2016 9:30:00 AM | 41400.000 | 69.734 | 17.338 |
| 157.083 | 39714.934 | 46523.012 | 30.389 |
| 31.636 | 25.179 | 1.022 | |
| 10/13/2016 9:45:00 AM | 42300.000 | 69.741 | 17.340 |
| 157.099 | 39671.598 | 46470.707 | 30.352 |
| 31.600 | 25.207 | 1.022 | |
| 10/13/2016 10:00:00 AM | 43200.000 | 69.750 | 17.338 |
| 157.118 | 39699.715 | 46505.461 | 30.377 |

| | | | |
|---|---|---|---|
| 31.624 | 25.189 | 1.022 | |
| 10/13/2016 10:15:00 AM | 44100.000 | 69.753 | 17.339 |
| 157.126 | 39637.707 | 46432.098 | 30.323 |
| 31.574 | 25.229 | 1.022 | |
| 10/13/2016 10:30:00 AM | 45000.000 | 69.756 | 17.342 |
| 157.133 | 39700.297 | 46501.680 | 30.374 |
| 31.621 | 25.189 | 1.022 | |
| 10/13/2016 10:45:00 AM | 45900.000 | 69.763 | 17.344 |
| 157.148 | 39606.148 | 46389.672 | 30.293 |
| 31.545 | 25.249 | 1.022 | |
| 10/13/2016 11:00:00 AM | 46800.000 | 69.767 | 17.341 |
| 157.156 | 39702.188 | 46505.445 | 30.377 |
| 31.624 | 25.188 | 1.022 | |
| 10/13/2016 11:15:00 AM | 47700.000 | 69.770 | 17.340 |
| 157.165 | 39664.906 | 46462.676 | 30.346 |
| 31.595 | 25.211 | 1.022 | |
| 10/13/2016 11:30:00 AM | 48600.000 | 69.758 | 17.344 |
| 157.136 | 39691.684 | 46490.039 | 30.366 |
| 31.613 | 25.194 | 1.022 | |
| 10/13/2016 11:45:00 AM | 49500.000 | 69.774 | 17.345 |
| 157.173 | 39671.980 | 46465.949 | 30.348 |
| 31.597 | 25.207 | 1.022 | |
| 10/13/2016 12:00:00 PM | 50400.000 | 69.772 | 17.338 |
| 157.168 | 39627.066 | 46420.359 | 30.315 |
| 31.566 | 25.235 | 1.022 | |
| 10/13/2016 12:15:00 PM | 51300.000 | 69.772 | 17.342 |
| 157.169 | 39632.871 | 46422.785 | 30.317 |
| 31.567 | 25.232 | 1.022 | |
| 10/13/2016 12:30:00 PM | 52200.000 | 69.770 | 17.334 |
| 157.165 | 39687.727 | 46495.785 | 30.369 |
| 31.617 | 25.197 | 1.022 | |
| 10/13/2016 12:45:00 PM | 53100.000 | 69.767 | 17.338 |
| 157.156 | 39599.594 | 46387.898 | 30.291 |
| 31.544 | 25.253 | 1.022 | |
| 10/13/2016 1:00:00 PM | 54000.000 | 69.765 | 17.338 |
| 157.153 | 39702.500 | 46508.543 | 30.379 |
| 31.626 | 25.187 | 1.022 | |
| 10/13/2016 1:15:00 PM | 54900.000 | 69.764 | 17.339 |
| 157.151 | 39693.543 | 46496.953 | 30.371 |
| 31.618 | 25.193 | 1.022 | |
| 10/13/2016 1:30:00 PM | 55800.000 | 69.746 | 17.339 |
| 157.110 | 39666.738 | 46466.371 | 30.348 |
| 31.597 | 25.210 | 1.022 | |
| 10/13/2016 1:45:00 PM | 56700.000 | 69.752 | 17.338 |
| 157.124 | 39683.496 | 46487.008 | 30.363 |
| 31.611 | 25.199 | 1.022 | |
| 10/13/2016 2:00:00 PM | 57600.000 | 69.747 | 17.344 |
| 157.113 | 39643.535 | 46433.016 | 30.324 |
| 31.574 | 25.225 | 1.022 | |
| 10/13/2016 2:15:00 PM | 58500.000 | 69.744 | 17.338 |
| 157.106 | 39650.926 | 46448.672 | 30.335 |
| 31.585 | 25.220 | 1.022 | |
| 10/13/2016 2:30:00 PM | 59400.000 | 69.735 | 17.336 |
| 157.084 | 39638.355 | 46435.309 | 30.326 |
| 31.576 | 25.228 | 1.022 | |

10/13/2016 2:45:00 PM 60300.000 69.734 17.338
157.083 39640.012 46436.070 30.326
31.577 25.227 1.022
10/13/2016 3:00:00 PM 61200.000 69.712 17.339
157.033 39635.918 46429.535 30.322
31.572 25.230 1.022
10/13/2016 3:15:00 PM 62100.000 69.713 17.339
157.035 39700.633 46506.074 30.377
31.624 25.189 1.022
10/13/2016 3:30:00 PM 63000.000 69.700 17.340
157.007 39627.453 46418.621 30.314
31.565 25.235 1.022
10/13/2016 3:45:00 PM 63900.000 69.712 17.343
157.032 39663.672 46457.590 30.342
31.591 25.212 1.022
10/13/2016 4:00:00 PM 64800.000 69.694 17.338
156.994 39599.230 46387.473 30.291
31.543 25.253 1.022
10/13/2016 4:15:00 PM 65700.000 69.707 17.339
157.021 39618.012 46408.660 30.306
31.558 25.241 1.022
10/13/2016 4:30:00 PM 66600.000 69.707 17.337
157.021 39678.516 46481.992 30.360
31.608 25.203 1.022
10/13/2016 4:45:00 PM 67500.000 69.697 17.337
156.999 39697.871 46503.926 30.376
31.623 25.190 1.022
10/13/2016 5:00:00 PM 68400.000 69.698 17.340
157.002 39714.227 46520.824 30.388
31.634 25.180 1.022
10/13/2016 5:15:00 PM 69300.000 69.704 17.335
157.016 39688.277 46494.879 30.369
31.617 25.196 1.022
10/13/2016 5:30:00 PM 70200.000 69.702 17.333
157.010 39726.676 46541.875 30.403
31.648 25.172 1.022
10/13/2016 5:45:00 PM 71100.000 69.704 17.340
157.015 39749.895 46562.230 30.418
31.662 25.157 1.022
10/13/2016 6:00:00 PM 72000.000 69.704 17.338
157.015 39743.203 46556.770 30.414
31.659 25.162 1.022
10/13/2016 6:15:00 PM 72900.000 69.695 17.334
156.994 39702.043 46512.199 30.381
31.628 25.188 1.022
10/13/2016 6:30:00 PM 73800.000 69.716 17.338
157.042 39613.523 46404.586 30.303
31.555 25.244 1.022
10/13/2016 6:45:00 PM 74700.000 69.719 17.339
157.049 39674.629 46474.883 30.355
31.603 25.205 1.022
10/13/2016 7:00:00 PM 75600.000 69.719 17.337
157.049 39684.984 46488.934 30.365
31.612 25.198 1.022
10/13/2016 7:15:00 PM 76500.000 69.712 17.341

157.033 39714.492 46519.578 30.387
31.633 25.180 1.022
10/13/2016 7:30:00 PM 77400.000 69.731 17.342
157.076 39663.090 46458.828 30.343
31.592 25.212 1.022
10/13/2016 7:45:00 PM 78300.000 69.737 17.338
157.088 39589.230 46376.035 30.283
31.536 25.259 1.022
10/13/2016 8:00:00 PM 79200.000 69.742 17.335
157.101 39683.184 46488.914 30.364
31.612 25.200 1.022
10/13/2016 8:15:00 PM 80100.000 69.739 17.334
157.093 39707.457 46518.453 30.386
31.633 25.184 1.022
10/13/2016 8:30:00 PM 81000.000 69.757 17.339
157.135 39594.254 46381.098 30.286
31.539 25.256 1.022
10/13/2016 8:45:00 PM 81900.000 69.766 17.343
157.154 39660.512 46454.805 30.340
31.589 25.214 1.022
10/13/2016 9:00:00 PM 82800.000 69.759 17.337
157.138 39636.352 46432.234 30.323
31.574 25.229 1.022
10/13/2016 9:15:00 PM 83700.000 69.779 17.337
157.184 39663.535 46464.078 30.347
31.596 25.212 1.022
10/13/2016 9:30:00 PM 84600.000 69.790 17.333
157.210 39697.070 46507.918 30.378
31.625 25.191 1.022
10/13/2016 9:45:00 PM 85500.000 69.791 17.336
157.211 39666.871 46469.531 30.350
31.599 25.210 1.022
10/13/2016 10:00:00 PM 86400.000 69.781 17.334
157.188 39638.207 46437.141 30.327
31.577 25.228 1.022
10/13/2016 10:15:00 PM 87300.000 69.802 17.336
157.235 39658.148 46458.871 30.343
31.592 25.215 1.022
10/13/2016 10:30:00 PM 88200.000 69.803 17.336
157.238 39661.684 46463.273 30.346
31.595 25.213 1.022
10/13/2016 10:45:00 PM 89100.000 69.809 17.337
157.251 39581.461 46368.469 30.277
31.531 25.264 1.022
10/13/2016 11:00:00 PM 90000.000 69.810 17.338
157.253 39582.723 46368.676 30.277
31.531 25.264 1.022
10/13/2016 11:15:00 PM 90900.000 69.810 17.334
157.254 39659.484 46462.340 30.345
31.594 25.215 1.022
10/13/2016 11:30:00 PM 91800.000 69.797 17.337
157.225 39650.480 46448.594 30.335
31.585 25.220 1.022
10/13/2016 11:45:00 PM 92700.000 69.810 17.336
157.255 39605.164 46396.516 30.297

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|---|---|---|---|
| 31.550 | 25.249 | 1.022 | |
| 10/14/2016 12:00:00 AM | 93600.000 | 69.811 | 17.337 |
| 157.257 | 39605.520 | 46395.922 | 30.297 |
| 31.549 | 25.249 | 1.022 | |
| 10/14/2016 12:15:00 AM | 94500.000 | 69.794 | 17.334 |
| 157.218 | 39556.961 | 46342.406 | 30.258 |
| 31.513 | 25.280 | 1.022 | |
| 10/14/2016 12:30:00 AM | 95400.000 | 69.793 | 17.336 |
| 157.214 | 39611.898 | 46404.586 | 30.303 |
| 31.555 | 25.245 | 1.022 | |
| 10/14/2016 12:45:00 AM | 96300.000 | 69.801 | 17.336 |
| 157.232 | 39611.707 | 46404.465 | 30.303 |
| 31.555 | 25.245 | 1.022 | |
| 10/14/2016 1:00:00 AM | 97200.000 | 69.797 | 17.338 |
| 157.226 | 39556.207 | 46337.258 | 30.254 |
| 31.509 | 25.280 | 1.022 | |
| 10/14/2016 1:15:00 AM | 98100.000 | 69.793 | 17.336 |
| 157.217 | 39657.953 | 46458.641 | 30.343 |
| 31.592 | 25.216 | 1.022 | |
| 10/14/2016 1:30:00 AM | 99000.000 | 69.787 | 17.342 |
| 157.201 | 39632.063 | 46422.484 | 30.317 |
| 31.567 | 25.232 | 1.022 | |
| 10/14/2016 1:45:00 AM | 99900.000 | 69.771 | 17.339 |
| 157.167 | 39550.973 | 46330.316 | 30.249 |
| 31.505 | 25.284 | 1.022 | |
| 10/14/2016 2:00:00 AM | 100800.000 | 69.777 | 17.340 |
| 157.181 | 39593.516 | 46379.512 | 30.285 |
| 31.538 | 25.257 | 1.022 | |
| 10/14/2016 2:15:00 AM | 101700.000 | 69.769 | 17.336 |
| 157.161 | 39588.191 | 46377.258 | 30.283 |
| 31.537 | 25.260 | 1.022 | |
| 10/14/2016 2:30:00 AM | 102600.000 | 69.761 | 17.339 |
| 157.143 | 39545.629 | 46323.590 | 30.245 |
| 31.500 | 25.287 | 1.022 | |
| 10/14/2016 2:45:00 AM | 103500.000 | 69.755 | 17.331 |
| 157.130 | 39514.559 | 46296.184 | 30.224 |
| 31.481 | 25.307 | 1.022 | |
| 10/14/2016 3:00:00 AM | 104400.000 | 69.751 | 17.340 |
| 157.120 | 39571.898 | 46354.188 | 30.267 |
| 31.521 | 25.270 | 1.022 | |
| 10/14/2016 3:15:00 AM | 105300.000 | 69.729 | 17.335 |
| 157.072 | 39546.898 | 46329.980 | 30.249 |
| 31.504 | 25.286 | 1.022 | |
| 10/14/2016 3:30:00 AM | 106200.000 | 69.721 | 17.340 |
| 157.053 | 39554.906 | 46333.922 | 30.252 |
| 31.507 | 25.281 | 1.022 | |
| 10/14/2016 3:45:00 AM | 107100.000 | 69.732 | 17.338 |
| 157.078 | 39533.992 | 46311.508 | 30.236 |
| 31.492 | 25.295 | 1.022 | |
| 10/14/2016 4:00:00 AM | 108000.000 | 69.728 | 17.336 |
| 157.069 | 39583.500 | 46371.230 | 30.279 |
| 31.532 | 25.263 | 1.022 | |
| 10/14/2016 4:15:00 AM | 108900.000 | 69.724 | 17.340 |
| 157.059 | 39582.633 | 46366.398 | 30.276 |
| 31.529 | 25.264 | 1.022 | |

10/14/2016 4:30:00 AM 109800.000 69.720 17.336
157.051 39509.656 46284.629 30.216
31.474 25.310 1.022
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157.049 39542.953 46324.633 30.245
31.501 25.289 1.022
10/14/2016 5:00:00 AM 111600.000 69.703 17.338
157.012 39577.730 46363.109 30.273
31.527 25.267 1.022
10/14/2016 5:15:00 AM 112500.000 69.715 17.339
157.039 39524.375 46298.973 30.227
31.483 25.301 1.022
10/14/2016 5:30:00 AM 113400.000 69.700 17.336
157.005 39540.781 46321.004 30.242
31.498 25.290 1.022
10/14/2016 5:45:00 AM 114300.000 69.696 17.342
156.998 39545.461 46321.047 30.243
31.498 25.287 1.022
10/14/2016 6:00:00 AM 115200.000 69.717 17.339
157.045 39575.328 46359.289 30.270
31.524 25.268 1.022
10/14/2016 6:15:00 AM 116100.000 69.716 17.340
157.041 39537.898 46313.723 30.237
31.493 25.292 1.022
10/14/2016 6:30:00 AM 117000.000 69.721 17.336
157.053 39564.422 46349.602 30.263
31.518 25.275 1.022
10/14/2016 6:45:00 AM 117900.000 69.726 17.340
157.065 39611.535 46400.074 30.300
31.552 25.245 1.022
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157.040 39543.023 46318.371 30.241
31.496 25.289 1.022
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157.098 39484.906 46259.352 30.197
31.456 25.326 1.022
10/14/2016 7:30:00 AM 120600.000 69.745 17.335
157.108 39543.902 46326.559 30.246
31.502 25.288 1.022
10/14/2016 7:45:00 AM 121500.000 69.751 17.339
157.121 39541.113 46318.664 30.241
31.497 25.290 1.022
10/14/2016 8:00:00 AM 122400.000 69.760 17.336
157.141 39482.117 46252.551 30.193
31.452 25.328 1.022
10/14/2016 8:15:00 AM 123300.000 69.766 17.333
157.154 39514.035 46292.754 30.222
31.479 25.307 1.022
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157.168 39480.238 46251.160 30.192
31.451 25.329 1.022
10/14/2016 8:45:00 AM 125100.000 69.786 17.335
157.199 39512.887 46289.957 30.220
31.477 25.308 1.022
10/14/2016 9:00:00 AM 126000.000 69.790 17.339

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|---|---|---|---|
| 157.208 | 39432.457 | 46191.301 | 30.148 |
| 31.410 | 25.360 | 1.022 | |
| 10/14/2016 9:15:00 AM | 126900.000 | 69.784 | 17.335 |
| 157.194 | 39509.246 | 46285.059 | 30.216 |
| 31.474 | 25.311 | 1.022 | |
| 10/14/2016 9:30:00 AM | 127800.000 | 69.794 | 17.334 |
| 157.218 | 39437.813 | 46202.816 | 30.156 |
| 31.418 | 25.356 | 1.022 | |
| 10/14/2016 9:45:00 AM | 128700.000 | 69.800 | 17.338 |
| 157.232 | 39498.547 | 46270.066 | 30.206 |
| 31.464 | 25.317 | 1.022 | |
| 10/14/2016 10:00:00 AM | 129600.000 | 69.827 | 17.333 |
| 157.293 | 39469.043 | 46240.855 | 30.184 |
| 31.444 | 25.336 | 1.022 | |
| 10/14/2016 10:15:00 AM | 130500.000 | 69.834 | 17.333 |
| 157.308 | 39430.996 | 46195.910 | 30.151 |
| 31.413 | 25.361 | 1.022 | |
| 10/14/2016 10:30:00 AM | 131400.000 | 69.844 | 17.340 |
| 157.330 | 39511.992 | 46283.832 | 30.216 |
| 31.473 | 25.309 | 1.022 | |
| 10/14/2016 10:45:00 AM | 132300.000 | 69.847 | 17.332 |
| 157.337 | 39446.898 | 46215.906 | 30.166 |
| 31.427 | 25.351 | 1.022 | |
| 10/14/2016 11:00:00 AM | 133200.000 | 69.854 | 17.340 |
| 157.353 | 39528.773 | 46303.586 | 30.230 |
| 31.486 | 25.298 | 1.022 | |
| 10/14/2016 11:15:00 AM | 134100.000 | 69.865 | 17.335 |
| 157.377 | 39497.938 | 46272.086 | 30.207 |
| 31.465 | 25.318 | 1.022 | |
| 10/14/2016 11:30:00 AM | 135000.000 | 69.865 | 17.339 |
| 157.378 | 39470.645 | 46236.117 | 30.181 |
| 31.441 | 25.335 | 1.022 | |
| 10/14/2016 11:45:00 AM | 135900.000 | 69.870 | 17.338 |
| 157.390 | 39449.156 | 46212.313 | 30.164 |
| 31.424 | 25.349 | 1.022 | |
| 10/14/2016 12:00:00 PM | 136800.000 | 69.877 | 17.332 |
| 157.404 | 39440.484 | 46208.031 | 30.160 |
| 31.421 | 25.355 | 1.022 | |
| 10/14/2016 12:15:00 PM | 137700.000 | 69.862 | 17.335 |
| 157.372 | 39493.535 | 46267.371 | 30.203 |
| 31.462 | 25.321 | 1.022 | |
| 10/14/2016 12:30:00 PM | 138600.000 | 69.862 | 17.335 |
| 157.371 | 39405.945 | 46164.672 | 30.129 |
| 31.392 | 25.377 | 1.022 | |
| 10/14/2016 12:45:00 PM | 139500.000 | 69.861 | 17.338 |
| 157.369 | 39437.688 | 46199.059 | 30.154 |
| 31.415 | 25.356 | 1.022 | |
| 10/14/2016 1:00:00 PM | 140400.000 | 69.872 | 17.340 |
| 157.394 | 39435.563 | 46194.219 | 30.151 |
| 31.412 | 25.358 | 1.022 | |
| 10/14/2016 1:15:00 PM | 141300.000 | 69.874 | 17.333 |
| 157.398 | 39453.938 | 46222.789 | 30.171 |
| 31.431 | 25.346 | 1.022 | |
| 10/14/2016 1:30:00 PM | 142200.000 | 69.856 | 17.336 |
| 157.357 | 39475.055 | 46243.910 | 30.186 |

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|---|---|---|---|
| 31.446 | 25.332 | 1.022 | |
| 10/14/2016 1:45:00 PM | 143100.000 | 69.866 | 17.342 |
| 157.381 | 39489.219 | 46254.441 | 30.194 |
| 31.453 | 25.323 | 1.022 | |
| 10/14/2016 2:00:00 PM | 144000.000 | 69.860 | 17.335 |
| 157.367 | 39440.250 | 46205.129 | 30.158 |
| 31.419 | 25.355 | 1.022 | |
| 10/14/2016 2:15:00 PM | 144900.000 | 69.856 | 17.338 |
| 157.358 | 39538.344 | 46316.246 | 30.239 |
| 31.495 | 25.292 | 1.022 | |
| 10/14/2016 2:30:00 PM | 145800.000 | 69.839 | 17.334 |
| 157.318 | 39380.613 | 46135.891 | 30.108 |
| 31.372 | 25.393 | 1.022 | |
| 10/14/2016 2:45:00 PM | 146700.000 | 69.834 | 17.335 |
| 157.308 | 39428.227 | 46190.145 | 30.147 |
| 31.409 | 25.363 | 1.022 | |
| 10/14/2016 3:00:00 PM | 147600.000 | 69.841 | 17.340 |
| 157.323 | 39443.961 | 46203.598 | 30.157 |
| 31.418 | 25.352 | 1.022 | |
| 10/14/2016 3:15:00 PM | 148500.000 | 69.834 | 17.338 |
| 157.307 | 39432.094 | 46191.688 | 30.149 |
| 31.410 | 25.360 | 1.022 | |
| 10/14/2016 3:30:00 PM | 149400.000 | 69.829 | 17.334 |
| 157.298 | 39426.488 | 46189.551 | 30.147 |
| 31.409 | 25.364 | 1.022 | |
| 10/14/2016 3:45:00 PM | 150300.000 | 69.810 | 17.337 |
| 157.253 | 39450.016 | 46213.578 | 30.164 |
| 31.425 | 25.349 | 1.022 | |
| 10/14/2016 4:00:00 PM | 151200.000 | 69.802 | 17.339 |
| 157.236 | 39437.027 | 46196.555 | 30.152 |
| 31.414 | 25.357 | 1.022 | |
| 10/14/2016 4:15:00 PM | 152100.000 | 69.811 | 17.337 |
| 157.256 | 39433.309 | 46194.289 | 30.150 |
| 31.412 | 25.359 | 1.022 | |
| 10/14/2016 4:30:00 PM | 153000.000 | 69.808 | 17.338 |
| 157.250 | 39429.699 | 46189.156 | 30.147 |
| 31.409 | 25.362 | 1.022 | |
| 10/14/2016 4:45:00 PM | 153900.000 | 69.791 | 17.341 |
| 157.210 | 39435.578 | 46193.512 | 30.150 |
| 31.412 | 25.358 | 1.022 | |
| 10/14/2016 5:00:00 PM | 154800.000 | 69.789 | 17.338 |
| 157.206 | 39374.078 | 46124.180 | 30.100 |
| 31.364 | 25.397 | 1.022 | |
| 10/14/2016 5:15:00 PM | 155700.000 | 69.799 | 17.341 |
| 157.228 | 39363.684 | 46108.305 | 30.088 |
| 31.354 | 25.404 | 1.022 | |
| 10/14/2016 5:30:00 PM | 156600.000 | 69.784 | 17.337 |
| 157.196 | 39444.777 | 46207.543 | 30.160 |
| 31.421 | 25.352 | 1.022 | |
| 10/14/2016 5:45:00 PM | 157500.000 | 69.797 | 17.339 |
| 157.226 | 39412.215 | 46167.309 | 30.131 |
| 31.394 | 25.373 | 1.022 | |
| 10/14/2016 6:00:00 PM | 158400.000 | 69.797 | 17.336 |
| 157.224 | 39347.289 | 46094.781 | 30.078 |
| 31.344 | 25.415 | 1.022 | |

10/14/2016 6:15:00 PM 159300.000 69.796 17.335
157.222 39379.395 46133.652 30.106
31.371 25.394 1.022
10/14/2016 6:30:00 PM 160200.000 69.799 17.335
157.228 39369.551 46121.492 30.097
31.363 25.400 1.022
10/14/2016 6:45:00 PM 161100.000 69.802 17.335
157.236 39441.859 46206.926 30.159
31.421 25.354 1.022
10/14/2016 7:00:00 PM 162000.000 69.806 17.332
157.245 39379.801 46136.840 30.108
31.373 25.394 1.022
10/14/2016 7:15:00 PM 162900.000 69.809 17.336
157.251 39453.449 46219.242 30.168
31.429 25.346 1.022
10/14/2016 7:30:00 PM 163800.000 69.813 17.335
157.260 39399.531 46157.063 30.123
31.387 25.381 1.022
10/14/2016 7:45:00 PM 164700.000 69.822 17.333
157.282 39380.039 46135.773 30.108
31.372 25.394 1.022
10/14/2016 8:00:00 PM 165600.000 69.831 17.339
157.301 39404.867 46159.168 30.125
31.388 25.378 1.022
10/14/2016 8:15:00 PM 166500.000 69.832 17.336
157.303 39396.063 46152.102 30.120
31.383 25.383 1.022
10/14/2016 8:30:00 PM 167400.000 69.846 17.337
157.334 39382.566 46135.207 30.107
31.372 25.392 1.022
10/14/2016 8:45:00 PM 168300.000 69.849 17.335
157.341 39342.828 46090.996 30.075
31.342 25.418 1.022
10/14/2016 9:00:00 PM 169200.000 69.855 17.334
157.355 39271.715 46007.785 30.015
31.285 25.464 1.022
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157.379 39300.758 46039.191 30.038
31.307 25.445 1.022
10/14/2016 9:30:00 PM 171000.000 69.860 17.337
157.366 39434.281 46195.328 30.151
31.413 25.359 1.022
10/14/2016 9:45:00 PM 171900.000 69.884 17.338
157.420 39411.148 46167.332 30.131
31.394 25.374 1.022
10/14/2016 10:00:00 PM 172800.000 69.893 17.338
157.441 39377.758 46128.215 30.102
31.367 25.395 1.022
10/14/2016 10:15:00 PM 173700.000 69.894 17.338
157.443 39303.910 46041.434 30.039
31.308 25.443 1.022
10/14/2016 10:30:00 PM 174600.000 69.890 17.332
157.433 39349.898 46102.262 30.083
31.350 25.413 1.022
10/14/2016 10:45:00 PM 175500.000 69.907 17.337

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|---|---|---|---|
| 157.473 | 39366.688 | 46116.066 | 30.094 |
| 31.359 | 25.402 | 1.022 | |
| 10/14/2016 11:00:00 PM | 176400.000 | 69.902 | 17.335 |
| 157.461 | 39293.668 | 46033.043 | 30.033 |
| 31.302 | 25.449 | 1.022 | |
| 10/14/2016 11:15:00 PM | 177300.000 | 69.919 | 17.339 |
| 157.500 | 39259.770 | 45989.461 | 30.002 |
| 31.273 | 25.471 | 1.022 | |
| 10/14/2016 11:30:00 PM | 178200.000 | 69.907 | 17.334 |
| 157.473 | 39335.715 | 46082.762 | 30.069 |
| 31.336 | 25.422 | 1.022 | |
| 10/14/2016 11:45:00 PM | 179100.000 | 69.925 | 17.335 |
| 157.514 | 39282.078 | 46019.016 | 30.023 |
| 31.293 | 25.457 | 1.022 | |
| 10/15/2016 12:00:00 AM | 180000.000 | 69.930 | 17.341 |
| 157.524 | 39296.730 | 46030.414 | 30.032 |
| 31.301 | 25.447 | 1.022 | |
| 10/15/2016 12:15:00 AM | 180900.000 | 69.921 | 17.332 |
| 157.503 | 39331.441 | 46080.094 | 30.067 |
| 31.334 | 25.425 | 1.022 | |
| 10/15/2016 12:30:00 AM | 181800.000 | 69.934 | 17.337 |
| 157.534 | 39332.234 | 46076.246 | 30.065 |
| 31.332 | 25.424 | 1.022 | |
| 10/15/2016 12:45:00 AM | 182700.000 | 69.934 | 17.333 |
| 157.532 | 39294.203 | 46035.930 | 30.035 |
| 31.304 | 25.449 | 1.022 | |
| 10/15/2016 1:00:00 AM | 183600.000 | 69.931 | 17.335 |
| 157.526 | 39297.930 | 46037.945 | 30.037 |
| 31.306 | 25.447 | 1.022 | |
| 10/15/2016 1:15:00 AM | 184500.000 | 69.927 | 17.334 |
| 157.517 | 39316.473 | 46060.664 | 30.053 |
| 31.321 | 25.435 | 1.022 | |
| 10/15/2016 1:30:00 AM | 185400.000 | 69.912 | 17.342 |
| 157.484 | 39271.648 | 45999.598 | 30.009 |
| 31.280 | 25.464 | 1.022 | |
| 10/15/2016 1:45:00 AM | 186300.000 | 69.922 | 17.336 |
| 157.506 | 39279.590 | 46014.930 | 30.020 |
| 31.290 | 25.459 | 1.022 | |
| 10/15/2016 2:00:00 AM | 187200.000 | 69.918 | 17.335 |
| 157.497 | 39316.004 | 46059.035 | 30.052 |
| 31.320 | 25.435 | 1.022 | |
| 10/15/2016 2:15:00 AM | 188100.000 | 69.914 | 17.332 |
| 157.488 | 39279.340 | 46019.594 | 30.023 |
| 31.293 | 25.459 | 1.022 | |
| 10/15/2016 2:30:00 AM | 189000.000 | 69.896 | 17.332 |
| 157.448 | 39217.496 | 45946.688 | 29.970 |
| 31.244 | 25.499 | 1.022 | |
| 10/15/2016 2:45:00 AM | 189900.000 | 69.908 | 17.335 |
| 157.475 | 39217.109 | 45943.000 | 29.968 |
| 31.241 | 25.499 | 1.022 | |
| 10/15/2016 3:00:00 AM | 190800.000 | 69.897 | 17.335 |
| 157.451 | 39305.590 | 46047.008 | 30.043 |
| 31.312 | 25.442 | 1.022 | |
| 10/15/2016 3:15:00 AM | 191700.000 | 69.874 | 17.337 |
| 157.398 | 39254.211 | 45984.305 | 29.998 |

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|---|---|---|---|
| 31.269 | 25.475 | 1.022 | |
| 10/15/2016 3:30:00 AM | 192600.000 | 69.885 | 17.334 |
| 157.423 | 39251.109 | 45984.543 | 29.998 |
| 31.269 | 25.477 | 1.022 | |
| 10/15/2016 3:45:00 AM | 193500.000 | 69.882 | 17.338 |
| 157.416 | 39273.559 | 46006.156 | 30.014 |
| 31.284 | 25.462 | 1.022 | |
| 10/15/2016 4:00:00 AM | 194400.000 | 69.861 | 17.336 |
| 157.369 | 39270.223 | 46004.863 | 30.013 |
| 31.283 | 25.465 | 1.022 | |
| 10/15/2016 4:15:00 AM | 195300.000 | 69.870 | 17.334 |
| 157.389 | 39310.617 | 46053.984 | 30.048 |
| 31.317 | 25.438 | 1.022 | |
| 10/15/2016 4:30:00 AM | 196200.000 | 69.866 | 17.333 |
| 157.380 | 39295.105 | 46037.168 | 30.036 |
| 31.305 | 25.448 | 1.022 | |
| 10/15/2016 4:45:00 AM | 197100.000 | 69.862 | 17.344 |
| 157.370 | 39227.891 | 45946.727 | 29.971 |
| 31.244 | 25.492 | 1.022 | |
| 10/15/2016 5:00:00 AM | 198000.000 | 69.858 | 17.342 |
| 157.362 | 39299.102 | 46032.477 | 30.033 |
| 31.302 | 25.446 | 1.022 | |
| 10/15/2016 5:15:00 AM | 198900.000 | 69.853 | 17.336 |
| 157.350 | 39265.742 | 45999.512 | 30.009 |
| 31.280 | 25.467 | 1.022 | |
| 10/15/2016 5:30:00 AM | 199800.000 | 69.838 | 17.342 |
| 157.316 | 39257.781 | 45983.355 | 29.997 |
| 31.269 | 25.473 | 1.022 | |
| 10/15/2016 5:45:00 AM | 200700.000 | 69.852 | 17.338 |
| 157.350 | 39253.320 | 45982.719 | 29.997 |
| 31.268 | 25.476 | 1.022 | |
| 10/15/2016 6:00:00 AM | 201600.000 | 69.849 | 17.337 |
| 157.342 | 39261.969 | 45994.195 | 30.005 |
| 31.276 | 25.470 | 1.022 | |
| 10/15/2016 6:15:00 AM | 202500.000 | 69.848 | 17.340 |
| 157.338 | 39222.082 | 45944.059 | 29.969 |
| 31.242 | 25.496 | 1.022 | |
| 10/15/2016 6:30:00 AM | 203400.000 | 69.852 | 17.336 |
| 157.348 | 39291.645 | 46029.234 | 30.030 |
| 31.300 | 25.451 | 1.022 | |
| 10/15/2016 6:45:00 AM | 204300.000 | 69.851 | 17.340 |
| 157.347 | 39256.938 | 45984.980 | 29.999 |
| 31.270 | 25.473 | 1.022 | |
| 10/15/2016 7:00:00 AM | 205200.000 | 69.843 | 17.336 |
| 157.329 | 39228.594 | 45955.992 | 29.977 |
| 31.250 | 25.492 | 1.022 | |
| 10/15/2016 7:15:00 AM | 206100.000 | 69.862 | 17.339 |
| 157.371 | 39239.711 | 45965.238 | 29.984 |
| 31.256 | 25.484 | 1.022 | |
| 10/15/2016 7:30:00 AM | 207000.000 | 69.858 | 17.339 |
| 157.361 | 39240.313 | 45966.488 | 29.985 |
| 31.257 | 25.484 | 1.022 | |
| 10/15/2016 7:45:00 AM | 207900.000 | 69.876 | 17.342 |
| 157.402 | 39241.855 | 45964.879 | 29.984 |
| 31.256 | 25.483 | 1.022 | |

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| 10/15/2016 8:00:00 AM | 208800.000 | 69.881 | 17.339 |
| 157.413 | 39202.301 | 45921.512 | 29.952 |
| 31.227 | 25.509 | 1.022 | |
| 10/15/2016 8:15:00 AM | 209700.000 | 69.889 | 17.337 |
| 157.432 | 39208.887 | 45931.570 | 29.960 |
| 31.233 | 25.504 | 1.022 | |
| 10/15/2016 8:30:00 AM | 210600.000 | 69.899 | 17.335 |
| 157.453 | 39188.547 | 45909.359 | 29.943 |
| 31.218 | 25.518 | 1.022 | |
| 10/15/2016 8:45:00 AM | 211500.000 | 69.893 | 17.337 |
| 157.441 | 39186.613 | 45905.383 | 29.941 |
| 31.216 | 25.519 | 1.022 | |
| 10/15/2016 9:00:00 AM | 212400.000 | 69.913 | 17.337 |
| 157.485 | 39220.820 | 45945.191 | 29.970 |
| 31.243 | 25.497 | 1.022 | |
| 10/15/2016 9:15:00 AM | 213300.000 | 69.925 | 17.339 |
| 157.514 | 39174.027 | 45888.477 | 29.928 |
| 31.204 | 25.527 | 1.022 | |
| 10/15/2016 9:30:00 AM | 214200.000 | 69.932 | 17.337 |
| 157.529 | 39134.090 | 45843.949 | 29.896 |
| 31.174 | 25.553 | 1.022 | |
| 10/15/2016 9:45:00 AM | 215100.000 | 69.929 | 17.336 |
| 157.521 | 39196.496 | 45918.313 | 29.950 |
| 31.224 | 25.512 | 1.022 | |
| 10/15/2016 10:00:00 AM | 216000.000 | 69.956 | 17.335 |
| 157.582 | 39241.625 | 45971.984 | 29.989 |
| 31.261 | 25.483 | 1.022 | |
| 10/15/2016 10:15:00 AM | 216900.000 | 69.961 | 17.340 |
| 157.594 | 39225.145 | 45947.918 | 29.972 |
| 31.245 | 25.494 | 1.022 | |
| 10/15/2016 10:30:00 AM | 217800.000 | 69.958 | 17.329 |
| 157.587 | 39108.867 | 45822.203 | 29.880 |
| 31.159 | 25.570 | 1.022 | |
| 10/15/2016 10:45:00 AM | 218700.000 | 69.964 | 17.338 |
| 157.601 | 39199.766 | 45920.168 | 29.951 |
| 31.226 | 25.510 | 1.022 | |
| 10/15/2016 11:00:00 AM | 219600.000 | 69.991 | 17.333 |
| 157.661 | 39199.699 | 45924.855 | 29.955 |
| 31.229 | 25.510 | 1.022 | |
| 10/15/2016 11:15:00 AM | 220500.000 | 69.994 | 17.338 |
| 157.669 | 39239.039 | 45965.441 | 29.984 |
| 31.257 | 25.485 | 1.022 | |
| 10/15/2016 11:30:00 AM | 221400.000 | 69.989 | 17.335 |
| 157.658 | 39204.336 | 45928.215 | 29.957 |
| 31.231 | 25.507 | 1.022 | |
| 10/15/2016 11:45:00 AM | 222300.000 | 70.008 | 17.337 |
| 157.699 | 39186.438 | 45905.273 | 29.941 |
| 31.216 | 25.519 | 1.022 | |
| 10/15/2016 12:00:00 PM | 223200.000 | 70.014 | 17.338 |
| 157.712 | 39153.332 | 45865.672 | 29.912 |
| 31.189 | 25.541 | 1.022 | |
| 10/15/2016 12:15:00 PM | 224100.000 | 70.004 | 17.335 |
| 157.692 | 39182.746 | 45903.008 | 29.939 |
| 31.214 | 25.521 | 1.022 | |
| 10/15/2016 12:30:00 PM | 225000.000 | 70.022 | 17.340 |

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| 157.732 | 39139.266 | 45846.953 | 29.898 |
| 31.176 | 25.550 | 1.022 | |
| 10/15/2016 12:45:00 PM | 225900.000 | 70.022 | 17.341 |
| 157.731 | 39149.594 | 45858.340 | 29.907 |
| 31.184 | 25.543 | 1.022 | |
| 10/15/2016 1:00:00 PM | 226800.000 | 70.021 | 17.336 |
| 157.729 | 39148.695 | 45862.133 | 29.909 |
| 31.186 | 25.544 | 1.022 | |
| 10/15/2016 1:15:00 PM | 227700.000 | 70.024 | 17.341 |
| 157.736 | 39208.094 | 45926.234 | 29.956 |
| 31.230 | 25.505 | 1.022 | |
| 10/15/2016 1:30:00 PM | 228600.000 | 70.024 | 17.337 |
| 157.736 | 39126.621 | 45835.105 | 29.890 |
| 31.168 | 25.558 | 1.022 | |
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| 157.726 | 39157.727 | 45871.457 | 29.916 |
| 31.193 | 25.538 | 1.022 | |
| 10/15/2016 2:00:00 PM | 230400.000 | 70.015 | 17.334 |
| 157.716 | 39178.398 | 45899.176 | 29.936 |
| 31.211 | 25.524 | 1.022 | |
| 10/15/2016 2:15:00 PM | 231300.000 | 70.009 | 17.340 |
| 157.701 | 39155.641 | 45865.688 | 29.912 |
| 31.189 | 25.539 | 1.022 | |
| 10/15/2016 2:30:00 PM | 232200.000 | 70.007 | 17.336 |
| 157.698 | 39209.277 | 45933.023 | 29.961 |
| 31.234 | 25.504 | 1.022 | |
| 10/15/2016 2:45:00 PM | 233100.000 | 69.986 | 17.339 |
| 157.649 | 39119.203 | 45824.797 | 29.882 |
| 31.161 | 25.563 | 1.022 | |
| 10/15/2016 3:00:00 PM | 234000.000 | 69.991 | 17.341 |
| 157.662 | 39111.395 | 45813.227 | 29.874 |
| 31.153 | 25.568 | 1.022 | |
| 10/15/2016 3:15:00 PM | 234900.000 | 69.979 | 17.340 |
| 157.634 | 39156.234 | 45866.383 | 29.912 |
| 31.189 | 25.539 | 1.022 | |
| 10/15/2016 3:30:00 PM | 235800.000 | 69.973 | 17.340 |
| 157.621 | 39144.410 | 45853.254 | 29.903 |
| 31.180 | 25.546 | 1.022 | |
| 10/15/2016 3:45:00 PM | 236700.000 | 69.957 | 17.341 |
| 157.586 | 39169.031 | 45880.566 | 29.923 |
| 31.199 | 25.530 | 1.022 | |
| 10/15/2016 4:00:00 PM | 237600.000 | 69.960 | 17.336 |
| 157.592 | 39200.098 | 45922.531 | 29.953 |
| 31.227 | 25.510 | 1.022 | |
| 10/15/2016 4:15:00 PM | 238500.000 | 69.955 | 17.335 |
| 157.580 | 39186.820 | 45907.695 | 29.942 |
| 31.217 | 25.519 | 1.022 | |
| 10/15/2016 4:30:00 PM | 239400.000 | 69.927 | 17.338 |
| 157.517 | 39081.664 | 45781.551 | 29.851 |
| 31.131 | 25.587 | 1.021 | |
| 10/15/2016 4:45:00 PM | 240300.000 | 69.934 | 17.334 |
| 157.534 | 39134.422 | 45847.305 | 29.898 |
| 31.176 | 25.553 | 1.022 | |
| 10/15/2016 5:00:00 PM | 241200.000 | 69.925 | 17.335 |
| 157.513 | 39080.895 | 45784.137 | 29.852 |

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| 31.133 | 25.588 | 1.021 | |
| 10/15/2016 5:15:00 PM | 242100.000 | 69.916 | 17.339 |
| 157.492 | 39121.523 | 45826.887 | 29.884 |
| 31.162 | 25.561 | 1.022 | |
| 10/15/2016 5:30:00 PM | 243000.000 | 69.913 | 17.336 |
| 157.486 | 39136.977 | 45848.137 | 29.899 |
| 31.177 | 25.551 | 1.022 | |
| 10/15/2016 5:45:00 PM | 243900.000 | 69.894 | 17.331 |
| 157.444 | 39171.324 | 45893.672 | 29.932 |
| 31.208 | 25.529 | 1.022 | |
| 10/15/2016 6:00:00 PM | 244800.000 | 69.901 | 17.342 |
| 157.458 | 39129.906 | 45834.113 | 29.889 |
| 31.167 | 25.556 | 1.022 | |
| 10/15/2016 6:15:00 PM | 245700.000 | 69.899 | 17.338 |
| 157.455 | 39087.059 | 45787.410 | 29.855 |
| 31.135 | 25.584 | 1.021 | |
| 10/15/2016 6:30:00 PM | 246600.000 | 69.883 | 17.329 |
| 157.419 | 39120.402 | 45835.637 | 29.890 |
| 31.168 | 25.562 | 1.022 | |
| 10/15/2016 6:45:00 PM | 247500.000 | 69.895 | 17.337 |
| 157.446 | 39020.926 | 45711.289 | 29.800 |
| 31.084 | 25.627 | 1.021 | |
| 10/15/2016 7:00:00 PM | 248400.000 | 69.897 | 17.339 |
| 157.449 | 39030.793 | 45721.410 | 29.807 |
| 31.091 | 25.621 | 1.021 | |
| 10/15/2016 7:15:00 PM | 249300.000 | 69.897 | 17.336 |
| 157.451 | 39081.563 | 45783.746 | 29.852 |
| 31.133 | 25.588 | 1.021 | |
| 10/15/2016 7:30:00 PM | 250200.000 | 69.901 | 17.334 |
| 157.458 | 39022.402 | 45715.977 | 29.803 |
| 31.087 | 25.626 | 1.021 | |
| 10/15/2016 7:45:00 PM | 251100.000 | 69.900 | 17.335 |
| 157.457 | 39072.406 | 45773.574 | 29.845 |
| 31.126 | 25.594 | 1.021 | |
| 10/15/2016 8:00:00 PM | 252000.000 | 69.904 | 17.336 |
| 157.466 | 39054.750 | 45751.898 | 29.829 |
| 31.111 | 25.605 | 1.021 | |
| 10/15/2016 8:15:00 PM | 252900.000 | 69.891 | 17.335 |
| 157.437 | 39049.344 | 45747.086 | 29.826 |
| 31.108 | 25.609 | 1.021 | |
| 10/15/2016 8:30:00 PM | 253800.000 | 69.897 | 17.342 |
| 157.449 | 39054.188 | 45745.422 | 29.825 |
| 31.107 | 25.605 | 1.021 | |
| 10/15/2016 8:45:00 PM | 254700.000 | 69.918 | 17.343 |
| 157.497 | 39085.379 | 45780.434 | 29.850 |
| 31.131 | 25.585 | 1.021 | |
| 10/15/2016 9:00:00 PM | 255600.000 | 69.920 | 17.337 |
| 157.503 | 39085.160 | 45786.270 | 29.854 |
| 31.135 | 25.585 | 1.021 | |
| 10/15/2016 9:15:00 PM | 256500.000 | 69.914 | 17.338 |
| 157.489 | 39043.297 | 45736.145 | 29.818 |
| 31.101 | 25.613 | 1.021 | |
| 10/15/2016 9:30:00 PM | 257400.000 | 69.940 | 17.339 |
| 157.546 | 39015.328 | 45702.859 | 29.794 |
| 31.078 | 25.631 | 1.021 | |

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157.561 39014.086 45706.586 29.796
31.080 25.632 1.021
10/15/2016 10:00:00 PM 259200.000 69.957 17.337
157.584 38959.336 45639.500 29.748
31.035 25.668 1.021
10/15/2016 10:15:00 PM 260100.000 69.952 17.334
157.575 39005.367 45696.277 29.789
31.073 25.637 1.021
10/15/2016 10:30:00 PM 261000.000 69.973 17.338
157.621 39058.141 45754.441 29.831
31.113 25.603 1.021
10/15/2016 10:45:00 PM 261900.000 69.987 17.337
157.652 39005.645 45693.020 29.787
31.071 25.637 1.021
10/15/2016 11:00:00 PM 262800.000 69.991 17.333
157.661 38993.359 45683.113 29.779
31.065 25.645 1.021
10/15/2016 11:15:00 PM 263700.000 69.983 17.339
157.643 39038.598 45729.656 29.813
31.096 25.616 1.021
10/15/2016 11:30:00 PM 264600.000 70.001 17.340
157.684 38986.063 45667.313 29.768
31.054 25.650 1.021
10/15/2016 11:45:00 PM 265500.000 70.012 17.336
157.708 38982.027 45666.977 29.768
31.054 25.653 1.021
10/16/2016 12:00:00 AM 266400.000 69.999 17.334
157.679 38969.875 45654.793 29.759
31.045 25.661 1.021
10/16/2016 12:15:00 AM 267300.000 70.009 17.335
157.702 39005.141 45694.676 29.788
31.072 25.638 1.021
10/16/2016 12:30:00 AM 268200.000 70.021 17.342
157.729 39017.301 45701.754 29.793
31.077 25.630 1.021
10/16/2016 12:45:00 AM 269100.000 70.032 17.338
157.753 38987.992 45671.727 29.771
31.057 25.649 1.021
10/16/2016 1:00:00 AM 270000.000 70.029 17.337
157.747 39001.031 45687.719 29.783
31.068 25.640 1.021
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157.752 39036.145 45730.016 29.813
31.096 25.617 1.021
10/16/2016 1:30:00 AM 271800.000 70.030 17.341
157.749 39027.254 45714.938 29.803
31.086 25.623 1.021
10/16/2016 1:45:00 AM 272700.000 70.030 17.334
157.749 39023.492 45717.168 29.804
31.088 25.626 1.021
10/16/2016 2:00:00 AM 273600.000 70.028 17.334
157.745 39000.570 45690.133 29.784
31.069 25.641 1.021
10/16/2016 2:15:00 AM 274500.000 70.032 17.333

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| 157.753 | 38988.992 | 45678.535 | 29.776 |
| 31.061 | 25.648 | 1.021 | |
| 10/16/2016 2:30:00 AM | 275400.000 | 70.026 | 17.340 |
| 157.741 | 38999.934 | 45683.656 | 29.780 |
| 31.065 | 25.641 | 1.021 | |
| 10/16/2016 2:45:00 AM | 276300.000 | 70.026 | 17.340 |
| 157.741 | 38965.359 | 45643.516 | 29.751 |
| 31.038 | 25.664 | 1.021 | |
| 10/16/2016 3:00:00 AM | 277200.000 | 70.025 | 17.339 |
| 157.737 | 38941.777 | 45616.957 | 29.731 |
| 31.020 | 25.679 | 1.021 | |
| 10/16/2016 3:15:00 AM | 278100.000 | 70.019 | 17.337 |
| 157.725 | 38945.590 | 45623.035 | 29.736 |
| 31.024 | 25.677 | 1.021 | |
| 10/16/2016 3:30:00 AM | 279000.000 | 70.021 | 17.341 |
| 157.729 | 39021.098 | 45707.285 | 29.797 |
| 31.081 | 25.627 | 1.021 | |
| 10/16/2016 3:45:00 AM | 279900.000 | 70.013 | 17.340 |
| 157.712 | 39001.004 | 45684.730 | 29.781 |
| 31.066 | 25.640 | 1.021 | |
| 10/16/2016 4:00:00 AM | 280800.000 | 69.999 | 17.336 |
| 157.680 | 39040.238 | 45734.535 | 29.817 |
| 31.099 | 25.615 | 1.021 | |
| 10/16/2016 4:15:00 AM | 281700.000 | 70.008 | 17.337 |
| 157.699 | 38977.648 | 45660.770 | 29.763 |
| 31.049 | 25.656 | 1.021 | |
| 10/16/2016 4:30:00 AM | 282600.000 | 70.002 | 17.335 |
| 157.687 | 38932.273 | 45609.133 | 29.726 |
| 31.014 | 25.686 | 1.021 | |
| 10/16/2016 4:45:00 AM | 283500.000 | 69.999 | 17.338 |
| 157.679 | 38991.523 | 45676.223 | 29.774 |
| 31.060 | 25.647 | 1.021 | |
| 10/16/2016 5:00:00 AM | 284400.000 | 69.997 | 17.339 |
| 157.675 | 38934.750 | 45608.102 | 29.725 |
| 31.014 | 25.684 | 1.021 | |
| 10/16/2016 5:15:00 AM | 285300.000 | 69.994 | 17.337 |
| 157.669 | 38933.551 | 45609.293 | 29.726 |
| 31.014 | 25.685 | 1.021 | |
| 10/16/2016 5:30:00 AM | 286200.000 | 69.976 | 17.341 |
| 157.627 | 38906.680 | 45573.621 | 29.700 |
| 30.990 | 25.703 | 1.021 | |
| 10/16/2016 5:45:00 AM | 287100.000 | 69.969 | 17.337 |
| 157.612 | 38916.957 | 45590.023 | 29.712 |
| 31.001 | 25.696 | 1.021 | |
| 10/16/2016 6:00:00 AM | 288000.000 | 69.985 | 17.343 |
| 157.647 | 38958.211 | 45631.922 | 29.743 |
| 31.030 | 25.669 | 1.021 | |
| 10/16/2016 6:15:00 AM | 288900.000 | 69.968 | 17.342 |
| 157.609 | 38966.168 | 45641.781 | 29.750 |
| 31.036 | 25.663 | 1.021 | |
| 10/16/2016 6:30:00 AM | 289800.000 | 69.980 | 17.339 |
| 157.636 | 39008.082 | 45694.551 | 29.788 |
| 31.072 | 25.636 | 1.021 | |
| 10/16/2016 6:45:00 AM | 290700.000 | 69.981 | 17.339 |
| 157.639 | 38997.766 | 45681.750 | 29.778 |

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| 31.064 | 25.642 | 1.021 | |
| 10/16/2016 7:00:00 AM | 291600.000 | 69.984 | 17.341 |
| 157.646 | 38939.398 | 45611.586 | 29.728 |
| 31.016 | 25.681 | 1.021 | |
| 10/16/2016 7:15:00 AM | 292500.000 | 69.971 | 17.344 |
| 157.617 | 38937.609 | 45606.984 | 29.724 |
| 31.013 | 25.682 | 1.021 | |
| 10/16/2016 7:30:00 AM | 293400.000 | 69.991 | 17.335 |
| 157.662 | 38934.637 | 45612.082 | 29.728 |
| 31.016 | 25.684 | 1.021 | |
| 10/16/2016 7:45:00 AM | 294300.000 | 69.996 | 17.339 |
| 157.673 | 38996.262 | 45680.066 | 29.777 |
| 31.062 | 25.643 | 1.021 | |
| 10/16/2016 8:00:00 AM | 295200.000 | 70.005 | 17.340 |
| 157.693 | 38971.867 | 45651.137 | 29.756 |
| 31.043 | 25.660 | 1.021 | |
| 10/16/2016 8:15:00 AM | 296100.000 | 70.000 | 17.334 |
| 157.681 | 38921.098 | 45597.738 | 29.717 |
| 31.006 | 25.693 | 1.021 | |
| 10/16/2016 8:30:00 AM | 297000.000 | 70.018 | 17.339 |
| 157.723 | 38939.777 | 45614.359 | 29.730 |
| 31.018 | 25.681 | 1.021 | |
| 10/16/2016 8:45:00 AM | 297900.000 | 70.026 | 17.334 |
| 157.740 | 38901.883 | 45575.313 | 29.701 |
| 30.991 | 25.706 | 1.021 | |
| 10/16/2016 9:00:00 AM | 298800.000 | 70.019 | 17.341 |
| 157.724 | 38886.508 | 45550.074 | 29.683 |
| 30.974 | 25.716 | 1.021 | |
| 10/16/2016 9:15:00 AM | 299700.000 | 70.040 | 17.338 |
| 157.772 | 38918.598 | 45590.871 | 29.712 |
| 31.002 | 25.695 | 1.021 | |
| 10/16/2016 9:30:00 AM | 300600.000 | 70.052 | 17.338 |
| 157.800 | 38928.055 | 45601.422 | 29.720 |
| 31.009 | 25.688 | 1.021 | |
| 10/16/2016 9:45:00 AM | 301500.000 | 70.062 | 17.340 |
| 157.821 | 38974.891 | 45654.227 | 29.759 |
| 31.045 | 25.658 | 1.021 | |
| 10/16/2016 10:00:00 AM | 302400.000 | 70.076 | 17.339 |
| 157.852 | 38948.805 | 45625.293 | 29.737 |
| 31.025 | 25.675 | 1.021 | |
| 10/16/2016 10:15:00 AM | 303300.000 | 70.087 | 17.337 |
| 157.877 | 38924.793 | 45598.852 | 29.718 |
| 31.007 | 25.691 | 1.021 | |
| 10/16/2016 10:30:00 AM | 304200.000 | 70.100 | 17.339 |
| 157.907 | 38861.707 | 45522.723 | 29.663 |
| 30.955 | 25.732 | 1.021 | |
| 10/16/2016 10:45:00 AM | 305100.000 | 70.103 | 17.340 |
| 157.914 | 38884.813 | 45548.984 | 29.682 |
| 30.973 | 25.717 | 1.021 | |
| 10/16/2016 11:00:00 AM | 306000.000 | 70.113 | 17.336 |
| 157.936 | 38897.418 | 45568.020 | 29.696 |
| 30.986 | 25.709 | 1.021 | |
| 10/16/2016 11:15:00 AM | 306900.000 | 70.126 | 17.336 |
| 157.965 | 38861.934 | 45526.641 | 29.666 |
| 30.958 | 25.732 | 1.021 | |

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| 10/16/2016 11:30:00 AM | 307800.000 | 70.134 | 17.339 |
| 157.984 | 38837.988 | 45495.020 | 29.643 |
| 30.937 | 25.748 | 1.021 | |
| 10/16/2016 11:45:00 AM | 308700.000 | 70.143 | 17.338 |
| 158.004 | 38908.250 | 45578.570 | 29.704 |
| 30.993 | 25.701 | 1.021 | |
| 10/16/2016 12:00:00 PM | 309600.000 | 70.152 | 17.336 |
| 158.023 | 38916.156 | 45590.160 | 29.712 |
| 31.001 | 25.696 | 1.021 | |
| 10/16/2016 12:15:00 PM | 310500.000 | 70.153 | 17.338 |
| 158.026 | 38916.211 | 45587.816 | 29.710 |
| 31.000 | 25.696 | 1.021 | |
| 10/16/2016 12:30:00 PM | 311400.000 | 70.144 | 17.337 |
| 158.005 | 38914.176 | 45585.871 | 29.709 |
| 30.998 | 25.698 | 1.021 | |
| 10/16/2016 12:45:00 PM | 312300.000 | 70.162 | 17.340 |
| 158.046 | 38871.137 | 45533.145 | 29.671 |
| 30.963 | 25.726 | 1.021 | |
| 10/16/2016 1:00:00 PM | 313200.000 | 70.161 | 17.339 |
| 158.044 | 38906.051 | 45575.211 | 29.701 |
| 30.991 | 25.703 | 1.021 | |
| 10/16/2016 1:15:00 PM | 314100.000 | 70.153 | 17.341 |
| 158.026 | 38898.410 | 45564.289 | 29.693 |
| 30.984 | 25.708 | 1.021 | |
| 10/16/2016 1:30:00 PM | 315000.000 | 70.150 | 17.331 |
| 158.021 | 38856.863 | 45524.895 | 29.664 |
| 30.957 | 25.735 | 1.021 | |
| 10/16/2016 1:45:00 PM | 315900.000 | 70.168 | 17.340 |
| 158.061 | 38863.223 | 45523.789 | 29.664 |
| 30.956 | 25.731 | 1.021 | |
| 10/16/2016 2:00:00 PM | 316800.000 | 70.169 | 17.336 |
| 158.063 | 38883.563 | 45551.977 | 29.684 |
| 30.975 | 25.718 | 1.021 | |
| 10/16/2016 2:15:00 PM | 317700.000 | 70.149 | 17.333 |
| 158.018 | 38883.215 | 45553.895 | 29.685 |
| 30.977 | 25.718 | 1.021 | |
| 10/16/2016 2:30:00 PM | 318600.000 | 70.154 | 17.344 |
| 158.029 | 38883.953 | 45544.238 | 29.679 |
| 30.970 | 25.718 | 1.021 | |
| 10/16/2016 2:45:00 PM | 319500.000 | 70.150 | 17.331 |
| 158.021 | 38878.707 | 45551.203 | 29.683 |
| 30.975 | 25.721 | 1.021 | |
| 10/16/2016 3:00:00 PM | 320400.000 | 70.144 | 17.339 |
| 158.007 | 38848.195 | 45507.254 | 29.652 |
| 30.945 | 25.741 | 1.021 | |
| 10/16/2016 3:15:00 PM | 321300.000 | 70.138 | 17.340 |
| 157.992 | 38862.160 | 45522.176 | 29.663 |
| 30.955 | 25.732 | 1.021 | |
| 10/16/2016 3:30:00 PM | 322200.000 | 70.114 | 17.342 |
| 157.938 | 38887.395 | 45550.051 | 29.683 |
| 30.974 | 25.715 | 1.021 | |
| 10/16/2016 3:45:00 PM | 323100.000 | 70.119 | 17.338 |
| 157.950 | 38884.434 | 45550.852 | 29.683 |
| 30.975 | 25.717 | 1.021 | |
| 10/16/2016 4:00:00 PM | 324000.000 | 70.112 | 17.336 |

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|---|---|---|---|
| 157.935 | 38813.945 | 45469.535 | 29.624 |
| 30.919 | 25.764 | 1.021 | |
| 10/16/2016 4:15:00 PM | 324900.000 | 70.087 | 17.334 |
| 157.878 | 38874.930 | 45543.379 | 29.678 |
| 30.969 | 25.724 | 1.021 | |
| 10/16/2016 4:30:00 PM | 325800.000 | 70.091 | 17.339 |
| 157.887 | 38886.973 | 45552.938 | 29.685 |
| 30.976 | 25.716 | 1.021 | |
| 10/16/2016 4:45:00 PM | 326700.000 | 70.065 | 17.339 |
| 157.828 | 38867.324 | 45529.301 | 29.668 |
| 30.960 | 25.729 | 1.021 | |
| 10/16/2016 5:00:00 PM | 327600.000 | 70.072 | 17.337 |
| 157.844 | 38846.102 | 45506.582 | 29.651 |
| 30.944 | 25.743 | 1.021 | |
| 10/16/2016 5:15:00 PM | 328500.000 | 70.060 | 17.341 |
| 157.817 | 38880.410 | 45542.754 | 29.678 |
| 30.969 | 25.720 | 1.021 | |
| 10/16/2016 5:30:00 PM | 329400.000 | 70.050 | 17.342 |
| 157.795 | 38847.527 | 45503.176 | 29.649 |
| 30.942 | 25.742 | 1.021 | |
| 10/16/2016 5:45:00 PM | 330300.000 | 70.040 | 17.340 |
| 157.771 | 38750.574 | 45391.207 | 29.568 |
| 30.866 | 25.806 | 1.021 | |
| 10/16/2016 6:00:00 PM | 331200.000 | 70.032 | 17.338 |
| 157.755 | 38851.523 | 45511.957 | 29.655 |
| 30.948 | 25.739 | 1.021 | |
| 10/16/2016 6:15:00 PM | 332100.000 | 70.025 | 17.340 |
| 157.737 | 38875.461 | 45537.492 | 29.674 |
| 30.965 | 25.723 | 1.021 | |
| 10/16/2016 6:30:00 PM | 333000.000 | 70.012 | 17.341 |
| 157.710 | 38837.680 | 45492.797 | 29.642 |
| 30.935 | 25.748 | 1.021 | |
| 10/16/2016 6:45:00 PM | 333900.000 | 70.012 | 17.334 |
| 157.709 | 38815.793 | 45474.020 | 29.628 |
| 30.922 | 25.763 | 1.021 | |
| 10/16/2016 7:00:00 PM | 334800.000 | 70.003 | 17.338 |
| 157.689 | 38840.441 | 45499.418 | 29.646 |
| 30.940 | 25.746 | 1.021 | |
| 10/16/2016 7:15:00 PM | 335700.000 | 69.989 | 17.339 |
| 157.657 | 38844.496 | 45503.000 | 29.649 |
| 30.942 | 25.744 | 1.021 | |
| 10/16/2016 7:30:00 PM | 336600.000 | 69.996 | 17.336 |
| 157.672 | 38824.184 | 45482.414 | 29.634 |
| 30.928 | 25.757 | 1.021 | |
| 10/16/2016 7:45:00 PM | 337500.000 | 69.997 | 17.340 |
| 157.674 | 38806.551 | 45457.039 | 29.616 |
| 30.911 | 25.769 | 1.021 | |
| 10/16/2016 8:00:00 PM | 338400.000 | 69.978 | 17.338 |
| 157.633 | 38824.391 | 45480.258 | 29.632 |
| 30.927 | 25.757 | 1.021 | |
| 10/16/2016 8:15:00 PM | 339300.000 | 69.995 | 17.333 |
| 157.670 | 38821.715 | 45482.199 | 29.633 |
| 30.928 | 25.759 | 1.021 | |
| 10/16/2016 8:30:00 PM | 340200.000 | 69.997 | 17.337 |
| 157.675 | 38840.031 | 45499.117 | 29.646 |

30.939 25.747 1.021
10/16/2016 8:45:00 PM 341100.000 69.999 17.337
157.680 38768.195 45415.141 29.585
30.882 25.794 1.021
10/16/2016 9:00:00 PM 342000.000 70.001 17.342
157.684 38822.574 45474.125 29.628
30.922 25.758 1.021
10/16/2016 9:15:00 PM 342900.000 70.004 17.340
157.692 38784.961 45431.844 29.597
30.894 25.783 1.021
10/16/2016 9:30:00 PM 343800.000 70.007 17.336
157.698 38809.957 45465.398 29.621
30.916 25.767 1.021
10/16/2016 9:45:00 PM 344700.000 70.009 17.337
157.702 38793.820 45445.605 29.607
30.903 25.777 1.021
10/16/2016 10:00:00 PM 345600.000 70.022 17.335
157.732 38845.609 45507.879 29.652
30.945 25.743 1.021
10/16/2016 10:15:00 PM 346500.000 70.023 17.339
157.734 38792.703 45441.973 29.605
30.901 25.778 1.021
10/16/2016 10:30:00 PM 347400.000 70.033 17.341
157.756 38822.477 45474.629 29.628
30.923 25.758 1.021
10/16/2016 10:45:00 PM 348300.000 70.025 17.333
157.738 38895.605 45568.324 29.696
30.986 25.710 1.021
10/16/2016 11:00:00 PM 349200.000 70.032 17.340
157.753 38799.078 45448.461 29.609
30.905 25.774 1.021
10/16/2016 11:15:00 PM 350100.000 70.042 17.336
157.776 38817.859 45474.207 29.628
30.922 25.761 1.021
10/16/2016 11:30:00 PM 351000.000 70.047 17.337
157.788 38725.469 45364.809 29.549
30.848 25.823 1.021
10/16/2016 11:45:00 PM 351900.000 70.058 17.336
157.812 38815.758 45471.742 29.626
30.921 25.763 1.021
10/17/2016 12:00:00 AM 352800.000 70.078 17.336
157.858 38801.504 45455.137 29.614
30.909 25.772 1.021
10/17/2016 12:15:00 AM 353700.000 70.083 17.338
157.868 38794.375 45445.008 29.607
30.903 25.777 1.021
10/17/2016 12:30:00 AM 354600.000 70.073 17.339
157.847 38773.922 45419.617 29.588
30.885 25.791 1.021
10/17/2016 12:45:00 AM 355500.000 70.081 17.336
157.864 38708.043 45345.734 29.535
30.835 25.834 1.021
10/17/2016 1:00:00 AM 356400.000 70.087 17.339
157.877 38789.066 45438.070 29.602
30.898 25.780 1.021

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|---|---|---|---|
| 10/17/2016 1:15:00 AM | 357300.000 | 70.101 | 17.340 |
| 157.910 | 38716.426 | 45351.832 | 29.539 |
| 30.839 | 25.829 | 1.021 | |
| 10/17/2016 1:30:00 AM | 358200.000 | 70.090 | 17.342 |
| 157.884 | 38793.387 | 45440.020 | 29.603 |
| 30.899 | 25.778 | 1.021 | |
| 10/17/2016 1:45:00 AM | 359100.000 | 70.108 | 17.336 |
| 157.926 | 38734.781 | 45377.059 | 29.557 |
| 30.856 | 25.817 | 1.021 | |
| 10/17/2016 2:00:00 AM | 360000.000 | 70.108 | 17.332 |
| 157.926 | 38772.602 | 45425.105 | 29.592 |
| 30.889 | 25.791 | 1.021 | |
| 10/17/2016 2:15:00 AM | 360900.000 | 70.112 | 17.336 |
| 157.934 | 38784.230 | 45435.090 | 29.599 |
| 30.896 | 25.784 | 1.021 | |
| 10/17/2016 2:30:00 AM | 361800.000 | 70.093 | 17.337 |
| 157.892 | 38812.328 | 45467.453 | 29.623 |
| 30.918 | 25.765 | 1.021 | |
| 10/17/2016 2:45:00 AM | 362700.000 | 70.099 | 17.333 |
| 157.905 | 38694.949 | 45333.406 | 29.526 |
| 30.827 | 25.843 | 1.021 | |
| 10/17/2016 3:00:00 AM | 363600.000 | 70.107 | 17.334 |
| 157.923 | 38758.746 | 45407.266 | 29.579 |
| 30.877 | 25.801 | 1.021 | |
| 10/17/2016 3:15:00 AM | 364500.000 | 70.104 | 17.333 |
| 157.916 | 38786.727 | 45440.930 | 29.604 |
| 30.900 | 25.782 | 1.021 | |
| 10/17/2016 3:30:00 AM | 365400.000 | 70.088 | 17.337 |
| 157.880 | 38777.715 | 45426.191 | 29.593 |
| 30.890 | 25.788 | 1.021 | |
| 10/17/2016 3:45:00 AM | 366300.000 | 70.097 | 17.338 |
| 157.900 | 38775.746 | 45423.094 | 29.591 |
| 30.888 | 25.789 | 1.021 | |
| 10/17/2016 4:00:00 AM | 367200.000 | 70.094 | 17.340 |
| 157.893 | 38745.508 | 45386.074 | 29.564 |
| 30.863 | 25.809 | 1.021 | |
| 10/17/2016 4:15:00 AM | 368100.000 | 70.089 | 17.339 |
| 157.883 | 38734.117 | 45373.082 | 29.555 |
| 30.854 | 25.817 | 1.021 | |
| 10/17/2016 4:30:00 AM | 369000.000 | 70.072 | 17.337 |
| 157.843 | 38754.957 | 45400.160 | 29.574 |
| 30.872 | 25.803 | 1.021 | |
| 10/17/2016 4:45:00 AM | 369900.000 | 70.076 | 17.337 |
| 157.854 | 38752.555 | 45397.082 | 29.572 |
| 30.870 | 25.805 | 1.021 | |
| 10/17/2016 5:00:00 AM | 370800.000 | 70.075 | 17.335 |
| 157.851 | 38693.234 | 45329.539 | 29.523 |
| 30.824 | 25.844 | 1.021 | |
| 10/17/2016 5:15:00 AM | 371700.000 | 70.067 | 17.340 |
| 157.833 | 38735.531 | 45373.586 | 29.555 |
| 30.854 | 25.816 | 1.021 | |
| 10/17/2016 5:30:00 AM | 372600.000 | 70.062 | 17.334 |
| 157.822 | 38747.668 | 45394.645 | 29.570 |
| 30.868 | 25.808 | 1.021 | |
| 10/17/2016 5:45:00 AM | 373500.000 | 70.042 | 17.339 |

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| 157.777 | 38696.473 | 45329.707 | 29.523 |
| 30.824 | 25.842 | 1.021 | |
| 10/17/2016 6:00:00 AM | 374400.000 | 70.039 | 17.335 |
| 157.769 | 38730.980 | 45373.762 | 29.555 |
| 30.854 | 25.819 | 1.021 | |
| 10/17/2016 6:15:00 AM | 375300.000 | 70.047 | 17.335 |
| 157.788 | 38715.242 | 45355.238 | 29.542 |
| 30.842 | 25.830 | 1.021 | |
| 10/17/2016 6:30:00 AM | 376200.000 | 70.044 | 17.340 |
| 157.781 | 38734.863 | 45373.336 | 29.555 |
| 30.854 | 25.817 | 1.021 | |
| 10/17/2016 6:45:00 AM | 377100.000 | 70.042 | 17.335 |
| 157.776 | 38747.266 | 45392.672 | 29.569 |
| 30.867 | 25.808 | 1.021 | |
| 10/17/2016 7:00:00 AM | 378000.000 | 70.045 | 17.337 |
| 157.782 | 38693.395 | 45328.125 | 29.522 |
| 30.823 | 25.844 | 1.021 | |
| 10/17/2016 7:15:00 AM | 378900.000 | 70.042 | 17.333 |
| 157.776 | 38740.570 | 45386.855 | 29.564 |
| 30.863 | 25.813 | 1.021 | |
| 10/17/2016 7:30:00 AM | 379800.000 | 70.024 | 17.336 |
| 157.736 | 38732.777 | 45374.984 | 29.556 |
| 30.855 | 25.818 | 1.021 | |
| 10/17/2016 7:45:00 AM | 380700.000 | 70.041 | 17.340 |
| 157.774 | 38734.563 | 45372.891 | 29.555 |
| 30.854 | 25.817 | 1.021 | |
| 10/17/2016 8:00:00 AM | 381600.000 | 70.040 | 17.341 |
| 157.773 | 38772.742 | 45416.730 | 29.586 |
| 30.883 | 25.791 | 1.021 | |
| 10/17/2016 8:15:00 AM | 382500.000 | 70.047 | 17.344 |
| 157.788 | 38727.695 | 45360.859 | 29.546 |
| 30.845 | 25.821 | 1.021 | |
| 10/17/2016 8:30:00 AM | 383400.000 | 70.053 | 17.342 |
| 157.802 | 38665.180 | 45289.145 | 29.494 |
| 30.797 | 25.863 | 1.021 | |
| 10/17/2016 8:45:00 AM | 384300.000 | 70.051 | 17.338 |
| 157.796 | 38708.152 | 45344.172 | 29.534 |
| 30.834 | 25.834 | 1.021 | |
| 10/17/2016 9:00:00 AM | 385200.000 | 70.060 | 17.336 |
| 157.817 | 38714.555 | 45353.543 | 29.540 |
| 30.840 | 25.830 | 1.021 | |
| 10/17/2016 9:15:00 AM | 386100.000 | 70.052 | 17.330 |
| 157.799 | 38677.637 | 45315.879 | 29.513 |
| 30.815 | 25.855 | 1.021 | |
| 10/17/2016 9:30:00 AM | 387000.000 | 70.074 | 17.337 |
| 157.848 | 38669.461 | 45299.301 | 29.501 |
| 30.804 | 25.860 | 1.021 | |
| 10/17/2016 9:45:00 AM | 387900.000 | 70.070 | 17.340 |
| 157.840 | 38718.023 | 45353.965 | 29.541 |
| 30.841 | 25.828 | 1.021 | |
| 10/17/2016 10:00:00 AM | 388800.000 | 70.092 | 17.338 |
| 157.889 | 38685.008 | 45317.234 | 29.514 |
| 30.816 | 25.850 | 1.021 | |
| 10/17/2016 10:15:00 AM | 389700.000 | 70.104 | 17.342 |
| 157.916 | 38723.207 | 45357.375 | 29.543 |

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|---|---|---|---|
| 30.843 | 25.824 | 1.021 | |
| 10/17/2016 10:30:00 AM | 390600.000 | 70.111 | 17.339 |
| 157.932 | 38742.969 | 45383.715 | 29.562 |
| 30.861 | 25.811 | 1.021 | |
| 10/17/2016 10:45:00 AM | 391500.000 | 70.117 | 17.337 |
| 157.944 | 38686.156 | 45319.215 | 29.516 |
| 30.817 | 25.849 | 1.021 | |
| 10/17/2016 11:00:00 AM | 392400.000 | 70.132 | 17.334 |
| 157.978 | 38685.438 | 45321.828 | 29.517 |
| 30.819 | 25.850 | 1.021 | |
| 10/17/2016 11:15:00 AM | 393300.000 | 70.122 | 17.333 |
| 157.957 | 38703.594 | 45343.457 | 29.533 |
| 30.834 | 25.837 | 1.021 | |
| 10/17/2016 11:30:00 AM | 394200.000 | 70.148 | 17.336 |
| 158.015 | 38670.352 | 45301.938 | 29.503 |
| 30.805 | 25.860 | 1.021 | |
| 10/17/2016 11:45:00 AM | 395100.000 | 70.158 | 17.335 |
| 158.037 | 38686.836 | 45321.875 | 29.517 |
| 30.819 | 25.849 | 1.021 | |
| 10/17/2016 12:00:00 PM | 396000.000 | 70.168 | 17.338 |
| 158.061 | 38701.152 | 45335.621 | 29.527 |
| 30.828 | 25.839 | 1.021 | |
| 10/17/2016 12:15:00 PM | 396900.000 | 70.178 | 17.340 |
| 158.082 | 38656.617 | 45281.859 | 29.489 |
| 30.792 | 25.869 | 1.021 | |
| 10/17/2016 12:30:00 PM | 397800.000 | 70.171 | 17.338 |
| 158.067 | 38691.602 | 45324.883 | 29.520 |
| 30.821 | 25.845 | 1.021 | |
| 10/17/2016 12:45:00 PM | 398700.000 | 70.173 | 17.341 |
| 158.072 | 38683.902 | 45312.930 | 29.511 |
| 30.813 | 25.851 | 1.021 | |
| 10/17/2016 1:00:00 PM | 399600.000 | 70.181 | 17.339 |
| 158.090 | 38670.883 | 45299.805 | 29.502 |
| 30.804 | 25.859 | 1.021 | |
| 10/17/2016 1:15:00 PM | 400500.000 | 70.197 | 17.334 |
| 158.126 | 38674.844 | 45309.328 | 29.508 |
| 30.810 | 25.857 | 1.021 | |
| 10/17/2016 1:30:00 PM | 401400.000 | 70.202 | 17.342 |
| 158.138 | 38669.000 | 45294.500 | 29.498 |
| 30.800 | 25.861 | 1.021 | |
| 10/17/2016 1:45:00 PM | 402300.000 | 70.207 | 17.336 |
| 158.147 | 38636.484 | 45261.551 | 29.474 |
| 30.778 | 25.882 | 1.021 | |
| 10/17/2016 2:00:00 PM | 403200.000 | 70.210 | 17.334 |
| 158.154 | 38730.289 | 45373.570 | 29.555 |
| 30.854 | 25.820 | 1.021 | |
| 10/17/2016 2:15:00 PM | 404100.000 | 70.193 | 17.337 |
| 158.117 | 38672.691 | 45303.789 | 29.504 |
| 30.807 | 25.858 | 1.021 | |
| 10/17/2016 2:30:00 PM | 405000.000 | 70.195 | 17.340 |
| 158.121 | 38654.469 | 45279.070 | 29.487 |
| 30.790 | 25.870 | 1.021 | |
| 10/17/2016 2:45:00 PM | 405900.000 | 70.206 | 17.342 |
| 158.145 | 38657.941 | 45280.828 | 29.488 |
| 30.791 | 25.868 | 1.021 | |

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| 10/17/2016 3:00:00 PM | 406800.000 | 70.201 | 17.341 |
| 158.135 | 38630.188 | 45249.926 | 29.466 |
| 30.770 | 25.886 | 1.021 | |
| 10/17/2016 3:15:00 PM | 407700.000 | 70.191 | 17.339 |
| 158.111 | 38661.574 | 45288.723 | 29.494 |
| 30.796 | 25.865 | 1.021 | |
| 10/17/2016 3:30:00 PM | 408600.000 | 70.189 | 17.336 |
| 158.107 | 38687.516 | 45321.961 | 29.517 |
| 30.819 | 25.848 | 1.021 | |
| 10/17/2016 3:45:00 PM | 409500.000 | 70.178 | 17.336 |
| 158.083 | 38716.961 | 45356.617 | 29.543 |
| 30.843 | 25.828 | 1.021 | |
| 10/17/2016 4:00:00 PM | 410400.000 | 70.176 | 17.333 |
| 158.079 | 38672.063 | 45307.227 | 29.507 |
| 30.809 | 25.858 | 1.021 | |
| 10/17/2016 4:15:00 PM | 411300.000 | 70.168 | 17.336 |
| 158.061 | 38673.684 | 45305.309 | 29.505 |
| 30.808 | 25.857 | 1.021 | |
| 10/17/2016 4:30:00 PM | 412200.000 | 70.156 | 17.338 |
| 158.034 | 38612.008 | 45231.379 | 29.452 |
| 30.757 | 25.899 | 1.021 | |
| 10/17/2016 4:45:00 PM | 413100.000 | 70.149 | 17.337 |
| 158.018 | 38637.699 | 45262.094 | 29.474 |
| 30.778 | 25.881 | 1.021 | |
| 10/17/2016 5:00:00 PM | 414000.000 | 70.137 | 17.335 |
| 157.991 | 38622.953 | 45246.941 | 29.463 |
| 30.768 | 25.891 | 1.021 | |
| 10/17/2016 5:15:00 PM | 414900.000 | 70.114 | 17.335 |
| 157.939 | 38615.496 | 45238.555 | 29.457 |
| 30.762 | 25.896 | 1.021 | |
| 10/17/2016 5:30:00 PM | 415800.000 | 70.118 | 17.337 |
| 157.948 | 38654.625 | 45281.996 | 29.489 |
| 30.792 | 25.870 | 1.021 | |
| 10/17/2016 5:45:00 PM | 416700.000 | 70.103 | 17.338 |
| 157.914 | 38624.883 | 45246.461 | 29.463 |
| 30.768 | 25.890 | 1.021 | |
| 10/17/2016 6:00:00 PM | 417600.000 | 70.100 | 17.338 |
| 157.906 | 38589.469 | 45204.707 | 29.433 |
| 30.739 | 25.914 | 1.021 | |
| 10/17/2016 6:15:00 PM | 418500.000 | 70.089 | 17.337 |
| 157.881 | 38666.773 | 45296.152 | 29.499 |
| 30.801 | 25.862 | 1.021 | |
| 10/17/2016 6:30:00 PM | 419400.000 | 70.079 | 17.339 |
| 157.861 | 38648.051 | 45272.172 | 29.482 |
| 30.785 | 25.875 | 1.021 | |
| 10/17/2016 6:45:00 PM | 420300.000 | 70.054 | 17.341 |
| 157.802 | 38617.773 | 45234.766 | 29.455 |
| 30.760 | 25.895 | 1.021 | |
| 10/17/2016 7:00:00 PM | 421200.000 | 70.060 | 17.340 |
| 157.817 | 38635.715 | 45256.664 | 29.470 |
| 30.775 | 25.883 | 1.021 | |
| 10/17/2016 7:15:00 PM | 422100.000 | 70.053 | 17.335 |
| 157.802 | 38677.129 | 45311.031 | 29.509 |
| 30.812 | 25.855 | 1.021 | |
| 10/17/2016 7:30:00 PM | 423000.000 | 70.048 | 17.337 |

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|---|---|---|---|
| 157.791 | 38647.164 | 45273.082 | 29.482 |
| 30.786 | 25.875 | 1.021 | |
| 10/17/2016 7:45:00 PM | 423900.000 | 70.039 | 17.338 |
| 157.770 | 38555.086 | 45165.039 | 29.404 |
| 30.712 | 25.937 | 1.021 | |
| 10/17/2016 8:00:00 PM | 424800.000 | 70.035 | 17.338 |
| 157.761 | 38624.859 | 45246.875 | 29.463 |
| 30.768 | 25.890 | 1.021 | |
| 10/17/2016 8:15:00 PM | 425700.000 | 70.029 | 17.336 |
| 157.748 | 38579.477 | 45194.859 | 29.425 |
| 30.733 | 25.921 | 1.021 | |
| 10/17/2016 8:30:00 PM | 426600.000 | 70.026 | 17.342 |
| 157.741 | 38612.707 | 45228.125 | 29.450 |
| 30.755 | 25.898 | 1.021 | |
| 10/17/2016 8:45:00 PM | 427500.000 | 70.005 | 17.337 |
| 157.694 | 38672.613 | 45303.258 | 29.504 |
| 30.806 | 25.858 | 1.021 | |
| 10/17/2016 9:00:00 PM | 428400.000 | 70.020 | 17.340 |
| 157.726 | 38578.539 | 45190.574 | 29.423 |
| 30.730 | 25.921 | 1.021 | |
| 10/17/2016 9:15:00 PM | 429300.000 | 70.017 | 17.337 |
| 157.721 | 38566.348 | 45179.129 | 29.414 |
| 30.722 | 25.929 | 1.021 | |
| 10/17/2016 9:30:00 PM | 430200.000 | 70.004 | 17.332 |
| 157.690 | 38640.535 | 45270.379 | 29.480 |
| 30.784 | 25.880 | 1.021 | |
| 10/17/2016 9:45:00 PM | 431100.000 | 70.024 | 17.338 |
| 157.735 | 38620.043 | 45240.875 | 29.459 |
| 30.764 | 25.893 | 1.021 | |
| 10/17/2016 10:00:00 PM | 432000.000 | 70.022 | 17.340 |
| 157.732 | 38650.195 | 45274.160 | 29.483 |
| 30.786 | 25.873 | 1.021 | |
| 10/17/2016 10:15:00 PM | 432900.000 | 70.022 | 17.341 |
| 157.731 | 38599.152 | 45213.301 | 29.439 |
| 30.745 | 25.907 | 1.021 | |
| 10/17/2016 10:30:00 PM | 433800.000 | 70.029 | 17.335 |
| 157.746 | 38594.078 | 45213.734 | 29.439 |
| 30.745 | 25.911 | 1.021 | |
| 10/17/2016 10:45:00 PM | 434700.000 | 70.032 | 17.339 |
| 157.755 | 38629.426 | 45250.988 | 29.466 |
| 30.771 | 25.887 | 1.021 | |
| 10/17/2016 11:00:00 PM | 435600.000 | 70.040 | 17.344 |
| 157.771 | 38680.660 | 45305.770 | 29.506 |
| 30.808 | 25.853 | 1.021 | |
| 10/17/2016 11:15:00 PM | 436500.000 | 70.047 | 17.338 |
| 157.788 | 38575.668 | 45189.148 | 29.421 |
| 30.729 | 25.923 | 1.021 | |
| 10/17/2016 11:30:00 PM | 437400.000 | 70.052 | 17.336 |
| 157.798 | 38567.270 | 45181.180 | 29.415 |
| 30.723 | 25.929 | 1.021 | |
| 10/17/2016 11:45:00 PM | 438300.000 | 70.058 | 17.344 |
| 157.812 | 38581.207 | 45189.359 | 29.422 |
| 30.729 | 25.919 | 1.021 | |
| 10/18/2016 12:00:00 AM | 439200.000 | 70.064 | 17.336 |
| 157.827 | 38577.137 | 45192.652 | 29.424 |

30.731 25.922 1.021
10/18/2016 12:15:00 AM 440100.000 70.071 17.339
157.842 38553.340 45162.039 29.402
30.710 25.938 1.021
10/18/2016 12:30:00 AM 441000.000 70.077 17.334
157.856 38624.074 45249.059 29.465
30.769 25.891 1.021
10/18/2016 12:45:00 AM 441900.000 70.086 17.340
157.875 38592.082 45205.992 29.434
30.740 25.912 1.021
10/18/2016 1:00:00 AM 442800.000 70.088 17.340
157.880 38553.133 45160.016 29.400
30.709 25.938 1.021
10/18/2016 1:15:00 AM 443700.000 70.085 17.332
157.873 38610.508 45235.375 29.455
30.760 25.900 1.021
10/18/2016 1:30:00 AM 444600.000 70.094 17.337
157.893 38566.730 45179.133 29.414
30.722 25.929 1.021
10/18/2016 1:45:00 AM 445500.000 70.108 17.337
157.926 38579.734 45194.266 29.425
30.732 25.920 1.021
10/18/2016 2:00:00 AM 446400.000 70.114 17.342
157.939 38568.598 45176.016 29.412
30.720 25.928 1.021
10/18/2016 2:15:00 AM 447300.000 70.102 17.339
157.912 38542.516 45149.258 29.393
30.701 25.945 1.021
10/18/2016 2:30:00 AM 448200.000 70.120 17.339
157.952 38562.855 45172.465 29.409
30.717 25.932 1.021
10/18/2016 2:45:00 AM 449100.000 70.124 17.337
157.961 38573.934 45187.293 29.420
30.727 25.924 1.021
10/18/2016 3:00:00 AM 450000.000 70.125 17.341
157.964 38547.387 45152.402 29.395
30.704 25.942 1.021
10/18/2016 3:15:00 AM 450900.000 70.114 17.336
157.939 38563.383 45176.184 29.412
30.720 25.931 1.021
10/18/2016 3:30:00 AM 451800.000 70.126 17.335
157.965 38600.367 45220.305 29.444
30.750 25.906 1.021
10/18/2016 3:45:00 AM 452700.000 70.129 17.339
157.972 38520.602 45123.055 29.374
30.684 25.960 1.021
10/18/2016 4:00:00 AM 453600.000 70.124 17.336
157.961 38539.402 45148.090 29.392
30.701 25.947 1.021
10/18/2016 4:15:00 AM 454500.000 70.122 17.334
157.956 38498.008 45101.449 29.358
30.669 25.975 1.021
10/18/2016 4:30:00 AM 455400.000 70.108 17.333
157.925 38576.395 45194.867 29.425
30.733 25.923 1.021

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|---|---|---|---|
| 10/18/2016 4:45:00 AM | 456300.000 | 70.121 | 17.336 |
| 157.955 | 38530.785 | 45138.613 | 29.385 |
| 30.694 | 25.953 | 1.021 | |
| 10/18/2016 5:00:00 AM | 457200.000 | 70.115 | 17.341 |
| 157.940 | 38535.465 | 45138.176 | 29.385 |
| 30.694 | 25.950 | 1.021 | |
| 10/18/2016 5:15:00 AM | 458100.000 | 70.098 | 17.333 |
| 157.903 | 38564.379 | 45181.066 | 29.415 |
| 30.723 | 25.931 | 1.021 | |
| 10/18/2016 5:30:00 AM | 459000.000 | 70.106 | 17.338 |
| 157.920 | 38553.379 | 45163.141 | 29.403 |
| 30.711 | 25.938 | 1.021 | |
| 10/18/2016 5:45:00 AM | 459900.000 | 70.092 | 17.337 |
| 157.890 | 38553.512 | 45163.473 | 29.403 |
| 30.711 | 25.938 | 1.021 | |
| 10/18/2016 6:00:00 AM | 460800.000 | 70.102 | 17.334 |
| 157.911 | 38490.926 | 45093.508 | 29.352 |
| 30.664 | 25.980 | 1.021 | |
| 10/18/2016 6:15:00 AM | 461700.000 | 70.098 | 17.335 |
| 157.904 | 38543.754 | 45154.684 | 29.396 |
| 30.705 | 25.945 | 1.021 | |
| 10/18/2016 6:30:00 AM | 462600.000 | 70.076 | 17.336 |
| 157.854 | 38576.801 | 45192.164 | 29.423 |
| 30.731 | 25.922 | 1.021 | |
| 10/18/2016 6:45:00 AM | 463500.000 | 70.091 | 17.335 |
| 157.887 | 38515.305 | 45121.180 | 29.372 |
| 30.682 | 25.964 | 1.021 | |
| 10/18/2016 7:00:00 AM | 464400.000 | 70.072 | 17.335 |
| 157.845 | 38524.422 | 45131.605 | 29.380 |
| 30.689 | 25.958 | 1.021 | |
| 10/18/2016 7:15:00 AM | 465300.000 | 70.072 | 17.341 |
| 157.845 | 38542.758 | 45147.242 | 29.391 |
| 30.700 | 25.945 | 1.021 | |
| 10/18/2016 7:30:00 AM | 466200.000 | 70.082 | 17.334 |
| 157.868 | 38549.621 | 45162.191 | 29.402 |
| 30.710 | 25.941 | 1.021 | |
| 10/18/2016 7:45:00 AM | 467100.000 | 70.081 | 17.340 |
| 157.865 | 38546.375 | 45152.191 | 29.395 |
| 30.703 | 25.943 | 1.021 | |
| 10/18/2016 8:00:00 AM | 468000.000 | 70.080 | 17.337 |
| 157.863 | 38500.238 | 45101.066 | 29.358 |
| 30.669 | 25.974 | 1.021 | |
| 10/18/2016 8:15:00 AM | 468900.000 | 70.068 | 17.338 |
| 157.836 | 38606.262 | 45225.090 | 29.447 |
| 30.753 | 25.903 | 1.021 | |
| 10/18/2016 8:30:00 AM | 469800.000 | 70.082 | 17.340 |
| 157.866 | 38529.898 | 45132.715 | 29.381 |
| 30.690 | 25.954 | 1.021 | |
| 10/18/2016 8:45:00 AM | 470700.000 | 70.083 | 17.334 |
| 157.869 | 38548.070 | 45160.199 | 29.400 |
| 30.709 | 25.942 | 1.021 | |
| 10/18/2016 9:00:00 AM | 471600.000 | 70.074 | 17.336 |
| 157.849 | 38495.059 | 45096.848 | 29.354 |
| 30.666 | 25.977 | 1.021 | |
| 10/18/2016 9:15:00 AM | 472500.000 | 70.078 | 17.338 |

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|---|---|---|---|
| 157.857 | 38533.031 | 45139.305 | 29.385 |
| 30.695 | 25.952 | 1.021 | |
| 10/18/2016 9:30:00 AM | 473400.000 | 70.100 | 17.339 |
| 157.908 | 38513.879 | 45115.273 | 29.368 |
| 30.678 | 25.965 | 1.021 | |
| 10/18/2016 9:45:00 AM | 474300.000 | 70.111 | 17.331 |
| 157.932 | 38457.090 | 45056.605 | 29.325 |
| 30.638 | 26.003 | 1.021 | |
| 10/18/2016 10:00:00 AM | 475200.000 | 70.110 | 17.334 |
| 157.930 | 38522.883 | 45131.027 | 29.379 |
| 30.689 | 25.959 | 1.021 | |
| 10/18/2016 10:15:00 AM | 476100.000 | 70.120 | 17.339 |
| 157.952 | 38513.258 | 45115.160 | 29.368 |
| 30.678 | 25.965 | 1.021 | |
| 10/18/2016 10:30:00 AM | 477000.000 | 70.130 | 17.335 |
| 157.974 | 38501.180 | 45104.809 | 29.360 |
| 30.671 | 25.973 | 1.021 | |
| 10/18/2016 10:45:00 AM | 477900.000 | 70.137 | 17.334 |
| 157.991 | 38507.023 | 45112.895 | 29.366 |
| 30.677 | 25.969 | 1.021 | |
| 10/18/2016 11:00:00 AM | 478800.000 | 70.147 | 17.336 |
| 158.012 | 38489.531 | 45089.754 | 29.349 |
| 30.661 | 25.981 | 1.021 | |
| 10/18/2016 11:15:00 AM | 479700.000 | 70.152 | 17.338 |
| 158.024 | 38539.219 | 45146.375 | 29.390 |
| 30.700 | 25.948 | 1.021 | |
| 10/18/2016 11:30:00 AM | 480600.000 | 70.151 | 17.335 |
| 158.023 | 38548.035 | 45159.086 | 29.399 |
| 30.708 | 25.942 | 1.021 | |
| 10/18/2016 11:45:00 AM | 481500.000 | 70.172 | 17.341 |
| 158.068 | 38535.008 | 45138.520 | 29.385 |
| 30.694 | 25.950 | 1.021 | |
| 10/18/2016 12:00:00 PM | 482400.000 | 70.181 | 17.339 |
| 158.089 | 38496.988 | 45095.488 | 29.354 |
| 30.665 | 25.976 | 1.021 | |
| 10/18/2016 12:15:00 PM | 483300.000 | 70.195 | 17.338 |
| 158.120 | 38492.793 | 45092.066 | 29.351 |
| 30.663 | 25.979 | 1.021 | |
| 10/18/2016 12:30:00 PM | 484200.000 | 70.198 | 17.344 |
| 158.128 | 38490.766 | 45083.348 | 29.345 |
| 30.657 | 25.980 | 1.021 | |
| 10/18/2016 12:45:00 PM | 485100.000 | 70.208 | 17.338 |
| 158.150 | 38488.543 | 45086.480 | 29.347 |
| 30.659 | 25.982 | 1.021 | |
| 10/18/2016 1:00:00 PM | 486000.000 | 70.219 | 17.338 |
| 158.175 | 38489.887 | 45087.965 | 29.348 |
| 30.660 | 25.981 | 1.021 | |
| 10/18/2016 1:15:00 PM | 486900.000 | 70.223 | 17.337 |
| 158.185 | 38480.395 | 45077.719 | 29.341 |
| 30.653 | 25.987 | 1.021 | |
| 10/18/2016 1:30:00 PM | 487800.000 | 70.236 | 17.336 |
| 158.213 | 38534.820 | 45142.723 | 29.388 |
| 30.697 | 25.951 | 1.021 | |
| 10/18/2016 1:45:00 PM | 488700.000 | 70.223 | 17.341 |
| 158.185 | 38462.250 | 45052.594 | 29.323 |

30.636 26.000 1.021
10/18/2016 2:00:00 PM 489600.000 70.244 17.331
158.232 38461.066 45061.613 29.329
30.642 26.000 1.021
10/18/2016 2:15:00 PM 490500.000 70.232 17.337
158.204 38544.742 45153.098 29.395
30.704 25.944 1.021
10/18/2016 2:30:00 PM 491400.000 70.244 17.334
158.232 38518.879 45126.699 29.376
30.686 25.961 1.021
10/18/2016 2:45:00 PM 492300.000 70.233 17.338
158.206 38512.355 45114.906 29.368
30.678 25.966 1.021
10/18/2016 3:00:00 PM 493200.000 70.230 17.341
158.201 38438.938 45025.285 29.303
30.617 26.015 1.021
10/18/2016 3:15:00 PM 494100.000 70.225 17.331
158.189 38468.141 45069.551 29.334
30.647 25.996 1.021
10/18/2016 3:30:00 PM 495000.000 70.227 17.336
158.193 38436.734 45028.434 29.305
30.619 26.017 1.021
10/18/2016 3:45:00 PM 495900.000 70.220 17.340
158.177 38451.297 45040.727 29.314
30.628 26.007 1.021
10/18/2016 4:00:00 PM 496800.000 70.229 17.338
158.198 38444.004 45034.656 29.310
30.624 26.012 1.021
10/18/2016 4:15:00 PM 497700.000 70.225 17.339
158.188 38485.211 45081.953 29.344
30.656 25.984 1.021
10/18/2016 4:30:00 PM 498600.000 70.196 17.340
158.123 38496.676 45093.883 29.353
30.664 25.976 1.021
10/18/2016 4:45:00 PM 499500.000 70.190 17.341
158.110 38465.969 45056.848 29.326
30.639 25.997 1.021
10/18/2016 5:00:00 PM 500400.000 70.182 17.330
158.091 38433.480 45030.348 29.306
30.621 26.019 1.021
10/18/2016 5:15:00 PM 501300.000 70.185 17.338
158.100 38409.184 44994.121 29.280
30.596 26.035 1.021
10/18/2016 5:30:00 PM 502200.000 70.174 17.334
158.075 38499.363 45103.223 29.359
30.670 25.974 1.021
10/18/2016 5:45:00 PM 503100.000 70.148 17.339
158.016 38481.563 45077.680 29.341
30.653 25.986 1.021
10/18/2016 6:00:00 PM 504000.000 70.152 17.341
158.025 38452.383 45041.035 29.314
30.628 26.006 1.021
10/18/2016 6:15:00 PM 504900.000 70.139 17.337
157.994 38528.000 45134.117 29.381
30.691 25.955 1.021

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| 10/18/2016 6:30:00 PM | 505800.000 | 70.129 | 17.337 |
| 157.971 | 38424.164 | 45012.125 | 29.293 |
| 30.608 | 26.025 | 1.021 | |
| 10/18/2016 6:45:00 PM | 506700.000 | 70.118 | 17.338 |
| 157.948 | 38448.871 | 45039.918 | 29.313 |
| 30.627 | 26.009 | 1.021 | |
| 10/18/2016 7:00:00 PM | 507600.000 | 70.107 | 17.341 |
| 157.922 | 38419.500 | 45003.039 | 29.287 |
| 30.602 | 26.028 | 1.021 | |
| 10/18/2016 7:15:00 PM | 508500.000 | 70.096 | 17.333 |
| 157.899 | 38430.695 | 45024.172 | 29.302 |
| 30.616 | 26.021 | 1.021 | |
| 10/18/2016 7:30:00 PM | 509400.000 | 70.071 | 17.337 |
| 157.842 | 38420.758 | 45008.395 | 29.290 |
| 30.606 | 26.028 | 1.021 | |
| 10/18/2016 7:45:00 PM | 510300.000 | 70.072 | 17.340 |
| 157.844 | 38478.215 | 45072.348 | 29.337 |
| 30.649 | 25.989 | 1.021 | |
| 10/18/2016 8:00:00 PM | 511200.000 | 70.060 | 17.341 |
| 157.817 | 38477.828 | 45071.098 | 29.336 |
| 30.648 | 25.989 | 1.021 | |
| 10/18/2016 8:15:00 PM | 512100.000 | 70.054 | 17.344 |
| 157.803 | 38459.734 | 45046.820 | 29.319 |
| 30.632 | 26.001 | 1.021 | |
| 10/18/2016 8:30:00 PM | 513000.000 | 70.046 | 17.339 |
| 157.786 | 38406.113 | 44989.574 | 29.277 |
| 30.593 | 26.038 | 1.021 | |
| 10/18/2016 8:45:00 PM | 513900.000 | 70.037 | 17.339 |
| 157.765 | 38429.770 | 45016.652 | 29.297 |
| 30.611 | 26.021 | 1.021 | |
| 10/18/2016 9:00:00 PM | 514800.000 | 70.019 | 17.334 |
| 157.726 | 38421.551 | 45012.152 | 29.293 |
| 30.608 | 26.027 | 1.021 | |
| 10/18/2016 9:15:00 PM | 515700.000 | 70.025 | 17.335 |
| 157.737 | 38420.832 | 45010.332 | 29.292 |
| 30.607 | 26.028 | 1.021 | |
| 10/18/2016 9:30:00 PM | 516600.000 | 70.023 | 17.335 |
| 157.733 | 38476.133 | 45074.766 | 29.338 |
| 30.651 | 25.990 | 1.021 | |
| 10/18/2016 9:45:00 PM | 517500.000 | 70.018 | 17.339 |
| 157.723 | 38411.336 | 44995.691 | 29.281 |
| 30.597 | 26.034 | 1.021 | |
| 10/18/2016 10:00:00 PM | 518400.000 | 70.013 | 17.341 |
| 157.712 | 38397.770 | 44977.410 | 29.268 |
| 30.585 | 26.043 | 1.021 | |
| 10/18/2016 10:15:00 PM | 519300.000 | 70.001 | 17.337 |
| 157.684 | 38467.438 | 45063.426 | 29.330 |
| 30.643 | 25.996 | 1.021 | |
| 10/18/2016 10:30:00 PM | 520200.000 | 70.019 | 17.338 |
| 157.725 | 38396.887 | 44979.020 | 29.269 |
| 30.586 | 26.044 | 1.021 | |
| 10/18/2016 10:45:00 PM | 521100.000 | 70.023 | 17.338 |
| 157.733 | 38421.422 | 45008.383 | 29.291 |
| 30.606 | 26.027 | 1.021 | |
| 10/18/2016 11:00:00 PM | 522000.000 | 70.021 | 17.338 |

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|---|---|---|---|
| 157.728 | 38450.852 | 45042.934 | 29.316 |
| 30.629 | 26.007 | 1.021 | |
| 10/18/2016 11:15:00 PM | 522900.000 | 70.023 | 17.340 |
| 157.733 | 38416.273 | 44999.793 | 29.284 |
| 30.600 | 26.031 | 1.021 | |
| 10/18/2016 11:30:00 PM | 523800.000 | 70.028 | 17.341 |
| 157.745 | 38417.125 | 45000.082 | 29.285 |
| 30.600 | 26.030 | 1.021 | |
| 10/18/2016 11:45:00 PM | 524700.000 | 70.032 | 17.339 |
| 157.754 | 38429.918 | 45017.461 | 29.297 |
| 30.612 | 26.021 | 1.021 | |
| 10/19/2016 12:00:00 AM | 525600.000 | 70.036 | 17.336 |
| 157.763 | 38389.473 | 44972.891 | 29.265 |
| 30.582 | 26.049 | 1.021 | |
| 10/19/2016 12:15:00 AM | 526500.000 | 70.043 | 17.342 |
| 157.778 | 38410.535 | 44991.570 | 29.279 |
| 30.594 | 26.035 | 1.021 | |
| 10/19/2016 12:30:00 AM | 527400.000 | 70.050 | 17.335 |
| 157.795 | 38395.535 | 44980.430 | 29.270 |
| 30.587 | 26.045 | 1.021 | |
| 10/19/2016 12:45:00 AM | 528300.000 | 70.053 | 17.336 |
| 157.802 | 38391.676 | 44975.387 | 29.267 |
| 30.583 | 26.047 | 1.021 | |
| 10/19/2016 1:00:00 AM | 529200.000 | 70.049 | 17.335 |
| 157.792 | 38470.164 | 45067.859 | 29.333 |
| 30.646 | 25.994 | 1.021 | |
| 10/19/2016 1:15:00 AM | 530100.000 | 70.057 | 17.330 |
| 157.811 | 38365.891 | 44950.727 | 29.248 |
| 30.566 | 26.065 | 1.021 | |
| 10/19/2016 1:30:00 AM | 531000.000 | 70.059 | 17.337 |
| 157.815 | 38408.645 | 44994.203 | 29.280 |
| 30.596 | 26.036 | 1.021 | |
| 10/19/2016 1:45:00 AM | 531900.000 | 70.079 | 17.337 |
| 157.859 | 38400.289 | 44984.762 | 29.273 |
| 30.590 | 26.041 | 1.021 | |
| 10/19/2016 2:00:00 AM | 532800.000 | 70.086 | 17.337 |
| 157.876 | 38375.305 | 44955.238 | 29.252 |
| 30.570 | 26.058 | 1.021 | |
| 10/19/2016 2:15:00 AM | 533700.000 | 70.095 | 17.335 |
| 157.895 | 38355.289 | 44933.719 | 29.236 |
| 30.555 | 26.072 | 1.021 | |
| 10/19/2016 2:30:00 AM | 534600.000 | 70.093 | 17.339 |
| 157.892 | 38443.051 | 45032.844 | 29.308 |
| 30.622 | 26.013 | 1.021 | |
| 10/19/2016 2:45:00 AM | 535500.000 | 70.102 | 17.338 |
| 157.912 | 38406.047 | 44990.109 | 29.277 |
| 30.593 | 26.038 | 1.021 | |
| 10/19/2016 3:00:00 AM | 536400.000 | 70.113 | 17.339 |
| 157.936 | 38417.363 | 45002.828 | 29.287 |
| 30.602 | 26.030 | 1.021 | |
| 10/19/2016 3:15:00 AM | 537300.000 | 70.114 | 17.336 |
| 157.939 | 38373.820 | 44954.117 | 29.251 |
| 30.569 | 26.059 | 1.021 | |
| 10/19/2016 3:30:00 AM | 538200.000 | 70.099 | 17.335 |
| 157.906 | 38376.590 | 44958.766 | 29.254 |

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|---|---|---|---|
| 30.572 | 26.058 | 1.021 | |
| 10/19/2016 3:45:00 AM | 539100.000 | 70.113 | 17.331 |
| 157.937 | 38361.414 | 44944.586 | 29.244 |
| 30.562 | 26.068 | 1.021 | |
| 10/19/2016 4:00:00 AM | 540000.000 | 70.122 | 17.335 |
| 157.958 | 38357.727 | 44936.324 | 29.238 |
| 30.557 | 26.070 | 1.021 | |
| 10/19/2016 4:15:00 AM | 540900.000 | 70.120 | 17.345 |
| 157.953 | 38406.680 | 44984.063 | 29.273 |
| 30.589 | 26.037 | 1.021 | |
| 10/19/2016 4:30:00 AM | 541800.000 | 70.123 | 17.332 |
| 157.958 | 38338.359 | 44916.969 | 29.224 |
| 30.544 | 26.084 | 1.021 | |
| 10/19/2016 4:45:00 AM | 542700.000 | 70.111 | 17.336 |
| 157.932 | 38383.594 | 44966.180 | 29.260 |
| 30.577 | 26.053 | 1.021 | |
| 10/19/2016 5:00:00 AM | 543600.000 | 70.123 | 17.337 |
| 157.958 | 38352.844 | 44928.750 | 29.233 |
| 30.552 | 26.074 | 1.021 | |
| 10/19/2016 5:15:00 AM | 544500.000 | 70.122 | 17.337 |
| 157.956 | 38345.102 | 44919.230 | 29.226 |
| 30.545 | 26.079 | 1.021 | |
| 10/19/2016 5:30:00 AM | 545400.000 | 70.104 | 17.339 |
| 157.917 | 38338.398 | 44909.715 | 29.219 |
| 30.539 | 26.084 | 1.021 | |
| 10/19/2016 5:45:00 AM | 546300.000 | 70.102 | 17.336 |
| 157.911 | 38334.680 | 44908.172 | 29.218 |
| 30.538 | 26.086 | 1.021 | |
| 10/19/2016 6:00:00 AM | 547200.000 | 70.119 | 17.339 |
| 157.950 | 38371.414 | 44948.297 | 29.247 |
| 30.565 | 26.061 | 1.021 | |
| 10/19/2016 6:15:00 AM | 548100.000 | 70.114 | 17.339 |
| 157.938 | 38379.043 | 44957.684 | 29.254 |
| 30.571 | 26.056 | 1.021 | |
| 10/19/2016 6:30:00 AM | 549000.000 | 70.114 | 17.335 |
| 157.938 | 38363.074 | 44942.492 | 29.243 |
| 30.561 | 26.067 | 1.021 | |
| 10/19/2016 6:45:00 AM | 549900.000 | 70.106 | 17.340 |
| 157.921 | 38338.102 | 44908.668 | 29.218 |
| 30.538 | 26.084 | 1.021 | |
| 10/19/2016 7:00:00 AM | 550800.000 | 70.108 | 17.335 |
| 157.926 | 38377.891 | 44960.371 | 29.256 |
| 30.573 | 26.057 | 1.021 | |
| 10/19/2016 7:15:00 AM | 551700.000 | 70.104 | 17.334 |
| 157.917 | 38319.207 | 44892.332 | 29.206 |
| 30.527 | 26.097 | 1.021 | |
| 10/19/2016 7:30:00 AM | 552600.000 | 70.102 | 17.338 |
| 157.911 | 38300.410 | 44866.098 | 29.188 |
| 30.509 | 26.109 | 1.021 | |
| 10/19/2016 7:45:00 AM | 553500.000 | 70.100 | 17.336 |
| 157.908 | 38401.277 | 44986.367 | 29.275 |
| 30.591 | 26.041 | 1.021 | |
| 10/19/2016 8:00:00 AM | 554400.000 | 70.086 | 17.338 |
| 157.876 | 38335.605 | 44907.594 | 29.218 |
| 30.537 | 26.085 | 1.021 | |

| | | | |
|---|---|---|---|
| 10/19/2016 8:15:00 AM | 555300.000 | 70.083 | 17.337 |
| 157.869 | 38352.887 | 44928.887 | 29.233 |
| 30.552 | 26.074 | 1.021 | |
| 10/19/2016 8:30:00 AM | 556200.000 | 70.094 | 17.343 |
| 157.894 | 38392.156 | 44968.379 | 29.262 |
| 30.578 | 26.047 | 1.021 | |
| 10/19/2016 8:45:00 AM | 557100.000 | 70.083 | 17.337 |
| 157.869 | 38329.426 | 44901.043 | 29.213 |
| 30.533 | 26.090 | 1.021 | |
| 10/19/2016 9:00:00 AM | 558000.000 | 70.095 | 17.330 |
| 157.896 | 38342.977 | 44924.586 | 29.229 |
| 30.549 | 26.080 | 1.021 | |
| 10/19/2016 9:15:00 AM | 558900.000 | 70.101 | 17.341 |
| 157.910 | 38365.816 | 44940.078 | 29.241 |
| 30.559 | 26.065 | 1.021 | |
| 10/19/2016 9:30:00 AM | 559800.000 | 70.088 | 17.331 |
| 157.879 | 38354.031 | 44935.859 | 29.238 |
| 30.556 | 26.073 | 1.021 | |
| 10/19/2016 9:45:00 AM | 560700.000 | 70.105 | 17.335 |
| 157.918 | 38330.773 | 44904.996 | 29.216 |
| 30.535 | 26.089 | 1.021 | |
| 10/19/2016 10:00:00 AM | 561600.000 | 70.095 | 17.333 |
| 157.896 | 38332.199 | 44909.051 | 29.218 |
| 30.538 | 26.088 | 1.021 | |
| 10/19/2016 10:15:00 AM | 562500.000 | 70.099 | 17.334 |
| 157.906 | 38360.555 | 44940.695 | 29.241 |
| 30.560 | 26.068 | 1.021 | |
| 10/19/2016 10:30:00 AM | 563400.000 | 70.120 | 17.340 |
| 157.952 | 38371.234 | 44947.566 | 29.247 |
| 30.564 | 26.061 | 1.021 | |
| 10/19/2016 10:45:00 AM | 564300.000 | 70.124 | 17.335 |
| 157.961 | 38390.238 | 44974.758 | 29.266 |
| 30.583 | 26.048 | 1.021 | |
| 10/19/2016 11:00:00 AM | 565200.000 | 70.133 | 17.338 |
| 157.981 | 38327.121 | 44897.387 | 29.210 |
| 30.530 | 26.091 | 1.021 | |
| 10/19/2016 11:15:00 AM | 566100.000 | 70.137 | 17.338 |
| 157.991 | 38344.164 | 44917.617 | 29.225 |
| 30.544 | 26.080 | 1.021 | |
| 10/19/2016 11:30:00 AM | 567000.000 | 70.148 | 17.339 |
| 158.015 | 38323.656 | 44892.883 | 29.207 |
| 30.527 | 26.094 | 1.021 | |
| 10/19/2016 11:45:00 AM | 567900.000 | 70.144 | 17.335 |
| 158.007 | 38328.805 | 44902.691 | 29.214 |
| 30.534 | 26.090 | 1.021 | |
| 10/19/2016 12:00:00 PM | 568800.000 | 70.167 | 17.334 |
| 158.058 | 38378.422 | 44961.535 | 29.256 |
| 30.574 | 26.056 | 1.021 | |
| 10/19/2016 12:15:00 PM | 569700.000 | 70.162 | 17.337 |
| 158.047 | 38321.824 | 44892.676 | 29.207 |
| 30.527 | 26.095 | 1.021 | |
| 10/19/2016 12:30:00 PM | 570600.000 | 70.170 | 17.337 |
| 158.064 | 38325.207 | 44896.723 | 29.210 |
| 30.530 | 26.092 | 1.021 | |
| 10/19/2016 12:45:00 PM | 571500.000 | 70.194 | 17.337 |

| | | | |
|---|---|---|---|
| 158.120 | 38356.453 | 44933.410 | 29.236 |
| 30.555 | 26.071 | 1.021 | |
| 10/19/2016 1:00:00 PM | 572400.000 | 70.204 | 17.336 |
| 158.142 | 38336.145 | 44910.164 | 29.219 |
| 30.539 | 26.085 | 1.021 | |
| 10/19/2016 1:15:00 PM | 573300.000 | 70.213 | 17.328 |
| 158.161 | 38300.980 | 44876.781 | 29.195 |
| 30.516 | 26.109 | 1.021 | |
| 10/19/2016 1:30:00 PM | 574200.000 | 70.219 | 17.334 |
| 158.174 | 38324.066 | 44898.199 | 29.211 |
| 30.531 | 26.093 | 1.021 | |
| 10/19/2016 1:45:00 PM | 575100.000 | 70.224 | 17.337 |
| 158.186 | 38338.473 | 44911.918 | 29.221 |
| 30.540 | 26.083 | 1.021 | |
| 10/19/2016 2:00:00 PM | 576000.000 | 70.215 | 17.336 |
| 158.167 | 38339.645 | 44914.594 | 29.223 |
| 30.542 | 26.083 | 1.021 | |
| 10/19/2016 2:15:00 PM | 576900.000 | 70.220 | 17.335 |
| 158.177 | 38305.871 | 44875.391 | 29.194 |
| 30.515 | 26.106 | 1.021 | |
| 10/19/2016 2:30:00 PM | 577800.000 | 70.223 | 17.333 |
| 158.185 | 38338.242 | 44915.855 | 29.223 |
| 30.543 | 26.084 | 1.021 | |
| 10/19/2016 2:45:00 PM | 578700.000 | 70.230 | 17.331 |
| 158.200 | 38329.434 | 44907.832 | 29.217 |
| 30.537 | 26.090 | 1.021 | |
| 10/19/2016 3:00:00 PM | 579600.000 | 70.231 | 17.333 |
| 158.202 | 38347.949 | 44926.625 | 29.231 |
| 30.550 | 26.077 | 1.021 | |
| 10/19/2016 3:15:00 PM | 580500.000 | 70.245 | 17.336 |
| 158.234 | 38321.254 | 44892.797 | 29.207 |
| 30.527 | 26.095 | 1.021 | |
| 10/19/2016 3:30:00 PM | 581400.000 | 70.243 | 17.337 |
| 158.230 | 38301.961 | 44869.055 | 29.190 |
| 30.511 | 26.108 | 1.021 | |
| 10/19/2016 3:45:00 PM | 582300.000 | 70.247 | 17.334 |
| 158.239 | 38340.383 | 44917.492 | 29.225 |
| 30.544 | 26.082 | 1.021 | |
| 10/19/2016 4:00:00 PM | 583200.000 | 70.244 | 17.333 |
| 158.232 | 38317.789 | 44891.992 | 29.206 |
| 30.527 | 26.098 | 1.021 | |
| 10/19/2016 4:15:00 PM | 584100.000 | 70.240 | 17.339 |
| 158.224 | 38326.551 | 44896.375 | 29.210 |
| 30.530 | 26.092 | 1.021 | |
| 10/19/2016 4:30:00 PM | 585000.000 | 70.235 | 17.339 |
| 158.210 | 38300.043 | 44864.516 | 29.187 |
| 30.508 | 26.110 | 1.021 | |
| 10/19/2016 4:45:00 PM | 585900.000 | 70.230 | 17.333 |
| 158.199 | 38298.230 | 44868.379 | 29.189 |
| 30.510 | 26.111 | 1.021 | |
| 10/19/2016 5:00:00 PM | 586800.000 | 70.221 | 17.337 |
| 158.179 | 38321.844 | 44892.438 | 29.207 |
| 30.527 | 26.095 | 1.021 | |
| 10/19/2016 5:15:00 PM | 587700.000 | 70.214 | 17.338 |
| 158.163 | 38323.789 | 44893.836 | 29.208 |

30.528 26.093 1.021
10/19/2016 5:30:00 PM 588600.000 70.205 17.335
158.143 38274.723 44839.332 29.168
30.491 26.127 1.021
10/19/2016 5:45:00 PM 589500.000 70.198 17.337
158.128 38284.352 44848.426 29.175
30.497 26.120 1.021
10/19/2016 6:00:00 PM 590400.000 70.173 17.336
158.071 38301.563 44869.980 29.190
30.512 26.109 1.021
10/19/2016 6:15:00 PM 591300.000 70.162 17.331
158.048 38264.125 44830.602 29.162
30.485 26.134 1.021
10/19/2016 6:30:00 PM 592200.000 70.167 17.334
158.059 38308.629 44880.113 29.198
30.518 26.104 1.021
10/19/2016 6:45:00 PM 593100.000 70.153 17.338
158.027 38319.391 44888.238 29.204
30.524 26.096 1.021
10/19/2016 7:00:00 PM 594000.000 70.141 17.337
157.999 38309.430 44877.805 29.196
30.517 26.103 1.021
10/19/2016 7:15:00 PM 594900.000 70.112 17.338
157.935 38307.742 44875.289 29.194
30.515 26.104 1.021
10/19/2016 7:30:00 PM 595800.000 70.117 17.331
157.945 38260.234 44826.043 29.158
30.482 26.137 1.021
10/19/2016 7:45:00 PM 596700.000 70.104 17.338
157.916 38293.961 44858.719 29.182
30.504 26.114 1.021
10/19/2016 8:00:00 PM 597600.000 70.095 17.336
157.896 38314.902 44884.824 29.201
30.522 26.100 1.021
10/19/2016 8:15:00 PM 598500.000 70.069 17.339
157.838 38273.309 44833.828 29.164
30.487 26.128 1.021
10/19/2016 8:30:00 PM 599400.000 70.059 17.333
157.814 38221.156 44778.254 29.124
30.449 26.164 1.021
10/19/2016 8:45:00 PM 600300.000 70.059 17.336
157.814 38353.805 44931.105 29.235
30.553 26.073 1.021
10/19/2016 9:00:00 PM 601200.000 70.053 17.337
157.801 38317.973 44887.984 29.203
30.524 26.097 1.021
10/19/2016 9:15:00 PM 602100.000 70.027 17.337
157.743 38283.063 44847.004 29.174
30.496 26.121 1.021
10/19/2016 9:30:00 PM 603000.000 70.020 17.331
157.727 38326.996 44904.102 29.215
30.535 26.091 1.021
10/19/2016 9:45:00 PM 603900.000 70.031 17.335
157.751 38318.641 44891.137 29.206
30.526 26.097 1.021

| | | | |
|---|---|---|---|
| 10/19/2016 10:00:00 PM | 604800.000 | 70.023 | 17.337 |
| 157.734 | 38279.117 | 44842.648 | 29.171 |
| 30.493 | 26.124 | 1.021 | |
| 10/19/2016 10:15:00 PM | 605700.000 | 70.014 | 17.336 |
| 157.713 | 38274.133 | 44837.688 | 29.167 |
| 30.490 | 26.127 | 1.021 | |
| 10/19/2016 10:30:00 PM | 606600.000 | 70.010 | 17.331 |
| 157.705 | 38255.566 | 44821.117 | 29.155 |
| 30.478 | 26.140 | 1.021 | |
| 10/19/2016 10:45:00 PM | 607500.000 | 70.009 | 17.333 |
| 157.703 | 38284.215 | 44851.957 | 29.177 |
| 30.499 | 26.120 | 1.021 | |
| 10/19/2016 11:00:00 PM | 608400.000 | 70.010 | 17.336 |
| 157.704 | 38311.473 | 44881.160 | 29.198 |
| 30.519 | 26.102 | 1.021 | |
| 10/19/2016 11:15:00 PM | 609300.000 | 70.006 | 17.338 |
| 157.695 | 38334.586 | 44906.305 | 29.217 |
| 30.536 | 26.086 | 1.021 | |
| 10/19/2016 11:30:00 PM | 610200.000 | 70.006 | 17.338 |
| 157.694 | 38314.371 | 44882.266 | 29.199 |
| 30.520 | 26.100 | 1.021 | |
| 10/19/2016 11:45:00 PM | 611100.000 | 69.993 | 17.332 |
| 157.666 | 38293.141 | 44863.379 | 29.185 |
| 30.507 | 26.114 | 1.021 | |

Report Date: 10/21/2016 8:26:13 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-8S LT Test_Append_2016-10-20_17-30-52-657-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-8S
Device Name:
Serial Number: 428966
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 3
Used Battery(%): 2

Log Configuration
Log Name: MPWSP MW-8S LT Test
Created By: KMakar
Computer Name: PROBOOK10
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 1/15/2016 9:06:50 AM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 1/15/2016 9:15:00 AM Pacific Standard Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.012

Other Log Settings
Depth of Probe: 78.3792 (ft)
Head Pressure: 34.3873 (PSI)
Temperature: 16.2281 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

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Log Notes:

| Date and Time | Note |
|---|---|
| 1/15/2016 9:07:00 AM | Used Battery: 2% Used Memory: 6% User Name: KMakar |
| 1/21/2016 9:00:38 AM | Log Download - Used Battery: 2% Used Memory: 3% User Name: KMakar |
| 1/28/2016 9:25:14 AM | Log Download - Used Battery: 2% Used Memory: 3% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 9:15:00 AM |
| 2/4/2016 10:20:54 AM | Log Download - Used Battery: 3% Used Memory: 4% User Name: CShaw Interval - Start Time: 1/15/2016 9:15:00 AM Stop Time: 2/4/2016 10:15:00 AM |
| 2/11/2016 10:08:06 AM | Log Download - Used Battery: 3% Used Memory: 6% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 11:00:00 AM |
| 2/18/2016 11:29:03 AM | Log Download - Used Battery: 3% Used Memory: 6% User Name: CShaw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 12:00:00 PM |
| 2/25/2016 10:53:00 AM | Log Download - Used Battery: 4% Used Memory: 7% User Name: KMakar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 10:45:00 AM |
| 3/3/2016 12:57:16 PM | Log Download - Used Battery: 4% Used Memory: 7% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 1:45:00 PM |
| 3/10/2016 2:40:43 PM | Log Download - Used Battery: 4% Used Memory: 9% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 2:30:00 PM |
| 3/17/2016 12:40:31 PM | Log Download - Used Battery: 5% Used Memory: 9% User Name: SKuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 1:30:00 PM |
| 3/24/2016 9:01:47 AM | Log Download - Used Battery: 5% Used Memory: 10% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 9:00:00 AM |
| 3/31/2016 3:14:11 PM | Log Download - Used Battery: 6% Used Memory: 10% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 4:00:00 PM |
| 4/7/2016 9:43:13 AM | Log Download - Used Battery: 6% Used Memory: 12% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 9:45:00 AM |
| 4/14/2016 3:18:15 PM | Log Download - Used Battery: 6% Used Memory: 12% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 4:15:00 PM |
| 4/21/2016 1:31:37 PM | Log Download - Used Battery: 7% Used Memory: 14% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 2:30:00 PM |
| 4/28/2016 8:25:33 AM | Log Download - Used Battery: 7% Used Memory: 14% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 8:15:00 AM |
| 5/5/2016 9:32:04 AM | Log Download - Used Battery: 7% Used Memory: 15% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 10:15:00 AM |
| 5/12/2016 10:18:00 AM | Log Download - Used Battery: 8% Used Memory: 15% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 10:15:00 AM |
| 5/19/2016 2:12:10 PM | Log Download - Used Battery: 8% Used Memory: 17% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 3:00:00 PM |
| 5/26/2016 9:07:12 AM | Log Download - Used Battery: 8% Used Memory: 17% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 9:00:00 AM |
| 6/2/2016 11:43:41 AM | Log Download - Used Battery: 9% Used Memory: 18% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 12:30:00 PM |
| 6/9/2016 9:35:52 AM | Log Download - Used Battery: 9% Used Memory: 18% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 10:30:00 AM |
| 6/16/2016 11:18:31 AM | Log Download - Used Battery: 9% Used Memory: 20% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 11:15:00 AM |
| 6/23/2016 10:12:15 AM | Log Download - Used Battery: 10% Used Memory: 20% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 10:00:00 AM |

7/1/2016 11:51:48 AM Log Download - Used Battery: 10% Used Memory: 21% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 11:45:00 AM
7/1/2016 11:53:22 AM Log Download - Used Battery: 10% Used Memory: 21% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 11:45:00 AM
7/8/2016 11:56:57 AM Log Download - Used Battery: 11% Used Memory: 23% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 11:30:00 AM
7/14/2016 6:00:29 PM Log Download - Used Battery: 11% Used Memory: 23% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 7:00:00 PM
7/21/2016 11:13:50 AM Log Download - Used Battery: 11% Used Memory: 25% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 11:00:00 AM
7/28/2016 6:19:29 PM Log Download - Used Battery: 12% Used Memory: 25% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 6:15:00 PM
8/4/2016 3:01:39 PM Log Download - Used Battery: 12% Used Memory: 26% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 3:45:00 PM
8/11/2016 10:51:12 AM Log Download - Used Battery: 12% Used Memory: 26% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 11:45:00 AM
8/18/2016 3:48:15 PM Log Download - Used Battery: 13% Used Memory: 28% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 4:45:00 PM
8/25/2016 12:33:04 PM Log Download - Used Battery: 13% Used Memory: 28% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 1:30:00 PM
9/1/2016 4:11:14 PM Log Download - Used Battery: 14% Used Memory: 29% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 4:00:00 PM
9/8/2016 6:27:01 PM Log Download - Used Battery: 14% Used Memory: 29% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 6:15:00 PM
9/15/2016 3:20:59 PM Log Download - Used Battery: 14% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 4:15:00 PM
9/22/2016 12:49:18 PM Log Download - Used Battery: 15% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 1:45:00 PM
10/1/2016 11:37:02 AM Log Download - Used Battery: 15% Used Memory: 32% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 12:30:00 PM
10/6/2016 12:03:26 PM Log Download - Used Battery: 15% Used Memory: 32% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/6/2016 12:00:00 PM
10/13/2016 4:33:05 PM Log Download - Used Battery: 16% Used Memory: 34% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 5:15:00 PM
10/20/2016 4:56:04 PM Log Download - Used Battery: 16% Used Memory: 34% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 4:30:00 PM
10/20/2016 5:30:23 PM Log Download - Used Battery: 16% Used Memory: 34% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 6:30:00 PM
10/21/2016 8:23:58 AM User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl""

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Log Data:
Record Count: 751
Sensors: 2
1 - 428966: PCTD 100 PSIA (60.1m/197.3ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor: PCTD(A) 197.3ft Sensor:

PCTD(A) 197.3ft Sensor: Baro-Adj Calc

SN#: 428966 SN#: 428966 SN#: 428966
SN#: 428966 SN#: 428966 SN#: 428966 SN#: 428966
SN#: 428966 SN#: 428966 SN#: 000000

| Date and Time | Elapsed Time Seconds | Corrected Pressure (PSI) | Temperature (C) | Corrected Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppm) | Resistivity (ohm-cm) | Water Density (g/cm3) | Barometric Pressure (PSI) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/13/2016 12:00:00 AM | 7200.000 | 18.991 | 16.273 | 43.286 | 686.447 | 823.760 | 0.407 | 560.156 | 1456.776 | 0.999 | 14.771 |
| 10/13/2016 12:15:00 AM | 8100.000 | 18.999 | 16.273 | 43.305 | 686.297 | 823.574 | 0.407 | 560.030 | 1457.096 | 0.999 | 14.771 |
| 10/13/2016 12:30:00 AM | 9000.000 | 18.993 | 16.273 | 43.290 | 686.236 | 823.500 | 0.407 | 559.980 | 1457.224 | 0.999 | 14.773 |
| 10/13/2016 12:45:00 AM | 9900.000 | 18.994 | 16.273 | 43.293 | 686.149 | 823.403 | 0.407 | 559.914 | 1457.410 | 0.999 | 14.775 |
| 10/13/2016 1:00:00 AM | 10800.000 | 18.992 | 16.273 | 43.288 | 686.444 | 823.761 | 0.407 | 560.157 | 1456.783 | 0.999 | 14.777 |
| 10/13/2016 1:15:00 AM | 11700.000 | 18.986 | 16.273 | 43.275 | 686.264 | 823.542 | 0.407 | 560.008 | 1457.165 | 0.999 | 14.782 |
| 10/13/2016 1:30:00 AM | 12600.000 | 18.999 | 16.273 | 43.303 | 686.558 | 823.882 | 0.407 | 560.240 | 1456.541 | 0.999 | 14.772 |
| 10/13/2016 1:45:00 AM | 13500.000 | 18.995 | 16.273 | 43.294 | 686.149 | 823.406 | 0.407 | 559.916 | 1457.410 | 0.999 | 14.770 |
| 10/13/2016 2:00:00 AM | 14400.000 | 18.990 | 16.273 | 43.284 | 686.200 | 823.458 | 0.407 | 559.952 | 1457.300 | 0.999 | 14.774 |
| 10/13/2016 2:15:00 AM | 15300.000 | 18.998 | 16.273 | 43.303 | 686.133 | 823.381 | 0.407 | 559.899 | 1457.443 | 0.999 | 14.774 |
| 10/13/2016 2:30:00 AM | 16200.000 | 18.996 | 16.273 | 43.297 | 686.445 | 823.755 | 0.407 | 560.153 | 1456.781 | 0.999 | 14.772 |
| 10/13/2016 2:45:00 AM | 17100.000 | 18.998 | 16.273 | 43.302 | 686.555 | 823.891 | 0.407 | 560.246 | 1456.548 | 0.999 | 14.773 |
| 10/13/2016 3:00:00 AM | 18000.000 | 18.993 | 16.273 | 43.290 | 686.232 | 823.502 | 0.407 | 559.981 | 1457.233 | 0.999 | 14.778 |
| 10/13/2016 3:15:00 AM | 18900.000 | 18.995 | 16.273 | 43.296 | 686.467 | 823.786 | 0.407 | | | | |

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|---|---|---|---|
| 560.175 | 1456.735 | 0.999 | 14.769 |
| 10/13/2016 3:30:00 AM | 19800.000 | 18.994 | 16.273 |
| 43.294 | 686.555 | 823.894 | 0.407 |
| 560.248 | 1456.547 | 0.999 | 14.764 |
| 10/13/2016 3:45:00 AM | 20700.000 | 19.002 | 16.273 |
| 43.311 | 686.620 | 823.972 | 0.407 |
| 560.301 | 1456.409 | 0.999 | 14.763 |
| 10/13/2016 4:00:00 AM | 21600.000 | 19.000 | 16.273 |
| 43.307 | 686.427 | 823.738 | 0.407 |
| 560.142 | 1456.820 | 0.999 | 14.761 |
| 10/13/2016 4:15:00 AM | 22500.000 | 18.995 | 16.272 |
| 43.296 | 686.447 | 823.768 | 0.407 |
| 560.162 | 1456.776 | 0.999 | 14.763 |
| 10/13/2016 4:30:00 AM | 23400.000 | 19.006 | 16.273 |
| 43.321 | 686.163 | 823.423 | 0.407 |
| 559.928 | 1457.381 | 0.999 | 14.759 |
| 10/13/2016 4:45:00 AM | 24300.000 | 19.004 | 16.272 |
| 43.316 | 686.392 | 823.699 | 0.407 |
| 560.116 | 1456.894 | 0.999 | 14.757 |
| 10/13/2016 5:00:00 AM | 25200.000 | 19.001 | 16.272 |
| 43.309 | 686.646 | 824.013 | 0.407 |
| 560.329 | 1456.354 | 0.999 | 14.757 |
| 10/13/2016 5:15:00 AM | 26100.000 | 18.994 | 16.272 |
| 43.293 | 686.270 | 823.570 | 0.407 |
| 560.027 | 1457.153 | 0.999 | 14.761 |
| 10/13/2016 5:30:00 AM | 27000.000 | 18.999 | 16.272 |
| 43.304 | 686.388 | 823.705 | 0.407 |
| 560.119 | 1456.903 | 0.999 | 14.759 |
| 10/13/2016 5:45:00 AM | 27900.000 | 19.007 | 16.272 |
| 43.322 | 686.242 | 823.529 | 0.407 |
| 560.000 | 1457.211 | 0.999 | 14.755 |
| 10/13/2016 6:00:00 AM | 28800.000 | 18.999 | 16.272 |
| 43.305 | 686.318 | 823.611 | 0.407 |
| 560.055 | 1457.051 | 0.999 | 14.758 |
| 10/13/2016 6:15:00 AM | 29700.000 | 18.999 | 16.272 |
| 43.305 | 686.386 | 823.701 | 0.407 |
| 560.117 | 1456.905 | 0.999 | 14.758 |
| 10/13/2016 6:30:00 AM | 30600.000 | 18.993 | 16.272 |
| 43.291 | 686.342 | 823.652 | 0.407 |
| 560.083 | 1456.999 | 0.999 | 14.760 |
| 10/13/2016 6:45:00 AM | 31500.000 | 19.003 | 16.272 |
| 43.314 | 686.352 | 823.666 | 0.407 |
| 560.093 | 1456.979 | 0.999 | 14.755 |
| 10/13/2016 7:00:00 AM | 32400.000 | 19.004 | 16.272 |
| 43.316 | 686.332 | 823.639 | 0.407 |
| 560.075 | 1457.022 | 0.999 | 14.754 |
| 10/13/2016 7:15:00 AM | 33300.000 | 19.006 | 16.272 |
| 43.321 | 686.425 | 823.743 | 0.407 |
| 560.145 | 1456.824 | 0.999 | 14.752 |
| 10/13/2016 7:30:00 AM | 34200.000 | 18.997 | 16.272 |
| 43.300 | 686.312 | 823.613 | 0.407 |
| 560.057 | 1457.063 | 0.999 | 14.754 |
| 10/13/2016 7:45:00 AM | 35100.000 | 18.997 | 16.272 |
| 43.300 | 686.377 | 823.690 | 0.407 |

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|---|---|---|---|
| 560.109 | 1456.926 | 0.999 | 14.754 |
| 10/13/2016 8:00:00 AM | 36000.000 | 19.007 | 16.272 |
| 43.322 | 686.436 | 823.762 | 0.407 |
| 560.158 | 1456.801 | 0.999 | 14.751 |
| 10/13/2016 8:15:00 AM | 36900.000 | 18.996 | 16.272 |
| 43.298 | 686.469 | 823.809 | 0.407 |
| 560.190 | 1456.730 | 0.999 | 14.754 |
| 10/13/2016 8:30:00 AM | 37800.000 | 18.995 | 16.272 |
| 43.296 | 686.587 | 823.939 | 0.407 |
| 560.279 | 1456.479 | 0.999 | 14.757 |
| 10/13/2016 8:45:00 AM | 38700.000 | 18.995 | 16.272 |
| 43.296 | 686.392 | 823.704 | 0.407 |
| 560.118 | 1456.893 | 0.999 | 14.759 |
| 10/13/2016 9:00:00 AM | 39600.000 | 18.996 | 16.272 |
| 43.297 | 686.443 | 823.778 | 0.407 |
| 560.169 | 1456.785 | 0.999 | 14.760 |
| 10/13/2016 9:15:00 AM | 40500.000 | 19.000 | 16.272 |
| 43.307 | 686.712 | 824.092 | 0.407 |
| 560.383 | 1456.215 | 0.999 | 14.761 |
| 10/13/2016 9:30:00 AM | 41400.000 | 18.995 | 16.272 |
| 43.297 | 686.394 | 823.715 | 0.407 |
| 560.126 | 1456.890 | 0.999 | 14.771 |
| 10/13/2016 9:45:00 AM | 42300.000 | 18.994 | 16.272 |
| 43.294 | 686.666 | 824.041 | 0.407 |
| 560.348 | 1456.313 | 0.999 | 14.763 |
| 10/13/2016 10:00:00 AM | 43200.000 | 18.991 | 16.272 |
| 43.285 | 686.759 | 824.147 | 0.407 |
| 560.420 | 1456.115 | 0.999 | 14.774 |
| 10/13/2016 10:15:00 AM | 44100.000 | 18.994 | 16.272 |
| 43.293 | 686.720 | 824.106 | 0.407 |
| 560.392 | 1456.197 | 0.999 | 14.770 |
| 10/13/2016 10:30:00 AM | 45000.000 | 18.997 | 16.272 |
| 43.300 | 686.802 | 824.202 | 0.407 |
| 560.457 | 1456.024 | 0.999 | 14.770 |
| 10/13/2016 10:45:00 AM | 45900.000 | 18.990 | 16.271 |
| 43.285 | 686.762 | 824.162 | 0.407 |
| 560.430 | 1456.109 | 0.999 | 14.773 |
| 10/13/2016 11:00:00 AM | 46800.000 | 18.988 | 16.271 |
| 43.279 | 686.631 | 824.005 | 0.407 |
| 560.323 | 1456.386 | 0.999 | 14.773 |
| 10/13/2016 11:15:00 AM | 47700.000 | 18.988 | 16.271 |
| 43.280 | 686.657 | 824.036 | 0.407 |
| 560.344 | 1456.332 | 0.999 | 14.776 |
| 10/13/2016 11:30:00 AM | 48600.000 | 18.992 | 16.271 |
| 43.289 | 686.813 | 824.225 | 0.407 |
| 560.473 | 1456.001 | 0.999 | 14.775 |
| 10/13/2016 11:45:00 AM | 49500.000 | 18.994 | 16.272 |
| 43.294 | 686.545 | 823.897 | 0.407 |
| 560.250 | 1456.568 | 0.999 | 14.770 |
| 10/13/2016 12:00:00 PM | 50400.000 | 18.995 | 16.272 |
| 43.296 | 686.771 | 824.165 | 0.407 |
| 560.432 | 1456.089 | 0.999 | 14.770 |
| 10/13/2016 12:15:00 PM | 51300.000 | 18.994 | 16.272 |
| 43.293 | 686.871 | 824.289 | 0.407 |

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|---|---|---|---|
| 560.517 | 1455.878 | 0.999 | 14.770 |
| 10/13/2016 12:30:00 PM | 52200.000 | 18.991 | 16.272 |
| 43.287 | 686.884 | 824.300 | 0.407 |
| 560.524 | 1455.850 | 0.999 | 14.770 |
| 10/13/2016 12:45:00 PM | 53100.000 | 18.996 | 16.272 |
| 43.298 | 686.817 | 824.218 | 0.407 |
| 560.468 | 1455.993 | 0.999 | 14.765 |
| 10/13/2016 1:00:00 PM | 54000.000 | 18.995 | 16.272 |
| 43.295 | 686.668 | 824.040 | 0.407 |
| 560.347 | 1456.307 | 0.999 | 14.766 |
| 10/13/2016 1:15:00 PM | 54900.000 | 18.996 | 16.272 |
| 43.297 | 686.931 | 824.346 | 0.407 |
| 560.556 | 1455.751 | 0.999 | 14.763 |
| 10/13/2016 1:30:00 PM | 55800.000 | 18.998 | 16.272 |
| 43.303 | 686.790 | 824.187 | 0.407 |
| 560.447 | 1456.050 | 0.999 | 14.753 |
| 10/13/2016 1:45:00 PM | 56700.000 | 18.997 | 16.273 |
| 43.300 | 686.532 | 823.862 | 0.407 |
| 560.226 | 1456.595 | 0.999 | 14.757 |
| 10/13/2016 2:00:00 PM | 57600.000 | 18.995 | 16.272 |
| 43.295 | 686.659 | 824.032 | 0.407 |
| 560.342 | 1456.326 | 0.999 | 14.756 |
| 10/13/2016 2:15:00 PM | 58500.000 | 18.997 | 16.272 |
| 43.299 | 686.663 | 824.035 | 0.407 |
| 560.344 | 1456.319 | 0.999 | 14.755 |
| 10/13/2016 2:30:00 PM | 59400.000 | 18.995 | 16.272 |
| 43.296 | 686.601 | 823.955 | 0.407 |
| 560.289 | 1456.449 | 0.999 | 14.752 |
| 10/13/2016 2:45:00 PM | 60300.000 | 18.994 | 16.272 |
| 43.294 | 686.642 | 824.000 | 0.407 |
| 560.320 | 1456.363 | 0.999 | 14.750 |
| 10/13/2016 3:00:00 PM | 61200.000 | 18.993 | 16.272 |
| 43.291 | 686.532 | 823.875 | 0.407 |
| 560.235 | 1456.596 | 0.999 | 14.750 |
| 10/13/2016 3:15:00 PM | 62100.000 | 18.994 | 16.272 |
| 43.293 | 686.560 | 823.916 | 0.407 |
| 560.263 | 1456.538 | 0.999 | 14.747 |
| 10/13/2016 3:30:00 PM | 63000.000 | 18.997 | 16.272 |
| 43.300 | 686.774 | 824.166 | 0.407 |
| 560.433 | 1456.084 | 0.999 | 14.744 |
| 10/13/2016 3:45:00 PM | 63900.000 | 19.006 | 16.272 |
| 43.321 | 686.431 | 823.759 | 0.407 |
| 560.156 | 1456.810 | 0.999 | 14.739 |
| 10/13/2016 4:00:00 PM | 64800.000 | 19.009 | 16.271 |
| 43.328 | 686.687 | 824.074 | 0.407 |
| 560.370 | 1456.268 | 0.999 | 14.734 |
| 10/13/2016 4:15:00 PM | 65700.000 | 19.001 | 16.272 |
| 43.309 | 686.720 | 824.110 | 0.407 |
| 560.395 | 1456.198 | 0.999 | 14.739 |
| 10/13/2016 4:30:00 PM | 66600.000 | 19.007 | 16.273 |
| 43.324 | 686.480 | 823.796 | 0.407 |
| 560.181 | 1456.706 | 0.999 | 14.732 |
| 10/13/2016 4:45:00 PM | 67500.000 | 18.998 | 16.272 |
| 43.303 | 686.467 | 823.794 | 0.407 |

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|---|---|---|---|
| 560.180 | 1456.735 | 0.999 | 14.734 |
| 10/13/2016 5:00:00 PM | 68400.000 | 19.006 | 16.272 |
| 43.320 | 686.497 | 823.829 | 0.407 |
| 560.204 | 1456.671 | 0.999 | 14.729 |
| 10/13/2016 5:15:00 PM | 69300.000 | 18.990 | 16.272 |
| 43.284 | 686.537 | 823.891 | 0.407 |
| 560.246 | 1456.585 | 0.999 | 14.732 |
| 10/13/2016 5:30:00 PM | 70200.000 | 18.998 | 16.271 |
| 43.302 | 686.280 | 823.585 | 0.407 |
| 560.038 | 1457.132 | 0.999 | 14.726 |
| 10/13/2016 5:45:00 PM | 71100.000 | 19.008 | 16.271 |
| 43.325 | 686.281 | 823.590 | 0.407 |
| 560.041 | 1457.129 | 0.999 | 14.722 |
| 10/13/2016 6:00:00 PM | 72000.000 | 19.013 | 16.271 |
| 43.336 | 686.366 | 823.700 | 0.407 |
| 560.116 | 1456.948 | 0.999 | 14.725 |
| 10/13/2016 6:15:00 PM | 72900.000 | 19.003 | 16.270 |
| 43.314 | 686.402 | 823.750 | 0.407 |
| 560.150 | 1456.873 | 0.999 | 14.729 |
| 10/13/2016 6:30:00 PM | 73800.000 | 19.000 | 16.271 |
| 43.307 | 686.152 | 823.437 | 0.407 |
| 559.937 | 1457.404 | 0.999 | 14.732 |
| 10/13/2016 6:45:00 PM | 74700.000 | 18.999 | 16.270 |
| 43.304 | 686.250 | 823.574 | 0.407 |
| 560.030 | 1457.195 | 0.999 | 14.731 |
| 10/13/2016 7:00:00 PM | 75600.000 | 19.001 | 16.271 |
| 43.309 | 686.662 | 824.057 | 0.407 |
| 560.359 | 1456.321 | 0.999 | 14.733 |
| 10/13/2016 7:15:00 PM | 76500.000 | 19.003 | 16.271 |
| 43.314 | 686.655 | 824.046 | 0.407 |
| 560.351 | 1456.335 | 0.999 | 14.728 |
| 10/13/2016 7:30:00 PM | 77400.000 | 19.002 | 16.271 |
| 43.312 | 686.392 | 823.735 | 0.407 |
| 560.140 | 1456.893 | 0.999 | 14.733 |
| 10/13/2016 7:45:00 PM | 78300.000 | 19.002 | 16.271 |
| 43.311 | 686.514 | 823.881 | 0.407 |
| 560.239 | 1456.635 | 0.999 | 14.733 |
| 10/13/2016 8:00:00 PM | 79200.000 | 18.999 | 16.270 |
| 43.305 | 686.295 | 823.626 | 0.407 |
| 560.066 | 1457.100 | 0.999 | 14.739 |
| 10/13/2016 8:15:00 PM | 80100.000 | 19.002 | 16.270 |
| 43.312 | 686.434 | 823.790 | 0.407 |
| 560.177 | 1456.805 | 0.999 | 14.733 |
| 10/13/2016 8:30:00 PM | 81000.000 | 18.994 | 16.270 |
| 43.294 | 686.499 | 823.880 | 0.407 |
| 560.238 | 1456.666 | 0.999 | 14.738 |
| 10/13/2016 8:45:00 PM | 81900.000 | 18.995 | 16.270 |
| 43.295 | 686.469 | 823.833 | 0.407 |
| 560.207 | 1456.731 | 0.999 | 14.736 |
| 10/13/2016 9:00:00 PM | 82800.000 | 19.000 | 16.270 |
| 43.307 | 686.538 | 823.918 | 0.407 |
| 560.264 | 1456.584 | 0.999 | 14.735 |
| 10/13/2016 9:15:00 PM | 83700.000 | 19.000 | 16.270 |
| 43.307 | 686.410 | 823.776 | 0.407 |

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|---|---|---|---|
| 560.168 | 1456.856 | 0.999 | 14.734 |
| 10/13/2016 9:30:00 PM | 84600.000 | 19.004 | 16.269 |
| 43.315 | 686.551 | 823.948 | 0.407 |
| 560.285 | 1456.555 | 0.999 | 14.743 |
| 10/13/2016 9:45:00 PM | 85500.000 | 18.993 | 16.270 |
| 43.290 | 686.594 | 823.992 | 0.407 |
| 560.315 | 1456.465 | 0.999 | 14.744 |
| 10/13/2016 10:00:00 PM | 86400.000 | 18.999 | 16.270 |
| 43.304 | 686.683 | 824.094 | 0.407 |
| 560.384 | 1456.277 | 0.999 | 14.744 |
| 10/13/2016 10:15:00 PM | 87300.000 | 18.999 | 16.270 |
| 43.304 | 686.530 | 823.912 | 0.407 |
| 560.260 | 1456.600 | 0.999 | 14.742 |
| 10/13/2016 10:30:00 PM | 88200.000 | 19.001 | 16.270 |
| 43.308 | 686.744 | 824.162 | 0.407 |
| 560.430 | 1456.148 | 0.999 | 14.741 |
| 10/13/2016 10:45:00 PM | 89100.000 | 18.997 | 16.270 |
| 43.301 | 686.533 | 823.911 | 0.407 |
| 560.259 | 1456.594 | 0.999 | 14.740 |
| 10/13/2016 11:00:00 PM | 90000.000 | 19.007 | 16.270 |
| 43.322 | 686.470 | 823.835 | 0.407 |
| 560.208 | 1456.728 | 0.999 | 14.743 |
| 10/13/2016 11:15:00 PM | 90900.000 | 18.993 | 16.270 |
| 43.291 | 686.883 | 824.335 | 0.407 |
| 560.548 | 1455.853 | 0.999 | 14.748 |
| 10/13/2016 11:30:00 PM | 91800.000 | 18.994 | 16.270 |
| 43.294 | 686.546 | 823.939 | 0.407 |
| 560.279 | 1456.567 | 0.999 | 14.741 |
| 10/13/2016 11:45:00 PM | 92700.000 | 18.993 | 16.270 |
| 43.291 | 686.841 | 824.281 | 0.407 |
| 560.511 | 1455.942 | 0.999 | 14.741 |
| 10/14/2016 12:00:00 AM | 93600.000 | 18.995 | 16.271 |
| 43.296 | 686.534 | 823.906 | 0.407 |
| 560.256 | 1456.593 | 0.999 | 14.739 |
| 10/14/2016 12:15:00 AM | 94500.000 | 19.003 | 16.271 |
| 43.313 | 686.827 | 824.255 | 0.407 |
| 560.493 | 1455.972 | 0.999 | 14.734 |
| 10/14/2016 12:30:00 AM | 95400.000 | 19.000 | 16.270 |
| 43.307 | 686.897 | 824.352 | 0.407 |
| 560.560 | 1455.822 | 0.999 | 14.737 |
| 10/14/2016 12:45:00 AM | 96300.000 | 19.002 | 16.270 |
| 43.311 | 686.883 | 824.327 | 0.407 |
| 560.543 | 1455.852 | 0.999 | 14.731 |
| 10/14/2016 1:00:00 AM | 97200.000 | 19.002 | 16.270 |
| 43.313 | 686.754 | 824.174 | 0.407 |
| 560.439 | 1456.125 | 0.999 | 14.731 |
| 10/14/2016 1:15:00 AM | 98100.000 | 19.001 | 16.270 |
| 43.308 | 686.819 | 824.252 | 0.407 |
| 560.492 | 1455.987 | 0.999 | 14.729 |
| 10/14/2016 1:30:00 AM | 99000.000 | 19.005 | 16.270 |
| 43.318 | 686.605 | 824.001 | 0.407 |
| 560.321 | 1456.442 | 0.999 | 14.725 |
| 10/14/2016 1:45:00 AM | 99900.000 | 18.994 | 16.270 |
| 43.292 | 686.822 | 824.268 | 0.407 |

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|---|---|---|---|
| 560.502 | 1455.980 | 0.999 | 14.732 |
| 10/14/2016 2:00:00 AM | 100800.000 | 18.998 | 16.270 |
| 43.303 | 686.882 | 824.338 | 0.407 |
| 560.550 | 1455.853 | 0.999 | 14.733 |
| 10/14/2016 2:15:00 AM | 101700.000 | 18.999 | 16.270 |
| 43.304 | 686.965 | 824.441 | 0.408 |
| 560.620 | 1455.678 | 0.999 | 14.730 |
| 10/14/2016 2:30:00 AM | 102600.000 | 19.004 | 16.269 |
| 43.316 | 686.679 | 824.101 | 0.407 |
| 560.388 | 1456.285 | 0.999 | 14.730 |
| 10/14/2016 2:45:00 AM | 103500.000 | 18.998 | 16.270 |
| 43.302 | 686.768 | 824.196 | 0.407 |
| 560.453 | 1456.096 | 0.999 | 14.732 |
| 10/14/2016 3:00:00 AM | 104400.000 | 19.001 | 16.270 |
| 43.309 | 686.597 | 823.996 | 0.407 |
| 560.317 | 1456.458 | 0.999 | 14.727 |
| 10/14/2016 3:15:00 AM | 105300.000 | 18.994 | 16.270 |
| 43.293 | 686.795 | 824.236 | 0.407 |
| 560.481 | 1456.039 | 0.999 | 14.732 |
| 10/14/2016 3:30:00 AM | 106200.000 | 19.007 | 16.269 |
| 43.322 | 686.773 | 824.218 | 0.407 |
| 560.469 | 1456.085 | 0.999 | 14.734 |
| 10/14/2016 3:45:00 AM | 107100.000 | 19.000 | 16.269 |
| 43.308 | 686.921 | 824.403 | 0.408 |
| 560.594 | 1455.771 | 0.999 | 14.733 |
| 10/14/2016 4:00:00 AM | 108000.000 | 18.996 | 16.269 |
| 43.298 | 686.845 | 824.303 | 0.407 |
| 560.526 | 1455.932 | 0.999 | 14.736 |
| 10/14/2016 4:15:00 AM | 108900.000 | 18.996 | 16.269 |
| 43.298 | 686.820 | 824.271 | 0.407 |
| 560.504 | 1455.986 | 0.999 | 14.736 |
| 10/14/2016 4:30:00 AM | 109800.000 | 18.995 | 16.269 |
| 43.295 | 686.935 | 824.411 | 0.408 |
| 560.600 | 1455.742 | 0.999 | 14.735 |
| 10/14/2016 4:45:00 AM | 110700.000 | 19.006 | 16.269 |
| 43.321 | 686.995 | 824.481 | 0.408 |
| 560.647 | 1455.614 | 0.999 | 14.725 |
| 10/14/2016 5:00:00 AM | 111600.000 | 18.997 | 16.269 |
| 43.299 | 686.732 | 824.179 | 0.407 |
| 560.442 | 1456.173 | 0.999 | 14.731 |
| 10/14/2016 5:15:00 AM | 112500.000 | 19.004 | 16.269 |
| 43.316 | 686.801 | 824.261 | 0.407 |
| 560.497 | 1456.025 | 0.999 | 14.724 |
| 10/14/2016 5:30:00 AM | 113400.000 | 19.003 | 16.269 |
| 43.314 | 686.643 | 824.072 | 0.407 |
| 560.369 | 1456.361 | 0.999 | 14.726 |
| 10/14/2016 5:45:00 AM | 114300.000 | 19.005 | 16.268 |
| 43.319 | 686.846 | 824.319 | 0.407 |
| 560.537 | 1455.931 | 0.999 | 14.721 |
| 10/14/2016 6:00:00 AM | 115200.000 | 19.002 | 16.268 |
| 43.311 | 686.805 | 824.272 | 0.407 |
| 560.505 | 1456.017 | 0.999 | 14.726 |
| 10/14/2016 6:15:00 AM | 116100.000 | 19.007 | 16.268 |
| 43.324 | 686.412 | 823.809 | 0.407 |

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|---|---|---|---|
| 560.190 | 1456.851 | 0.999 | 14.722 |
| 10/14/2016 6:30:00 AM | 117000.000 | 18.999 | 16.268 |
| 43.306 | 686.677 | 824.127 | 0.407 |
| 560.406 | 1456.288 | 0.999 | 14.728 |
| 10/14/2016 6:45:00 AM | 117900.000 | 19.004 | 16.268 |
| 43.316 | 686.897 | 824.391 | 0.408 |
| 560.586 | 1455.822 | 0.999 | 14.726 |
| 10/14/2016 7:00:00 AM | 118800.000 | 19.002 | 16.268 |
| 43.311 | 686.719 | 824.172 | 0.407 |
| 560.437 | 1456.200 | 0.999 | 14.723 |
| 10/14/2016 7:15:00 AM | 119700.000 | 18.999 | 16.268 |
| 43.304 | 686.628 | 824.064 | 0.407 |
| 560.364 | 1456.393 | 0.999 | 14.727 |
| 10/14/2016 7:30:00 AM | 120600.000 | 19.004 | 16.267 |
| 43.317 | 686.644 | 824.096 | 0.407 |
| 560.386 | 1456.359 | 0.999 | 14.725 |
| 10/14/2016 7:45:00 AM | 121500.000 | 19.010 | 16.268 |
| 43.329 | 686.743 | 824.202 | 0.407 |
| 560.457 | 1456.150 | 0.999 | 14.723 |
| 10/14/2016 8:00:00 AM | 122400.000 | 19.004 | 16.268 |
| 43.317 | 686.575 | 824.003 | 0.407 |
| 560.322 | 1456.505 | 0.999 | 14.726 |
| 10/14/2016 8:15:00 AM | 123300.000 | 18.999 | 16.268 |
| 43.305 | 686.751 | 824.212 | 0.407 |
| 560.464 | 1456.131 | 0.999 | 14.735 |
| 10/14/2016 8:30:00 AM | 124200.000 | 19.002 | 16.268 |
| 43.312 | 686.646 | 824.096 | 0.407 |
| 560.385 | 1456.355 | 0.999 | 14.729 |
| 10/14/2016 8:45:00 AM | 125100.000 | 18.998 | 16.267 |
| 43.303 | 686.620 | 824.070 | 0.407 |
| 560.368 | 1456.409 | 0.999 | 14.733 |
| 10/14/2016 9:00:00 AM | 126000.000 | 19.001 | 16.268 |
| 43.310 | 686.695 | 824.148 | 0.407 |
| 560.421 | 1456.250 | 0.999 | 14.734 |
| 10/14/2016 9:15:00 AM | 126900.000 | 18.999 | 16.267 |
| 43.306 | 686.454 | 823.869 | 0.407 |
| 560.231 | 1456.761 | 0.999 | 14.741 |
| 10/14/2016 9:30:00 AM | 127800.000 | 19.010 | 16.267 |
| 43.329 | 686.596 | 824.040 | 0.407 |
| 560.347 | 1456.462 | 0.999 | 14.736 |
| 10/14/2016 9:45:00 AM | 128700.000 | 18.995 | 16.267 |
| 43.296 | 686.683 | 824.153 | 0.407 |
| 560.424 | 1456.276 | 0.999 | 14.743 |
| 10/14/2016 10:00:00 AM | 129600.000 | 19.002 | 16.268 |
| 43.310 | 686.735 | 824.203 | 0.407 |
| 560.458 | 1456.165 | 0.999 | 14.736 |
| 10/14/2016 10:15:00 AM | 130500.000 | 19.003 | 16.268 |
| 43.313 | 686.713 | 824.175 | 0.407 |
| 560.439 | 1456.212 | 0.999 | 14.734 |
| 10/14/2016 10:30:00 AM | 131400.000 | 19.010 | 16.268 |
| 43.329 | 686.853 | 824.342 | 0.407 |
| 560.553 | 1455.916 | 0.999 | 14.724 |
| 10/14/2016 10:45:00 AM | 132300.000 | 19.001 | 16.268 |
| 43.310 | 686.811 | 824.284 | 0.407 |

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|---|---|---|---|
| 560.513 | 1456.005 | 0.999 | 14.734 |
| 10/14/2016 11:00:00 AM | 133200.000 | 18.997 | 16.268 |
| 43.299 | 686.691 | 824.140 | 0.407 |
| 560.415 | 1456.259 | 0.999 | 14.735 |
| 10/14/2016 11:15:00 AM | 134100.000 | 19.007 | 16.269 |
| 43.323 | 686.726 | 824.173 | 0.407 |
| 560.438 | 1456.185 | 0.999 | 14.733 |
| 10/14/2016 11:30:00 AM | 135000.000 | 19.000 | 16.268 |
| 43.307 | 686.670 | 824.113 | 0.407 |
| 560.397 | 1456.304 | 0.999 | 14.731 |
| 10/14/2016 11:45:00 AM | 135900.000 | 18.997 | 16.268 |
| 43.301 | 686.394 | 823.792 | 0.407 |
| 560.179 | 1456.889 | 0.999 | 14.730 |
| 10/14/2016 12:00:00 PM | 136800.000 | 18.997 | 16.268 |
| 43.301 | 686.647 | 824.093 | 0.407 |
| 560.383 | 1456.353 | 0.999 | 14.729 |
| 10/14/2016 12:15:00 PM | 137700.000 | 18.994 | 16.268 |
| 43.292 | 686.687 | 824.140 | 0.407 |
| 560.415 | 1456.267 | 0.999 | 14.728 |
| 10/14/2016 12:30:00 PM | 138600.000 | 19.003 | 16.268 |
| 43.314 | 686.613 | 824.058 | 0.407 |
| 560.359 | 1456.424 | 0.999 | 14.721 |
| 10/14/2016 12:45:00 PM | 139500.000 | 18.993 | 16.268 |
| 43.291 | 686.799 | 824.276 | 0.407 |
| 560.508 | 1456.030 | 0.999 | 14.727 |
| 10/14/2016 1:00:00 PM | 140400.000 | 19.002 | 16.268 |
| 43.312 | 686.842 | 824.327 | 0.407 |
| 560.543 | 1455.940 | 0.999 | 14.725 |
| 10/14/2016 1:15:00 PM | 141300.000 | 19.001 | 16.267 |
| 43.310 | 686.832 | 824.326 | 0.407 |
| 560.542 | 1455.960 | 0.999 | 14.716 |
| 10/14/2016 1:30:00 PM | 142200.000 | 19.002 | 16.267 |
| 43.311 | 686.492 | 823.917 | 0.407 |
| 560.263 | 1456.680 | 0.999 | 14.716 |
| 10/14/2016 1:45:00 PM | 143100.000 | 19.009 | 16.267 |
| 43.328 | 686.493 | 823.920 | 0.407 |
| 560.266 | 1456.680 | 0.999 | 14.708 |
| 10/14/2016 2:00:00 PM | 144000.000 | 19.001 | 16.267 |
| 43.308 | 686.810 | 824.297 | 0.407 |
| 560.522 | 1456.006 | 0.999 | 14.709 |
| 10/14/2016 2:15:00 PM | 144900.000 | 19.003 | 16.267 |
| 43.315 | 686.610 | 824.068 | 0.407 |
| 560.366 | 1456.431 | 0.999 | 14.710 |
| 10/14/2016 2:30:00 PM | 145800.000 | 19.005 | 16.267 |
| 43.318 | 686.499 | 823.923 | 0.407 |
| 560.268 | 1456.666 | 0.999 | 14.708 |
| 10/14/2016 2:45:00 PM | 146700.000 | 19.003 | 16.267 |
| 43.313 | 686.393 | 823.804 | 0.407 |
| 560.187 | 1456.891 | 0.999 | 14.705 |
| 10/14/2016 3:00:00 PM | 147600.000 | 19.010 | 16.267 |
| 43.330 | 686.549 | 823.999 | 0.407 |
| 560.319 | 1456.561 | 0.999 | 14.703 |
| 10/14/2016 3:15:00 PM | 148500.000 | 19.005 | 16.267 |
| 43.318 | 686.522 | 823.955 | 0.407 |

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|---|---|---|---|
| 560.290 | 1456.618 | 0.999 | 14.703 |
| 10/14/2016 3:30:00 PM | 149400.000 | 19.011 | 16.267 |
| 43.331 | 686.679 | 824.139 | 0.407 |
| 560.414 | 1456.285 | 0.999 | 14.697 |
| 10/14/2016 3:45:00 PM | 150300.000 | 19.009 | 16.267 |
| 43.327 | 686.514 | 823.941 | 0.407 |
| 560.280 | 1456.635 | 0.999 | 14.696 |
| 10/14/2016 4:00:00 PM | 151200.000 | 18.997 | 16.267 |
| 43.301 | 686.599 | 824.043 | 0.407 |
| 560.349 | 1456.454 | 0.999 | 14.704 |
| 10/14/2016 4:15:00 PM | 152100.000 | 19.011 | 16.267 |
| 43.331 | 686.618 | 824.077 | 0.407 |
| 560.372 | 1456.415 | 0.999 | 14.700 |
| 10/14/2016 4:30:00 PM | 153000.000 | 19.007 | 16.267 |
| 43.323 | 686.350 | 823.758 | 0.407 |
| 560.156 | 1456.984 | 0.999 | 14.697 |
| 10/14/2016 4:45:00 PM | 153900.000 | 19.006 | 16.266 |
| 43.322 | 686.604 | 824.067 | 0.407 |
| 560.366 | 1456.444 | 0.999 | 14.696 |
| 10/14/2016 5:00:00 PM | 154800.000 | 19.008 | 16.266 |
| 43.325 | 686.372 | 823.791 | 0.407 |
| 560.178 | 1456.937 | 0.999 | 14.694 |
| 10/14/2016 5:15:00 PM | 155700.000 | 19.017 | 16.265 |
| 43.345 | 686.376 | 823.812 | 0.407 |
| 560.192 | 1456.927 | 0.999 | 14.694 |
| 10/14/2016 5:30:00 PM | 156600.000 | 19.007 | 16.265 |
| 43.323 | 686.295 | 823.724 | 0.407 |
| 560.133 | 1457.099 | 0.999 | 14.694 |
| 10/14/2016 5:45:00 PM | 157500.000 | 19.010 | 16.265 |
| 43.331 | 686.299 | 823.729 | 0.407 |
| 560.136 | 1457.092 | 0.999 | 14.696 |
| 10/14/2016 6:00:00 PM | 158400.000 | 19.014 | 16.265 |
| 43.338 | 686.369 | 823.803 | 0.407 |
| 560.186 | 1456.943 | 0.999 | 14.693 |
| 10/14/2016 6:15:00 PM | 159300.000 | 19.006 | 16.264 |
| 43.321 | 686.253 | 823.690 | 0.407 |
| 560.109 | 1457.189 | 0.999 | 14.699 |
| 10/14/2016 6:30:00 PM | 160200.000 | 19.006 | 16.264 |
| 43.321 | 686.322 | 823.780 | 0.407 |
| 560.170 | 1457.043 | 0.999 | 14.696 |
| 10/14/2016 6:45:00 PM | 161100.000 | 19.008 | 16.264 |
| 43.326 | 686.077 | 823.481 | 0.407 |
| 559.967 | 1457.562 | 0.999 | 14.695 |
| 10/14/2016 7:00:00 PM | 162000.000 | 19.011 | 16.263 |
| 43.332 | 686.178 | 823.619 | 0.407 |
| 560.061 | 1457.347 | 0.999 | 14.697 |
| 10/14/2016 7:15:00 PM | 162900.000 | 19.007 | 16.263 |
| 43.322 | 686.095 | 823.524 | 0.407 |
| 559.996 | 1457.524 | 0.999 | 14.699 |
| 10/14/2016 7:30:00 PM | 163800.000 | 19.003 | 16.263 |
| 43.313 | 686.159 | 823.594 | 0.407 |
| 560.044 | 1457.388 | 0.999 | 14.709 |
| 10/14/2016 7:45:00 PM | 164700.000 | 19.006 | 16.263 |
| 43.321 | 686.121 | 823.560 | 0.407 |

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|---|---|---|---|
| 560.021 | 1457.470 | 0.999 | 14.702 |
| 10/14/2016 8:00:00 PM | 165600.000 | 19.008 | 16.261 |
| 43.326 | 686.023 | 823.465 | 0.407 |
| 559.956 | 1457.678 | 0.999 | 14.705 |
| 10/14/2016 8:15:00 PM | 166500.000 | 19.006 | 16.261 |
| 43.320 | 686.136 | 823.603 | 0.407 |
| 560.050 | 1457.438 | 0.999 | 14.705 |
| 10/14/2016 8:30:00 PM | 167400.000 | 19.009 | 16.261 |
| 43.328 | 686.246 | 823.740 | 0.407 |
| 560.143 | 1457.203 | 0.999 | 14.699 |
| 10/14/2016 8:45:00 PM | 168300.000 | 19.006 | 16.261 |
| 43.321 | 686.290 | 823.800 | 0.407 |
| 560.184 | 1457.110 | 0.999 | 14.705 |
| 10/14/2016 9:00:00 PM | 169200.000 | 19.006 | 16.261 |
| 43.321 | 686.209 | 823.704 | 0.407 |
| 560.118 | 1457.283 | 0.999 | 14.703 |
| 10/14/2016 9:15:00 PM | 170100.000 | 19.010 | 16.260 |
| 43.330 | 686.039 | 823.504 | 0.407 |
| 559.983 | 1457.642 | 0.999 | 14.707 |
| 10/14/2016 9:30:00 PM | 171000.000 | 19.013 | 16.260 |
| 43.336 | 686.291 | 823.807 | 0.407 |
| 560.189 | 1457.108 | 0.999 | 14.705 |
| 10/14/2016 9:45:00 PM | 171900.000 | 19.008 | 16.260 |
| 43.325 | 686.048 | 823.523 | 0.407 |
| 559.995 | 1457.624 | 0.999 | 14.709 |
| 10/14/2016 10:00:00 PM | 172800.000 | 19.003 | 16.260 |
| 43.314 | 686.226 | 823.737 | 0.407 |
| 560.141 | 1457.245 | 0.999 | 14.711 |
| 10/14/2016 10:15:00 PM | 173700.000 | 19.015 | 16.259 |
| 43.341 | 686.195 | 823.711 | 0.407 |
| 560.124 | 1457.311 | 0.999 | 14.703 |
| 10/14/2016 10:30:00 PM | 174600.000 | 19.010 | 16.260 |
| 43.331 | 686.157 | 823.657 | 0.407 |
| 560.087 | 1457.392 | 0.999 | 14.708 |
| 10/14/2016 10:45:00 PM | 175500.000 | 19.004 | 16.260 |
| 43.316 | 685.940 | 823.397 | 0.407 |
| 559.910 | 1457.853 | 0.999 | 14.714 |
| 10/14/2016 11:00:00 PM | 176400.000 | 19.012 | 16.259 |
| 43.334 | 685.982 | 823.465 | 0.407 |
| 559.956 | 1457.764 | 0.999 | 14.709 |
| 10/14/2016 11:15:00 PM | 177300.000 | 19.010 | 16.258 |
| 43.329 | 685.894 | 823.370 | 0.407 |
| 559.892 | 1457.952 | 0.999 | 14.710 |
| 10/14/2016 11:30:00 PM | 178200.000 | 19.009 | 16.259 |
| 43.327 | 685.817 | 823.266 | 0.407 |
| 559.821 | 1458.116 | 0.999 | 14.713 |
| 10/14/2016 11:45:00 PM | 179100.000 | 19.009 | 16.258 |
| 43.326 | 685.923 | 823.412 | 0.407 |
| 559.920 | 1457.890 | 0.999 | 14.713 |
| 10/15/2016 12:00:00 AM | 180000.000 | 19.003 | 16.257 |
| 43.313 | 685.985 | 823.494 | 0.407 |
| 559.976 | 1457.759 | 0.999 | 14.715 |
| 10/15/2016 12:15:00 AM | 180900.000 | 19.014 | 16.258 |
| 43.339 | 685.944 | 823.443 | 0.407 |

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|---|---|---|---|
| 559.942 | 1457.846 | 0.999 | 14.708 |
| 10/15/2016 12:30:00 AM | 181800.000 | 19.013 | 16.258 |
| 43.337 | 686.074 | 823.599 | 0.407 |
| 560.047 | 1457.568 | 0.999 | 14.705 |
| 10/15/2016 12:45:00 AM | 182700.000 | 19.004 | 16.257 |
| 43.316 | 686.059 | 823.584 | 0.407 |
| 560.037 | 1457.601 | 0.999 | 14.710 |
| 10/15/2016 1:00:00 AM | 183600.000 | 19.016 | 16.257 |
| 43.344 | 685.993 | 823.510 | 0.407 |
| 559.987 | 1457.741 | 0.999 | 14.702 |
| 10/15/2016 1:15:00 AM | 184500.000 | 19.003 | 16.257 |
| 43.315 | 686.134 | 823.679 | 0.407 |
| 560.101 | 1457.442 | 0.999 | 14.708 |
| 10/15/2016 1:30:00 AM | 185400.000 | 19.010 | 16.257 |
| 43.331 | 685.996 | 823.513 | 0.407 |
| 559.989 | 1457.735 | 0.999 | 14.709 |
| 10/15/2016 1:45:00 AM | 186300.000 | 19.010 | 16.257 |
| 43.329 | 686.075 | 823.602 | 0.407 |
| 560.050 | 1457.568 | 0.999 | 14.707 |
| 10/15/2016 2:00:00 AM | 187200.000 | 19.012 | 16.257 |
| 43.334 | 685.915 | 823.425 | 0.407 |
| 559.929 | 1457.908 | 0.999 | 14.706 |
| 10/15/2016 2:15:00 AM | 188100.000 | 19.007 | 16.256 |
| 43.324 | 686.178 | 823.745 | 0.407 |
| 560.146 | 1457.348 | 0.999 | 14.713 |
| 10/15/2016 2:30:00 AM | 189000.000 | 19.011 | 16.257 |
| 43.331 | 685.983 | 823.504 | 0.407 |
| 559.983 | 1457.762 | 0.999 | 14.711 |
| 10/15/2016 2:45:00 AM | 189900.000 | 19.018 | 16.256 |
| 43.348 | 685.883 | 823.396 | 0.407 |
| 559.909 | 1457.974 | 0.999 | 14.702 |
| 10/15/2016 3:00:00 AM | 190800.000 | 19.008 | 16.256 |
| 43.325 | 686.043 | 823.588 | 0.407 |
| 560.040 | 1457.635 | 0.999 | 14.706 |
| 10/15/2016 3:15:00 AM | 191700.000 | 19.012 | 16.256 |
| 43.333 | 685.821 | 823.328 | 0.407 |
| 559.863 | 1458.106 | 0.999 | 14.704 |
| 10/15/2016 3:30:00 AM | 192600.000 | 19.011 | 16.256 |
| 43.332 | 686.098 | 823.664 | 0.407 |
| 560.092 | 1457.517 | 0.999 | 14.707 |
| 10/15/2016 3:45:00 AM | 193500.000 | 19.008 | 16.255 |
| 43.324 | 685.914 | 823.452 | 0.407 |
| 559.947 | 1457.908 | 0.999 | 14.706 |
| 10/15/2016 4:00:00 AM | 194400.000 | 19.010 | 16.256 |
| 43.331 | 685.998 | 823.543 | 0.407 |
| 560.009 | 1457.731 | 0.999 | 14.704 |
| 10/15/2016 4:15:00 AM | 195300.000 | 19.011 | 16.255 |
| 43.332 | 685.969 | 823.519 | 0.407 |
| 559.993 | 1457.791 | 0.999 | 14.700 |
| 10/15/2016 4:30:00 AM | 196200.000 | 19.017 | 16.255 |
| 43.345 | 685.878 | 823.413 | 0.407 |
| 559.921 | 1457.985 | 0.999 | 14.693 |
| 10/15/2016 4:45:00 AM | 197100.000 | 19.014 | 16.254 |
| 43.340 | 685.991 | 823.565 | 0.407 |

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|---|---|---|---|
| 560.024 | 1457.746 | 0.999 | 14.693 |
| 10/15/2016 5:00:00 AM | 198000.000 | 19.009 | 16.254 |
| 43.328 | 685.927 | 823.486 | 0.407 |
| 559.971 | 1457.881 | 0.999 | 14.697 |
| 10/15/2016 5:15:00 AM | 198900.000 | 19.015 | 16.254 |
| 43.341 | 685.997 | 823.582 | 0.407 |
| 560.036 | 1457.732 | 0.999 | 14.697 |
| 10/15/2016 5:30:00 AM | 199800.000 | 19.007 | 16.253 |
| 43.322 | 685.984 | 823.572 | 0.407 |
| 560.029 | 1457.759 | 0.999 | 14.701 |
| 10/15/2016 5:45:00 AM | 200700.000 | 19.014 | 16.254 |
| 43.339 | 686.146 | 823.761 | 0.407 |
| 560.158 | 1457.416 | 0.999 | 14.695 |
| 10/15/2016 6:00:00 AM | 201600.000 | 19.011 | 16.253 |
| 43.331 | 686.061 | 823.664 | 0.407 |
| 560.092 | 1457.596 | 0.999 | 14.700 |
| 10/15/2016 6:15:00 AM | 202500.000 | 19.006 | 16.253 |
| 43.321 | 685.858 | 823.427 | 0.407 |
| 559.930 | 1458.028 | 0.999 | 14.708 |
| 10/15/2016 6:30:00 AM | 203400.000 | 19.016 | 16.253 |
| 43.344 | 686.070 | 823.681 | 0.407 |
| 560.103 | 1457.577 | 0.999 | 14.707 |
| 10/15/2016 6:45:00 AM | 204300.000 | 19.016 | 16.252 |
| 43.344 | 685.817 | 823.392 | 0.407 |
| 559.906 | 1458.114 | 0.999 | 14.701 |
| 10/15/2016 7:00:00 AM | 205200.000 | 19.013 | 16.252 |
| 43.337 | 685.934 | 823.533 | 0.407 |
| 560.002 | 1457.867 | 0.999 | 14.705 |
| 10/15/2016 7:15:00 AM | 206100.000 | 19.015 | 16.252 |
| 43.341 | 686.028 | 823.658 | 0.407 |
| 560.087 | 1457.666 | 0.999 | 14.706 |
| 10/15/2016 7:30:00 AM | 207000.000 | 19.021 | 16.252 |
| 43.354 | 685.885 | 823.485 | 0.407 |
| 559.969 | 1457.970 | 0.999 | 14.700 |
| 10/15/2016 7:45:00 AM | 207900.000 | 19.017 | 16.251 |
| 43.346 | 685.783 | 823.370 | 0.407 |
| 559.892 | 1458.187 | 0.999 | 14.702 |
| 10/15/2016 8:00:00 AM | 208800.000 | 19.013 | 16.251 |
| 43.337 | 685.963 | 823.592 | 0.407 |
| 560.043 | 1457.806 | 0.999 | 14.703 |
| 10/15/2016 8:15:00 AM | 209700.000 | 19.017 | 16.251 |
| 43.345 | 685.961 | 823.593 | 0.407 |
| 560.043 | 1457.808 | 0.999 | 14.702 |
| 10/15/2016 8:30:00 AM | 210600.000 | 19.020 | 16.251 |
| 43.353 | 685.867 | 823.467 | 0.407 |
| 559.958 | 1458.009 | 0.999 | 14.698 |
| 10/15/2016 8:45:00 AM | 211500.000 | 19.014 | 16.251 |
| 43.339 | 685.785 | 823.377 | 0.407 |
| 559.897 | 1458.183 | 0.999 | 14.697 |
| 10/15/2016 9:00:00 AM | 212400.000 | 19.011 | 16.251 |
| 43.333 | 686.091 | 823.746 | 0.407 |
| 560.147 | 1457.533 | 0.999 | 14.704 |
| 10/15/2016 9:15:00 AM | 213300.000 | 19.016 | 16.250 |
| 43.343 | 686.065 | 823.731 | 0.407 |

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|---|---|---|---|
| 560.137 | 1457.587 | 0.999 | 14.704 |
| 10/15/2016 9:30:00 AM | 214200.000 | 19.018 | 16.251 |
| 43.348 | 685.795 | 823.396 | 0.407 |
| 559.909 | 1458.162 | 0.999 | 14.705 |
| 10/15/2016 9:45:00 AM | 215100.000 | 19.010 | 16.250 |
| 43.329 | 685.885 | 823.516 | 0.407 |
| 559.991 | 1457.970 | 0.999 | 14.711 |
| 10/15/2016 10:00:00 AM | 216000.000 | 19.007 | 16.249 |
| 43.324 | 686.104 | 823.791 | 0.407 |
| 560.178 | 1457.504 | 0.999 | 14.711 |
| 10/15/2016 10:15:00 AM | 216900.000 | 19.010 | 16.249 |
| 43.331 | 685.649 | 823.243 | 0.407 |
| 559.805 | 1458.471 | 0.999 | 14.711 |
| 10/15/2016 10:30:00 AM | 217800.000 | 19.012 | 16.249 |
| 43.335 | 685.847 | 823.481 | 0.407 |
| 559.967 | 1458.050 | 0.999 | 14.712 |
| 10/15/2016 10:45:00 AM | 218700.000 | 19.020 | 16.249 |
| 43.353 | 685.885 | 823.535 | 0.407 |
| 560.004 | 1457.969 | 0.999 | 14.710 |
| 10/15/2016 11:00:00 AM | 219600.000 | 19.015 | 16.249 |
| 43.341 | 685.750 | 823.366 | 0.407 |
| 559.889 | 1458.257 | 0.999 | 14.709 |
| 10/15/2016 11:15:00 AM | 220500.000 | 19.014 | 16.250 |
| 43.338 | 685.843 | 823.473 | 0.407 |
| 559.961 | 1458.059 | 0.999 | 14.710 |
| 10/15/2016 11:30:00 AM | 221400.000 | 19.012 | 16.249 |
| 43.335 | 685.774 | 823.398 | 0.407 |
| 559.911 | 1458.205 | 0.999 | 14.703 |
| 10/15/2016 11:45:00 AM | 222300.000 | 19.012 | 16.249 |
| 43.335 | 685.898 | 823.549 | 0.407 |
| 560.013 | 1457.942 | 0.999 | 14.699 |
| 10/15/2016 12:00:00 PM | 223200.000 | 19.014 | 16.250 |
| 43.338 | 686.048 | 823.715 | 0.407 |
| 560.126 | 1457.624 | 0.999 | 14.698 |
| 10/15/2016 12:15:00 PM | 224100.000 | 19.020 | 16.250 |
| 43.353 | 685.836 | 823.461 | 0.407 |
| 559.953 | 1458.074 | 0.999 | 14.694 |
| 10/15/2016 12:30:00 PM | 225000.000 | 19.018 | 16.249 |
| 43.347 | 685.842 | 823.476 | 0.407 |
| 559.964 | 1458.062 | 0.999 | 14.693 |
| 10/15/2016 12:45:00 PM | 225900.000 | 19.004 | 16.250 |
| 43.317 | 685.829 | 823.454 | 0.407 |
| 559.948 | 1458.090 | 0.999 | 14.693 |
| 10/15/2016 1:00:00 PM | 226800.000 | 19.011 | 16.250 |
| 43.331 | 686.003 | 823.663 | 0.407 |
| 560.091 | 1457.720 | 0.999 | 14.689 |
| 10/15/2016 1:15:00 PM | 227700.000 | 19.012 | 16.250 |
| 43.335 | 685.686 | 823.276 | 0.407 |
| 559.828 | 1458.393 | 0.999 | 14.677 |
| 10/15/2016 1:30:00 PM | 228600.000 | 19.014 | 16.249 |
| 43.338 | 685.836 | 823.467 | 0.407 |
| 559.958 | 1458.074 | 0.999 | 14.677 |
| 10/15/2016 1:45:00 PM | 229500.000 | 19.019 | 16.250 |
| 43.350 | 685.602 | 823.176 | 0.407 |

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|---|---|---|---|
| 559.760 | 1458.573 | 0.999 | 14.672 |
| 10/15/2016 2:00:00 PM | 230400.000 | 19.017 | 16.250 |
| 43.347 | 685.605 | 823.185 | 0.407 |
| 559.766 | 1458.565 | 0.999 | 14.670 |
| 10/15/2016 2:15:00 PM | 231300.000 | 19.018 | 16.250 |
| 43.349 | 685.874 | 823.504 | 0.407 |
| 559.983 | 1457.994 | 0.999 | 14.667 |
| 10/15/2016 2:30:00 PM | 232200.000 | 19.017 | 16.250 |
| 43.345 | 685.855 | 823.482 | 0.407 |
| 559.968 | 1458.034 | 0.999 | 14.659 |
| 10/15/2016 2:45:00 PM | 233100.000 | 19.031 | 16.250 |
| 43.378 | 685.872 | 823.493 | 0.407 |
| 559.976 | 1457.999 | 0.999 | 14.651 |
| 10/15/2016 3:00:00 PM | 234000.000 | 19.022 | 16.250 |
| 43.357 | 685.848 | 823.467 | 0.407 |
| 559.957 | 1458.049 | 0.999 | 14.659 |
| 10/15/2016 3:15:00 PM | 234900.000 | 19.016 | 16.250 |
| 43.343 | 685.845 | 823.464 | 0.407 |
| 559.956 | 1458.056 | 0.999 | 14.664 |
| 10/15/2016 3:30:00 PM | 235800.000 | 19.019 | 16.249 |
| 43.351 | 685.874 | 823.520 | 0.407 |
| 559.994 | 1457.993 | 0.999 | 14.663 |
| 10/15/2016 3:45:00 PM | 236700.000 | 19.016 | 16.249 |
| 43.342 | 685.796 | 823.430 | 0.407 |
| 559.933 | 1458.160 | 0.999 | 14.660 |
| 10/15/2016 4:00:00 PM | 237600.000 | 19.024 | 16.248 |
| 43.362 | 685.790 | 823.430 | 0.407 |
| 559.933 | 1458.172 | 0.999 | 14.655 |
| 10/15/2016 4:15:00 PM | 238500.000 | 19.018 | 16.249 |
| 43.349 | 685.637 | 823.239 | 0.407 |
| 559.803 | 1458.498 | 0.999 | 14.659 |
| 10/15/2016 4:30:00 PM | 239400.000 | 19.014 | 16.249 |
| 43.338 | 685.610 | 823.212 | 0.407 |
| 559.784 | 1458.556 | 0.999 | 14.669 |
| 10/15/2016 4:45:00 PM | 240300.000 | 19.017 | 16.248 |
| 43.345 | 685.538 | 823.141 | 0.407 |
| 559.736 | 1458.708 | 0.999 | 14.674 |
| 10/15/2016 5:00:00 PM | 241200.000 | 19.020 | 16.247 |
| 43.352 | 685.791 | 823.449 | 0.407 |
| 559.945 | 1458.171 | 0.999 | 14.667 |
| 10/15/2016 5:15:00 PM | 242100.000 | 19.019 | 16.247 |
| 43.351 | 685.603 | 823.234 | 0.407 |
| 559.799 | 1458.570 | 0.999 | 14.668 |
| 10/15/2016 5:30:00 PM | 243000.000 | 19.019 | 16.247 |
| 43.349 | 685.649 | 823.290 | 0.407 |
| 559.837 | 1458.473 | 0.999 | 14.670 |
| 10/15/2016 5:45:00 PM | 243900.000 | 19.023 | 16.247 |
| 43.359 | 685.654 | 823.302 | 0.407 |
| 559.845 | 1458.461 | 0.999 | 14.668 |
| 10/15/2016 6:00:00 PM | 244800.000 | 19.023 | 16.246 |
| 43.359 | 685.428 | 823.047 | 0.407 |
| 559.672 | 1458.943 | 0.999 | 14.664 |
| 10/15/2016 6:15:00 PM | 245700.000 | 19.028 | 16.246 |
| 43.371 | 685.477 | 823.103 | 0.407 |

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|---|---|---|---|
| 559.710 | 1458.837 | 0.999 | 14.659 |
| 10/15/2016 6:30:00 PM | 246600.000 | 19.026 | 16.246 |
| 43.365 | 685.501 | 823.126 | 0.407 |
| 559.726 | 1458.787 | 0.999 | 14.660 |
| 10/15/2016 6:45:00 PM | 247500.000 | 19.020 | 16.246 |
| 43.352 | 685.539 | 823.177 | 0.407 |
| 559.760 | 1458.705 | 0.999 | 14.663 |
| 10/15/2016 7:00:00 PM | 248400.000 | 19.019 | 16.245 |
| 43.351 | 685.488 | 823.127 | 0.407 |
| 559.727 | 1458.815 | 0.999 | 14.662 |
| 10/15/2016 7:15:00 PM | 249300.000 | 19.023 | 16.245 |
| 43.360 | 685.532 | 823.185 | 0.407 |
| 559.766 | 1458.722 | 0.999 | 14.660 |
| 10/15/2016 7:30:00 PM | 250200.000 | 19.028 | 16.245 |
| 43.370 | 685.523 | 823.174 | 0.407 |
| 559.758 | 1458.741 | 0.999 | 14.655 |
| 10/15/2016 7:45:00 PM | 251100.000 | 19.029 | 16.244 |
| 43.373 | 685.539 | 823.205 | 0.407 |
| 559.780 | 1458.706 | 0.999 | 14.662 |
| 10/15/2016 8:00:00 PM | 252000.000 | 19.019 | 16.245 |
| 43.350 | 685.403 | 823.026 | 0.407 |
| 559.658 | 1458.996 | 0.999 | 14.667 |
| 10/15/2016 8:15:00 PM | 252900.000 | 19.022 | 16.245 |
| 43.356 | 685.062 | 822.626 | 0.407 |
| 559.386 | 1459.721 | 0.999 | 14.666 |
| 10/15/2016 8:30:00 PM | 253800.000 | 19.019 | 16.245 |
| 43.351 | 685.373 | 822.990 | 0.407 |
| 559.633 | 1459.060 | 0.999 | 14.670 |
| 10/15/2016 8:45:00 PM | 254700.000 | 19.029 | 16.245 |
| 43.372 | 685.196 | 822.781 | 0.407 |
| 559.491 | 1459.436 | 0.999 | 14.663 |
| 10/15/2016 9:00:00 PM | 255600.000 | 19.016 | 16.244 |
| 43.342 | 685.107 | 822.688 | 0.407 |
| 559.428 | 1459.625 | 0.999 | 14.672 |
| 10/15/2016 9:15:00 PM | 256500.000 | 19.019 | 16.244 |
| 43.350 | 685.190 | 822.795 | 0.407 |
| 559.500 | 1459.448 | 0.999 | 14.670 |
| 10/15/2016 9:30:00 PM | 257400.000 | 19.018 | 16.244 |
| 43.349 | 685.156 | 822.747 | 0.407 |
| 559.468 | 1459.521 | 0.999 | 14.664 |
| 10/15/2016 9:45:00 PM | 258300.000 | 19.024 | 16.245 |
| 43.361 | 685.085 | 822.655 | 0.407 |
| 559.405 | 1459.673 | 0.999 | 14.669 |
| 10/15/2016 10:00:00 PM | 259200.000 | 19.022 | 16.244 |
| 43.356 | 685.223 | 822.832 | 0.407 |
| 559.526 | 1459.380 | 0.999 | 14.679 |
| 10/15/2016 10:15:00 PM | 260100.000 | 19.027 | 16.244 |
| 43.369 | 685.149 | 822.745 | 0.407 |
| 559.467 | 1459.536 | 0.999 | 14.672 |
| 10/15/2016 10:30:00 PM | 261000.000 | 19.031 | 16.244 |
| 43.377 | 684.986 | 822.553 | 0.407 |
| 559.336 | 1459.884 | 0.999 | 14.669 |
| 10/15/2016 10:45:00 PM | 261900.000 | 19.021 | 16.244 |
| 43.355 | 684.792 | 822.315 | 0.406 |

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|---|---|---|---|
| 559.174 | 1460.296 | 0.999 | 14.672 |
| 10/15/2016 11:00:00 PM | 262800.000 | 19.019 | 16.244 |
| 43.351 | 684.904 | 822.457 | 0.407 |
| 559.271 | 1460.059 | 0.999 | 14.670 |
| 10/15/2016 11:15:00 PM | 263700.000 | 19.026 | 16.244 |
| 43.367 | 684.819 | 822.353 | 0.406 |
| 559.200 | 1460.240 | 0.999 | 14.671 |
| 10/15/2016 11:30:00 PM | 264600.000 | 19.021 | 16.243 |
| 43.354 | 684.791 | 822.327 | 0.406 |
| 559.182 | 1460.300 | 0.999 | 14.675 |
| 10/15/2016 11:45:00 PM | 265500.000 | 19.020 | 16.243 |
| 43.352 | 684.970 | 822.542 | 0.407 |
| 559.328 | 1459.918 | 0.999 | 14.677 |
| 10/16/2016 12:00:00 AM | 266400.000 | 19.024 | 16.243 |
| 43.362 | 684.773 | 822.303 | 0.406 |
| 559.166 | 1460.338 | 0.999 | 14.678 |
| 10/16/2016 12:15:00 AM | 267300.000 | 19.026 | 16.244 |
| 43.367 | 684.901 | 822.447 | 0.407 |
| 559.264 | 1460.066 | 0.999 | 14.677 |
| 10/16/2016 12:30:00 AM | 268200.000 | 19.015 | 16.243 |
| 43.341 | 684.579 | 822.075 | 0.406 |
| 559.011 | 1460.752 | 0.999 | 14.681 |
| 10/16/2016 12:45:00 AM | 269100.000 | 19.016 | 16.243 |
| 43.343 | 684.827 | 822.372 | 0.406 |
| 559.213 | 1460.222 | 0.999 | 14.684 |
| 10/16/2016 1:00:00 AM | 270000.000 | 19.014 | 16.243 |
| 43.339 | 684.864 | 822.414 | 0.406 |
| 559.242 | 1460.144 | 0.999 | 14.683 |
| 10/16/2016 1:15:00 AM | 270900.000 | 19.021 | 16.243 |
| 43.356 | 684.581 | 822.076 | 0.406 |
| 559.012 | 1460.747 | 0.999 | 14.680 |
| 10/16/2016 1:30:00 AM | 271800.000 | 19.015 | 16.244 |
| 43.341 | 684.634 | 822.134 | 0.406 |
| 559.051 | 1460.634 | 0.999 | 14.682 |
| 10/16/2016 1:45:00 AM | 272700.000 | 19.026 | 16.244 |
| 43.366 | 684.816 | 822.352 | 0.406 |
| 559.200 | 1460.246 | 0.999 | 14.682 |
| 10/16/2016 2:00:00 AM | 273600.000 | 19.019 | 16.244 |
| 43.351 | 684.718 | 822.231 | 0.406 |
| 559.117 | 1460.454 | 0.999 | 14.686 |
| 10/16/2016 2:15:00 AM | 274500.000 | 19.019 | 16.244 |
| 43.349 | 684.685 | 822.184 | 0.406 |
| 559.085 | 1460.526 | 0.999 | 14.684 |
| 10/16/2016 2:30:00 AM | 275400.000 | 19.025 | 16.244 |
| 43.363 | 684.486 | 821.952 | 0.406 |
| 558.928 | 1460.950 | 0.999 | 14.682 |
| 10/16/2016 2:45:00 AM | 276300.000 | 19.019 | 16.243 |
| 43.351 | 684.720 | 822.240 | 0.406 |
| 559.123 | 1460.450 | 0.999 | 14.684 |
| 10/16/2016 3:00:00 AM | 277200.000 | 19.027 | 16.244 |
| 43.368 | 684.467 | 821.926 | 0.406 |
| 558.910 | 1460.991 | 0.999 | 14.678 |
| 10/16/2016 3:15:00 AM | 278100.000 | 19.025 | 16.244 |
| 43.365 | 684.618 | 822.111 | 0.406 |

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|---|---|---|---|
| 559.035 | 1460.668 | 0.999 | 14.681 |
| 10/16/2016 3:30:00 AM | 279000.000 | 19.030 | 16.244 |
| 43.375 | 684.448 | 821.893 | 0.406 |
| 558.887 | 1461.032 | 0.999 | 14.673 |
| 10/16/2016 3:45:00 AM | 279900.000 | 19.024 | 16.244 |
| 43.362 | 684.410 | 821.850 | 0.406 |
| 558.858 | 1461.112 | 0.999 | 14.673 |
| 10/16/2016 4:00:00 AM | 280800.000 | 19.029 | 16.244 |
| 43.374 | 684.394 | 821.845 | 0.406 |
| 558.854 | 1461.148 | 0.999 | 14.674 |
| 10/16/2016 4:15:00 AM | 281700.000 | 19.023 | 16.244 |
| 43.359 | 684.336 | 821.777 | 0.406 |
| 558.809 | 1461.270 | 0.999 | 14.674 |
| 10/16/2016 4:30:00 AM | 282600.000 | 19.026 | 16.244 |
| 43.367 | 684.445 | 821.903 | 0.406 |
| 558.894 | 1461.038 | 0.999 | 14.668 |
| 10/16/2016 4:45:00 AM | 283500.000 | 19.024 | 16.244 |
| 43.362 | 684.531 | 821.998 | 0.406 |
| 558.958 | 1460.855 | 0.999 | 14.672 |
| 10/16/2016 5:00:00 AM | 284400.000 | 19.025 | 16.244 |
| 43.363 | 684.361 | 821.794 | 0.406 |
| 558.820 | 1461.217 | 0.999 | 14.672 |
| 10/16/2016 5:15:00 AM | 285300.000 | 19.024 | 16.243 |
| 43.361 | 684.512 | 821.989 | 0.406 |
| 558.953 | 1460.896 | 0.999 | 14.673 |
| 10/16/2016 5:30:00 AM | 286200.000 | 19.027 | 16.244 |
| 43.367 | 684.010 | 821.384 | 0.406 |
| 558.541 | 1461.966 | 0.999 | 14.669 |
| 10/16/2016 5:45:00 AM | 287100.000 | 19.014 | 16.244 |
| 43.338 | 684.058 | 821.436 | 0.406 |
| 558.577 | 1461.865 | 0.999 | 14.677 |
| 10/16/2016 6:00:00 AM | 288000.000 | 19.024 | 16.244 |
| 43.361 | 684.142 | 821.541 | 0.406 |
| 558.648 | 1461.685 | 0.999 | 14.669 |
| 10/16/2016 6:15:00 AM | 288900.000 | 19.025 | 16.244 |
| 43.363 | 684.250 | 821.661 | 0.406 |
| 558.730 | 1461.455 | 0.999 | 14.668 |
| 10/16/2016 6:30:00 AM | 289800.000 | 19.025 | 16.244 |
| 43.363 | 684.269 | 821.688 | 0.406 |
| 558.748 | 1461.414 | 0.999 | 14.668 |
| 10/16/2016 6:45:00 AM | 290700.000 | 19.019 | 16.245 |
| 43.349 | 684.068 | 821.432 | 0.406 |
| 558.574 | 1461.842 | 0.999 | 14.675 |
| 10/16/2016 7:00:00 AM | 291600.000 | 19.030 | 16.245 |
| 43.375 | 683.941 | 821.274 | 0.406 |
| 558.467 | 1462.115 | 0.999 | 14.667 |
| 10/16/2016 7:15:00 AM | 292500.000 | 19.028 | 16.245 |
| 43.370 | 683.941 | 821.271 | 0.406 |
| 558.464 | 1462.115 | 0.999 | 14.671 |
| 10/16/2016 7:30:00 AM | 293400.000 | 19.030 | 16.247 |
| 43.376 | 683.967 | 821.277 | 0.406 |
| 558.469 | 1462.060 | 0.999 | 14.669 |
| 10/16/2016 7:45:00 AM | 294300.000 | 19.036 | 16.248 |
| 43.390 | 683.928 | 821.200 | 0.406 |

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|---|---|---|---|
| 558.416 | 1462.143 | 0.999 | 14.666 |
| 10/16/2016 8:00:00 AM | 295200.000 | 19.031 | 16.250 |
| 43.377 | 684.114 | 821.392 | 0.406 |
| 558.547 | 1461.745 | 0.999 | 14.662 |
| 10/16/2016 8:15:00 AM | 296100.000 | 19.035 | 16.251 |
| 43.387 | 683.654 | 820.822 | 0.406 |
| 558.159 | 1462.729 | 0.999 | 14.661 |
| 10/16/2016 8:30:00 AM | 297000.000 | 19.026 | 16.252 |
| 43.367 | 684.103 | 821.342 | 0.406 |
| 558.513 | 1461.767 | 0.999 | 14.667 |
| 10/16/2016 8:45:00 AM | 297900.000 | 19.031 | 16.253 |
| 43.378 | 684.169 | 821.407 | 0.406 |
| 558.557 | 1461.627 | 0.999 | 14.668 |
| 10/16/2016 9:00:00 AM | 298800.000 | 19.034 | 16.253 |
| 43.384 | 683.871 | 821.035 | 0.406 |
| 558.304 | 1462.264 | 0.999 | 14.662 |
| 10/16/2016 9:15:00 AM | 299700.000 | 19.034 | 16.254 |
| 43.384 | 684.106 | 821.305 | 0.406 |
| 558.488 | 1461.762 | 0.999 | 14.661 |
| 10/16/2016 9:30:00 AM | 300600.000 | 19.037 | 16.255 |
| 43.391 | 683.705 | 820.800 | 0.406 |
| 558.144 | 1462.618 | 0.999 | 14.664 |
| 10/16/2016 9:45:00 AM | 301500.000 | 19.032 | 16.256 |
| 43.381 | 683.938 | 821.058 | 0.406 |
| 558.319 | 1462.121 | 0.999 | 14.663 |
| 10/16/2016 10:00:00 AM | 302400.000 | 19.038 | 16.257 |
| 43.394 | 683.704 | 820.774 | 0.406 |
| 558.126 | 1462.620 | 0.999 | 14.664 |
| 10/16/2016 10:15:00 AM | 303300.000 | 19.035 | 16.258 |
| 43.386 | 683.975 | 821.072 | 0.406 |
| 558.329 | 1462.043 | 0.999 | 14.665 |
| 10/16/2016 10:30:00 AM | 304200.000 | 19.038 | 16.259 |
| 43.392 | 683.847 | 820.899 | 0.406 |
| 558.211 | 1462.314 | 0.999 | 14.660 |
| 10/16/2016 10:45:00 AM | 305100.000 | 19.038 | 16.260 |
| 43.393 | 684.001 | 821.067 | 0.406 |
| 558.325 | 1461.987 | 0.999 | 14.659 |
| 10/16/2016 11:00:00 AM | 306000.000 | 19.035 | 16.261 |
| 43.386 | 683.666 | 820.646 | 0.406 |
| 558.039 | 1462.704 | 0.999 | 14.660 |
| 10/16/2016 11:15:00 AM | 306900.000 | 19.038 | 16.263 |
| 43.393 | 683.593 | 820.520 | 0.406 |
| 557.954 | 1462.860 | 0.999 | 14.658 |
| 10/16/2016 11:30:00 AM | 307800.000 | 19.028 | 16.263 |
| 43.370 | 683.578 | 820.498 | 0.406 |
| 557.939 | 1462.891 | 0.999 | 14.658 |
| 10/16/2016 11:45:00 AM | 308700.000 | 19.031 | 16.264 |
| 43.377 | 683.899 | 820.866 | 0.406 |
| 558.189 | 1462.205 | 0.999 | 14.659 |
| 10/16/2016 12:00:00 PM | 309600.000 | 19.044 | 16.265 |
| 43.407 | 683.865 | 820.808 | 0.406 |
| 558.150 | 1462.276 | 0.999 | 14.652 |
| 10/16/2016 12:15:00 PM | 310500.000 | 19.041 | 16.266 |
| 43.400 | 683.518 | 820.370 | 0.405 |

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|---|---|---|---|
| 557.852 | 1463.018 | 0.999 | 14.647 |
| 10/16/2016 12:30:00 PM | 311400.000 | 19.035 | 16.268 |
| 43.387 | 683.532 | 820.353 | 0.405 |
| 557.840 | 1462.990 | 0.999 | 14.652 |
| 10/16/2016 12:45:00 PM | 312300.000 | 19.038 | 16.268 |
| 43.393 | 683.636 | 820.475 | 0.405 |
| 557.923 | 1462.768 | 0.999 | 14.653 |
| 10/16/2016 1:00:00 PM | 313200.000 | 19.041 | 16.269 |
| 43.400 | 683.796 | 820.641 | 0.406 |
| 558.036 | 1462.425 | 0.999 | 14.652 |
| 10/16/2016 1:15:00 PM | 314100.000 | 19.048 | 16.270 |
| 43.415 | 683.610 | 820.404 | 0.405 |
| 557.875 | 1462.823 | 0.999 | 14.645 |
| 10/16/2016 1:30:00 PM | 315000.000 | 19.035 | 16.270 |
| 43.387 | 683.374 | 820.117 | 0.405 |
| 557.679 | 1463.327 | 0.999 | 14.654 |
| 10/16/2016 1:45:00 PM | 315900.000 | 19.044 | 16.271 |
| 43.408 | 683.505 | 820.255 | 0.405 |
| 557.774 | 1463.047 | 0.999 | 14.641 |
| 10/16/2016 2:00:00 PM | 316800.000 | 19.046 | 16.272 |
| 43.411 | 683.532 | 820.273 | 0.405 |
| 557.786 | 1462.989 | 0.999 | 14.636 |
| 10/16/2016 2:15:00 PM | 317700.000 | 19.051 | 16.273 |
| 43.422 | 683.293 | 819.969 | 0.405 |
| 557.579 | 1463.502 | 0.999 | 14.632 |
| 10/16/2016 2:30:00 PM | 318600.000 | 19.047 | 16.274 |
| 43.415 | 683.388 | 820.071 | 0.405 |
| 557.649 | 1463.298 | 0.999 | 14.630 |
| 10/16/2016 2:45:00 PM | 319500.000 | 19.042 | 16.274 |
| 43.403 | 683.237 | 819.881 | 0.405 |
| 557.519 | 1463.621 | 0.999 | 14.636 |
| 10/16/2016 3:00:00 PM | 320400.000 | 19.047 | 16.274 |
| 43.415 | 683.495 | 820.194 | 0.405 |
| 557.732 | 1463.068 | 0.999 | 14.631 |
| 10/16/2016 3:15:00 PM | 321300.000 | 19.041 | 16.275 |
| 43.401 | 683.040 | 819.633 | 0.405 |
| 557.351 | 1464.042 | 0.999 | 14.638 |
| 10/16/2016 3:30:00 PM | 322200.000 | 19.054 | 16.275 |
| 43.430 | 683.117 | 819.718 | 0.405 |
| 557.408 | 1463.879 | 0.999 | 14.633 |
| 10/16/2016 3:45:00 PM | 323100.000 | 19.046 | 16.275 |
| 43.413 | 683.214 | 819.831 | 0.405 |
| 557.485 | 1463.669 | 0.999 | 14.635 |
| 10/16/2016 4:00:00 PM | 324000.000 | 19.048 | 16.275 |
| 43.416 | 683.349 | 819.992 | 0.405 |
| 557.595 | 1463.381 | 0.999 | 14.631 |
| 10/16/2016 4:15:00 PM | 324900.000 | 19.054 | 16.276 |
| 43.430 | 683.349 | 819.972 | 0.405 |
| 557.581 | 1463.381 | 0.999 | 14.635 |
| 10/16/2016 4:30:00 PM | 325800.000 | 19.044 | 16.276 |
| 43.407 | 683.157 | 819.743 | 0.405 |
| 557.425 | 1463.793 | 0.999 | 14.639 |
| 10/16/2016 4:45:00 PM | 326700.000 | 19.049 | 16.277 |
| 43.420 | 683.342 | 819.959 | 0.405 |

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|---|---|---|---|
| 557.572 | 1463.395 | 0.999 | 14.639 |
| 10/16/2016 5:00:00 PM | 327600.000 | 19.052 | 16.277 |
| 43.425 | 683.030 | 819.581 | 0.405 |
| 557.315 | 1464.065 | 0.999 | 14.639 |
| 10/16/2016 5:15:00 PM | 328500.000 | 19.058 | 16.277 |
| 43.439 | 683.162 | 819.734 | 0.405 |
| 557.419 | 1463.782 | 0.999 | 14.644 |
| 10/16/2016 5:30:00 PM | 329400.000 | 19.044 | 16.277 |
| 43.407 | 683.093 | 819.654 | 0.405 |
| 557.365 | 1463.929 | 0.999 | 14.652 |
| 10/16/2016 5:45:00 PM | 330300.000 | 19.046 | 16.277 |
| 43.411 | 683.131 | 819.694 | 0.405 |
| 557.392 | 1463.847 | 0.999 | 14.652 |
| 10/16/2016 6:00:00 PM | 331200.000 | 19.061 | 16.277 |
| 43.445 | 683.138 | 819.706 | 0.405 |
| 557.400 | 1463.833 | 0.999 | 14.649 |
| 10/16/2016 6:15:00 PM | 332100.000 | 19.046 | 16.277 |
| 43.413 | 682.942 | 819.468 | 0.405 |
| 557.238 | 1464.252 | 0.999 | 14.653 |
| 10/16/2016 6:30:00 PM | 333000.000 | 19.052 | 16.277 |
| 43.425 | 682.804 | 819.302 | 0.405 |
| 557.125 | 1464.549 | 0.999 | 14.652 |
| 10/16/2016 6:45:00 PM | 333900.000 | 19.055 | 16.277 |
| 43.433 | 682.949 | 819.479 | 0.405 |
| 557.245 | 1464.239 | 0.999 | 14.654 |
| 10/16/2016 7:00:00 PM | 334800.000 | 19.047 | 16.277 |
| 43.414 | 683.050 | 819.596 | 0.405 |
| 557.325 | 1464.021 | 0.999 | 14.657 |
| 10/16/2016 7:15:00 PM | 335700.000 | 19.054 | 16.277 |
| 43.429 | 682.684 | 819.157 | 0.405 |
| 557.027 | 1464.807 | 0.999 | 14.651 |
| 10/16/2016 7:30:00 PM | 336600.000 | 19.053 | 16.278 |
| 43.427 | 682.863 | 819.364 | 0.405 |
| 557.168 | 1464.422 | 0.999 | 14.656 |
| 10/16/2016 7:45:00 PM | 337500.000 | 19.044 | 16.277 |
| 43.408 | 682.618 | 819.079 | 0.405 |
| 556.974 | 1464.948 | 0.999 | 14.665 |
| 10/16/2016 8:00:00 PM | 338400.000 | 19.058 | 16.277 |
| 43.439 | 682.757 | 819.250 | 0.405 |
| 557.090 | 1464.650 | 0.999 | 14.652 |
| 10/16/2016 8:15:00 PM | 339300.000 | 19.064 | 16.277 |
| 43.452 | 682.667 | 819.152 | 0.405 |
| 557.023 | 1464.844 | 0.999 | 14.650 |
| 10/16/2016 8:30:00 PM | 340200.000 | 19.053 | 16.277 |
| 43.428 | 682.618 | 819.090 | 0.405 |
| 556.981 | 1464.948 | 0.999 | 14.661 |
| 10/16/2016 8:45:00 PM | 341100.000 | 19.058 | 16.277 |
| 43.438 | 682.899 | 819.431 | 0.405 |
| 557.213 | 1464.345 | 0.999 | 14.659 |
| 10/16/2016 9:00:00 PM | 342000.000 | 19.053 | 16.277 |
| 43.427 | 682.760 | 819.263 | 0.405 |
| 557.099 | 1464.644 | 0.999 | 14.661 |
| 10/16/2016 9:15:00 PM | 342900.000 | 19.060 | 16.276 |
| 43.444 | 682.590 | 819.069 | 0.405 |

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|---|---|---|---|
| 556.967 | 1465.007 | 0.999 | 14.658 |
| 10/16/2016 9:30:00 PM | 343800.000 | 19.056 | 16.276 |
| 43.435 | 682.314 | 818.740 | 0.405 |
| 556.744 | 1465.600 | 0.999 | 14.662 |
| 10/16/2016 9:45:00 PM | 344700.000 | 19.049 | 16.276 |
| 43.418 | 682.694 | 819.197 | 0.405 |
| 557.054 | 1464.784 | 0.999 | 14.667 |
| 10/16/2016 10:00:00 PM | 345600.000 | 19.058 | 16.276 |
| 43.439 | 682.596 | 819.074 | 0.405 |
| 556.970 | 1464.995 | 0.999 | 14.672 |
| 10/16/2016 10:15:00 PM | 346500.000 | 19.052 | 16.276 |
| 43.426 | 682.475 | 818.930 | 0.405 |
| 556.872 | 1465.256 | 0.999 | 14.672 |
| 10/16/2016 10:30:00 PM | 347400.000 | 19.064 | 16.276 |
| 43.453 | 682.212 | 818.616 | 0.405 |
| 556.659 | 1465.820 | 0.999 | 14.664 |
| 10/16/2016 10:45:00 PM | 348300.000 | 19.055 | 16.276 |
| 43.432 | 682.500 | 818.963 | 0.405 |
| 556.895 | 1465.202 | 0.999 | 14.674 |
| 10/16/2016 11:00:00 PM | 349200.000 | 19.061 | 16.276 |
| 43.446 | 682.403 | 818.853 | 0.405 |
| 556.820 | 1465.411 | 0.999 | 14.677 |
| 10/16/2016 11:15:00 PM | 350100.000 | 19.055 | 16.275 |
| 43.433 | 682.529 | 819.008 | 0.405 |
| 556.925 | 1465.139 | 0.999 | 14.677 |
| 10/16/2016 11:30:00 PM | 351000.000 | 19.053 | 16.275 |
| 43.427 | 682.479 | 818.958 | 0.405 |
| 556.891 | 1465.247 | 0.999 | 14.682 |
| 10/16/2016 11:45:00 PM | 351900.000 | 19.055 | 16.275 |
| 43.433 | 682.470 | 818.948 | 0.405 |
| 556.884 | 1465.265 | 0.999 | 14.678 |
| 10/17/2016 12:00:00 AM | 352800.000 | 19.052 | 16.274 |
| 43.424 | 682.257 | 818.710 | 0.405 |
| 556.723 | 1465.723 | 0.999 | 14.680 |
| 10/17/2016 12:15:00 AM | 353700.000 | 19.060 | 16.274 |
| 43.444 | 682.392 | 818.862 | 0.405 |
| 556.826 | 1465.434 | 0.999 | 14.676 |
| 10/17/2016 12:30:00 AM | 354600.000 | 19.054 | 16.274 |
| 43.431 | 682.169 | 818.600 | 0.405 |
| 556.648 | 1465.913 | 0.999 | 14.687 |
| 10/17/2016 12:45:00 AM | 355500.000 | 19.060 | 16.274 |
| 43.444 | 682.216 | 818.661 | 0.405 |
| 556.689 | 1465.811 | 0.999 | 14.689 |
| 10/17/2016 1:00:00 AM | 356400.000 | 19.043 | 16.274 |
| 43.405 | 682.600 | 819.126 | 0.405 |
| 557.006 | 1464.987 | 0.999 | 14.700 |
| 10/17/2016 1:15:00 AM | 357300.000 | 19.054 | 16.273 |
| 43.430 | 682.397 | 818.889 | 0.405 |
| 556.844 | 1465.423 | 0.999 | 14.699 |
| 10/17/2016 1:30:00 AM | 358200.000 | 19.057 | 16.273 |
| 43.436 | 682.443 | 818.944 | 0.405 |
| 556.882 | 1465.325 | 0.999 | 14.701 |
| 10/17/2016 1:45:00 AM | 359100.000 | 19.053 | 16.273 |
| 43.427 | 682.276 | 818.751 | 0.405 |

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|---|---|---|---|
| 556.751 | 1465.682 | 0.999 | 14.700 |
| 10/17/2016 2:00:00 AM | 360000.000 | 19.051 | 16.273 |
| 43.422 | 682.225 | 818.696 | 0.405 |
| 556.713 | 1465.792 | 0.999 | 14.707 |
| 10/17/2016 2:15:00 AM | 360900.000 | 19.058 | 16.272 |
| 43.439 | 682.234 | 818.720 | 0.405 |
| 556.730 | 1465.772 | 0.999 | 14.703 |
| 10/17/2016 2:30:00 AM | 361800.000 | 19.052 | 16.272 |
| 43.424 | 682.041 | 818.481 | 0.404 |
| 556.567 | 1466.187 | 0.999 | 14.709 |
| 10/17/2016 2:45:00 AM | 362700.000 | 19.056 | 16.271 |
| 43.435 | 682.299 | 818.806 | 0.405 |
| 556.788 | 1465.633 | 0.999 | 14.707 |
| 10/17/2016 3:00:00 AM | 363600.000 | 19.052 | 16.272 |
| 43.426 | 682.189 | 818.671 | 0.405 |
| 556.696 | 1465.869 | 0.999 | 14.709 |
| 10/17/2016 3:15:00 AM | 364500.000 | 19.060 | 16.271 |
| 43.443 | 682.149 | 818.634 | 0.405 |
| 556.671 | 1465.956 | 0.999 | 14.705 |
| 10/17/2016 3:30:00 AM | 365400.000 | 19.051 | 16.271 |
| 43.423 | 682.463 | 819.011 | 0.405 |
| 556.928 | 1465.281 | 0.999 | 14.710 |
| 10/17/2016 3:45:00 AM | 366300.000 | 19.055 | 16.271 |
| 43.433 | 682.080 | 818.555 | 0.405 |
| 556.617 | 1466.104 | 0.999 | 14.709 |
| 10/17/2016 4:00:00 AM | 367200.000 | 19.055 | 16.271 |
| 43.431 | 682.428 | 818.979 | 0.405 |
| 556.906 | 1465.357 | 0.999 | 14.709 |
| 10/17/2016 4:15:00 AM | 368100.000 | 19.055 | 16.270 |
| 43.433 | 682.125 | 818.619 | 0.405 |
| 556.661 | 1466.007 | 0.999 | 14.714 |
| 10/17/2016 4:30:00 AM | 369000.000 | 19.055 | 16.269 |
| 43.432 | 682.309 | 818.864 | 0.405 |
| 556.828 | 1465.612 | 0.999 | 14.713 |
| 10/17/2016 4:45:00 AM | 369900.000 | 19.062 | 16.269 |
| 43.448 | 682.366 | 818.931 | 0.405 |
| 556.873 | 1465.489 | 0.999 | 14.708 |
| 10/17/2016 5:00:00 AM | 370800.000 | 19.054 | 16.268 |
| 43.430 | 682.546 | 819.160 | 0.405 |
| 557.029 | 1465.104 | 0.999 | 14.721 |
| 10/17/2016 5:15:00 AM | 371700.000 | 19.063 | 16.268 |
| 43.450 | 682.092 | 818.624 | 0.405 |
| 556.665 | 1466.077 | 0.999 | 14.716 |
| 10/17/2016 5:30:00 AM | 372600.000 | 19.054 | 16.267 |
| 43.429 | 682.375 | 818.973 | 0.405 |
| 556.902 | 1465.470 | 0.999 | 14.724 |
| 10/17/2016 5:45:00 AM | 373500.000 | 19.056 | 16.267 |
| 43.435 | 682.266 | 818.848 | 0.405 |
| 556.817 | 1465.703 | 0.999 | 14.729 |
| 10/17/2016 6:00:00 AM | 374400.000 | 19.056 | 16.267 |
| 43.434 | 682.194 | 818.768 | 0.405 |
| 556.762 | 1465.859 | 0.999 | 14.726 |
| 10/17/2016 6:15:00 AM | 375300.000 | 19.059 | 16.266 |
| 43.441 | 682.639 | 819.308 | 0.405 |

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|---|---|---|---|
| 557.130 | 1464.903 | 0.999 | 14.728 |
| 10/17/2016 6:30:00 AM | 376200.000 | 19.064 | 16.266 |
| 43.454 | 682.192 | 818.775 | 0.405 |
| 556.767 | 1465.862 | 0.999 | 14.729 |
| 10/17/2016 6:45:00 AM | 377100.000 | 19.059 | 16.266 |
| 43.441 | 682.274 | 818.884 | 0.405 |
| 556.841 | 1465.687 | 0.999 | 14.737 |
| 10/17/2016 7:00:00 AM | 378000.000 | 19.064 | 16.266 |
| 43.453 | 682.476 | 819.124 | 0.405 |
| 557.004 | 1465.254 | 0.999 | 14.731 |
| 10/17/2016 7:15:00 AM | 378900.000 | 19.053 | 16.265 |
| 43.428 | 682.574 | 819.250 | 0.405 |
| 557.090 | 1465.042 | 0.999 | 14.740 |
| 10/17/2016 7:30:00 AM | 379800.000 | 19.062 | 16.265 |
| 43.449 | 682.671 | 819.374 | 0.405 |
| 557.174 | 1464.833 | 0.999 | 14.736 |
| 10/17/2016 7:45:00 AM | 380700.000 | 19.055 | 16.265 |
| 43.433 | 682.128 | 818.728 | 0.405 |
| 556.735 | 1466.000 | 0.999 | 14.740 |
| 10/17/2016 8:00:00 AM | 381600.000 | 19.062 | 16.264 |
| 43.447 | 682.513 | 819.195 | 0.405 |
| 557.053 | 1465.173 | 0.999 | 14.745 |
| 10/17/2016 8:15:00 AM | 382500.000 | 19.054 | 16.264 |
| 43.429 | 682.689 | 819.415 | 0.405 |
| 557.202 | 1464.795 | 0.999 | 14.748 |
| 10/17/2016 8:30:00 AM | 383400.000 | 19.060 | 16.264 |
| 43.443 | 682.415 | 819.082 | 0.405 |
| 556.976 | 1465.384 | 0.999 | 14.750 |
| 10/17/2016 8:45:00 AM | 384300.000 | 19.057 | 16.264 |
| 43.437 | 682.410 | 819.084 | 0.405 |
| 556.977 | 1465.395 | 0.999 | 14.755 |
| 10/17/2016 9:00:00 AM | 385200.000 | 19.056 | 16.263 |
| 43.434 | 682.686 | 819.425 | 0.405 |
| 557.209 | 1464.803 | 0.999 | 14.757 |
| 10/17/2016 9:15:00 AM | 386100.000 | 19.052 | 16.263 |
| 43.425 | 682.638 | 819.367 | 0.405 |
| 557.169 | 1464.905 | 0.999 | 14.759 |
| 10/17/2016 9:30:00 AM | 387000.000 | 19.064 | 16.263 |
| 43.452 | 682.473 | 819.172 | 0.405 |
| 557.037 | 1465.258 | 0.999 | 14.755 |
| 10/17/2016 9:45:00 AM | 387900.000 | 19.059 | 16.262 |
| 43.440 | 682.723 | 819.488 | 0.405 |
| 557.252 | 1464.723 | 0.999 | 14.759 |
| 10/17/2016 10:00:00 AM | 388800.000 | 19.059 | 16.262 |
| 43.441 | 682.922 | 819.735 | 0.405 |
| 557.420 | 1464.297 | 0.999 | 14.758 |
| 10/17/2016 10:15:00 AM | 389700.000 | 19.063 | 16.261 |
| 43.450 | 682.379 | 819.095 | 0.405 |
| 556.985 | 1465.461 | 0.999 | 14.760 |
| 10/17/2016 10:30:00 AM | 390600.000 | 19.060 | 16.260 |
| 43.444 | 682.805 | 819.620 | 0.405 |
| 557.341 | 1464.547 | 0.999 | 14.761 |
| 10/17/2016 10:45:00 AM | 391500.000 | 19.057 | 16.261 |
| 43.437 | 682.736 | 819.535 | 0.405 |

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|---|---|---|---|
| 557.284 | 1464.696 | 0.999 | 14.766 |
| 10/17/2016 11:00:00 AM | 392400.000 | 19.069 | 16.260 |
| 43.464 | 682.881 | 819.716 | 0.405 |
| 557.407 | 1464.384 | 0.999 | 14.757 |
| 10/17/2016 11:15:00 AM | 393300.000 | 19.057 | 16.260 |
| 43.437 | 682.839 | 819.671 | 0.405 |
| 557.377 | 1464.475 | 0.999 | 14.766 |
| 10/17/2016 11:30:00 AM | 394200.000 | 19.055 | 16.260 |
| 43.433 | 683.003 | 819.870 | 0.405 |
| 557.512 | 1464.124 | 0.999 | 14.767 |
| 10/17/2016 11:45:00 AM | 395100.000 | 19.064 | 16.259 |
| 43.453 | 682.609 | 819.406 | 0.405 |
| 557.196 | 1464.967 | 0.999 | 14.757 |
| 10/17/2016 12:00:00 PM | 396000.000 | 19.057 | 16.259 |
| 43.436 | 682.839 | 819.685 | 0.405 |
| 557.386 | 1464.475 | 0.999 | 14.766 |
| 10/17/2016 12:15:00 PM | 396900.000 | 19.061 | 16.259 |
| 43.447 | 682.942 | 819.813 | 0.405 |
| 557.473 | 1464.254 | 0.999 | 14.760 |
| 10/17/2016 12:30:00 PM | 397800.000 | 19.062 | 16.259 |
| 43.449 | 682.876 | 819.739 | 0.405 |
| 557.423 | 1464.395 | 0.999 | 14.761 |
| 10/17/2016 12:45:00 PM | 398700.000 | 19.055 | 16.258 |
| 43.432 | 682.669 | 819.496 | 0.405 |
| 557.257 | 1464.839 | 0.999 | 14.765 |
| 10/17/2016 1:00:00 PM | 399600.000 | 19.059 | 16.258 |
| 43.441 | 682.940 | 819.825 | 0.405 |
| 557.481 | 1464.258 | 0.999 | 14.761 |
| 10/17/2016 1:15:00 PM | 400500.000 | 19.060 | 16.258 |
| 43.445 | 682.767 | 819.628 | 0.405 |
| 557.347 | 1464.629 | 0.999 | 14.760 |
| 10/17/2016 1:30:00 PM | 401400.000 | 19.065 | 16.258 |
| 43.454 | 683.028 | 819.943 | 0.405 |
| 557.561 | 1464.069 | 0.999 | 14.755 |
| 10/17/2016 1:45:00 PM | 402300.000 | 19.066 | 16.257 |
| 43.458 | 683.071 | 819.999 | 0.405 |
| 557.599 | 1463.976 | 0.999 | 14.753 |
| 10/17/2016 2:00:00 PM | 403200.000 | 19.068 | 16.257 |
| 43.461 | 682.872 | 819.763 | 0.405 |
| 557.439 | 1464.403 | 0.999 | 14.751 |
| 10/17/2016 2:15:00 PM | 404100.000 | 19.065 | 16.257 |
| 43.455 | 682.836 | 819.731 | 0.405 |
| 557.417 | 1464.481 | 0.999 | 14.756 |
| 10/17/2016 2:30:00 PM | 405000.000 | 19.058 | 16.256 |
| 43.438 | 682.683 | 819.555 | 0.405 |
| 557.298 | 1464.810 | 0.999 | 14.755 |
| 10/17/2016 2:45:00 PM | 405900.000 | 19.061 | 16.257 |
| 43.446 | 683.106 | 820.053 | 0.405 |
| 557.636 | 1463.902 | 0.999 | 14.756 |
| 10/17/2016 3:00:00 PM | 406800.000 | 19.067 | 16.256 |
| 43.460 | 683.206 | 820.181 | 0.405 |
| 557.723 | 1463.687 | 0.999 | 14.748 |
| 10/17/2016 3:15:00 PM | 407700.000 | 19.063 | 16.256 |
| 43.451 | 683.133 | 820.101 | 0.405 |

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|---|---|---|---|
| 557.669 | 1463.843 | 0.999 | 14.750 |
| 10/17/2016 3:30:00 PM | 408600.000 | 19.068 | 16.256 |
| 43.463 | 682.919 | 819.848 | 0.405 |
| 557.497 | 1464.302 | 0.999 | 14.744 |
| 10/17/2016 3:45:00 PM | 409500.000 | 19.057 | 16.255 |
| 43.436 | 682.826 | 819.747 | 0.405 |
| 557.428 | 1464.503 | 0.999 | 14.754 |
| 10/17/2016 4:00:00 PM | 410400.000 | 19.066 | 16.255 |
| 43.457 | 683.102 | 820.083 | 0.405 |
| 557.657 | 1463.910 | 0.999 | 14.747 |
| 10/17/2016 4:15:00 PM | 411300.000 | 19.058 | 16.255 |
| 43.439 | 683.109 | 820.096 | 0.405 |
| 557.666 | 1463.896 | 0.999 | 14.755 |
| 10/17/2016 4:30:00 PM | 412200.000 | 19.067 | 16.254 |
| 43.459 | 682.845 | 819.789 | 0.405 |
| 557.456 | 1464.461 | 0.999 | 14.747 |
| 10/17/2016 4:45:00 PM | 413100.000 | 19.065 | 16.254 |
| 43.456 | 682.974 | 819.950 | 0.405 |
| 557.566 | 1464.185 | 0.999 | 14.747 |
| 10/17/2016 5:00:00 PM | 414000.000 | 19.071 | 16.254 |
| 43.468 | 683.138 | 820.148 | 0.405 |
| 557.701 | 1463.833 | 0.999 | 14.746 |
| 10/17/2016 5:15:00 PM | 414900.000 | 19.066 | 16.252 |
| 43.458 | 683.185 | 820.228 | 0.405 |
| 557.755 | 1463.732 | 0.999 | 14.747 |
| 10/17/2016 5:30:00 PM | 415800.000 | 19.070 | 16.253 |
| 43.467 | 683.215 | 820.262 | 0.405 |
| 557.778 | 1463.669 | 0.999 | 14.742 |
| 10/17/2016 5:45:00 PM | 416700.000 | 19.071 | 16.253 |
| 43.468 | 683.253 | 820.306 | 0.405 |
| 557.808 | 1463.587 | 0.999 | 14.744 |
| 10/17/2016 6:00:00 PM | 417600.000 | 19.070 | 16.252 |
| 43.466 | 683.188 | 820.245 | 0.405 |
| 557.767 | 1463.726 | 0.999 | 14.743 |
| 10/17/2016 6:15:00 PM | 418500.000 | 19.071 | 16.251 |
| 43.469 | 683.147 | 820.207 | 0.405 |
| 557.741 | 1463.814 | 0.999 | 14.746 |
| 10/17/2016 6:30:00 PM | 419400.000 | 19.068 | 16.251 |
| 43.461 | 682.785 | 819.777 | 0.405 |
| 557.448 | 1464.590 | 0.999 | 14.742 |
| 10/17/2016 6:45:00 PM | 420300.000 | 19.066 | 16.250 |
| 43.457 | 682.803 | 819.805 | 0.405 |
| 557.468 | 1464.551 | 0.999 | 14.744 |
| 10/17/2016 7:00:00 PM | 421200.000 | 19.068 | 16.250 |
| 43.463 | 682.824 | 819.843 | 0.405 |
| 557.493 | 1464.505 | 0.999 | 14.742 |
| 10/17/2016 7:15:00 PM | 422100.000 | 19.068 | 16.250 |
| 43.462 | 682.930 | 819.968 | 0.405 |
| 557.578 | 1464.279 | 0.999 | 14.747 |
| 10/17/2016 7:30:00 PM | 423000.000 | 19.063 | 16.249 |
| 43.450 | 682.874 | 819.917 | 0.405 |
| 557.544 | 1464.399 | 0.999 | 14.750 |
| 10/17/2016 7:45:00 PM | 423900.000 | 19.064 | 16.249 |
| 43.453 | 682.948 | 820.014 | 0.405 |

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|---|---|---|---|
| 557.610 | 1464.241 | 0.999 | 14.753 |
| 10/17/2016 8:00:00 PM | 424800.000 | 19.068 | 16.249 |
| 43.461 | 683.103 | 820.197 | 0.405 |
| 557.734 | 1463.908 | 0.999 | 14.756 |
| 10/17/2016 8:15:00 PM | 425700.000 | 19.070 | 16.249 |
| 43.466 | 683.011 | 820.090 | 0.405 |
| 557.661 | 1464.106 | 0.999 | 14.755 |
| 10/17/2016 8:30:00 PM | 426600.000 | 19.079 | 16.248 |
| 43.486 | 682.904 | 819.974 | 0.405 |
| 557.583 | 1464.335 | 0.999 | 14.749 |
| 10/17/2016 8:45:00 PM | 427500.000 | 19.065 | 16.248 |
| 43.455 | 682.845 | 819.905 | 0.405 |
| 557.535 | 1464.462 | 0.999 | 14.762 |
| 10/17/2016 9:00:00 PM | 428400.000 | 19.072 | 16.248 |
| 43.470 | 683.081 | 820.194 | 0.405 |
| 557.732 | 1463.955 | 0.999 | 14.761 |
| 10/17/2016 9:15:00 PM | 429300.000 | 19.069 | 16.247 |
| 43.463 | 682.732 | 819.781 | 0.405 |
| 557.451 | 1464.704 | 0.999 | 14.761 |
| 10/17/2016 9:30:00 PM | 430200.000 | 19.067 | 16.247 |
| 43.459 | 682.935 | 820.031 | 0.405 |
| 557.621 | 1464.268 | 0.999 | 14.764 |
| 10/17/2016 9:45:00 PM | 431100.000 | 19.072 | 16.247 |
| 43.470 | 682.798 | 819.866 | 0.405 |
| 557.509 | 1464.562 | 0.999 | 14.758 |
| 10/17/2016 10:00:00 PM | 432000.000 | 19.072 | 16.246 |
| 43.471 | 683.061 | 820.195 | 0.405 |
| 557.733 | 1463.997 | 0.999 | 14.763 |
| 10/17/2016 10:15:00 PM | 432900.000 | 19.066 | 16.246 |
| 43.457 | 682.878 | 819.982 | 0.405 |
| 557.588 | 1464.391 | 0.999 | 14.766 |
| 10/17/2016 10:30:00 PM | 433800.000 | 19.072 | 16.246 |
| 43.472 | 683.069 | 820.211 | 0.405 |
| 557.744 | 1463.980 | 0.999 | 14.766 |
| 10/17/2016 10:45:00 PM | 434700.000 | 19.078 | 16.245 |
| 43.484 | 683.154 | 820.329 | 0.405 |
| 557.824 | 1463.799 | 0.999 | 14.767 |
| 10/17/2016 11:00:00 PM | 435600.000 | 19.067 | 16.245 |
| 43.461 | 682.838 | 819.954 | 0.405 |
| 557.569 | 1464.477 | 0.999 | 14.769 |
| 10/17/2016 11:15:00 PM | 436500.000 | 19.071 | 16.245 |
| 43.469 | 682.870 | 819.997 | 0.405 |
| 557.598 | 1464.407 | 0.999 | 14.773 |
| 10/17/2016 11:30:00 PM | 437400.000 | 19.068 | 16.244 |
| 43.461 | 682.766 | 819.876 | 0.405 |
| 557.516 | 1464.631 | 0.999 | 14.775 |
| 10/17/2016 11:45:00 PM | 438300.000 | 19.071 | 16.244 |
| 43.468 | 682.857 | 819.995 | 0.405 |
| 557.597 | 1464.434 | 0.999 | 14.776 |
| 10/18/2016 12:00:00 AM | 439200.000 | 19.079 | 16.243 |
| 43.487 | 682.947 | 820.116 | 0.405 |
| 557.679 | 1464.241 | 0.999 | 14.778 |
| 10/18/2016 12:15:00 AM | 440100.000 | 19.068 | 16.244 |
| 43.462 | 683.035 | 820.211 | 0.405 |

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|---|---|---|---|
| 557.743 | 1464.054 | 0.999 | 14.780 |
| 10/18/2016 12:30:00 AM | 441000.000 | 19.068 | 16.244 |
| 43.463 | 682.894 | 820.046 | 0.405 |
| 557.631 | 1464.355 | 0.999 | 14.782 |
| 10/18/2016 12:45:00 AM | 441900.000 | 19.073 | 16.244 |
| 43.474 | 682.786 | 819.915 | 0.405 |
| 557.542 | 1464.589 | 0.999 | 14.780 |
| 10/18/2016 1:00:00 AM | 442800.000 | 19.071 | 16.243 |
| 43.470 | 682.957 | 820.127 | 0.405 |
| 557.686 | 1464.222 | 0.999 | 14.784 |
| 10/18/2016 1:15:00 AM | 443700.000 | 19.073 | 16.243 |
| 43.474 | 682.611 | 819.720 | 0.405 |
| 557.410 | 1464.964 | 0.999 | 14.780 |
| 10/18/2016 1:30:00 AM | 444600.000 | 19.067 | 16.243 |
| 43.460 | 682.666 | 819.785 | 0.405 |
| 557.454 | 1464.845 | 0.999 | 14.786 |
| 10/18/2016 1:45:00 AM | 445500.000 | 19.069 | 16.243 |
| 43.464 | 682.610 | 819.713 | 0.405 |
| 557.405 | 1464.965 | 0.999 | 14.785 |
| 10/18/2016 2:00:00 AM | 446400.000 | 19.073 | 16.242 |
| 43.474 | 682.937 | 820.117 | 0.405 |
| 557.679 | 1464.264 | 0.999 | 14.784 |
| 10/18/2016 2:15:00 AM | 447300.000 | 19.073 | 16.242 |
| 43.473 | 682.775 | 819.924 | 0.405 |
| 557.548 | 1464.611 | 0.999 | 14.784 |
| 10/18/2016 2:30:00 AM | 448200.000 | 19.070 | 16.242 |
| 43.467 | 682.955 | 820.148 | 0.405 |
| 557.701 | 1464.225 | 0.999 | 14.787 |
| 10/18/2016 2:45:00 AM | 449100.000 | 19.069 | 16.241 |
| 43.465 | 682.726 | 819.889 | 0.405 |
| 557.524 | 1464.716 | 0.999 | 14.788 |
| 10/18/2016 3:00:00 AM | 450000.000 | 19.067 | 16.242 |
| 43.460 | 682.860 | 820.034 | 0.405 |
| 557.623 | 1464.429 | 0.999 | 14.787 |
| 10/18/2016 3:15:00 AM | 450900.000 | 19.071 | 16.241 |
| 43.469 | 682.763 | 819.928 | 0.405 |
| 557.551 | 1464.636 | 0.999 | 14.781 |
| 10/18/2016 3:30:00 AM | 451800.000 | 19.076 | 16.241 |
| 43.480 | 682.983 | 820.200 | 0.405 |
| 557.736 | 1464.166 | 0.999 | 14.784 |
| 10/18/2016 3:45:00 AM | 452700.000 | 19.066 | 16.241 |
| 43.457 | 683.016 | 820.234 | 0.405 |
| 557.759 | 1464.096 | 0.999 | 14.785 |
| 10/18/2016 4:00:00 AM | 453600.000 | 19.074 | 16.242 |
| 43.476 | 682.555 | 819.675 | 0.405 |
| 557.379 | 1465.083 | 0.999 | 14.781 |
| 10/18/2016 4:15:00 AM | 454500.000 | 19.071 | 16.241 |
| 43.468 | 682.852 | 820.043 | 0.405 |
| 557.629 | 1464.446 | 0.999 | 14.785 |
| 10/18/2016 4:30:00 AM | 455400.000 | 19.077 | 16.240 |
| 43.482 | 682.591 | 819.742 | 0.405 |
| 557.425 | 1465.007 | 0.999 | 14.785 |
| 10/18/2016 4:45:00 AM | 456300.000 | 19.065 | 16.241 |
| 43.456 | 682.556 | 819.689 | 0.405 |

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|---|---|---|---|
| 557.389 | 1465.081 | 0.999 | 14.786 |
| 10/18/2016 5:00:00 AM | 457200.000 | 19.074 | 16.240 |
| 43.476 | 682.818 | 820.018 | 0.405 |
| 557.612 | 1464.520 | 0.999 | 14.786 |
| 10/18/2016 5:15:00 AM | 458100.000 | 19.070 | 16.240 |
| 43.466 | 682.816 | 820.011 | 0.405 |
| 557.607 | 1464.524 | 0.999 | 14.790 |
| 10/18/2016 5:30:00 AM | 459000.000 | 19.077 | 16.241 |
| 43.483 | 682.423 | 819.531 | 0.405 |
| 557.281 | 1465.366 | 0.999 | 14.789 |
| 10/18/2016 5:45:00 AM | 459900.000 | 19.073 | 16.240 |
| 43.474 | 682.476 | 819.615 | 0.405 |
| 557.338 | 1465.253 | 0.999 | 14.790 |
| 10/18/2016 6:00:00 AM | 460800.000 | 19.069 | 16.240 |
| 43.465 | 682.519 | 819.660 | 0.405 |
| 557.369 | 1465.161 | 0.999 | 14.794 |
| 10/18/2016 6:15:00 AM | 461700.000 | 19.078 | 16.239 |
| 43.484 | 682.506 | 819.655 | 0.405 |
| 557.365 | 1465.189 | 0.999 | 14.795 |
| 10/18/2016 6:30:00 AM | 462600.000 | 19.071 | 16.239 |
| 43.469 | 682.388 | 819.514 | 0.405 |
| 557.270 | 1465.441 | 0.999 | 14.799 |
| 10/18/2016 6:45:00 AM | 463500.000 | 19.077 | 16.238 |
| 43.483 | 682.844 | 820.083 | 0.405 |
| 557.656 | 1464.463 | 0.999 | 14.800 |
| 10/18/2016 7:00:00 AM | 464400.000 | 19.075 | 16.239 |
| 43.478 | 682.664 | 819.863 | 0.405 |
| 557.507 | 1464.849 | 0.999 | 14.802 |
| 10/18/2016 7:15:00 AM | 465300.000 | 19.072 | 16.238 |
| 43.472 | 682.464 | 819.629 | 0.405 |
| 557.348 | 1465.279 | 0.999 | 14.804 |
| 10/18/2016 7:30:00 AM | 466200.000 | 19.083 | 16.239 |
| 43.495 | 682.389 | 819.531 | 0.405 |
| 557.281 | 1465.440 | 0.999 | 14.801 |
| 10/18/2016 7:45:00 AM | 467100.000 | 19.078 | 16.238 |
| 43.484 | 682.425 | 819.591 | 0.405 |
| 557.322 | 1465.362 | 0.999 | 14.806 |
| 10/18/2016 8:00:00 AM | 468000.000 | 19.078 | 16.238 |
| 43.485 | 682.734 | 819.959 | 0.405 |
| 557.572 | 1464.699 | 0.999 | 14.806 |
| 10/18/2016 8:15:00 AM | 468900.000 | 19.079 | 16.237 |
| 43.487 | 682.663 | 819.891 | 0.405 |
| 557.526 | 1464.851 | 0.999 | 14.815 |
| 10/18/2016 8:30:00 AM | 469800.000 | 19.077 | 16.236 |
| 43.481 | 682.378 | 819.563 | 0.405 |
| 557.303 | 1465.463 | 0.999 | 14.820 |
| 10/18/2016 8:45:00 AM | 470700.000 | 19.081 | 16.236 |
| 43.492 | 682.475 | 819.686 | 0.405 |
| 557.387 | 1465.254 | 0.999 | 14.808 |
| 10/18/2016 9:00:00 AM | 471600.000 | 19.079 | 16.236 |
| 43.487 | 682.477 | 819.690 | 0.405 |
| 557.389 | 1465.250 | 0.999 | 14.809 |
| 10/18/2016 9:15:00 AM | 472500.000 | 19.068 | 16.236 |
| 43.462 | 682.681 | 819.939 | 0.405 |

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|---|---|---|---|
| 557.558 | 1464.812 | 0.999 | 14.822 |
| 10/18/2016 9:30:00 AM | 473400.000 | 19.070 | 16.236 |
| 43.467 | 682.157 | 819.305 | 0.405 |
| 557.128 | 1465.939 | 0.999 | 14.820 |
| 10/18/2016 9:45:00 AM | 474300.000 | 19.080 | 16.235 |
| 43.488 | 682.215 | 819.384 | 0.405 |
| 557.181 | 1465.813 | 0.999 | 14.822 |
| 10/18/2016 10:00:00 AM | 475200.000 | 19.076 | 16.235 |
| 43.480 | 682.511 | 819.737 | 0.405 |
| 557.421 | 1465.178 | 0.999 | 14.819 |
| 10/18/2016 10:15:00 AM | 476100.000 | 19.071 | 16.235 |
| 43.470 | 682.379 | 819.579 | 0.405 |
| 557.313 | 1465.461 | 0.999 | 14.823 |
| 10/18/2016 10:30:00 AM | 477000.000 | 19.073 | 16.235 |
| 43.473 | 682.417 | 819.634 | 0.405 |
| 557.351 | 1465.380 | 0.999 | 14.821 |
| 10/18/2016 10:45:00 AM | 477900.000 | 19.079 | 16.235 |
| 43.488 | 682.173 | 819.344 | 0.405 |
| 557.154 | 1465.903 | 0.999 | 14.822 |
| 10/18/2016 11:00:00 AM | 478800.000 | 19.072 | 16.234 |
| 43.470 | 682.144 | 819.316 | 0.405 |
| 557.135 | 1465.966 | 0.999 | 14.826 |
| 10/18/2016 11:15:00 AM | 479700.000 | 19.080 | 16.234 |
| 43.488 | 682.152 | 819.326 | 0.405 |
| 557.141 | 1465.949 | 0.999 | 14.818 |
| 10/18/2016 11:30:00 AM | 480600.000 | 19.079 | 16.234 |
| 43.488 | 682.165 | 819.341 | 0.405 |
| 557.152 | 1465.921 | 0.999 | 14.817 |
| 10/18/2016 11:45:00 AM | 481500.000 | 19.077 | 16.234 |
| 43.483 | 682.385 | 819.611 | 0.405 |
| 557.336 | 1465.448 | 0.999 | 14.817 |
| 10/18/2016 12:00:00 PM | 482400.000 | 19.065 | 16.234 |
| 43.456 | 682.205 | 819.395 | 0.405 |
| 557.189 | 1465.834 | 0.999 | 14.818 |
| 10/18/2016 12:15:00 PM | 483300.000 | 19.078 | 16.234 |
| 43.485 | 682.334 | 819.548 | 0.405 |
| 557.292 | 1465.558 | 0.999 | 14.816 |
| 10/18/2016 12:30:00 PM | 484200.000 | 19.076 | 16.234 |
| 43.480 | 681.987 | 819.130 | 0.405 |
| 557.008 | 1466.303 | 0.999 | 14.821 |
| 10/18/2016 12:45:00 PM | 485100.000 | 19.077 | 16.235 |
| 43.483 | 682.261 | 819.453 | 0.405 |
| 557.228 | 1465.715 | 0.999 | 14.813 |
| 10/18/2016 1:00:00 PM | 486000.000 | 19.084 | 16.235 |
| 43.498 | 681.871 | 818.986 | 0.405 |
| 556.910 | 1466.552 | 0.999 | 14.802 |
| 10/18/2016 1:15:00 PM | 486900.000 | 19.076 | 16.235 |
| 43.481 | 682.057 | 819.209 | 0.405 |
| 557.062 | 1466.153 | 0.999 | 14.804 |
| 10/18/2016 1:30:00 PM | 487800.000 | 19.077 | 16.234 |
| 43.481 | 682.234 | 819.422 | 0.405 |
| 557.207 | 1465.774 | 0.999 | 14.804 |
| 10/18/2016 1:45:00 PM | 488700.000 | 19.078 | 16.234 |
| 43.485 | 682.024 | 819.178 | 0.405 |

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|---|---|---|---|
| 557.041 | 1466.225 | 0.999 | 14.799 |
| 10/18/2016 2:00:00 PM | 489600.000 | 19.077 | 16.234 |
| 43.482 | 681.884 | 819.002 | 0.405 |
| 556.922 | 1466.525 | 0.999 | 14.798 |
| 10/18/2016 2:15:00 PM | 490500.000 | 19.084 | 16.234 |
| 43.498 | 681.876 | 819.000 | 0.405 |
| 556.920 | 1466.542 | 0.999 | 14.789 |
| 10/18/2016 2:30:00 PM | 491400.000 | 19.071 | 16.234 |
| 43.469 | 681.839 | 818.954 | 0.405 |
| 556.889 | 1466.621 | 0.999 | 14.796 |
| 10/18/2016 2:45:00 PM | 492300.000 | 19.075 | 16.234 |
| 43.477 | 682.011 | 819.160 | 0.405 |
| 557.029 | 1466.251 | 0.999 | 14.786 |
| 10/18/2016 3:00:00 PM | 493200.000 | 19.085 | 16.235 |
| 43.500 | 681.702 | 818.783 | 0.405 |
| 556.772 | 1466.916 | 0.999 | 14.782 |
| 10/18/2016 3:15:00 PM | 494100.000 | 19.081 | 16.234 |
| 43.493 | 681.973 | 819.120 | 0.405 |
| 557.001 | 1466.333 | 0.999 | 14.781 |
| 10/18/2016 3:30:00 PM | 495000.000 | 19.083 | 16.234 |
| 43.495 | 681.857 | 818.985 | 0.405 |
| 556.909 | 1466.583 | 0.999 | 14.783 |
| 10/18/2016 3:45:00 PM | 495900.000 | 19.076 | 16.234 |
| 43.480 | 681.488 | 818.538 | 0.404 |
| 556.606 | 1467.378 | 0.999 | 14.780 |
| 10/18/2016 4:00:00 PM | 496800.000 | 19.078 | 16.233 |
| 43.485 | 681.918 | 819.063 | 0.405 |
| 556.963 | 1466.452 | 0.999 | 14.776 |
| 10/18/2016 4:15:00 PM | 497700.000 | 19.079 | 16.233 |
| 43.486 | 681.821 | 818.950 | 0.405 |
| 556.886 | 1466.660 | 0.999 | 14.775 |
| 10/18/2016 4:30:00 PM | 498600.000 | 19.080 | 16.233 |
| 43.489 | 681.771 | 818.897 | 0.405 |
| 556.850 | 1466.767 | 0.999 | 14.772 |
| 10/18/2016 4:45:00 PM | 499500.000 | 19.083 | 16.233 |
| 43.495 | 681.642 | 818.742 | 0.405 |
| 556.744 | 1467.046 | 0.999 | 14.775 |
| 10/18/2016 5:00:00 PM | 500400.000 | 19.083 | 16.232 |
| 43.497 | 681.650 | 818.761 | 0.405 |
| 556.757 | 1467.029 | 0.999 | 14.772 |
| 10/18/2016 5:15:00 PM | 501300.000 | 19.082 | 16.232 |
| 43.494 | 681.555 | 818.661 | 0.405 |
| 556.690 | 1467.234 | 0.999 | 14.775 |
| 10/18/2016 5:30:00 PM | 502200.000 | 19.083 | 16.232 |
| 43.497 | 681.452 | 818.528 | 0.404 |
| 556.599 | 1467.455 | 0.999 | 14.778 |
| 10/18/2016 5:45:00 PM | 503100.000 | 19.070 | 16.232 |
| 43.467 | 681.411 | 818.477 | 0.404 |
| 556.565 | 1467.543 | 0.999 | 14.784 |
| 10/18/2016 6:00:00 PM | 504000.000 | 19.080 | 16.232 |
| 43.490 | 681.477 | 818.563 | 0.405 |
| 556.623 | 1467.401 | 0.999 | 14.783 |
| 10/18/2016 6:15:00 PM | 504900.000 | 19.080 | 16.231 |
| 43.489 | 681.250 | 818.300 | 0.404 |

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|---|---|---|---|
| 556.444 | 1467.890 | 0.999 | 14.778 |
| 10/18/2016 6:30:00 PM | 505800.000 | 19.081 | 16.231 |
| 43.492 | 681.055 | 818.070 | 0.404 |
| 556.287 | 1468.310 | 0.999 | 14.777 |
| 10/18/2016 6:45:00 PM | 506700.000 | 19.074 | 16.230 |
| 43.475 | 681.083 | 818.118 | 0.404 |
| 556.320 | 1468.250 | 0.999 | 14.790 |
| 10/18/2016 7:00:00 PM | 507600.000 | 19.084 | 16.230 |
| 43.498 | 680.784 | 817.758 | 0.404 |
| 556.076 | 1468.896 | 0.999 | 14.782 |
| 10/18/2016 7:15:00 PM | 508500.000 | 19.088 | 16.230 |
| 43.508 | 680.702 | 817.670 | 0.404 |
| 556.016 | 1469.071 | 0.999 | 14.778 |
| 10/18/2016 7:30:00 PM | 509400.000 | 19.073 | 16.231 |
| 43.474 | 680.688 | 817.640 | 0.404 |
| 555.995 | 1469.102 | 0.999 | 14.793 |
| 10/18/2016 7:45:00 PM | 510300.000 | 19.079 | 16.231 |
| 43.488 | 680.822 | 817.801 | 0.404 |
| 556.105 | 1468.812 | 0.999 | 14.787 |
| 10/18/2016 8:00:00 PM | 511200.000 | 19.075 | 16.230 |
| 43.477 | 680.838 | 817.839 | 0.404 |
| 556.130 | 1468.778 | 0.999 | 14.796 |
| 10/18/2016 8:15:00 PM | 512100.000 | 19.078 | 16.229 |
| 43.485 | 680.561 | 817.514 | 0.404 |
| 555.909 | 1469.376 | 0.999 | 14.795 |
| 10/18/2016 8:30:00 PM | 513000.000 | 19.077 | 16.229 |
| 43.483 | 680.504 | 817.442 | 0.404 |
| 555.860 | 1469.500 | 0.999 | 14.799 |
| 10/18/2016 8:45:00 PM | 513900.000 | 19.080 | 16.230 |
| 43.489 | 680.296 | 817.186 | 0.404 |
| 555.687 | 1469.948 | 0.999 | 14.797 |
| 10/18/2016 9:00:00 PM | 514800.000 | 19.085 | 16.229 |
| 43.501 | 680.380 | 817.295 | 0.404 |
| 555.760 | 1469.767 | 0.999 | 14.795 |
| 10/18/2016 9:15:00 PM | 515700.000 | 19.079 | 16.229 |
| 43.488 | 680.359 | 817.272 | 0.404 |
| 555.745 | 1469.811 | 0.999 | 14.801 |
| 10/18/2016 9:30:00 PM | 516600.000 | 19.086 | 16.229 |
| 43.503 | 680.359 | 817.270 | 0.404 |
| 555.744 | 1469.811 | 0.999 | 14.799 |
| 10/18/2016 9:45:00 PM | 517500.000 | 19.078 | 16.229 |
| 43.484 | 679.970 | 816.813 | 0.404 |
| 555.433 | 1470.654 | 0.999 | 14.807 |
| 10/18/2016 10:00:00 PM | 518400.000 | 19.078 | 16.229 |
| 43.485 | 679.926 | 816.761 | 0.404 |
| 555.398 | 1470.748 | 0.999 | 14.808 |
| 10/18/2016 10:15:00 PM | 519300.000 | 19.084 | 16.228 |
| 43.499 | 680.157 | 817.049 | 0.404 |
| 555.593 | 1470.248 | 0.999 | 14.806 |
| 10/18/2016 10:30:00 PM | 520200.000 | 19.082 | 16.228 |
| 43.493 | 679.829 | 816.647 | 0.404 |
| 555.320 | 1470.959 | 0.999 | 14.807 |
| 10/18/2016 10:45:00 PM | 521100.000 | 19.085 | 16.229 |
| 43.502 | 679.807 | 816.620 | 0.404 |

| | | | |
|---|---|---|---|
| 555.302 | 1471.005 | 0.999 | 14.805 |
| 10/18/2016 11:00:00 PM | 522000.000 | 19.082 | 16.229 |
| 43.495 | 679.810 | 816.622 | 0.404 |
| 555.303 | 1470.999 | 0.999 | 14.805 |
| 10/18/2016 11:15:00 PM | 522900.000 | 19.080 | 16.228 |
| 43.489 | 679.738 | 816.540 | 0.403 |
| 555.247 | 1471.155 | 0.999 | 14.807 |
| 10/18/2016 11:30:00 PM | 523800.000 | 19.081 | 16.228 |
| 43.492 | 679.756 | 816.569 | 0.403 |
| 555.267 | 1471.115 | 0.999 | 14.807 |
| 10/18/2016 11:45:00 PM | 524700.000 | 19.085 | 16.228 |
| 43.500 | 679.609 | 816.400 | 0.403 |
| 555.152 | 1471.433 | 0.999 | 14.807 |
| 10/19/2016 12:00:00 AM | 525600.000 | 19.083 | 16.228 |
| 43.497 | 679.399 | 816.143 | 0.403 |
| 554.977 | 1471.889 | 0.999 | 14.806 |
| 10/19/2016 12:15:00 AM | 526500.000 | 19.087 | 16.228 |
| 43.506 | 679.349 | 816.082 | 0.403 |
| 554.936 | 1471.997 | 0.999 | 14.802 |
| 10/19/2016 12:30:00 AM | 527400.000 | 19.077 | 16.228 |
| 43.481 | 679.571 | 816.351 | 0.403 |
| 555.119 | 1471.517 | 0.999 | 14.808 |
| 10/19/2016 12:45:00 AM | 528300.000 | 19.078 | 16.228 |
| 43.486 | 679.280 | 816.002 | 0.403 |
| 554.881 | 1472.146 | 0.999 | 14.799 |
| 10/19/2016 1:00:00 AM | 529200.000 | 19.084 | 16.229 |
| 43.497 | 679.448 | 816.184 | 0.403 |
| 555.005 | 1471.783 | 0.999 | 14.808 |
| 10/19/2016 1:15:00 AM | 530100.000 | 19.077 | 16.229 |
| 43.483 | 679.200 | 815.888 | 0.403 |
| 554.804 | 1472.321 | 0.999 | 14.809 |
| 10/19/2016 1:30:00 AM | 531000.000 | 19.085 | 16.228 |
| 43.500 | 679.281 | 815.993 | 0.403 |
| 554.875 | 1472.145 | 0.999 | 14.805 |
| 10/19/2016 1:45:00 AM | 531900.000 | 19.080 | 16.228 |
| 43.488 | 679.064 | 815.733 | 0.403 |
| 554.699 | 1472.616 | 0.999 | 14.809 |
| 10/19/2016 2:00:00 AM | 532800.000 | 19.082 | 16.229 |
| 43.494 | 679.033 | 815.690 | 0.403 |
| 554.669 | 1472.683 | 0.999 | 14.808 |
| 10/19/2016 2:15:00 AM | 533700.000 | 19.084 | 16.229 |
| 43.497 | 678.977 | 815.618 | 0.403 |
| 554.620 | 1472.804 | 0.999 | 14.808 |
| 10/19/2016 2:30:00 AM | 534600.000 | 19.083 | 16.228 |
| 43.496 | 678.998 | 815.649 | 0.403 |
| 554.641 | 1472.759 | 0.999 | 14.812 |
| 10/19/2016 2:45:00 AM | 535500.000 | 19.073 | 16.228 |
| 43.474 | 679.219 | 815.918 | 0.403 |
| 554.824 | 1472.279 | 0.999 | 14.816 |
| 10/19/2016 3:00:00 AM | 536400.000 | 19.081 | 16.228 |
| 43.491 | 679.092 | 815.766 | 0.403 |
| 554.721 | 1472.555 | 0.999 | 14.813 |
| 10/19/2016 3:15:00 AM | 537300.000 | 19.082 | 16.227 |
| 43.493 | 679.010 | 815.682 | 0.403 |

554.664 1472.733 0.999 14.810
10/19/2016 3:30:00 AM 538200.000 19.085 16.228
43.501 679.039 815.714 0.403
554.685 1472.669 0.999 14.806
10/19/2016 3:45:00 AM 539100.000 19.080 16.228
43.489 678.657 815.254 0.403
554.373 1473.499 0.999 14.811
10/19/2016 4:00:00 AM 540000.000 19.086 16.227
43.503 678.531 815.107 0.403
554.272 1473.772 0.999 14.809
10/19/2016 4:15:00 AM 540900.000 19.087 16.227
43.506 678.661 815.264 0.403
554.379 1473.490 0.999 14.803
10/19/2016 4:30:00 AM 541800.000 19.089 16.228
43.510 678.777 815.395 0.403
554.469 1473.238 0.999 14.799
10/19/2016 4:45:00 AM 542700.000 19.081 16.227
43.491 678.586 815.173 0.403
554.318 1473.652 0.999 14.807
10/19/2016 5:00:00 AM 543600.000 19.093 16.228
43.520 678.386 814.927 0.403
554.151 1474.087 0.999 14.800
10/19/2016 5:15:00 AM 544500.000 19.090 16.228
43.512 678.415 814.962 0.403
554.174 1474.024 0.999 14.802
10/19/2016 5:30:00 AM 545400.000 19.086 16.227
43.503 678.666 815.274 0.403
554.386 1473.478 0.999 14.804
10/19/2016 5:45:00 AM 546300.000 19.082 16.227
43.493 678.593 815.186 0.403
554.326 1473.638 0.999 14.807
10/19/2016 6:00:00 AM 547200.000 19.082 16.227
43.493 678.443 815.006 0.403
554.204 1473.963 0.999 14.810
10/19/2016 6:15:00 AM 548100.000 19.079 16.226
43.487 678.291 814.837 0.403
554.089 1474.294 0.999 14.811
10/19/2016 6:30:00 AM 549000.000 19.083 16.227
43.495 678.153 814.655 0.403
553.966 1474.594 0.999 14.809
10/19/2016 6:45:00 AM 549900.000 19.089 16.227
43.509 678.401 814.966 0.403
554.177 1474.056 0.999 14.804
10/19/2016 7:00:00 AM 550800.000 19.094 16.226
43.521 678.151 814.676 0.403
553.980 1474.598 0.999 14.802
10/19/2016 7:15:00 AM 551700.000 19.084 16.226
43.499 678.276 814.829 0.403
554.084 1474.327 0.999 14.813
10/19/2016 7:30:00 AM 552600.000 19.088 16.226
43.508 678.219 814.765 0.403
554.040 1474.449 0.999 14.810
10/19/2016 7:45:00 AM 553500.000 19.089 16.226
43.510 678.236 814.785 0.403

| | | | |
|---|---|---|---|
| 554.054 | 1474.414 | 0.999 | 14.809 |
| 10/19/2016 8:00:00 AM | 554400.000 | 19.090 | 16.226 |
| 43.512 | 677.889 | 814.357 | 0.402 |
| 553.763 | 1475.168 | 0.999 | 14.812 |
| 10/19/2016 8:15:00 AM | 555300.000 | 19.080 | 16.226 |
| 43.489 | 677.887 | 814.366 | 0.402 |
| 553.769 | 1475.172 | 0.999 | 14.815 |
| 10/19/2016 8:30:00 AM | 556200.000 | 19.082 | 16.226 |
| 43.494 | 677.727 | 814.167 | 0.402 |
| 553.634 | 1475.520 | 0.999 | 14.816 |
| 10/19/2016 8:45:00 AM | 557100.000 | 19.086 | 16.226 |
| 43.502 | 678.155 | 814.682 | 0.403 |
| 553.984 | 1474.588 | 0.999 | 14.816 |
| 10/19/2016 9:00:00 AM | 558000.000 | 19.073 | 16.226 |
| 43.473 | 678.121 | 814.637 | 0.402 |
| 553.953 | 1474.664 | 0.999 | 14.824 |
| 10/19/2016 9:15:00 AM | 558900.000 | 19.081 | 16.226 |
| 43.490 | 677.978 | 814.472 | 0.402 |
| 553.841 | 1474.974 | 0.999 | 14.821 |
| 10/19/2016 9:30:00 AM | 559800.000 | 19.083 | 16.226 |
| 43.496 | 678.053 | 814.559 | 0.402 |
| 553.900 | 1474.810 | 0.999 | 14.820 |
| 10/19/2016 9:45:00 AM | 560700.000 | 19.080 | 16.226 |
| 43.488 | 678.017 | 814.520 | 0.402 |
| 553.873 | 1474.890 | 0.999 | 14.825 |
| 10/19/2016 10:00:00 AM | 561600.000 | 19.085 | 16.226 |
| 43.502 | 677.586 | 814.004 | 0.402 |
| 553.523 | 1475.827 | 0.999 | 14.821 |
| 10/19/2016 10:15:00 AM | 562500.000 | 19.090 | 16.225 |
| 43.511 | 677.639 | 814.074 | 0.402 |
| 553.570 | 1475.713 | 0.999 | 14.815 |
| 10/19/2016 10:30:00 AM | 563400.000 | 19.084 | 16.225 |
| 43.497 | 677.492 | 813.901 | 0.402 |
| 553.453 | 1476.033 | 0.999 | 14.820 |
| 10/19/2016 10:45:00 AM | 564300.000 | 19.085 | 16.225 |
| 43.500 | 677.809 | 814.280 | 0.402 |
| 553.711 | 1475.342 | 0.999 | 14.816 |
| 10/19/2016 11:00:00 AM | 565200.000 | 19.088 | 16.226 |
| 43.507 | 677.556 | 813.971 | 0.402 |
| 553.500 | 1475.893 | 0.999 | 14.816 |
| 10/19/2016 11:15:00 AM | 566100.000 | 19.082 | 16.225 |
| 43.494 | 677.370 | 813.755 | 0.402 |
| 553.353 | 1476.298 | 0.999 | 14.815 |
| 10/19/2016 11:30:00 AM | 567000.000 | 19.087 | 16.224 |
| 43.504 | 677.601 | 814.047 | 0.402 |
| 553.552 | 1475.794 | 0.999 | 14.813 |
| 10/19/2016 11:45:00 AM | 567900.000 | 19.083 | 16.224 |
| 43.496 | 677.479 | 813.898 | 0.402 |
| 553.451 | 1476.061 | 0.999 | 14.812 |
| 10/19/2016 12:00:00 PM | 568800.000 | 19.087 | 16.224 |
| 43.504 | 677.469 | 813.892 | 0.402 |
| 553.446 | 1476.082 | 0.999 | 14.806 |
| 10/19/2016 12:15:00 PM | 569700.000 | 19.091 | 16.224 |
| 43.513 | 677.316 | 813.704 | 0.402 |

| | | | |
|---|---|---|---|
| 553.319 | 1476.416 | 0.999 | 14.800 |
| 10/19/2016 12:30:00 PM | 570600.000 | 19.090 | 16.224 |
| 43.513 | 677.183 | 813.545 | 0.402 |
| 553.210 | 1476.706 | 0.999 | 14.800 |
| 10/19/2016 12:45:00 PM | 571500.000 | 19.089 | 16.224 |
| 43.509 | 677.454 | 813.885 | 0.402 |
| 553.442 | 1476.114 | 0.999 | 14.801 |
| 10/19/2016 1:00:00 PM | 572400.000 | 19.094 | 16.224 |
| 43.521 | 677.312 | 813.702 | 0.402 |
| 553.318 | 1476.425 | 0.999 | 14.794 |
| 10/19/2016 1:15:00 PM | 573300.000 | 19.087 | 16.224 |
| 43.506 | 677.044 | 813.381 | 0.402 |
| 553.099 | 1477.009 | 0.999 | 14.796 |
| 10/19/2016 1:30:00 PM | 574200.000 | 19.091 | 16.224 |
| 43.514 | 677.124 | 813.486 | 0.402 |
| 553.170 | 1476.833 | 0.999 | 14.792 |
| 10/19/2016 1:45:00 PM | 575100.000 | 19.085 | 16.225 |
| 43.500 | 677.033 | 813.356 | 0.402 |
| 553.082 | 1477.033 | 0.999 | 14.796 |
| 10/19/2016 2:00:00 PM | 576000.000 | 19.089 | 16.224 |
| 43.509 | 677.323 | 813.719 | 0.402 |
| 553.329 | 1476.400 | 0.999 | 14.793 |
| 10/19/2016 2:15:00 PM | 576900.000 | 19.085 | 16.224 |
| 43.502 | 676.992 | 813.328 | 0.402 |
| 553.063 | 1477.123 | 0.999 | 14.794 |
| 10/19/2016 2:30:00 PM | 577800.000 | 19.092 | 16.224 |
| 43.517 | 677.069 | 813.418 | 0.402 |
| 553.124 | 1476.954 | 0.999 | 14.786 |
| 10/19/2016 2:45:00 PM | 578700.000 | 19.095 | 16.224 |
| 43.524 | 676.990 | 813.317 | 0.402 |
| 553.056 | 1477.128 | 0.999 | 14.782 |
| 10/19/2016 3:00:00 PM | 579600.000 | 19.091 | 16.224 |
| 43.515 | 676.772 | 813.067 | 0.402 |
| 552.885 | 1477.604 | 0.999 | 14.786 |
| 10/19/2016 3:15:00 PM | 580500.000 | 19.082 | 16.224 |
| 43.495 | 677.060 | 813.404 | 0.402 |
| 553.115 | 1476.974 | 0.999 | 14.787 |
| 10/19/2016 3:30:00 PM | 581400.000 | 19.084 | 16.224 |
| 43.499 | 677.001 | 813.343 | 0.402 |
| 553.073 | 1477.102 | 0.999 | 14.783 |
| 10/19/2016 3:45:00 PM | 582300.000 | 19.088 | 16.224 |
| 43.509 | 676.976 | 813.312 | 0.402 |
| 553.052 | 1477.158 | 0.999 | 14.781 |
| 10/19/2016 4:00:00 PM | 583200.000 | 19.086 | 16.223 |
| 43.502 | 676.620 | 812.890 | 0.402 |
| 552.765 | 1477.934 | 0.999 | 14.778 |
| 10/19/2016 4:15:00 PM | 584100.000 | 19.082 | 16.223 |
| 43.493 | 676.897 | 813.224 | 0.402 |
| 552.992 | 1477.330 | 0.999 | 14.782 |
| 10/19/2016 4:30:00 PM | 585000.000 | 19.084 | 16.224 |
| 43.498 | 676.455 | 812.687 | 0.401 |
| 552.627 | 1478.295 | 0.999 | 14.783 |
| 10/19/2016 4:45:00 PM | 585900.000 | 19.089 | 16.223 |
| 43.510 | 676.708 | 812.997 | 0.402 |

| | | | |
|---|---|---|---|
| 552.838 | 1477.741 | 0.999 | 14.782 |
| 10/19/2016 5:00:00 PM | 586800.000 | 19.088 | 16.223 |
| 43.508 | 676.752 | 813.055 | 0.402 |
| 552.877 | 1477.646 | 0.999 | 14.780 |
| 10/19/2016 5:15:00 PM | 587700.000 | 19.085 | 16.223 |
| 43.501 | 676.381 | 812.611 | 0.401 |
| 552.576 | 1478.456 | 0.999 | 14.778 |
| 10/19/2016 5:30:00 PM | 588600.000 | 19.092 | 16.222 |
| 43.517 | 676.334 | 812.566 | 0.401 |
| 552.545 | 1478.558 | 0.999 | 14.777 |
| 10/19/2016 5:45:00 PM | 589500.000 | 19.087 | 16.222 |
| 43.506 | 676.301 | 812.523 | 0.401 |
| 552.516 | 1478.631 | 0.999 | 14.778 |
| 10/19/2016 6:00:00 PM | 590400.000 | 19.086 | 16.222 |
| 43.503 | 676.373 | 812.617 | 0.401 |
| 552.580 | 1478.475 | 0.999 | 14.779 |
| 10/19/2016 6:15:00 PM | 591300.000 | 19.088 | 16.223 |
| 43.509 | 676.225 | 812.422 | 0.401 |
| 552.447 | 1478.797 | 0.999 | 14.778 |
| 10/19/2016 6:30:00 PM | 592200.000 | 19.090 | 16.223 |
| 43.512 | 676.493 | 812.744 | 0.402 |
| 552.666 | 1478.211 | 0.999 | 14.774 |
| 10/19/2016 6:45:00 PM | 593100.000 | 19.084 | 16.222 |
| 43.499 | 676.451 | 812.701 | 0.401 |
| 552.636 | 1478.305 | 0.999 | 14.779 |
| 10/19/2016 7:00:00 PM | 594000.000 | 19.095 | 16.223 |
| 43.522 | 676.115 | 812.292 | 0.401 |
| 552.359 | 1479.039 | 0.999 | 14.776 |
| 10/19/2016 7:15:00 PM | 594900.000 | 19.094 | 16.222 |
| 43.521 | 676.434 | 812.694 | 0.401 |
| 552.632 | 1478.341 | 0.999 | 14.775 |
| 10/19/2016 7:30:00 PM | 595800.000 | 19.092 | 16.221 |
| 43.516 | 675.975 | 812.158 | 0.401 |
| 552.267 | 1479.344 | 0.999 | 14.782 |
| 10/19/2016 7:45:00 PM | 596700.000 | 19.087 | 16.221 |
| 43.506 | 676.031 | 812.217 | 0.401 |
| 552.308 | 1479.223 | 0.999 | 14.782 |
| 10/19/2016 8:00:00 PM | 597600.000 | 19.091 | 16.221 |
| 43.514 | 676.156 | 812.367 | 0.401 |
| 552.409 | 1478.949 | 0.999 | 14.783 |
| 10/19/2016 8:15:00 PM | 598500.000 | 19.088 | 16.221 |
| 43.507 | 675.937 | 812.112 | 0.401 |
| 552.236 | 1479.427 | 0.999 | 14.787 |
| 10/19/2016 8:30:00 PM | 599400.000 | 19.090 | 16.221 |
| 43.513 | 675.926 | 812.089 | 0.401 |
| 552.220 | 1479.452 | 0.999 | 14.785 |
| 10/19/2016 8:45:00 PM | 600300.000 | 19.094 | 16.222 |
| 43.521 | 675.726 | 811.839 | 0.401 |
| 552.051 | 1479.891 | 0.999 | 14.781 |
| 10/19/2016 9:00:00 PM | 601200.000 | 19.090 | 16.222 |
| 43.512 | 675.650 | 811.750 | 0.401 |
| 551.990 | 1480.056 | 0.999 | 14.786 |
| 10/19/2016 9:15:00 PM | 602100.000 | 19.089 | 16.221 |
| 43.510 | 675.560 | 811.658 | 0.401 |

| | | | |
|---|---|---|---|
| 551.927 | 1480.252 | 0.999 | 14.787 |
| 10/19/2016 9:30:00 PM | 603000.000 | 19.086 | 16.220 |
| 43.503 | 675.357 | 811.427 | 0.401 |
| 551.771 | 1480.699 | 0.999 | 14.792 |
| 10/19/2016 9:45:00 PM | 603900.000 | 19.085 | 16.221 |
| 43.501 | 675.681 | 811.807 | 0.401 |
| 552.029 | 1479.988 | 0.999 | 14.792 |
| 10/19/2016 10:00:00 PM | 604800.000 | 19.092 | 16.221 |
| 43.517 | 675.475 | 811.560 | 0.401 |
| 551.861 | 1480.439 | 0.999 | 14.790 |
| 10/19/2016 10:15:00 PM | 605700.000 | 19.087 | 16.220 |
| 43.504 | 675.243 | 811.290 | 0.401 |
| 551.677 | 1480.948 | 0.999 | 14.794 |
| 10/19/2016 10:30:00 PM | 606600.000 | 19.090 | 16.220 |
| 43.511 | 675.439 | 811.528 | 0.401 |
| 551.839 | 1480.518 | 0.999 | 14.790 |
| 10/19/2016 10:45:00 PM | 607500.000 | 19.095 | 16.221 |
| 43.523 | 675.253 | 811.291 | 0.401 |
| 551.678 | 1480.927 | 0.999 | 14.786 |
| 10/19/2016 11:00:00 PM | 608400.000 | 19.093 | 16.221 |
| 43.520 | 674.947 | 810.930 | 0.401 |
| 551.433 | 1481.597 | 0.999 | 14.794 |
| 10/19/2016 11:15:00 PM | 609300.000 | 19.092 | 16.221 |
| 43.516 | 674.813 | 810.766 | 0.401 |
| 551.321 | 1481.891 | 0.999 | 14.793 |
| 10/19/2016 11:30:00 PM | 610200.000 | 19.092 | 16.220 |
| 43.516 | 674.821 | 810.784 | 0.401 |
| 551.333 | 1481.874 | 0.999 | 14.792 |
| 10/19/2016 11:45:00 PM | 611100.000 | 19.095 | 16.220 |
| 43.524 | 675.076 | 811.097 | 0.401 |
| 551.546 | 1481.314 | 0.999 | 14.790 |

Report Date: 10/21/2016 8:26:18 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-9D LT Test_2016-10-20_16-29-55-061-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-9D
Device Name:
Serial Number: 437458
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 0

Log Configuration
Log Name: MPWSP MW-9D LT Test
Created By: KMakar
Computer Name: PROBOOK10
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 1/14/2016 6:00:31 PM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 1/15/2016 7:00:00 AM Pacific Standard Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 0.999

Other Log Settings
Depth of Probe: 36.7545 (ft)
Head Pressure: 15.9182 (PSI)
Temperature: 18.5646 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

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Log Notes:

| Date and Time | Note |
|---|---|
| 1/14/2016 6:00:40 PM | Used Battery: 0% Used Memory: 3% User Name: KMakar |
| 1/15/2016 9:46:56 AM | Log Download - Used Battery: 0% Used Memory: 3% User Name: KMakar |
| 1/21/2016 8:40:05 AM | Log Download - Used Battery: 0% Used Memory: 3% User Name: KMakar |
| 1/28/2016 8:53:47 AM | Log Download - Used Battery: 1% Used Memory: 3% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 1:05:00 PM |
| 2/4/2016 9:56:59 AM | Log Download - Used Battery: 1% Used Memory: 4% User Name: CShaw Interval - Start Time: 1/15/2016 7:00:00 AM Stop Time: 2/4/2016 10:45:00 AM |
| 2/11/2016 9:46:54 AM | Log Download - Used Battery: 1% Used Memory: 6% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 10:45:00 AM |
| 2/18/2016 11:36:38 AM | Log Download - Used Battery: 2% Used Memory: 6% User Name: CShaw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 12:00:00 PM |
| 2/25/2016 11:25:56 AM | Log Download - Used Battery: 2% Used Memory: 7% User Name: KMakar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 11:30:00 AM |
| 3/3/2016 12:32:15 PM | Log Download - Used Battery: 2% Used Memory: 7% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 1:30:00 PM |
| 3/10/2016 2:24:10 PM | Log Download - Used Battery: 3% Used Memory: 9% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 2:15:00 PM |
| 3/17/2016 11:02:30 AM | Log Download - Used Battery: 3% Used Memory: 9% User Name: SKuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 11:44:45 AM |
| 3/24/2016 8:37:37 AM | Log Download - Used Battery: 4% Used Memory: 10% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 8:45:00 AM |
| 3/31/2016 2:46:59 PM | Log Download - Used Battery: 4% Used Memory: 10% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 2:45:00 PM |
| 4/7/2016 9:08:18 AM | Log Download - Used Battery: 4% Used Memory: 12% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 9:15:00 AM |
| 4/14/2016 3:45:31 PM | Log Download - Used Battery: 5% Used Memory: 12% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 3:45:00 PM |
| 4/21/2016 1:49:21 PM | Log Download - Used Battery: 5% Used Memory: 14% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 2:45:00 PM |
| 4/28/2016 9:22:30 AM | Log Download - Used Battery: 5% Used Memory: 14% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 9:30:00 AM |
| 5/5/2016 9:13:28 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 10:00:00 AM |
| 5/12/2016 9:50:50 AM | Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 9:45:00 AM |
| 5/19/2016 1:23:46 PM | Log Download - Used Battery: 6% Used Memory: 17% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 3:15:00 PM |
| 5/26/2016 8:49:47 AM | Log Download - Used Battery: 7% Used Memory: 17% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 AM Stop Time: 5/26/2016 9:45:00 AM |
| 6/2/2016 11:13:45 AM | Log Download - Used Battery: 7% Used Memory: 18% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 12:00:00 PM |
| 6/9/2016 9:20:24 AM | Log Download - Used Battery: 8% Used Memory: 18% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 10:15:00 AM |
| 6/16/2016 10:53:22 AM | Log Download - Used Battery: 8% Used Memory: 20% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 11:45:00 AM |
| 6/23/2016 9:47:24 AM | Log Download - Used Battery: 8% Used Memory: 20% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 9:45:00 AM |

7/1/2016 11:19:31 AM Log Download - Used Battery: 9% Used Memory: 21% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 11:45:00 AM
7/8/2016 11:34:38 AM Log Download - Used Battery: 9% Used Memory: 23% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 11:30:00 AM
7/14/2016 5:29:33 PM Log Download - Used Battery: 9% Used Memory: 23% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 6:15:00 PM
7/21/2016 10:12:11 AM Log Download - Used Battery: 10% Used Memory: 25% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 10:00:00 AM
7/28/2016 5:56:19 PM Log Download - Used Battery: 10% Used Memory: 25% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 6:45:00 PM
8/4/2016 2:32:07 PM Log Download - Used Battery: 10% Used Memory: 26% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 3:00:00 PM
8/11/2016 10:18:10 AM Log Download - Used Battery: 11% Used Memory: 26% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 11:15:00 AM
8/18/2016 3:13:55 PM Log Download - Used Battery: 11% Used Memory: 28% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 4:00:00 PM
8/25/2016 12:04:26 PM Log Download - Used Battery: 12% Used Memory: 28% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 1:00:00 PM
9/1/2016 3:44:13 PM Log Download - Used Battery: 12% Used Memory: 29% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 4:15:00 PM
9/8/2016 6:04:39 PM Log Download - Used Battery: 12% Used Memory: 29% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 6:45:00 PM
9/15/2016 2:29:01 PM Log Download - Used Battery: 13% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 3:00:00 PM
9/22/2016 12:18:03 PM Log Download - Used Battery: 13% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 1:15:00 PM
10/1/2016 11:00:05 AM Log Download - Used Battery: 13% Used Memory: 32% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 11:45:00 AM
10/7/2016 4:44:07 PM Log Download - Used Battery: 14% Used Memory: 32% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 5:30:00 PM
10/13/2016 4:03:20 PM Log Download - Used Battery: 14% Used Memory: 34% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 4:00:00 PM
10/20/2016 4:28:07 PM Log Download - Used Battery: 14% Used Memory: 34% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 5:00:00 PM
10/21/2016 8:23:58 AM User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl""

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Log Data:
Record Count: 746
Sensors: 2
1 - 437458: PCTD 300 PSIA (200.7m/658.7ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

| | | | | |
|---|---|---|---|---|
| | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: | |
| PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: | |
| PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: | |
| PCTD(A) 658.7ft | Sensor: Baro-Adj Calc | | | |
| | SN#: 437458 | SN#: 437458 | SN#: 437458 | |
| SN#: 437458 | SN#: 437458 | SN#: 437458 | SN#: 437458 | |
| SN#: 437458 | SN#: 437458 | SN#: 000000 | | |
| Elapsed Time | Corrected | | Corrected | |

| Date and Time | Seconds | Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppm) | Resistivity (ohm-cm) | Water Density (g/cm3) | Barometric Pressure (PSI) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/13/2016 12:00:00 AM | 7200.000 | 150.036 | 21.099 | 346.428 | 679.162 | 733.845 | 0.362 | 499.015 | 1472.402 | 0.998 | 14.771 |
| 10/13/2016 12:15:00 AM | 8100.000 | 150.040 | 21.101 | 346.437 | 679.820 | 734.514 | 0.362 | 499.470 | 1470.978 | 0.998 | 14.771 |
| 10/13/2016 12:30:00 AM | 9000.000 | 150.026 | 21.112 | 346.406 | 680.346 | 734.926 | 0.363 | 499.750 | 1469.840 | 0.998 | 14.773 |
| 10/13/2016 12:45:00 AM | 9900.000 | 150.040 | 21.111 | 346.437 | 680.034 | 734.601 | 0.362 | 499.528 | 1470.514 | 0.998 | 14.775 |
| 10/13/2016 1:00:00 AM | 10800.000 | 150.039 | 21.109 | 346.436 | 679.918 | 734.502 | 0.362 | 499.461 | 1470.765 | 0.998 | 14.777 |
| 10/13/2016 1:15:00 AM | 11700.000 | 150.029 | 21.104 | 346.413 | 679.354 | 733.973 | 0.362 | 499.102 | 1471.986 | 0.998 | 14.782 |
| 10/13/2016 1:30:00 AM | 12600.000 | 150.038 | 21.104 | 346.434 | 679.887 | 734.544 | 0.362 | 499.490 | 1470.832 | 0.998 | 14.772 |
| 10/13/2016 1:45:00 AM | 13500.000 | 150.041 | 21.111 | 346.441 | 679.656 | 734.185 | 0.362 | 499.246 | 1471.333 | 0.998 | 14.770 |
| 10/13/2016 2:00:00 AM | 14400.000 | 150.033 | 21.108 | 346.421 | 679.021 | 733.551 | 0.362 | 498.815 | 1472.708 | 0.998 | 14.774 |
| 10/13/2016 2:15:00 AM | 15300.000 | 150.033 | 21.104 | 346.421 | 678.368 | 732.902 | 0.362 | 498.373 | 1474.127 | 0.998 | 14.774 |
| 10/13/2016 2:30:00 AM | 16200.000 | 150.043 | 21.100 | 346.444 | 677.533 | 732.058 | 0.361 | 497.799 | 1475.943 | 0.998 | 14.772 |
| 10/13/2016 2:45:00 AM | 17100.000 | 150.034 | 21.109 | 346.423 | 677.601 | 732.006 | 0.361 | 497.764 | 1475.794 | 0.998 | 14.773 |
| 10/13/2016 3:00:00 AM | 18000.000 | 150.029 | 21.102 | 346.413 | 677.370 | 731.862 | 0.361 | 497.666 | 1476.298 | 0.998 | 14.778 |
| 10/13/2016 3:15:00 AM | 18900.000 | 150.040 | 21.108 | 346.437 | 677.690 | 732.110 | 0.361 | 497.835 | 1475.601 | 0.998 | 14.769 |
| 10/13/2016 3:30:00 AM | 19800.000 | 150.035 | 21.109 | 346.427 | 676.843 | 731.188 | 0.361 | 497.208 | 1477.448 | 0.998 | 14.764 |
| 10/13/2016 3:45:00 AM | 20700.000 | 150.039 | 21.106 | | | | | | | | |

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|---|---|---|---|
| 346.436 | 676.456 | 730.803 | 0.361 |
| 496.946 | 1478.293 | 0.998 | 14.763 |
| 10/13/2016 4:00:00 AM | 21600.000 | 150.039 | 21.102 |
| 346.434 | 676.105 | 730.486 | 0.360 |
| 496.731 | 1479.060 | 0.998 | 14.761 |
| 10/13/2016 4:15:00 AM | 22500.000 | 150.054 | 21.103 |
| 346.469 | 677.457 | 731.934 | 0.361 |
| 497.715 | 1476.108 | 0.998 | 14.763 |
| 10/13/2016 4:30:00 AM | 23400.000 | 150.045 | 21.109 |
| 346.449 | 678.544 | 733.026 | 0.362 |
| 498.458 | 1473.745 | 0.998 | 14.759 |
| 10/13/2016 4:45:00 AM | 24300.000 | 150.045 | 21.103 |
| 346.449 | 678.128 | 732.659 | 0.361 |
| 498.208 | 1474.648 | 0.998 | 14.757 |
| 10/13/2016 5:00:00 AM | 25200.000 | 150.049 | 21.107 |
| 346.460 | 678.751 | 733.272 | 0.362 |
| 498.625 | 1473.295 | 0.998 | 14.757 |
| 10/13/2016 5:15:00 AM | 26100.000 | 150.041 | 21.103 |
| 346.441 | 679.338 | 733.962 | 0.362 |
| 499.094 | 1472.021 | 0.998 | 14.761 |
| 10/13/2016 5:30:00 AM | 27000.000 | 150.045 | 21.098 |
| 346.449 | 679.402 | 734.120 | 0.362 |
| 499.201 | 1471.883 | 0.998 | 14.759 |
| 10/13/2016 5:45:00 AM | 27900.000 | 150.052 | 21.111 |
| 346.466 | 680.039 | 734.610 | 0.362 |
| 499.535 | 1470.503 | 0.998 | 14.755 |
| 10/13/2016 6:00:00 AM | 28800.000 | 150.049 | 21.104 |
| 346.459 | 679.545 | 734.185 | 0.362 |
| 499.246 | 1471.572 | 0.998 | 14.758 |
| 10/13/2016 6:15:00 AM | 29700.000 | 150.049 | 21.108 |
| 346.458 | 678.954 | 733.472 | 0.362 |
| 498.761 | 1472.853 | 0.998 | 14.758 |
| 10/13/2016 6:30:00 AM | 30600.000 | 150.047 | 21.112 |
| 346.455 | 678.988 | 733.456 | 0.362 |
| 498.750 | 1472.780 | 0.998 | 14.760 |
| 10/13/2016 6:45:00 AM | 31500.000 | 150.052 | 21.108 |
| 346.466 | 677.939 | 732.381 | 0.361 |
| 498.019 | 1475.059 | 0.998 | 14.755 |
| 10/13/2016 7:00:00 AM | 32400.000 | 150.050 | 21.104 |
| 346.461 | 678.082 | 732.593 | 0.361 |
| 498.163 | 1474.749 | 0.998 | 14.754 |
| 10/13/2016 7:15:00 AM | 33300.000 | 150.054 | 21.102 |
| 346.471 | 677.553 | 732.051 | 0.361 |
| 497.794 | 1475.900 | 0.998 | 14.752 |
| 10/13/2016 7:30:00 AM | 34200.000 | 150.055 | 21.107 |
| 346.471 | 676.776 | 731.136 | 0.361 |
| 497.173 | 1477.593 | 0.998 | 14.754 |
| 10/13/2016 7:45:00 AM | 35100.000 | 150.050 | 21.113 |
| 346.462 | 676.417 | 730.667 | 0.360 |
| 496.854 | 1478.378 | 0.998 | 14.754 |
| 10/13/2016 8:00:00 AM | 36000.000 | 150.028 | 21.100 |
| 346.410 | 676.057 | 730.464 | 0.360 |
| 496.715 | 1479.165 | 0.998 | 14.751 |
| 10/13/2016 8:15:00 AM | 36900.000 | 150.025 | 21.097 |
| 346.402 | 676.883 | 731.402 | 0.361 |

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|---|---|---|---|
| 497.354 | 1477.359 | 0.998 | 14.754 |
| 10/13/2016 8:30:00 AM | 37800.000 | 150.023 | 21.100 |
| 346.398 | 678.438 | 733.047 | 0.362 |
| 498.472 | 1473.974 | 0.998 | 14.757 |
| 10/13/2016 8:45:00 AM | 38700.000 | 150.026 | 21.092 |
| 346.405 | 679.857 | 734.690 | 0.363 |
| 499.589 | 1470.897 | 0.998 | 14.759 |
| 10/13/2016 9:00:00 AM | 39600.000 | 150.064 | 21.109 |
| 346.492 | 680.297 | 734.919 | 0.363 |
| 499.745 | 1469.945 | 0.998 | 14.760 |
| 10/13/2016 9:15:00 AM | 40500.000 | 150.065 | 21.110 |
| 346.496 | 680.545 | 735.173 | 0.363 |
| 499.918 | 1469.411 | 0.998 | 14.761 |
| 10/13/2016 9:30:00 AM | 41400.000 | 150.074 | 21.108 |
| 346.515 | 680.367 | 735.013 | 0.363 |
| 499.809 | 1469.795 | 0.998 | 14.771 |
| 10/13/2016 9:45:00 AM | 42300.000 | 150.082 | 21.102 |
| 346.535 | 680.041 | 734.747 | 0.363 |
| 499.628 | 1470.500 | 0.998 | 14.763 |
| 10/13/2016 10:00:00 AM | 43200.000 | 150.076 | 21.110 |
| 346.520 | 679.882 | 734.450 | 0.362 |
| 499.426 | 1470.844 | 0.998 | 14.774 |
| 10/13/2016 10:15:00 AM | 44100.000 | 150.075 | 21.112 |
| 346.518 | 678.819 | 733.277 | 0.362 |
| 498.628 | 1473.147 | 0.998 | 14.770 |
| 10/13/2016 10:30:00 AM | 45000.000 | 150.074 | 21.112 |
| 346.517 | 678.785 | 733.228 | 0.362 |
| 498.595 | 1473.221 | 0.998 | 14.770 |
| 10/13/2016 10:45:00 AM | 45900.000 | 150.076 | 21.110 |
| 346.521 | 679.266 | 733.783 | 0.362 |
| 498.972 | 1472.177 | 0.998 | 14.773 |
| 10/13/2016 11:00:00 AM | 46800.000 | 150.082 | 21.112 |
| 346.535 | 678.410 | 732.832 | 0.362 |
| 498.326 | 1474.034 | 0.998 | 14.773 |
| 10/13/2016 11:15:00 AM | 47700.000 | 150.082 | 21.114 |
| 346.534 | 678.070 | 732.428 | 0.361 |
| 498.051 | 1474.774 | 0.998 | 14.776 |
| 10/13/2016 11:30:00 AM | 48600.000 | 150.084 | 21.113 |
| 346.538 | 678.460 | 732.864 | 0.362 |
| 498.347 | 1473.927 | 0.998 | 14.775 |
| 10/13/2016 11:45:00 AM | 49500.000 | 150.092 | 21.107 |
| 346.558 | 678.760 | 733.279 | 0.362 |
| 498.629 | 1473.274 | 0.998 | 14.770 |
| 10/13/2016 12:00:00 PM | 50400.000 | 150.106 | 21.096 |
| 346.590 | 678.337 | 733.001 | 0.362 |
| 498.441 | 1474.193 | 0.998 | 14.770 |
| 10/13/2016 12:15:00 PM | 51300.000 | 150.088 | 21.094 |
| 346.549 | 678.108 | 732.776 | 0.362 |
| 498.288 | 1474.692 | 0.998 | 14.770 |
| 10/13/2016 12:30:00 PM | 52200.000 | 150.093 | 21.092 |
| 346.560 | 678.251 | 732.960 | 0.362 |
| 498.413 | 1474.381 | 0.998 | 14.770 |
| 10/13/2016 12:45:00 PM | 53100.000 | 150.101 | 21.104 |
| 346.578 | 679.480 | 734.113 | 0.362 |
| 499.197 | 1471.713 | 0.998 | 14.765 |

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|---|---|---|---|
| 10/13/2016 1:00:00 PM | 54000.000 | 150.092 | 21.113 |
| 346.558 | 681.704 | 736.374 | 0.363 |
| 500.734 | 1466.912 | 0.998 | 14.766 |
| 10/13/2016 1:15:00 PM | 54900.000 | 150.093 | 21.115 |
| 346.559 | 681.879 | 736.528 | 0.363 |
| 500.839 | 1466.536 | 0.998 | 14.763 |
| 10/13/2016 1:30:00 PM | 55800.000 | 150.106 | 21.117 |
| 346.590 | 681.471 | 736.065 | 0.363 |
| 500.524 | 1467.413 | 0.998 | 14.753 |
| 10/13/2016 1:45:00 PM | 56700.000 | 150.073 | 21.102 |
| 346.513 | 680.563 | 735.313 | 0.363 |
| 500.013 | 1469.372 | 0.998 | 14.757 |
| 10/13/2016 2:00:00 PM | 57600.000 | 150.102 | 21.097 |
| 346.582 | 679.488 | 734.228 | 0.362 |
| 499.275 | 1471.696 | 0.998 | 14.756 |
| 10/13/2016 2:15:00 PM | 58500.000 | 150.104 | 21.098 |
| 346.586 | 679.164 | 733.863 | 0.362 |
| 499.027 | 1472.398 | 0.998 | 14.755 |
| 10/13/2016 2:30:00 PM | 59400.000 | 150.107 | 21.101 |
| 346.592 | 680.331 | 735.072 | 0.363 |
| 499.849 | 1469.873 | 0.998 | 14.752 |
| 10/13/2016 2:45:00 PM | 60300.000 | 150.100 | 21.105 |
| 346.575 | 680.494 | 735.186 | 0.363 |
| 499.926 | 1469.521 | 0.998 | 14.750 |
| 10/13/2016 3:00:00 PM | 61200.000 | 150.102 | 21.106 |
| 346.581 | 680.085 | 734.732 | 0.363 |
| 499.618 | 1470.405 | 0.998 | 14.750 |
| 10/13/2016 3:15:00 PM | 62100.000 | 150.103 | 21.106 |
| 346.583 | 679.431 | 734.028 | 0.362 |
| 499.139 | 1471.819 | 0.998 | 14.747 |
| 10/13/2016 3:30:00 PM | 63000.000 | 150.073 | 21.111 |
| 346.513 | 679.721 | 734.266 | 0.362 |
| 499.301 | 1471.192 | 0.998 | 14.744 |
| 10/13/2016 3:45:00 PM | 63900.000 | 150.080 | 21.107 |
| 346.529 | 679.190 | 733.752 | 0.362 |
| 498.951 | 1472.343 | 0.998 | 14.739 |
| 10/13/2016 4:00:00 PM | 64800.000 | 150.116 | 21.102 |
| 346.612 | 679.011 | 733.631 | 0.362 |
| 498.869 | 1472.730 | 0.998 | 14.734 |
| 10/13/2016 4:15:00 PM | 65700.000 | 150.103 | 21.104 |
| 346.582 | 679.108 | 733.709 | 0.362 |
| 498.922 | 1472.520 | 0.998 | 14.739 |
| 10/13/2016 4:30:00 PM | 66600.000 | 150.143 | 21.110 |
| 346.675 | 678.938 | 733.431 | 0.362 |
| 498.733 | 1472.888 | 0.998 | 14.732 |
| 10/13/2016 4:45:00 PM | 67500.000 | 150.118 | 21.108 |
| 346.618 | 679.230 | 733.775 | 0.362 |
| 498.967 | 1472.255 | 0.998 | 14.734 |
| 10/13/2016 5:00:00 PM | 68400.000 | 150.115 | 21.101 |
| 346.612 | 679.122 | 733.760 | 0.362 |
| 498.957 | 1472.489 | 0.998 | 14.729 |
| 10/13/2016 5:15:00 PM | 69300.000 | 150.070 | 21.100 |
| 346.506 | 679.025 | 733.674 | 0.362 |
| 498.898 | 1472.700 | 0.998 | 14.732 |
| 10/13/2016 5:30:00 PM | 70200.000 | 150.119 | 21.109 |

| | | | |
|---|---|---|---|
| 346.620 | 679.360 | 733.898 | 0.362 |
| 499.051 | 1471.975 | 0.998 | 14.726 |
| 10/13/2016 5:45:00 PM | 71100.000 | 150.122 | 21.110 |
| 346.627 | 679.861 | 734.431 | 0.362 |
| 499.413 | 1470.890 | 0.998 | 14.722 |
| 10/13/2016 6:00:00 PM | 72000.000 | 150.081 | 21.105 |
| 346.532 | 679.928 | 734.574 | 0.362 |
| 499.510 | 1470.745 | 0.998 | 14.725 |
| 10/13/2016 6:15:00 PM | 72900.000 | 150.083 | 21.106 |
| 346.536 | 679.743 | 734.358 | 0.362 |
| 499.363 | 1471.143 | 0.998 | 14.729 |
| 10/13/2016 6:30:00 PM | 73800.000 | 150.113 | 21.104 |
| 346.607 | 680.819 | 735.558 | 0.363 |
| 500.179 | 1468.820 | 0.998 | 14.732 |
| 10/13/2016 6:45:00 PM | 74700.000 | 150.124 | 21.111 |
| 346.633 | 680.599 | 735.217 | 0.363 |
| 499.948 | 1469.294 | 0.998 | 14.731 |
| 10/13/2016 7:00:00 PM | 75600.000 | 150.093 | 21.102 |
| 346.559 | 680.905 | 735.682 | 0.363 |
| 500.264 | 1468.634 | 0.998 | 14.733 |
| 10/13/2016 7:15:00 PM | 76500.000 | 150.131 | 21.100 |
| 346.647 | 681.758 | 736.629 | 0.364 |
| 500.907 | 1466.796 | 0.998 | 14.728 |
| 10/13/2016 7:30:00 PM | 77400.000 | 150.123 | 21.103 |
| 346.630 | 680.993 | 735.755 | 0.363 |
| 500.313 | 1468.443 | 0.998 | 14.733 |
| 10/13/2016 7:45:00 PM | 78300.000 | 150.126 | 21.102 |
| 346.635 | 680.555 | 735.296 | 0.363 |
| 500.001 | 1469.389 | 0.998 | 14.733 |
| 10/13/2016 8:00:00 PM | 79200.000 | 150.120 | 21.114 |
| 346.622 | 680.600 | 735.172 | 0.363 |
| 499.917 | 1469.292 | 0.998 | 14.739 |
| 10/13/2016 8:15:00 PM | 80100.000 | 150.086 | 21.104 |
| 346.544 | 681.053 | 735.802 | 0.363 |
| 500.345 | 1468.314 | 0.998 | 14.733 |
| 10/13/2016 8:30:00 PM | 81000.000 | 150.131 | 21.096 |
| 346.648 | 681.259 | 736.157 | 0.363 |
| 500.587 | 1467.870 | 0.998 | 14.738 |
| 10/13/2016 8:45:00 PM | 81900.000 | 150.093 | 21.104 |
| 346.561 | 682.028 | 736.859 | 0.364 |
| 501.064 | 1466.215 | 0.998 | 14.736 |
| 10/13/2016 9:00:00 PM | 82800.000 | 150.130 | 21.105 |
| 346.646 | 682.522 | 737.383 | 0.364 |
| 501.420 | 1465.154 | 0.998 | 14.735 |
| 10/13/2016 9:15:00 PM | 83700.000 | 150.138 | 21.107 |
| 346.664 | 682.635 | 737.467 | 0.364 |
| 501.478 | 1464.911 | 0.998 | 14.734 |
| 10/13/2016 9:30:00 PM | 84600.000 | 150.129 | 21.105 |
| 346.643 | 681.908 | 736.718 | 0.364 |
| 500.969 | 1466.474 | 0.998 | 14.743 |
| 10/13/2016 9:45:00 PM | 85500.000 | 150.127 | 21.112 |
| 346.639 | 681.630 | 736.310 | 0.363 |
| 500.691 | 1467.073 | 0.998 | 14.744 |
| 10/13/2016 10:00:00 PM | 86400.000 | 150.137 | 21.110 |
| 346.662 | 681.839 | 736.567 | 0.363 |

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| 500.866 | 1466.622 | 0.998 | 14.744 |
| 10/13/2016 10:15:00 PM | 87300.000 | 150.132 | 21.114 |
| 346.651 | 681.813 | 736.479 | 0.363 |
| 500.806 | 1466.678 | 0.998 | 14.742 |
| 10/13/2016 10:30:00 PM | 88200.000 | 150.129 | 21.109 |
| 346.644 | 681.238 | 735.933 | 0.363 |
| 500.434 | 1467.916 | 0.998 | 14.741 |
| 10/13/2016 10:45:00 PM | 89100.000 | 150.141 | 21.114 |
| 346.671 | 680.830 | 735.413 | 0.363 |
| 500.081 | 1468.797 | 0.998 | 14.740 |
| 10/13/2016 11:00:00 PM | 90000.000 | 150.136 | 21.109 |
| 346.659 | 680.311 | 734.933 | 0.363 |
| 499.755 | 1469.916 | 0.998 | 14.743 |
| 10/13/2016 11:15:00 PM | 90900.000 | 150.134 | 21.101 |
| 346.654 | 679.987 | 734.704 | 0.363 |
| 499.599 | 1470.616 | 0.998 | 14.748 |
| 10/13/2016 11:30:00 PM | 91800.000 | 150.138 | 21.108 |
| 346.664 | 680.435 | 735.073 | 0.363 |
| 499.850 | 1469.649 | 0.998 | 14.741 |
| 10/13/2016 11:45:00 PM | 92700.000 | 150.139 | 21.105 |
| 346.666 | 679.908 | 734.555 | 0.362 |
| 499.497 | 1470.788 | 0.998 | 14.741 |
| 10/14/2016 12:00:00 AM | 93600.000 | 150.139 | 21.108 |
| 346.666 | 679.669 | 734.258 | 0.362 |
| 499.296 | 1471.305 | 0.998 | 14.739 |
| 10/14/2016 12:15:00 AM | 94500.000 | 150.122 | 21.106 |
| 346.626 | 680.653 | 735.345 | 0.363 |
| 500.035 | 1469.178 | 0.998 | 14.734 |
| 10/14/2016 12:30:00 AM | 95400.000 | 150.143 | 21.111 |
| 346.675 | 681.147 | 735.802 | 0.363 |
| 500.346 | 1468.112 | 0.998 | 14.737 |
| 10/14/2016 12:45:00 AM | 96300.000 | 150.118 | 21.106 |
| 346.617 | 681.175 | 735.907 | 0.363 |
| 500.417 | 1468.051 | 0.998 | 14.731 |
| 10/14/2016 1:00:00 AM | 97200.000 | 150.141 | 21.117 |
| 346.670 | 681.548 | 736.148 | 0.363 |
| 500.580 | 1467.249 | 0.998 | 14.731 |
| 10/14/2016 1:15:00 AM | 98100.000 | 150.143 | 21.112 |
| 346.674 | 680.822 | 735.434 | 0.363 |
| 500.095 | 1468.812 | 0.998 | 14.729 |
| 10/14/2016 1:30:00 AM | 99000.000 | 150.146 | 21.107 |
| 346.683 | 680.094 | 734.723 | 0.363 |
| 499.612 | 1470.386 | 0.998 | 14.725 |
| 10/14/2016 1:45:00 AM | 99900.000 | 150.103 | 21.103 |
| 346.583 | 679.240 | 733.863 | 0.362 |
| 499.027 | 1472.233 | 0.998 | 14.732 |
| 10/14/2016 2:00:00 AM | 100800.000 | 150.141 | 21.106 |
| 346.671 | 679.814 | 734.438 | 0.362 |
| 499.418 | 1470.990 | 0.998 | 14.733 |
| 10/14/2016 2:15:00 AM | 101700.000 | 150.149 | 21.099 |
| 346.690 | 680.265 | 735.030 | 0.363 |
| 499.821 | 1470.015 | 0.998 | 14.730 |
| 10/14/2016 2:30:00 AM | 102600.000 | 150.154 | 21.108 |
| 346.700 | 680.696 | 735.359 | 0.363 |
| 500.044 | 1469.084 | 0.998 | 14.730 |

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| 10/14/2016 2:45:00 AM | 103500.000 | 150.142 | 21.110 |
| 346.673 | 680.871 | 735.524 | 0.363 |
| 500.156 | 1468.707 | 0.998 | 14.732 |
| 10/14/2016 3:00:00 AM | 104400.000 | 150.145 | 21.112 |
| 346.680 | 680.356 | 734.933 | 0.363 |
| 499.755 | 1469.819 | 0.998 | 14.727 |
| 10/14/2016 3:15:00 AM | 105300.000 | 150.140 | 21.111 |
| 346.669 | 680.506 | 735.112 | 0.363 |
| 499.876 | 1469.495 | 0.998 | 14.732 |
| 10/14/2016 3:30:00 AM | 106200.000 | 150.111 | 21.098 |
| 346.603 | 680.261 | 735.049 | 0.363 |
| 499.834 | 1470.024 | 0.998 | 14.734 |
| 10/14/2016 3:45:00 AM | 107100.000 | 150.150 | 21.099 |
| 346.691 | 680.864 | 735.676 | 0.363 |
| 500.260 | 1468.722 | 0.998 | 14.733 |
| 10/14/2016 4:00:00 AM | 108000.000 | 150.144 | 21.108 |
| 346.677 | 681.712 | 736.455 | 0.363 |
| 500.789 | 1466.895 | 0.998 | 14.736 |
| 10/14/2016 4:15:00 AM | 108900.000 | 150.145 | 21.093 |
| 346.681 | 681.688 | 736.656 | 0.364 |
| 500.926 | 1466.946 | 0.998 | 14.736 |
| 10/14/2016 4:30:00 AM | 109800.000 | 150.137 | 21.110 |
| 346.661 | 681.718 | 736.433 | 0.363 |
| 500.775 | 1466.883 | 0.998 | 14.735 |
| 10/14/2016 4:45:00 AM | 110700.000 | 150.149 | 21.106 |
| 346.690 | 681.816 | 736.600 | 0.363 |
| 500.888 | 1466.671 | 0.998 | 14.725 |
| 10/14/2016 5:00:00 AM | 111600.000 | 150.106 | 21.096 |
| 346.591 | 681.768 | 736.703 | 0.364 |
| 500.958 | 1466.775 | 0.998 | 14.731 |
| 10/14/2016 5:15:00 AM | 112500.000 | 150.135 | 21.097 |
| 346.657 | 682.775 | 737.779 | 0.364 |
| 501.690 | 1464.612 | 0.998 | 14.724 |
| 10/14/2016 5:30:00 AM | 113400.000 | 150.141 | 21.106 |
| 346.670 | 684.101 | 739.071 | 0.365 |
| 502.568 | 1461.773 | 0.998 | 14.726 |
| 10/14/2016 5:45:00 AM | 114300.000 | 150.116 | 21.105 |
| 346.614 | 684.203 | 739.197 | 0.365 |
| 502.654 | 1461.554 | 0.998 | 14.721 |
| 10/14/2016 6:00:00 AM | 115200.000 | 150.150 | 21.109 |
| 346.692 | 684.198 | 739.129 | 0.365 |
| 502.608 | 1461.565 | 0.998 | 14.726 |
| 10/14/2016 6:15:00 AM | 116100.000 | 150.107 | 21.104 |
| 346.593 | 683.002 | 737.918 | 0.364 |
| 501.784 | 1464.124 | 0.998 | 14.722 |
| 10/14/2016 6:30:00 AM | 117000.000 | 150.134 | 21.104 |
| 346.655 | 682.191 | 737.036 | 0.364 |
| 501.185 | 1465.865 | 0.998 | 14.728 |
| 10/14/2016 6:45:00 AM | 117900.000 | 150.141 | 21.106 |
| 346.670 | 682.153 | 736.965 | 0.364 |
| 501.136 | 1465.946 | 0.998 | 14.726 |
| 10/14/2016 7:00:00 AM | 118800.000 | 150.149 | 21.109 |
| 346.688 | 682.291 | 737.072 | 0.364 |
| 501.209 | 1465.650 | 0.998 | 14.723 |
| 10/14/2016 7:15:00 AM | 119700.000 | 150.147 | 21.110 |

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| 346.685 | 681.059 | 735.716 | 0.363 |
| 500.287 | 1468.301 | 0.998 | 14.727 |
| 10/14/2016 7:30:00 AM | 120600.000 | 150.146 | 21.110 |
| 346.683 | 681.968 | 736.705 | 0.364 |
| 500.960 | 1466.344 | 0.998 | 14.725 |
| 10/14/2016 7:45:00 AM | 121500.000 | 150.114 | 21.103 |
| 346.609 | 680.776 | 735.523 | 0.363 |
| 500.156 | 1468.913 | 0.998 | 14.723 |
| 10/14/2016 8:00:00 AM | 122400.000 | 150.153 | 21.108 |
| 346.698 | 681.095 | 735.795 | 0.363 |
| 500.340 | 1468.225 | 0.998 | 14.726 |
| 10/14/2016 8:15:00 AM | 123300.000 | 150.150 | 21.109 |
| 346.691 | 681.511 | 736.230 | 0.363 |
| 500.636 | 1467.328 | 0.998 | 14.735 |
| 10/14/2016 8:30:00 AM | 124200.000 | 150.160 | 21.114 |
| 346.715 | 681.981 | 736.661 | 0.364 |
| 500.929 | 1466.317 | 0.998 | 14.729 |
| 10/14/2016 8:45:00 AM | 125100.000 | 150.147 | 21.116 |
| 346.685 | 680.086 | 734.581 | 0.362 |
| 499.515 | 1470.402 | 0.998 | 14.733 |
| 10/14/2016 9:00:00 AM | 126000.000 | 150.154 | 21.118 |
| 346.700 | 680.381 | 734.865 | 0.363 |
| 499.708 | 1469.764 | 0.998 | 14.734 |
| 10/14/2016 9:15:00 AM | 126900.000 | 150.158 | 21.109 |
| 346.710 | 680.227 | 734.837 | 0.363 |
| 499.689 | 1470.097 | 0.998 | 14.741 |
| 10/14/2016 9:30:00 AM | 127800.000 | 150.156 | 21.113 |
| 346.705 | 681.206 | 735.836 | 0.363 |
| 500.368 | 1467.985 | 0.998 | 14.736 |
| 10/14/2016 9:45:00 AM | 128700.000 | 150.164 | 21.111 |
| 346.725 | 681.565 | 736.253 | 0.363 |
| 500.652 | 1467.212 | 0.998 | 14.743 |
| 10/14/2016 10:00:00 AM | 129600.000 | 150.173 | 21.101 |
| 346.746 | 682.382 | 737.285 | 0.364 |
| 501.354 | 1465.455 | 0.998 | 14.736 |
| 10/14/2016 10:15:00 AM | 130500.000 | 150.173 | 21.112 |
| 346.745 | 683.354 | 738.167 | 0.364 |
| 501.953 | 1463.370 | 0.998 | 14.734 |
| 10/14/2016 10:30:00 AM | 131400.000 | 150.182 | 21.110 |
| 346.766 | 682.550 | 737.335 | 0.364 |
| 501.388 | 1465.094 | 0.998 | 14.724 |
| 10/14/2016 10:45:00 AM | 132300.000 | 150.180 | 21.113 |
| 346.761 | 682.401 | 737.133 | 0.364 |
| 501.250 | 1465.415 | 0.998 | 14.734 |
| 10/14/2016 11:00:00 AM | 133200.000 | 150.174 | 21.113 |
| 346.748 | 682.582 | 737.322 | 0.364 |
| 501.379 | 1465.026 | 0.998 | 14.735 |
| 10/14/2016 11:15:00 AM | 134100.000 | 150.187 | 21.109 |
| 346.776 | 682.261 | 737.039 | 0.364 |
| 501.187 | 1465.714 | 0.998 | 14.733 |
| 10/14/2016 11:30:00 AM | 135000.000 | 150.198 | 21.094 |
| 346.802 | 679.967 | 734.778 | 0.363 |
| 499.649 | 1470.659 | 0.998 | 14.731 |
| 10/14/2016 11:45:00 AM | 135900.000 | 150.192 | 21.099 |
| 346.788 | 680.496 | 735.283 | 0.363 |

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| 499.992 | 1469.516 | 0.998 | 14.730 |
| 10/14/2016 12:00:00 PM | 136800.000 | 150.193 | 21.106 |
| 346.792 | 681.875 | 736.671 | 0.364 |
| 500.936 | 1466.545 | 0.998 | 14.729 |
| 10/14/2016 12:15:00 PM | 137700.000 | 150.206 | 21.107 |
| 346.821 | 682.971 | 737.835 | 0.364 |
| 501.728 | 1464.191 | 0.998 | 14.728 |
| 10/14/2016 12:30:00 PM | 138600.000 | 150.223 | 21.106 |
| 346.861 | 682.500 | 737.333 | 0.364 |
| 501.387 | 1465.201 | 0.998 | 14.721 |
| 10/14/2016 12:45:00 PM | 139500.000 | 150.212 | 21.111 |
| 346.835 | 682.548 | 737.315 | 0.364 |
| 501.374 | 1465.098 | 0.998 | 14.727 |
| 10/14/2016 1:00:00 PM | 140400.000 | 150.173 | 21.099 |
| 346.745 | 682.104 | 737.018 | 0.364 |
| 501.172 | 1466.052 | 0.998 | 14.725 |
| 10/14/2016 1:15:00 PM | 141300.000 | 150.229 | 21.105 |
| 346.875 | 681.130 | 735.874 | 0.363 |
| 500.395 | 1468.149 | 0.998 | 14.716 |
| 10/14/2016 1:30:00 PM | 142200.000 | 150.221 | 21.111 |
| 346.856 | 680.882 | 735.518 | 0.363 |
| 500.152 | 1468.684 | 0.998 | 14.716 |
| 10/14/2016 1:45:00 PM | 143100.000 | 150.241 | 21.108 |
| 346.903 | 680.957 | 735.641 | 0.363 |
| 500.236 | 1468.521 | 0.998 | 14.708 |
| 10/14/2016 2:00:00 PM | 144000.000 | 150.237 | 21.112 |
| 346.893 | 681.930 | 736.639 | 0.364 |
| 500.914 | 1466.426 | 0.998 | 14.709 |
| 10/14/2016 2:15:00 PM | 144900.000 | 150.235 | 21.104 |
| 346.887 | 680.689 | 735.410 | 0.363 |
| 500.079 | 1469.100 | 0.998 | 14.710 |
| 10/14/2016 2:30:00 PM | 145800.000 | 150.243 | 21.110 |
| 346.905 | 680.970 | 735.622 | 0.363 |
| 500.223 | 1468.494 | 0.998 | 14.708 |
| 10/14/2016 2:45:00 PM | 146700.000 | 150.253 | 21.107 |
| 346.930 | 679.571 | 734.158 | 0.362 |
| 499.228 | 1471.516 | 0.998 | 14.705 |
| 10/14/2016 3:00:00 PM | 147600.000 | 150.239 | 21.104 |
| 346.898 | 679.586 | 734.223 | 0.362 |
| 499.272 | 1471.485 | 0.998 | 14.703 |
| 10/14/2016 3:15:00 PM | 148500.000 | 150.247 | 21.102 |
| 346.916 | 679.690 | 734.370 | 0.362 |
| 499.372 | 1471.259 | 0.998 | 14.703 |
| 10/14/2016 3:30:00 PM | 149400.000 | 150.262 | 21.102 |
| 346.949 | 680.021 | 734.728 | 0.363 |
| 499.615 | 1470.543 | 0.998 | 14.697 |
| 10/14/2016 3:45:00 PM | 150300.000 | 150.250 | 21.111 |
| 346.922 | 680.399 | 734.994 | 0.363 |
| 499.796 | 1469.726 | 0.998 | 14.696 |
| 10/14/2016 4:00:00 PM | 151200.000 | 150.248 | 21.107 |
| 346.919 | 680.365 | 735.016 | 0.363 |
| 499.811 | 1469.799 | 0.998 | 14.704 |
| 10/14/2016 4:15:00 PM | 152100.000 | 150.255 | 21.109 |
| 346.933 | 680.237 | 734.852 | 0.363 |
| 499.699 | 1470.077 | 0.998 | 14.700 |

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| 10/14/2016 4:30:00 PM | 153000.000 | 150.255 | 21.119 |
| 346.933 | 680.006 | 734.445 | 0.362 |
| 499.423 | 1470.575 | 0.998 | 14.697 |
| 10/14/2016 4:45:00 PM | 153900.000 | 150.256 | 21.113 |
| 346.936 | 680.721 | 735.314 | 0.363 |
| 500.013 | 1469.031 | 0.998 | 14.696 |
| 10/14/2016 5:00:00 PM | 154800.000 | 150.257 | 21.119 |
| 346.939 | 680.676 | 735.175 | 0.363 |
| 499.919 | 1469.129 | 0.998 | 14.694 |
| 10/14/2016 5:15:00 PM | 155700.000 | 150.263 | 21.111 |
| 346.952 | 679.652 | 734.189 | 0.362 |
| 499.248 | 1471.341 | 0.998 | 14.694 |
| 10/14/2016 5:30:00 PM | 156600.000 | 150.255 | 21.111 |
| 346.935 | 679.868 | 734.420 | 0.362 |
| 499.406 | 1470.875 | 0.998 | 14.694 |
| 10/14/2016 5:45:00 PM | 157500.000 | 150.264 | 21.117 |
| 346.956 | 678.738 | 733.109 | 0.362 |
| 498.514 | 1473.323 | 0.998 | 14.696 |
| 10/14/2016 6:00:00 PM | 158400.000 | 150.268 | 21.110 |
| 346.963 | 677.234 | 731.592 | 0.361 |
| 497.483 | 1476.596 | 0.998 | 14.693 |
| 10/14/2016 6:15:00 PM | 159300.000 | 150.215 | 21.105 |
| 346.842 | 678.755 | 733.303 | 0.362 |
| 498.646 | 1473.286 | 0.998 | 14.699 |
| 10/14/2016 6:30:00 PM | 160200.000 | 150.255 | 21.112 |
| 346.934 | 681.011 | 735.638 | 0.363 |
| 500.234 | 1468.406 | 0.998 | 14.696 |
| 10/14/2016 6:45:00 PM | 161100.000 | 150.258 | 21.105 |
| 346.940 | 681.076 | 735.811 | 0.363 |
| 500.351 | 1468.265 | 0.998 | 14.695 |
| 10/14/2016 7:00:00 PM | 162000.000 | 150.261 | 21.100 |
| 346.949 | 680.011 | 734.739 | 0.363 |
| 499.622 | 1470.564 | 0.998 | 14.697 |
| 10/14/2016 7:15:00 PM | 162900.000 | 150.262 | 21.102 |
| 346.950 | 680.725 | 735.477 | 0.363 |
| 500.124 | 1469.022 | 0.998 | 14.699 |
| 10/14/2016 7:30:00 PM | 163800.000 | 150.221 | 21.101 |
| 346.857 | 681.475 | 736.313 | 0.363 |
| 500.693 | 1467.406 | 0.998 | 14.709 |
| 10/14/2016 7:45:00 PM | 164700.000 | 150.222 | 21.104 |
| 346.858 | 681.237 | 736.009 | 0.363 |
| 500.486 | 1467.918 | 0.998 | 14.702 |
| 10/14/2016 8:00:00 PM | 165600.000 | 150.268 | 21.112 |
| 346.963 | 682.288 | 737.025 | 0.364 |
| 501.177 | 1465.658 | 0.998 | 14.705 |
| 10/14/2016 8:15:00 PM | 166500.000 | 150.273 | 21.110 |
| 346.977 | 681.846 | 736.572 | 0.363 |
| 500.869 | 1466.607 | 0.998 | 14.705 |
| 10/14/2016 8:30:00 PM | 167400.000 | 150.280 | 21.106 |
| 346.991 | 681.262 | 736.004 | 0.363 |
| 500.483 | 1467.863 | 0.998 | 14.699 |
| 10/14/2016 8:45:00 PM | 168300.000 | 150.263 | 21.112 |
| 346.952 | 682.878 | 737.655 | 0.364 |
| 501.605 | 1464.390 | 0.998 | 14.705 |
| 10/14/2016 9:00:00 PM | 169200.000 | 150.276 | 21.108 |

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| 346.983 | 682.897 | 737.734 | 0.364 |
| 501.659 | 1464.350 | 0.998 | 14.703 |
| 10/14/2016 9:15:00 PM | 170100.000 | 150.269 | 21.106 |
| 346.966 | 682.128 | 736.945 | 0.364 |
| 501.122 | 1466.001 | 0.998 | 14.707 |
| 10/14/2016 9:30:00 PM | 171000.000 | 150.286 | 21.108 |
| 347.007 | 681.290 | 736.008 | 0.363 |
| 500.486 | 1467.804 | 0.998 | 14.705 |
| 10/14/2016 9:45:00 PM | 171900.000 | 150.284 | 21.104 |
| 347.001 | 681.417 | 736.206 | 0.363 |
| 500.620 | 1467.530 | 0.998 | 14.709 |
| 10/14/2016 10:00:00 PM | 172800.000 | 150.283 | 21.107 |
| 346.998 | 682.922 | 737.784 | 0.364 |
| 501.693 | 1464.297 | 0.998 | 14.711 |
| 10/14/2016 10:15:00 PM | 173700.000 | 150.302 | 21.104 |
| 347.043 | 683.587 | 738.547 | 0.364 |
| 502.212 | 1462.872 | 0.998 | 14.703 |
| 10/14/2016 10:30:00 PM | 174600.000 | 150.291 | 21.102 |
| 347.016 | 683.520 | 738.498 | 0.364 |
| 502.179 | 1463.015 | 0.998 | 14.708 |
| 10/14/2016 10:45:00 PM | 175500.000 | 150.302 | 21.108 |
| 347.042 | 682.946 | 737.789 | 0.364 |
| 501.696 | 1464.244 | 0.998 | 14.714 |
| 10/14/2016 11:00:00 PM | 176400.000 | 150.292 | 21.102 |
| 347.019 | 682.799 | 737.719 | 0.364 |
| 501.649 | 1464.559 | 0.998 | 14.709 |
| 10/14/2016 11:15:00 PM | 177300.000 | 150.301 | 21.110 |
| 347.041 | 683.141 | 737.970 | 0.364 |
| 501.820 | 1463.826 | 0.998 | 14.710 |
| 10/14/2016 11:30:00 PM | 178200.000 | 150.302 | 21.111 |
| 347.044 | 683.378 | 738.219 | 0.364 |
| 501.989 | 1463.318 | 0.998 | 14.713 |
| 10/14/2016 11:45:00 PM | 179100.000 | 150.302 | 21.114 |
| 347.043 | 683.363 | 738.153 | 0.364 |
| 501.944 | 1463.352 | 0.998 | 14.713 |
| 10/15/2016 12:00:00 AM | 180000.000 | 150.312 | 21.109 |
| 347.065 | 683.128 | 737.966 | 0.364 |
| 501.817 | 1463.855 | 0.998 | 14.715 |
| 10/15/2016 12:15:00 AM | 180900.000 | 150.317 | 21.111 |
| 347.078 | 682.914 | 737.707 | 0.364 |
| 501.641 | 1464.313 | 0.998 | 14.708 |
| 10/15/2016 12:30:00 AM | 181800.000 | 150.325 | 21.108 |
| 347.095 | 682.308 | 737.095 | 0.364 |
| 501.225 | 1465.614 | 0.998 | 14.705 |
| 10/15/2016 12:45:00 AM | 182700.000 | 150.326 | 21.112 |
| 347.098 | 680.861 | 735.475 | 0.363 |
| 500.123 | 1468.729 | 0.998 | 14.710 |
| 10/15/2016 1:00:00 AM | 183600.000 | 150.331 | 21.119 |
| 347.110 | 681.440 | 736.001 | 0.363 |
| 500.481 | 1467.480 | 0.998 | 14.702 |
| 10/15/2016 1:15:00 AM | 184500.000 | 150.331 | 21.115 |
| 347.109 | 681.197 | 735.796 | 0.363 |
| 500.341 | 1468.004 | 0.998 | 14.708 |
| 10/15/2016 1:30:00 AM | 185400.000 | 150.327 | 21.103 |
| 347.101 | 679.964 | 734.644 | 0.362 |

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| 499.558 | 1470.666 | 0.998 | 14.709 |
| 10/15/2016 1:45:00 AM | 186300.000 | 150.332 | 21.097 |
| 347.111 | 682.086 | 737.031 | 0.364 |
| 501.181 | 1466.090 | 0.998 | 14.707 |
| 10/15/2016 2:00:00 AM | 187200.000 | 150.336 | 21.100 |
| 347.122 | 682.328 | 737.248 | 0.364 |
| 501.328 | 1465.570 | 0.998 | 14.706 |
| 10/15/2016 2:15:00 AM | 188100.000 | 150.342 | 21.109 |
| 347.135 | 682.819 | 737.638 | 0.364 |
| 501.594 | 1464.517 | 0.998 | 14.713 |
| 10/15/2016 2:30:00 AM | 189000.000 | 150.342 | 21.109 |
| 347.134 | 682.002 | 736.751 | 0.364 |
| 500.991 | 1466.272 | 0.998 | 14.711 |
| 10/15/2016 2:45:00 AM | 189900.000 | 150.343 | 21.111 |
| 347.137 | 682.466 | 737.233 | 0.364 |
| 501.319 | 1465.275 | 0.998 | 14.702 |
| 10/15/2016 3:00:00 AM | 190800.000 | 150.333 | 21.113 |
| 347.115 | 681.864 | 736.552 | 0.363 |
| 500.856 | 1466.569 | 0.998 | 14.706 |
| 10/15/2016 3:15:00 AM | 191700.000 | 150.306 | 21.104 |
| 347.052 | 682.272 | 737.127 | 0.364 |
| 501.246 | 1465.691 | 0.998 | 14.704 |
| 10/15/2016 3:30:00 AM | 192600.000 | 150.348 | 21.106 |
| 347.149 | 683.080 | 737.968 | 0.364 |
| 501.818 | 1463.958 | 0.998 | 14.707 |
| 10/15/2016 3:45:00 AM | 193500.000 | 150.350 | 21.105 |
| 347.153 | 683.850 | 738.808 | 0.365 |
| 502.389 | 1462.309 | 0.998 | 14.706 |
| 10/15/2016 4:00:00 AM | 194400.000 | 150.345 | 21.110 |
| 347.141 | 682.607 | 737.388 | 0.364 |
| 501.424 | 1464.973 | 0.998 | 14.704 |
| 10/15/2016 4:15:00 AM | 195300.000 | 150.317 | 21.104 |
| 347.076 | 682.844 | 737.743 | 0.364 |
| 501.665 | 1464.464 | 0.998 | 14.700 |
| 10/15/2016 4:30:00 AM | 196200.000 | 150.358 | 21.102 |
| 347.171 | 682.805 | 737.726 | 0.364 |
| 501.653 | 1464.546 | 0.998 | 14.693 |
| 10/15/2016 4:45:00 AM | 197100.000 | 150.314 | 21.109 |
| 347.070 | 683.352 | 738.208 | 0.364 |
| 501.982 | 1463.375 | 0.998 | 14.693 |
| 10/15/2016 5:00:00 AM | 198000.000 | 150.350 | 21.102 |
| 347.152 | 682.409 | 737.302 | 0.364 |
| 501.366 | 1465.398 | 0.998 | 14.697 |
| 10/15/2016 5:15:00 AM | 198900.000 | 150.320 | 21.108 |
| 347.085 | 683.140 | 737.996 | 0.364 |
| 501.837 | 1463.830 | 0.998 | 14.697 |
| 10/15/2016 5:30:00 AM | 199800.000 | 150.351 | 21.108 |
| 347.157 | 682.996 | 737.838 | 0.364 |
| 501.730 | 1464.138 | 0.998 | 14.701 |
| 10/15/2016 5:45:00 AM | 200700.000 | 150.363 | 21.114 |
| 347.184 | 683.433 | 738.226 | 0.364 |
| 501.994 | 1463.201 | 0.998 | 14.695 |
| 10/15/2016 6:00:00 AM | 201600.000 | 150.322 | 21.100 |
| 347.089 | 682.896 | 737.866 | 0.364 |
| 501.749 | 1464.352 | 0.998 | 14.700 |

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| 10/15/2016 6:15:00 AM | 202500.000 | 150.357 | 21.108 |
| 347.171 | 683.306 | 738.187 | 0.364 |
| 501.967 | 1463.474 | 0.998 | 14.708 |
| 10/15/2016 6:30:00 AM | 203400.000 | 150.356 | 21.101 |
| 347.167 | 683.851 | 738.877 | 0.365 |
| 502.436 | 1462.306 | 0.998 | 14.707 |
| 10/15/2016 6:45:00 AM | 204300.000 | 150.357 | 21.098 |
| 347.169 | 683.545 | 738.592 | 0.365 |
| 502.243 | 1462.962 | 0.998 | 14.701 |
| 10/15/2016 7:00:00 AM | 205200.000 | 150.358 | 21.103 |
| 347.172 | 682.961 | 737.887 | 0.364 |
| 501.763 | 1464.213 | 0.998 | 14.705 |
| 10/15/2016 7:15:00 AM | 206100.000 | 150.360 | 21.105 |
| 347.177 | 683.665 | 738.610 | 0.365 |
| 502.255 | 1462.705 | 0.998 | 14.706 |
| 10/15/2016 7:30:00 AM | 207000.000 | 150.365 | 21.109 |
| 347.188 | 683.025 | 737.861 | 0.364 |
| 501.745 | 1464.075 | 0.998 | 14.700 |
| 10/15/2016 7:45:00 AM | 207900.000 | 150.323 | 21.098 |
| 347.090 | 683.335 | 738.364 | 0.364 |
| 502.088 | 1463.411 | 0.998 | 14.702 |
| 10/15/2016 8:00:00 AM | 208800.000 | 150.363 | 21.099 |
| 347.184 | 684.738 | 739.859 | 0.365 |
| 503.104 | 1460.413 | 0.998 | 14.703 |
| 10/15/2016 8:15:00 AM | 209700.000 | 150.368 | 21.099 |
| 347.194 | 682.611 | 737.569 | 0.364 |
| 501.547 | 1464.963 | 0.998 | 14.702 |
| 10/15/2016 8:30:00 AM | 210600.000 | 150.381 | 21.109 |
| 347.225 | 683.247 | 738.107 | 0.364 |
| 501.913 | 1463.599 | 0.998 | 14.698 |
| 10/15/2016 8:45:00 AM | 211500.000 | 150.389 | 21.097 |
| 347.244 | 683.306 | 738.353 | 0.364 |
| 502.080 | 1463.473 | 0.998 | 14.697 |
| 10/15/2016 9:00:00 AM | 212400.000 | 150.371 | 21.108 |
| 347.202 | 684.612 | 739.592 | 0.365 |
| 502.923 | 1460.681 | 0.998 | 14.704 |
| 10/15/2016 9:15:00 AM | 213300.000 | 150.382 | 21.103 |
| 347.228 | 684.471 | 739.513 | 0.365 |
| 502.869 | 1460.983 | 0.998 | 14.704 |
| 10/15/2016 9:30:00 AM | 214200.000 | 150.381 | 21.098 |
| 347.225 | 682.820 | 737.809 | 0.364 |
| 501.710 | 1464.515 | 0.998 | 14.705 |
| 10/15/2016 9:45:00 AM | 215100.000 | 150.343 | 21.091 |
| 347.138 | 683.285 | 738.418 | 0.364 |
| 502.124 | 1463.519 | 0.998 | 14.711 |
| 10/15/2016 10:00:00 AM | 216000.000 | 150.392 | 21.094 |
| 347.250 | 684.221 | 739.385 | 0.365 |
| 502.782 | 1461.516 | 0.998 | 14.711 |
| 10/15/2016 10:15:00 AM | 216900.000 | 150.395 | 21.103 |
| 347.258 | 684.395 | 739.431 | 0.365 |
| 502.813 | 1461.146 | 0.998 | 14.711 |
| 10/15/2016 10:30:00 AM | 217800.000 | 150.346 | 21.100 |
| 347.145 | 683.855 | 738.892 | 0.365 |
| 502.446 | 1462.298 | 0.998 | 14.712 |
| 10/15/2016 10:45:00 AM | 218700.000 | 150.398 | 21.101 |

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| 347.265 | 683.585 | 738.586 | 0.365 |
| 502.239 | 1462.876 | 0.998 | 14.710 |
| 10/15/2016 11:00:00 AM | 219600.000 | 150.405 | 21.112 |
| 347.279 | 684.334 | 739.235 | 0.365 |
| 502.680 | 1461.275 | 0.998 | 14.709 |
| 10/15/2016 11:15:00 AM | 220500.000 | 150.406 | 21.103 |
| 347.283 | 683.765 | 738.754 | 0.365 |
| 502.353 | 1462.492 | 0.998 | 14.710 |
| 10/15/2016 11:30:00 AM | 221400.000 | 150.413 | 21.109 |
| 347.298 | 684.501 | 739.457 | 0.365 |
| 502.831 | 1460.919 | 0.998 | 14.703 |
| 10/15/2016 11:45:00 AM | 222300.000 | 150.414 | 21.098 |
| 347.301 | 684.571 | 739.692 | 0.365 |
| 502.991 | 1460.769 | 0.998 | 14.699 |
| 10/15/2016 12:00:00 PM | 223200.000 | 150.422 | 21.101 |
| 347.319 | 684.395 | 739.458 | 0.365 |
| 502.832 | 1461.146 | 0.998 | 14.698 |
| 10/15/2016 12:15:00 PM | 224100.000 | 150.426 | 21.107 |
| 347.328 | 684.400 | 739.380 | 0.365 |
| 502.779 | 1461.134 | 0.998 | 14.694 |
| 10/15/2016 12:30:00 PM | 225000.000 | 150.438 | 21.100 |
| 347.357 | 684.144 | 739.209 | 0.365 |
| 502.662 | 1461.680 | 0.998 | 14.693 |
| 10/15/2016 12:45:00 PM | 225900.000 | 150.399 | 21.097 |
| 347.268 | 684.521 | 739.666 | 0.365 |
| 502.973 | 1460.875 | 0.998 | 14.693 |
| 10/15/2016 1:00:00 PM | 226800.000 | 150.447 | 21.104 |
| 347.378 | 684.795 | 739.852 | 0.365 |
| 503.099 | 1460.292 | 0.998 | 14.689 |
| 10/15/2016 1:15:00 PM | 227700.000 | 150.445 | 21.103 |
| 347.372 | 685.246 | 740.348 | 0.365 |
| 503.437 | 1459.329 | 0.998 | 14.677 |
| 10/15/2016 1:30:00 PM | 228600.000 | 150.445 | 21.108 |
| 347.372 | 685.274 | 740.314 | 0.365 |
| 503.414 | 1459.269 | 0.998 | 14.677 |
| 10/15/2016 1:45:00 PM | 229500.000 | 150.421 | 21.104 |
| 347.318 | 684.444 | 739.465 | 0.365 |
| 502.836 | 1461.040 | 0.998 | 14.672 |
| 10/15/2016 2:00:00 PM | 230400.000 | 150.454 | 21.101 |
| 347.394 | 683.788 | 738.802 | 0.365 |
| 502.386 | 1462.441 | 0.998 | 14.670 |
| 10/15/2016 2:15:00 PM | 231300.000 | 150.453 | 21.101 |
| 347.391 | 684.318 | 739.378 | 0.365 |
| 502.777 | 1461.308 | 0.998 | 14.667 |
| 10/15/2016 2:30:00 PM | 232200.000 | 150.465 | 21.104 |
| 347.418 | 684.933 | 740.000 | 0.365 |
| 503.200 | 1459.997 | 0.998 | 14.659 |
| 10/15/2016 2:45:00 PM | 233100.000 | 150.478 | 21.114 |
| 347.449 | 683.903 | 738.737 | 0.365 |
| 502.341 | 1462.196 | 0.998 | 14.651 |
| 10/15/2016 3:00:00 PM | 234000.000 | 150.461 | 21.108 |
| 347.411 | 684.140 | 739.078 | 0.365 |
| 502.573 | 1461.690 | 0.998 | 14.659 |
| 10/15/2016 3:15:00 PM | 234900.000 | 150.497 | 21.115 |
| 347.492 | 683.926 | 738.739 | 0.365 |

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| 502.343 | 1462.146 | 0.998 | 14.664 |
| 10/15/2016 3:30:00 PM | 235800.000 | 150.468 | 21.110 |
| 347.426 | 683.484 | 738.335 | 0.364 |
| 502.068 | 1463.092 | 0.998 | 14.663 |
| 10/15/2016 3:45:00 PM | 236700.000 | 150.463 | 21.105 |
| 347.415 | 683.131 | 738.041 | 0.364 |
| 501.868 | 1463.847 | 0.998 | 14.660 |
| 10/15/2016 4:00:00 PM | 237600.000 | 150.474 | 21.112 |
| 347.441 | 683.075 | 737.864 | 0.364 |
| 501.748 | 1463.968 | 0.998 | 14.655 |
| 10/15/2016 4:15:00 PM | 238500.000 | 150.464 | 21.110 |
| 347.416 | 682.288 | 737.055 | 0.364 |
| 501.197 | 1465.657 | 0.998 | 14.659 |
| 10/15/2016 4:30:00 PM | 239400.000 | 150.460 | 21.105 |
| 347.407 | 681.928 | 736.739 | 0.364 |
| 500.983 | 1466.431 | 0.998 | 14.669 |
| 10/15/2016 4:45:00 PM | 240300.000 | 150.465 | 21.110 |
| 347.419 | 681.936 | 736.662 | 0.364 |
| 500.930 | 1466.414 | 0.998 | 14.674 |
| 10/15/2016 5:00:00 PM | 241200.000 | 150.463 | 21.102 |
| 347.414 | 681.437 | 736.245 | 0.363 |
| 500.647 | 1467.488 | 0.998 | 14.667 |
| 10/15/2016 5:15:00 PM | 242100.000 | 150.433 | 21.109 |
| 347.346 | 682.009 | 736.770 | 0.364 |
| 501.003 | 1466.256 | 0.998 | 14.668 |
| 10/15/2016 5:30:00 PM | 243000.000 | 150.466 | 21.105 |
| 347.421 | 681.927 | 736.740 | 0.364 |
| 500.983 | 1466.432 | 0.998 | 14.670 |
| 10/15/2016 5:45:00 PM | 243900.000 | 150.456 | 21.105 |
| 347.398 | 682.250 | 737.093 | 0.364 |
| 501.223 | 1465.738 | 0.998 | 14.668 |
| 10/15/2016 6:00:00 PM | 244800.000 | 150.468 | 21.108 |
| 347.425 | 682.286 | 737.076 | 0.364 |
| 501.211 | 1465.661 | 0.998 | 14.664 |
| 10/15/2016 6:15:00 PM | 245700.000 | 150.463 | 21.103 |
| 347.415 | 681.924 | 736.761 | 0.364 |
| 500.998 | 1466.439 | 0.998 | 14.659 |
| 10/15/2016 6:30:00 PM | 246600.000 | 150.466 | 21.100 |
| 347.422 | 681.884 | 736.759 | 0.364 |
| 500.996 | 1466.525 | 0.998 | 14.660 |
| 10/15/2016 6:45:00 PM | 247500.000 | 150.459 | 21.105 |
| 347.405 | 682.541 | 737.404 | 0.364 |
| 501.435 | 1465.113 | 0.998 | 14.663 |
| 10/15/2016 7:00:00 PM | 248400.000 | 150.461 | 21.109 |
| 347.411 | 683.005 | 737.835 | 0.364 |
| 501.728 | 1464.118 | 0.998 | 14.662 |
| 10/15/2016 7:15:00 PM | 249300.000 | 150.465 | 21.110 |
| 347.419 | 684.115 | 739.032 | 0.365 |
| 502.542 | 1461.742 | 0.998 | 14.660 |
| 10/15/2016 7:30:00 PM | 250200.000 | 150.424 | 21.093 |
| 347.323 | 682.913 | 737.989 | 0.364 |
| 501.832 | 1464.315 | 0.998 | 14.655 |
| 10/15/2016 7:45:00 PM | 251100.000 | 150.421 | 21.094 |
| 347.318 | 683.200 | 738.273 | 0.364 |
| 502.026 | 1463.700 | 0.998 | 14.662 |

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| 10/15/2016 8:00:00 PM | 252000.000 | 150.457 | 21.109 |
| 347.401 | 683.834 | 738.737 | 0.365 |
| 502.341 | 1462.343 | 0.998 | 14.667 |
| 10/15/2016 8:15:00 PM | 252900.000 | 150.459 | 21.101 |
| 347.405 | 685.213 | 740.349 | 0.365 |
| 503.438 | 1459.401 | 0.998 | 14.666 |
| 10/15/2016 8:30:00 PM | 253800.000 | 150.456 | 21.103 |
| 347.399 | 684.525 | 739.568 | 0.365 |
| 502.906 | 1460.867 | 0.998 | 14.670 |
| 10/15/2016 8:45:00 PM | 254700.000 | 150.430 | 21.109 |
| 347.338 | 685.290 | 740.304 | 0.365 |
| 503.407 | 1459.237 | 0.998 | 14.663 |
| 10/15/2016 9:00:00 PM | 255600.000 | 150.450 | 21.109 |
| 347.384 | 683.972 | 738.887 | 0.365 |
| 502.443 | 1462.047 | 0.998 | 14.672 |
| 10/15/2016 9:15:00 PM | 256500.000 | 150.415 | 21.104 |
| 347.305 | 682.995 | 737.905 | 0.364 |
| 501.775 | 1464.140 | 0.998 | 14.670 |
| 10/15/2016 9:30:00 PM | 257400.000 | 150.456 | 21.113 |
| 347.398 | 683.167 | 737.956 | 0.364 |
| 501.810 | 1463.771 | 0.998 | 14.664 |
| 10/15/2016 9:45:00 PM | 258300.000 | 150.453 | 21.115 |
| 347.392 | 682.629 | 737.344 | 0.364 |
| 501.394 | 1464.924 | 0.998 | 14.669 |
| 10/15/2016 10:00:00 PM | 259200.000 | 150.460 | 21.110 |
| 347.408 | 681.784 | 736.508 | 0.363 |
| 500.825 | 1466.740 | 0.998 | 14.679 |
| 10/15/2016 10:15:00 PM | 260100.000 | 150.464 | 21.112 |
| 347.416 | 681.866 | 736.566 | 0.363 |
| 500.865 | 1466.564 | 0.998 | 14.672 |
| 10/15/2016 10:30:00 PM | 261000.000 | 150.480 | 21.101 |
| 347.454 | 681.147 | 735.959 | 0.363 |
| 500.452 | 1468.111 | 0.998 | 14.669 |
| 10/15/2016 10:45:00 PM | 261900.000 | 150.466 | 21.108 |
| 347.421 | 681.862 | 736.627 | 0.364 |
| 500.906 | 1466.572 | 0.998 | 14.672 |
| 10/15/2016 11:00:00 PM | 262800.000 | 150.478 | 21.106 |
| 347.448 | 682.450 | 737.286 | 0.364 |
| 501.354 | 1465.308 | 0.998 | 14.670 |
| 10/15/2016 11:15:00 PM | 263700.000 | 150.476 | 21.109 |
| 347.444 | 682.397 | 737.185 | 0.364 |
| 501.286 | 1465.423 | 0.998 | 14.671 |
| 10/15/2016 11:30:00 PM | 264600.000 | 150.485 | 21.093 |
| 347.465 | 682.094 | 737.098 | 0.364 |
| 501.227 | 1466.073 | 0.998 | 14.675 |
| 10/15/2016 11:45:00 PM | 265500.000 | 150.476 | 21.093 |
| 347.444 | 682.560 | 737.601 | 0.364 |
| 501.568 | 1465.072 | 0.998 | 14.677 |
| 10/16/2016 12:00:00 AM | 266400.000 | 150.484 | 21.100 |
| 347.464 | 683.081 | 738.058 | 0.364 |
| 501.880 | 1463.954 | 0.998 | 14.678 |
| 10/16/2016 12:15:00 AM | 267300.000 | 150.489 | 21.106 |
| 347.474 | 683.720 | 738.658 | 0.365 |
| 502.288 | 1462.586 | 0.998 | 14.677 |
| 10/16/2016 12:30:00 AM | 268200.000 | 150.454 | 21.099 |

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| 347.395 | 683.783 | 738.834 | 0.365 |
| 502.407 | 1462.452 | 0.998 | 14.681 |
| 10/16/2016 12:45:00 AM | 269100.000 | 150.491 | 21.113 |
| 347.479 | 684.184 | 739.046 | 0.365 |
| 502.551 | 1461.595 | 0.998 | 14.684 |
| 10/16/2016 1:00:00 AM | 270000.000 | 150.484 | 21.104 |
| 347.462 | 683.777 | 738.745 | 0.365 |
| 502.347 | 1462.465 | 0.998 | 14.683 |
| 10/16/2016 1:15:00 AM | 270900.000 | 150.505 | 21.107 |
| 347.512 | 683.911 | 738.846 | 0.365 |
| 502.415 | 1462.177 | 0.998 | 14.680 |
| 10/16/2016 1:30:00 AM | 271800.000 | 150.509 | 21.108 |
| 347.522 | 683.703 | 738.606 | 0.365 |
| 502.252 | 1462.624 | 0.998 | 14.682 |
| 10/16/2016 1:45:00 AM | 272700.000 | 150.498 | 21.101 |
| 347.496 | 683.502 | 738.499 | 0.364 |
| 502.180 | 1463.054 | 0.998 | 14.682 |
| 10/16/2016 2:00:00 AM | 273600.000 | 150.507 | 21.100 |
| 347.515 | 684.122 | 739.185 | 0.365 |
| 502.646 | 1461.728 | 0.998 | 14.686 |
| 10/16/2016 2:15:00 AM | 274500.000 | 150.478 | 21.091 |
| 347.450 | 683.710 | 738.879 | 0.365 |
| 502.437 | 1462.609 | 0.998 | 14.684 |
| 10/16/2016 2:30:00 AM | 275400.000 | 150.511 | 21.101 |
| 347.525 | 684.511 | 739.582 | 0.365 |
| 502.916 | 1460.897 | 0.998 | 14.682 |
| 10/16/2016 2:45:00 AM | 276300.000 | 150.511 | 21.091 |
| 347.525 | 685.503 | 740.821 | 0.366 |
| 503.758 | 1458.782 | 0.998 | 14.684 |
| 10/16/2016 3:00:00 AM | 277200.000 | 150.517 | 21.107 |
| 347.539 | 685.896 | 740.991 | 0.366 |
| 503.874 | 1457.948 | 0.998 | 14.678 |
| 10/16/2016 3:15:00 AM | 278100.000 | 150.520 | 21.111 |
| 347.546 | 686.744 | 741.843 | 0.366 |
| 504.453 | 1456.148 | 0.998 | 14.681 |
| 10/16/2016 3:30:00 AM | 279000.000 | 150.535 | 21.106 |
| 347.581 | 685.687 | 740.780 | 0.366 |
| 503.730 | 1458.392 | 0.998 | 14.673 |
| 10/16/2016 3:45:00 AM | 279900.000 | 150.538 | 21.110 |
| 347.588 | 685.822 | 740.873 | 0.366 |
| 503.793 | 1458.104 | 0.998 | 14.673 |
| 10/16/2016 4:00:00 AM | 280800.000 | 150.500 | 21.109 |
| 347.500 | 685.507 | 740.543 | 0.366 |
| 503.569 | 1458.774 | 0.998 | 14.674 |
| 10/16/2016 4:15:00 AM | 281700.000 | 150.530 | 21.103 |
| 347.569 | 685.125 | 740.218 | 0.365 |
| 503.348 | 1459.589 | 0.998 | 14.674 |
| 10/16/2016 4:30:00 AM | 282600.000 | 150.537 | 21.100 |
| 347.586 | 685.253 | 740.399 | 0.365 |
| 503.471 | 1459.316 | 0.998 | 14.668 |
| 10/16/2016 4:45:00 AM | 283500.000 | 150.545 | 21.110 |
| 347.604 | 685.258 | 740.266 | 0.365 |
| 503.381 | 1459.304 | 0.998 | 14.672 |
| 10/16/2016 5:00:00 AM | 284400.000 | 150.547 | 21.110 |
| 347.607 | 684.605 | 739.558 | 0.365 |

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| 502.900 | 1460.696 | 0.998 | 14.672 |
| 10/16/2016 5:15:00 AM | 285300.000 | 150.546 | 21.112 |
| 347.605 | 684.186 | 739.076 | 0.365 |
| 502.572 | 1461.590 | 0.998 | 14.673 |
| 10/16/2016 5:30:00 AM | 286200.000 | 150.546 | 21.115 |
| 347.607 | 683.652 | 738.445 | 0.364 |
| 502.142 | 1462.732 | 0.998 | 14.669 |
| 10/16/2016 5:45:00 AM | 287100.000 | 150.531 | 21.105 |
| 347.571 | 683.011 | 737.913 | 0.364 |
| 501.781 | 1464.106 | 0.998 | 14.677 |
| 10/16/2016 6:00:00 AM | 288000.000 | 150.552 | 21.109 |
| 347.619 | 682.851 | 737.668 | 0.364 |
| 501.615 | 1464.448 | 0.998 | 14.669 |
| 10/16/2016 6:15:00 AM | 288900.000 | 150.546 | 21.103 |
| 347.606 | 682.166 | 737.020 | 0.364 |
| 501.173 | 1465.920 | 0.998 | 14.668 |
| 10/16/2016 6:30:00 AM | 289800.000 | 150.548 | 21.100 |
| 347.610 | 682.097 | 736.993 | 0.364 |
| 501.156 | 1466.067 | 0.998 | 14.668 |
| 10/16/2016 6:45:00 AM | 290700.000 | 150.513 | 21.102 |
| 347.530 | 683.485 | 738.463 | 0.364 |
| 502.155 | 1463.090 | 0.998 | 14.675 |
| 10/16/2016 7:00:00 AM | 291600.000 | 150.548 | 21.101 |
| 347.611 | 682.876 | 737.823 | 0.364 |
| 501.720 | 1464.395 | 0.998 | 14.667 |
| 10/16/2016 7:15:00 AM | 292500.000 | 150.560 | 21.104 |
| 347.639 | 684.149 | 739.159 | 0.365 |
| 502.628 | 1461.670 | 0.998 | 14.671 |
| 10/16/2016 7:30:00 AM | 293400.000 | 150.567 | 21.100 |
| 347.654 | 684.350 | 739.431 | 0.365 |
| 502.813 | 1461.240 | 0.998 | 14.669 |
| 10/16/2016 7:45:00 AM | 294300.000 | 150.565 | 21.107 |
| 347.650 | 684.420 | 739.405 | 0.365 |
| 502.795 | 1461.091 | 0.998 | 14.666 |
| 10/16/2016 8:00:00 AM | 295200.000 | 150.571 | 21.101 |
| 347.663 | 684.675 | 739.760 | 0.365 |
| 503.037 | 1460.547 | 0.998 | 14.662 |
| 10/16/2016 8:15:00 AM | 296100.000 | 150.575 | 21.105 |
| 347.674 | 685.335 | 740.411 | 0.365 |
| 503.479 | 1459.140 | 0.998 | 14.661 |
| 10/16/2016 8:30:00 AM | 297000.000 | 150.575 | 21.107 |
| 347.672 | 684.219 | 739.184 | 0.365 |
| 502.645 | 1461.519 | 0.998 | 14.667 |
| 10/16/2016 8:45:00 AM | 297900.000 | 150.577 | 21.110 |
| 347.677 | 683.743 | 738.621 | 0.365 |
| 502.263 | 1462.538 | 0.998 | 14.668 |
| 10/16/2016 9:00:00 AM | 298800.000 | 150.585 | 21.104 |
| 347.697 | 683.635 | 738.594 | 0.365 |
| 502.244 | 1462.768 | 0.998 | 14.662 |
| 10/16/2016 9:15:00 AM | 299700.000 | 150.588 | 21.100 |
| 347.704 | 683.430 | 738.436 | 0.364 |
| 502.137 | 1463.208 | 0.998 | 14.661 |
| 10/16/2016 9:30:00 AM | 300600.000 | 150.588 | 21.103 |
| 347.703 | 683.679 | 738.655 | 0.365 |
| 502.286 | 1462.674 | 0.998 | 14.664 |

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| 10/16/2016 9:45:00 AM | 301500.000 | 150.590 | 21.104 |
| 347.708 | 683.987 | 738.983 | 0.365 |
| 502.509 | 1462.017 | 0.998 | 14.663 |
| 10/16/2016 10:00:00 AM | 302400.000 | 150.602 | 21.107 |
| 347.735 | 684.284 | 739.258 | 0.365 |
| 502.695 | 1461.382 | 0.998 | 14.664 |
| 10/16/2016 10:15:00 AM | 303300.000 | 150.590 | 21.109 |
| 347.707 | 684.036 | 738.949 | 0.365 |
| 502.485 | 1461.911 | 0.998 | 14.665 |
| 10/16/2016 10:30:00 AM | 304200.000 | 150.615 | 21.104 |
| 347.764 | 683.964 | 738.947 | 0.365 |
| 502.484 | 1462.064 | 0.998 | 14.660 |
| 10/16/2016 10:45:00 AM | 305100.000 | 150.609 | 21.101 |
| 347.752 | 683.822 | 738.846 | 0.365 |
| 502.416 | 1462.370 | 0.998 | 14.659 |
| 10/16/2016 11:00:00 AM | 306000.000 | 150.615 | 21.105 |
| 347.764 | 685.291 | 740.372 | 0.365 |
| 503.453 | 1459.235 | 0.998 | 14.660 |
| 10/16/2016 11:15:00 AM | 306900.000 | 150.616 | 21.108 |
| 347.768 | 685.177 | 740.194 | 0.365 |
| 503.332 | 1459.477 | 0.998 | 14.658 |
| 10/16/2016 11:30:00 AM | 307800.000 | 150.616 | 21.106 |
| 347.768 | 684.701 | 739.715 | 0.365 |
| 503.006 | 1460.492 | 0.998 | 14.658 |
| 10/16/2016 11:45:00 AM | 308700.000 | 150.622 | 21.114 |
| 347.781 | 683.826 | 738.649 | 0.365 |
| 502.282 | 1462.361 | 0.998 | 14.659 |
| 10/16/2016 12:00:00 PM | 309600.000 | 150.640 | 21.114 |
| 347.824 | 682.986 | 737.745 | 0.364 |
| 501.667 | 1464.158 | 0.998 | 14.652 |
| 10/16/2016 12:15:00 PM | 310500.000 | 150.642 | 21.111 |
| 347.827 | 682.089 | 736.825 | 0.364 |
| 501.041 | 1466.085 | 0.998 | 14.647 |
| 10/16/2016 12:30:00 PM | 311400.000 | 150.641 | 21.107 |
| 347.825 | 682.105 | 736.891 | 0.364 |
| 501.086 | 1466.051 | 0.998 | 14.652 |
| 10/16/2016 12:45:00 PM | 312300.000 | 150.643 | 21.115 |
| 347.829 | 682.374 | 737.068 | 0.364 |
| 501.206 | 1465.472 | 0.998 | 14.653 |
| 10/16/2016 1:00:00 PM | 313200.000 | 150.641 | 21.110 |
| 347.826 | 682.834 | 737.634 | 0.364 |
| 501.591 | 1464.485 | 0.998 | 14.652 |
| 10/16/2016 1:15:00 PM | 314100.000 | 150.648 | 21.116 |
| 347.842 | 682.400 | 737.082 | 0.364 |
| 501.216 | 1465.415 | 0.998 | 14.645 |
| 10/16/2016 1:30:00 PM | 315000.000 | 150.639 | 21.115 |
| 347.821 | 682.520 | 737.224 | 0.364 |
| 501.312 | 1465.159 | 0.998 | 14.654 |
| 10/16/2016 1:45:00 PM | 315900.000 | 150.662 | 21.115 |
| 347.874 | 681.794 | 736.441 | 0.363 |
| 500.780 | 1466.720 | 0.998 | 14.641 |
| 10/16/2016 2:00:00 PM | 316800.000 | 150.666 | 21.114 |
| 347.882 | 681.404 | 736.030 | 0.363 |
| 500.500 | 1467.558 | 0.998 | 14.636 |
| 10/16/2016 2:15:00 PM | 317700.000 | 150.668 | 21.105 |

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| 347.887 | 681.265 | 736.027 | 0.363 |
| 500.498 | 1467.857 | 0.998 | 14.632 |
| 10/16/2016 2:30:00 PM | 318600.000 | 150.672 | 21.113 |
| 347.898 | 680.947 | 735.556 | 0.363 |
| 500.178 | 1468.544 | 0.998 | 14.630 |
| 10/16/2016 2:45:00 PM | 319500.000 | 150.672 | 21.110 |
| 347.897 | 680.676 | 735.312 | 0.363 |
| 500.012 | 1469.128 | 0.998 | 14.636 |
| 10/16/2016 3:00:00 PM | 320400.000 | 150.669 | 21.115 |
| 347.890 | 680.158 | 734.671 | 0.363 |
| 499.577 | 1470.247 | 0.998 | 14.631 |
| 10/16/2016 3:15:00 PM | 321300.000 | 150.669 | 21.106 |
| 347.891 | 680.146 | 734.797 | 0.363 |
| 499.662 | 1470.272 | 0.998 | 14.638 |
| 10/16/2016 3:30:00 PM | 322200.000 | 150.676 | 21.103 |
| 347.905 | 680.912 | 735.666 | 0.363 |
| 500.253 | 1468.618 | 0.998 | 14.633 |
| 10/16/2016 3:45:00 PM | 323100.000 | 150.696 | 21.114 |
| 347.953 | 681.317 | 735.938 | 0.363 |
| 500.438 | 1467.746 | 0.998 | 14.635 |
| 10/16/2016 4:00:00 PM | 324000.000 | 150.688 | 21.109 |
| 347.934 | 681.828 | 736.570 | 0.363 |
| 500.868 | 1466.645 | 0.998 | 14.631 |
| 10/16/2016 4:15:00 PM | 324900.000 | 150.690 | 21.110 |
| 347.938 | 682.122 | 736.876 | 0.364 |
| 501.076 | 1466.013 | 0.998 | 14.635 |
| 10/16/2016 4:30:00 PM | 325800.000 | 150.680 | 21.108 |
| 347.916 | 682.262 | 737.047 | 0.364 |
| 501.192 | 1465.712 | 0.998 | 14.639 |
| 10/16/2016 4:45:00 PM | 326700.000 | 150.691 | 21.103 |
| 347.942 | 682.414 | 737.300 | 0.364 |
| 501.364 | 1465.386 | 0.998 | 14.639 |
| 10/16/2016 5:00:00 PM | 327600.000 | 150.685 | 21.109 |
| 347.928 | 682.790 | 737.610 | 0.364 |
| 501.575 | 1464.578 | 0.998 | 14.639 |
| 10/16/2016 5:15:00 PM | 328500.000 | 150.677 | 21.107 |
| 347.910 | 682.919 | 737.777 | 0.364 |
| 501.688 | 1464.301 | 0.998 | 14.644 |
| 10/16/2016 5:30:00 PM | 329400.000 | 150.672 | 21.103 |
| 347.897 | 682.518 | 737.399 | 0.364 |
| 501.431 | 1465.164 | 0.998 | 14.652 |
| 10/16/2016 5:45:00 PM | 330300.000 | 150.671 | 21.111 |
| 347.894 | 683.141 | 737.961 | 0.364 |
| 501.813 | 1463.826 | 0.998 | 14.652 |
| 10/16/2016 6:00:00 PM | 331200.000 | 150.684 | 21.107 |
| 347.925 | 683.146 | 738.027 | 0.364 |
| 501.858 | 1463.816 | 0.998 | 14.649 |
| 10/16/2016 6:15:00 PM | 332100.000 | 150.680 | 21.104 |
| 347.916 | 682.569 | 737.452 | 0.364 |
| 501.467 | 1465.052 | 0.998 | 14.653 |
| 10/16/2016 6:30:00 PM | 333000.000 | 150.679 | 21.106 |
| 347.914 | 682.928 | 737.795 | 0.364 |
| 501.701 | 1464.283 | 0.998 | 14.652 |
| 10/16/2016 6:45:00 PM | 333900.000 | 150.672 | 21.106 |
| 347.896 | 682.761 | 737.624 | 0.364 |

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| 501.584 | 1464.642 | 0.998 | 14.654 |
| 10/16/2016 7:00:00 PM | 334800.000 | 150.673 | 21.108 |
| 347.899 | 682.791 | 737.631 | 0.364 |
| 501.589 | 1464.578 | 0.998 | 14.657 |
| 10/16/2016 7:15:00 PM | 335700.000 | 150.673 | 21.111 |
| 347.899 | 682.601 | 737.369 | 0.364 |
| 501.411 | 1464.985 | 0.998 | 14.651 |
| 10/16/2016 7:30:00 PM | 336600.000 | 150.674 | 21.109 |
| 347.901 | 682.294 | 737.076 | 0.364 |
| 501.212 | 1465.643 | 0.998 | 14.656 |
| 10/16/2016 7:45:00 PM | 337500.000 | 150.653 | 21.103 |
| 347.854 | 681.612 | 736.419 | 0.363 |
| 500.765 | 1467.109 | 0.998 | 14.665 |
| 10/16/2016 8:00:00 PM | 338400.000 | 150.664 | 21.103 |
| 347.878 | 682.730 | 737.627 | 0.364 |
| 501.586 | 1464.708 | 0.998 | 14.652 |
| 10/16/2016 8:15:00 PM | 339300.000 | 150.635 | 21.106 |
| 347.812 | 683.364 | 738.274 | 0.364 |
| 502.026 | 1463.350 | 0.998 | 14.650 |
| 10/16/2016 8:30:00 PM | 340200.000 | 150.625 | 21.108 |
| 347.788 | 683.403 | 738.293 | 0.364 |
| 502.039 | 1463.265 | 0.998 | 14.661 |
| 10/16/2016 8:45:00 PM | 341100.000 | 150.666 | 21.103 |
| 347.884 | 683.545 | 738.518 | 0.364 |
| 502.192 | 1462.961 | 0.998 | 14.659 |
| 10/16/2016 9:00:00 PM | 342000.000 | 150.674 | 21.110 |
| 347.902 | 683.637 | 738.513 | 0.364 |
| 502.189 | 1462.765 | 0.998 | 14.661 |
| 10/16/2016 9:15:00 PM | 342900.000 | 150.661 | 21.100 |
| 347.871 | 683.271 | 738.258 | 0.364 |
| 502.015 | 1463.548 | 0.998 | 14.658 |
| 10/16/2016 9:30:00 PM | 343800.000 | 150.652 | 21.106 |
| 347.851 | 683.259 | 738.157 | 0.364 |
| 501.947 | 1463.574 | 0.998 | 14.662 |
| 10/16/2016 9:45:00 PM | 344700.000 | 150.657 | 21.108 |
| 347.862 | 683.375 | 738.260 | 0.364 |
| 502.017 | 1463.325 | 0.998 | 14.667 |
| 10/16/2016 10:00:00 PM | 345600.000 | 150.626 | 21.098 |
| 347.791 | 682.982 | 737.990 | 0.364 |
| 501.833 | 1464.168 | 0.998 | 14.672 |
| 10/16/2016 10:15:00 PM | 346500.000 | 150.652 | 21.108 |
| 347.851 | 683.034 | 737.894 | 0.364 |
| 501.768 | 1464.055 | 0.998 | 14.672 |
| 10/16/2016 10:30:00 PM | 347400.000 | 150.680 | 21.104 |
| 347.916 | 683.185 | 738.111 | 0.364 |
| 501.915 | 1463.732 | 0.998 | 14.664 |
| 10/16/2016 10:45:00 PM | 348300.000 | 150.661 | 21.108 |
| 347.872 | 683.732 | 738.640 | 0.365 |
| 502.275 | 1462.561 | 0.998 | 14.674 |
| 10/16/2016 11:00:00 PM | 349200.000 | 150.674 | 21.106 |
| 347.902 | 683.462 | 738.386 | 0.364 |
| 502.103 | 1463.138 | 0.998 | 14.677 |
| 10/16/2016 11:15:00 PM | 350100.000 | 150.666 | 21.108 |
| 347.882 | 683.906 | 738.834 | 0.365 |
| 502.407 | 1462.189 | 0.998 | 14.677 |

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| 10/16/2016 11:30:00 PM | 351000.000 | 150.633 | 21.103 |
| 347.806 | 684.632 | 739.684 | 0.365 |
| 502.985 | 1460.638 | 0.998 | 14.682 |
| 10/16/2016 11:45:00 PM | 351900.000 | 150.678 | 21.106 |
| 347.911 | 684.603 | 739.610 | 0.365 |
| 502.935 | 1460.701 | 0.998 | 14.678 |
| 10/17/2016 12:00:00 AM | 352800.000 | 150.663 | 21.097 |
| 347.875 | 684.344 | 739.465 | 0.365 |
| 502.837 | 1461.253 | 0.998 | 14.680 |
| 10/17/2016 12:15:00 AM | 353700.000 | 150.691 | 21.093 |
| 347.941 | 684.341 | 739.526 | 0.365 |
| 502.878 | 1461.260 | 0.998 | 14.676 |
| 10/17/2016 12:30:00 AM | 354600.000 | 150.640 | 21.109 |
| 347.824 | 684.768 | 739.748 | 0.365 |
| 503.029 | 1460.349 | 0.998 | 14.687 |
| 10/17/2016 12:45:00 AM | 355500.000 | 150.682 | 21.109 |
| 347.920 | 685.397 | 740.419 | 0.365 |
| 503.485 | 1459.009 | 0.998 | 14.689 |
| 10/17/2016 1:00:00 AM | 356400.000 | 150.675 | 21.112 |
| 347.905 | 684.990 | 739.939 | 0.365 |
| 503.159 | 1459.876 | 0.998 | 14.700 |
| 10/17/2016 1:15:00 AM | 357300.000 | 150.694 | 21.094 |
| 347.948 | 683.972 | 739.112 | 0.365 |
| 502.596 | 1462.049 | 0.998 | 14.699 |
| 10/17/2016 1:30:00 AM | 358200.000 | 150.687 | 21.108 |
| 347.933 | 683.984 | 738.907 | 0.365 |
| 502.457 | 1462.022 | 0.998 | 14.701 |
| 10/17/2016 1:45:00 AM | 359100.000 | 150.701 | 21.108 |
| 347.963 | 683.672 | 738.574 | 0.365 |
| 502.231 | 1462.689 | 0.998 | 14.700 |
| 10/17/2016 2:00:00 AM | 360000.000 | 150.657 | 21.097 |
| 347.863 | 683.409 | 738.459 | 0.364 |
| 502.152 | 1463.253 | 0.998 | 14.707 |
| 10/17/2016 2:15:00 AM | 360900.000 | 150.701 | 21.101 |
| 347.965 | 683.830 | 738.850 | 0.365 |
| 502.418 | 1462.351 | 0.998 | 14.703 |
| 10/17/2016 2:30:00 AM | 361800.000 | 150.667 | 21.105 |
| 347.885 | 684.823 | 739.870 | 0.365 |
| 503.112 | 1460.232 | 0.998 | 14.709 |
| 10/17/2016 2:45:00 AM | 362700.000 | 150.703 | 21.110 |
| 347.968 | 684.624 | 739.573 | 0.365 |
| 502.910 | 1460.656 | 0.998 | 14.707 |
| 10/17/2016 3:00:00 AM | 363600.000 | 150.710 | 21.104 |
| 347.984 | 684.229 | 739.240 | 0.365 |
| 502.683 | 1461.499 | 0.998 | 14.709 |
| 10/17/2016 3:15:00 AM | 364500.000 | 150.713 | 21.113 |
| 347.991 | 684.215 | 739.085 | 0.365 |
| 502.577 | 1461.529 | 0.998 | 14.705 |
| 10/17/2016 3:30:00 AM | 365400.000 | 150.711 | 21.112 |
| 347.987 | 683.753 | 738.598 | 0.365 |
| 502.247 | 1462.517 | 0.998 | 14.710 |
| 10/17/2016 3:45:00 AM | 366300.000 | 150.676 | 21.115 |
| 347.905 | 683.311 | 738.085 | 0.364 |
| 501.898 | 1463.462 | 0.998 | 14.709 |
| 10/17/2016 4:00:00 AM | 367200.000 | 150.725 | 21.108 |

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| 348.020 | 682.855 | 737.697 | 0.364 |
| 501.634 | 1464.439 | 0.998 | 14.709 |
| 10/17/2016 4:15:00 AM | 368100.000 | 150.712 | 21.114 |
| 347.989 | 682.879 | 737.634 | 0.364 |
| 501.591 | 1464.388 | 0.998 | 14.714 |
| 10/17/2016 4:30:00 AM | 369000.000 | 150.725 | 21.109 |
| 348.019 | 682.184 | 736.952 | 0.364 |
| 501.127 | 1465.880 | 0.998 | 14.713 |
| 10/17/2016 4:45:00 AM | 369900.000 | 150.726 | 21.107 |
| 348.022 | 681.925 | 736.706 | 0.364 |
| 500.960 | 1466.436 | 0.998 | 14.708 |
| 10/17/2016 5:00:00 AM | 370800.000 | 150.726 | 21.103 |
| 348.021 | 682.306 | 737.179 | 0.364 |
| 501.282 | 1465.618 | 0.998 | 14.721 |
| 10/17/2016 5:15:00 AM | 371700.000 | 150.728 | 21.108 |
| 348.027 | 682.352 | 737.146 | 0.364 |
| 501.260 | 1465.520 | 0.998 | 14.716 |
| 10/17/2016 5:30:00 AM | 372600.000 | 150.719 | 21.099 |
| 348.007 | 683.274 | 738.287 | 0.364 |
| 502.035 | 1463.541 | 0.998 | 14.724 |
| 10/17/2016 5:45:00 AM | 373500.000 | 150.687 | 21.114 |
| 347.932 | 683.614 | 738.422 | 0.364 |
| 502.127 | 1462.814 | 0.998 | 14.729 |
| 10/17/2016 6:00:00 AM | 374400.000 | 150.732 | 21.105 |
| 348.036 | 683.352 | 738.278 | 0.364 |
| 502.029 | 1463.374 | 0.998 | 14.726 |
| 10/17/2016 6:15:00 AM | 375300.000 | 150.733 | 21.107 |
| 348.037 | 683.383 | 738.281 | 0.364 |
| 502.031 | 1463.307 | 0.998 | 14.728 |
| 10/17/2016 6:30:00 AM | 376200.000 | 150.724 | 21.105 |
| 348.017 | 683.764 | 738.716 | 0.365 |
| 502.327 | 1462.494 | 0.998 | 14.729 |
| 10/17/2016 6:45:00 AM | 377100.000 | 150.691 | 21.108 |
| 347.940 | 683.601 | 738.501 | 0.364 |
| 502.181 | 1462.842 | 0.998 | 14.737 |
| 10/17/2016 7:00:00 AM | 378000.000 | 150.735 | 21.111 |
| 348.043 | 683.781 | 738.653 | 0.365 |
| 502.284 | 1462.457 | 0.998 | 14.731 |
| 10/17/2016 7:15:00 AM | 378900.000 | 150.729 | 21.112 |
| 348.029 | 682.818 | 737.589 | 0.364 |
| 501.561 | 1464.518 | 0.998 | 14.740 |
| 10/17/2016 7:30:00 AM | 379800.000 | 150.737 | 21.111 |
| 348.048 | 682.506 | 737.273 | 0.364 |
| 501.346 | 1465.189 | 0.998 | 14.736 |
| 10/17/2016 7:45:00 AM | 380700.000 | 150.731 | 21.107 |
| 348.033 | 682.703 | 737.541 | 0.364 |
| 501.528 | 1464.766 | 0.998 | 14.740 |
| 10/17/2016 8:00:00 AM | 381600.000 | 150.735 | 21.104 |
| 348.042 | 683.004 | 737.910 | 0.364 |
| 501.779 | 1464.119 | 0.998 | 14.745 |
| 10/17/2016 8:15:00 AM | 382500.000 | 150.738 | 21.096 |
| 348.050 | 683.571 | 738.649 | 0.365 |
| 502.281 | 1462.906 | 0.998 | 14.748 |
| 10/17/2016 8:30:00 AM | 383400.000 | 150.737 | 21.107 |
| 348.047 | 684.582 | 739.569 | 0.365 |

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|---|---|---|---|
| 502.907 | 1460.745 | 0.998 | 14.750 |
| 10/17/2016 8:45:00 AM | 384300.000 | 150.736 | 21.101 |
| 348.045 | 684.253 | 739.303 | 0.365 |
| 502.726 | 1461.447 | 0.998 | 14.755 |
| 10/17/2016 9:00:00 AM | 385200.000 | 150.744 | 21.109 |
| 348.063 | 684.431 | 739.382 | 0.365 |
| 502.780 | 1461.067 | 0.998 | 14.757 |
| 10/17/2016 9:15:00 AM | 386100.000 | 150.745 | 21.103 |
| 348.066 | 684.099 | 739.117 | 0.365 |
| 502.600 | 1461.776 | 0.998 | 14.759 |
| 10/17/2016 9:30:00 AM | 387000.000 | 150.749 | 21.104 |
| 348.074 | 683.403 | 738.345 | 0.364 |
| 502.075 | 1463.265 | 0.998 | 14.755 |
| 10/17/2016 9:45:00 AM | 387900.000 | 150.746 | 21.105 |
| 348.068 | 683.101 | 737.998 | 0.364 |
| 501.839 | 1463.913 | 0.998 | 14.759 |
| 10/17/2016 10:00:00 AM | 388800.000 | 150.752 | 21.117 |
| 348.082 | 683.899 | 738.678 | 0.365 |
| 502.301 | 1462.204 | 0.998 | 14.758 |
| 10/17/2016 10:15:00 AM | 389700.000 | 150.753 | 21.104 |
| 348.084 | 683.195 | 738.114 | 0.364 |
| 501.918 | 1463.712 | 0.998 | 14.760 |
| 10/17/2016 10:30:00 AM | 390600.000 | 150.763 | 21.106 |
| 348.108 | 682.934 | 737.808 | 0.364 |
| 501.710 | 1464.271 | 0.998 | 14.761 |
| 10/17/2016 10:45:00 AM | 391500.000 | 150.757 | 21.109 |
| 348.093 | 683.452 | 738.330 | 0.364 |
| 502.064 | 1463.160 | 0.998 | 14.766 |
| 10/17/2016 11:00:00 AM | 392400.000 | 150.777 | 21.107 |
| 348.139 | 683.421 | 738.321 | 0.364 |
| 502.059 | 1463.227 | 0.998 | 14.757 |
| 10/17/2016 11:15:00 AM | 393300.000 | 150.776 | 21.113 |
| 348.136 | 683.639 | 738.468 | 0.364 |
| 502.158 | 1462.760 | 0.998 | 14.766 |
| 10/17/2016 11:30:00 AM | 394200.000 | 150.774 | 21.106 |
| 348.133 | 684.393 | 739.392 | 0.365 |
| 502.786 | 1461.149 | 0.998 | 14.767 |
| 10/17/2016 11:45:00 AM | 395100.000 | 150.785 | 21.105 |
| 348.158 | 685.126 | 740.194 | 0.365 |
| 503.332 | 1459.585 | 0.998 | 14.757 |
| 10/17/2016 12:00:00 PM | 396000.000 | 150.772 | 21.110 |
| 348.128 | 686.392 | 741.484 | 0.366 |
| 504.209 | 1456.894 | 0.998 | 14.766 |
| 10/17/2016 12:15:00 PM | 396900.000 | 150.782 | 21.110 |
| 348.150 | 685.827 | 740.880 | 0.366 |
| 503.799 | 1458.094 | 0.998 | 14.760 |
| 10/17/2016 12:30:00 PM | 397800.000 | 150.803 | 21.107 |
| 348.201 | 684.913 | 739.935 | 0.365 |
| 503.156 | 1460.040 | 0.998 | 14.761 |
| 10/17/2016 12:45:00 PM | 398700.000 | 150.795 | 21.108 |
| 348.182 | 684.333 | 739.297 | 0.365 |
| 502.722 | 1461.277 | 0.998 | 14.765 |
| 10/17/2016 1:00:00 PM | 399600.000 | 150.805 | 21.114 |
| 348.204 | 684.225 | 739.089 | 0.365 |
| 502.580 | 1461.508 | 0.998 | 14.761 |

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|---|---|---|---|
| 10/17/2016 1:15:00 PM | 400500.000 | 150.809 | 21.109 |
| 348.214 | 684.012 | 738.930 | 0.365 |
| 502.473 | 1461.963 | 0.998 | 14.760 |
| 10/17/2016 1:30:00 PM | 401400.000 | 150.809 | 21.112 |
| 348.214 | 684.505 | 739.422 | 0.365 |
| 502.807 | 1460.911 | 0.998 | 14.755 |
| 10/17/2016 1:45:00 PM | 402300.000 | 150.770 | 21.117 |
| 348.123 | 684.370 | 739.197 | 0.365 |
| 502.654 | 1461.198 | 0.998 | 14.753 |
| 10/17/2016 2:00:00 PM | 403200.000 | 150.829 | 21.113 |
| 348.259 | 683.599 | 738.415 | 0.364 |
| 502.122 | 1462.845 | 0.998 | 14.751 |
| 10/17/2016 2:15:00 PM | 404100.000 | 150.809 | 21.101 |
| 348.214 | 683.702 | 738.712 | 0.365 |
| 502.324 | 1462.625 | 0.998 | 14.756 |
| 10/17/2016 2:30:00 PM | 405000.000 | 150.825 | 21.114 |
| 348.251 | 683.768 | 738.581 | 0.365 |
| 502.235 | 1462.485 | 0.998 | 14.755 |
| 10/17/2016 2:45:00 PM | 405900.000 | 150.827 | 21.105 |
| 348.254 | 683.023 | 737.927 | 0.364 |
| 501.791 | 1464.079 | 0.998 | 14.756 |
| 10/17/2016 3:00:00 PM | 406800.000 | 150.830 | 21.109 |
| 348.261 | 682.711 | 737.522 | 0.364 |
| 501.515 | 1464.750 | 0.998 | 14.748 |
| 10/17/2016 3:15:00 PM | 407700.000 | 150.804 | 21.103 |
| 348.203 | 683.162 | 738.098 | 0.364 |
| 501.907 | 1463.781 | 0.998 | 14.750 |
| 10/17/2016 3:30:00 PM | 408600.000 | 150.849 | 21.103 |
| 348.305 | 682.948 | 737.877 | 0.364 |
| 501.756 | 1464.241 | 0.998 | 14.744 |
| 10/17/2016 3:45:00 PM | 409500.000 | 150.826 | 21.097 |
| 348.252 | 683.363 | 738.406 | 0.364 |
| 502.116 | 1463.350 | 0.998 | 14.754 |
| 10/17/2016 4:00:00 PM | 410400.000 | 150.836 | 21.109 |
| 348.275 | 683.619 | 738.498 | 0.364 |
| 502.178 | 1462.804 | 0.998 | 14.747 |
| 10/17/2016 4:15:00 PM | 411300.000 | 150.825 | 21.113 |
| 348.251 | 683.810 | 738.655 | 0.365 |
| 502.285 | 1462.395 | 0.998 | 14.755 |
| 10/17/2016 4:30:00 PM | 412200.000 | 150.839 | 21.113 |
| 348.283 | 683.662 | 738.491 | 0.364 |
| 502.174 | 1462.711 | 0.998 | 14.747 |
| 10/17/2016 4:45:00 PM | 413100.000 | 150.841 | 21.094 |
| 348.288 | 683.039 | 738.105 | 0.364 |
| 501.911 | 1464.045 | 0.998 | 14.747 |
| 10/17/2016 5:00:00 PM | 414000.000 | 150.844 | 21.112 |
| 348.295 | 683.145 | 737.946 | 0.364 |
| 501.803 | 1463.818 | 0.998 | 14.746 |
| 10/17/2016 5:15:00 PM | 414900.000 | 150.836 | 21.099 |
| 348.276 | 682.745 | 737.711 | 0.364 |
| 501.644 | 1464.675 | 0.998 | 14.747 |
| 10/17/2016 5:30:00 PM | 415800.000 | 150.845 | 21.107 |
| 348.296 | 682.481 | 737.304 | 0.364 |
| 501.366 | 1465.241 | 0.998 | 14.742 |
| 10/17/2016 5:45:00 PM | 416700.000 | 150.842 | 21.103 |

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|---|---|---|---|
| 348.289 | 682.098 | 736.949 | 0.364 |
| 501.125 | 1466.066 | 0.998 | 14.744 |
| 10/17/2016 6:00:00 PM | 417600.000 | 150.845 | 21.108 |
| 348.297 | 682.204 | 736.990 | 0.364 |
| 501.153 | 1465.836 | 0.998 | 14.743 |
| 10/17/2016 6:15:00 PM | 418500.000 | 150.841 | 21.109 |
| 348.286 | 683.236 | 738.096 | 0.364 |
| 501.905 | 1463.623 | 0.998 | 14.746 |
| 10/17/2016 6:30:00 PM | 419400.000 | 150.838 | 21.110 |
| 348.280 | 683.189 | 738.028 | 0.364 |
| 501.859 | 1463.724 | 0.998 | 14.742 |
| 10/17/2016 6:45:00 PM | 420300.000 | 150.836 | 21.109 |
| 348.276 | 682.699 | 737.512 | 0.364 |
| 501.508 | 1464.775 | 0.998 | 14.744 |
| 10/17/2016 7:00:00 PM | 421200.000 | 150.834 | 21.104 |
| 348.272 | 683.749 | 738.721 | 0.365 |
| 502.330 | 1462.526 | 0.998 | 14.742 |
| 10/17/2016 7:15:00 PM | 422100.000 | 150.826 | 21.110 |
| 348.253 | 684.375 | 739.301 | 0.365 |
| 502.725 | 1461.188 | 0.998 | 14.747 |
| 10/17/2016 7:30:00 PM | 423000.000 | 150.830 | 21.098 |
| 348.263 | 683.575 | 738.629 | 0.365 |
| 502.268 | 1462.896 | 0.998 | 14.750 |
| 10/17/2016 7:45:00 PM | 423900.000 | 150.827 | 21.098 |
| 348.256 | 683.328 | 738.357 | 0.364 |
| 502.083 | 1463.425 | 0.998 | 14.753 |
| 10/17/2016 8:00:00 PM | 424800.000 | 150.790 | 21.107 |
| 348.170 | 683.962 | 738.898 | 0.365 |
| 502.451 | 1462.069 | 0.998 | 14.756 |
| 10/17/2016 8:15:00 PM | 425700.000 | 150.791 | 21.101 |
| 348.172 | 684.632 | 739.720 | 0.365 |
| 503.010 | 1460.640 | 0.998 | 14.755 |
| 10/17/2016 8:30:00 PM | 426600.000 | 150.800 | 21.095 |
| 348.194 | 685.140 | 740.354 | 0.365 |
| 503.441 | 1459.555 | 0.998 | 14.749 |
| 10/17/2016 8:45:00 PM | 427500.000 | 150.824 | 21.094 |
| 348.248 | 686.155 | 741.480 | 0.366 |
| 504.207 | 1457.396 | 0.998 | 14.762 |
| 10/17/2016 9:00:00 PM | 428400.000 | 150.816 | 21.112 |
| 348.230 | 686.785 | 741.879 | 0.366 |
| 504.478 | 1456.060 | 0.998 | 14.761 |
| 10/17/2016 9:15:00 PM | 429300.000 | 150.818 | 21.113 |
| 348.235 | 686.841 | 741.918 | 0.366 |
| 504.505 | 1455.941 | 0.998 | 14.761 |
| 10/17/2016 9:30:00 PM | 430200.000 | 150.801 | 21.107 |
| 348.194 | 686.221 | 741.347 | 0.366 |
| 504.116 | 1457.257 | 0.998 | 14.764 |
| 10/17/2016 9:45:00 PM | 431100.000 | 150.775 | 21.118 |
| 348.134 | 685.621 | 740.523 | 0.366 |
| 503.556 | 1458.531 | 0.998 | 14.758 |
| 10/17/2016 10:00:00 PM | 432000.000 | 150.815 | 21.115 |
| 348.227 | 684.945 | 739.837 | 0.365 |
| 503.089 | 1459.972 | 0.998 | 14.763 |
| 10/17/2016 10:15:00 PM | 432900.000 | 150.807 | 21.114 |
| 348.208 | 684.260 | 739.122 | 0.365 |

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|---|---|---|---|
| 502.603 | 1461.432 | 0.998 | 14.766 |
| 10/17/2016 10:30:00 PM | 433800.000 | 150.807 | 21.110 |
| 348.210 | 684.670 | 739.627 | 0.365 |
| 502.946 | 1460.557 | 0.998 | 14.766 |
| 10/17/2016 10:45:00 PM | 434700.000 | 150.813 | 21.105 |
| 348.221 | 684.425 | 739.439 | 0.365 |
| 502.819 | 1461.081 | 0.998 | 14.767 |
| 10/17/2016 11:00:00 PM | 435600.000 | 150.811 | 21.109 |
| 348.219 | 685.152 | 740.161 | 0.365 |
| 503.310 | 1459.529 | 0.998 | 14.769 |
| 10/17/2016 11:15:00 PM | 436500.000 | 150.804 | 21.105 |
| 348.203 | 684.866 | 739.919 | 0.365 |
| 503.145 | 1460.139 | 0.998 | 14.773 |
| 10/17/2016 11:30:00 PM | 437400.000 | 150.805 | 21.109 |
| 348.204 | 687.055 | 742.213 | 0.366 |
| 504.705 | 1455.487 | 0.998 | 14.775 |
| 10/17/2016 11:45:00 PM | 438300.000 | 150.811 | 21.099 |
| 348.217 | 687.268 | 742.602 | 0.367 |
| 504.970 | 1455.036 | 0.998 | 14.776 |
| 10/18/2016 12:00:00 AM | 439200.000 | 150.805 | 21.107 |
| 348.203 | 687.243 | 742.445 | 0.366 |
| 504.863 | 1455.089 | 0.998 | 14.778 |
| 10/18/2016 12:15:00 AM | 440100.000 | 150.814 | 21.113 |
| 348.224 | 686.845 | 741.920 | 0.366 |
| 504.506 | 1455.932 | 0.998 | 14.780 |
| 10/18/2016 12:30:00 AM | 441000.000 | 150.809 | 21.110 |
| 348.214 | 686.255 | 741.330 | 0.366 |
| 504.104 | 1457.184 | 0.998 | 14.782 |
| 10/18/2016 12:45:00 AM | 441900.000 | 150.811 | 21.115 |
| 348.217 | 686.171 | 741.172 | 0.366 |
| 503.997 | 1457.363 | 0.998 | 14.780 |
| 10/18/2016 1:00:00 AM | 442800.000 | 150.807 | 21.113 |
| 348.209 | 685.510 | 740.491 | 0.365 |
| 503.534 | 1458.768 | 0.998 | 14.784 |
| 10/18/2016 1:15:00 AM | 443700.000 | 150.827 | 21.115 |
| 348.255 | 684.808 | 739.700 | 0.365 |
| 502.996 | 1460.263 | 0.998 | 14.780 |
| 10/18/2016 1:30:00 AM | 444600.000 | 150.807 | 21.110 |
| 348.208 | 684.333 | 739.256 | 0.365 |
| 502.694 | 1461.277 | 0.998 | 14.786 |
| 10/18/2016 1:45:00 AM | 445500.000 | 150.825 | 21.108 |
| 348.250 | 684.105 | 739.051 | 0.365 |
| 502.554 | 1461.765 | 0.998 | 14.785 |
| 10/18/2016 2:00:00 AM | 446400.000 | 150.818 | 21.112 |
| 348.235 | 684.258 | 739.154 | 0.365 |
| 502.625 | 1461.437 | 0.998 | 14.784 |
| 10/18/2016 2:15:00 AM | 447300.000 | 150.833 | 21.110 |
| 348.269 | 684.303 | 739.231 | 0.365 |
| 502.677 | 1461.341 | 0.998 | 14.784 |
| 10/18/2016 2:30:00 AM | 448200.000 | 150.827 | 21.114 |
| 348.256 | 684.332 | 739.194 | 0.365 |
| 502.652 | 1461.278 | 0.998 | 14.787 |
| 10/18/2016 2:45:00 AM | 449100.000 | 150.835 | 21.114 |
| 348.274 | 683.440 | 738.228 | 0.364 |
| 501.995 | 1463.187 | 0.998 | 14.788 |

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| 10/18/2016 3:00:00 AM | 450000.000 | 150.841 | 21.111 |
| 348.288 | 683.263 | 738.084 | 0.364 |
| 501.897 | 1463.566 | 0.998 | 14.787 |
| 10/18/2016 3:15:00 AM | 450900.000 | 150.859 | 21.111 |
| 348.329 | 683.262 | 738.089 | 0.364 |
| 501.900 | 1463.567 | 0.998 | 14.781 |
| 10/18/2016 3:30:00 AM | 451800.000 | 150.841 | 21.114 |
| 348.286 | 683.674 | 738.487 | 0.364 |
| 502.171 | 1462.684 | 0.998 | 14.784 |
| 10/18/2016 3:45:00 AM | 452700.000 | 150.851 | 21.106 |
| 348.309 | 683.670 | 738.597 | 0.365 |
| 502.246 | 1462.695 | 0.998 | 14.785 |
| 10/18/2016 4:00:00 AM | 453600.000 | 150.856 | 21.113 |
| 348.321 | 684.173 | 739.034 | 0.365 |
| 502.543 | 1461.618 | 0.998 | 14.781 |
| 10/18/2016 4:15:00 AM | 454500.000 | 150.853 | 21.107 |
| 348.315 | 684.641 | 739.641 | 0.365 |
| 502.956 | 1460.620 | 0.998 | 14.785 |
| 10/18/2016 4:30:00 AM | 455400.000 | 150.853 | 21.111 |
| 348.314 | 684.958 | 739.919 | 0.365 |
| 503.145 | 1459.944 | 0.998 | 14.785 |
| 10/18/2016 4:45:00 AM | 456300.000 | 150.856 | 21.105 |
| 348.322 | 685.448 | 740.541 | 0.366 |
| 503.568 | 1458.899 | 0.998 | 14.786 |
| 10/18/2016 5:00:00 AM | 457200.000 | 150.859 | 21.107 |
| 348.328 | 685.764 | 740.851 | 0.366 |
| 503.779 | 1458.227 | 0.998 | 14.786 |
| 10/18/2016 5:15:00 AM | 458100.000 | 150.850 | 21.105 |
| 348.309 | 685.940 | 741.072 | 0.366 |
| 503.929 | 1457.854 | 0.998 | 14.790 |
| 10/18/2016 5:30:00 AM | 459000.000 | 150.871 | 21.101 |
| 348.356 | 685.742 | 740.920 | 0.366 |
| 503.826 | 1458.273 | 0.998 | 14.789 |
| 10/18/2016 5:45:00 AM | 459900.000 | 150.864 | 21.111 |
| 348.339 | 685.882 | 740.920 | 0.366 |
| 503.826 | 1457.976 | 0.998 | 14.790 |
| 10/18/2016 6:00:00 AM | 460800.000 | 150.870 | 21.115 |
| 348.354 | 685.843 | 740.811 | 0.366 |
| 503.752 | 1458.059 | 0.998 | 14.794 |
| 10/18/2016 6:15:00 AM | 461700.000 | 150.880 | 21.113 |
| 348.377 | 684.603 | 739.506 | 0.365 |
| 502.864 | 1460.701 | 0.998 | 14.795 |
| 10/18/2016 6:30:00 AM | 462600.000 | 150.875 | 21.109 |
| 348.365 | 684.114 | 739.034 | 0.365 |
| 502.543 | 1461.745 | 0.998 | 14.799 |
| 10/18/2016 6:45:00 AM | 463500.000 | 150.867 | 21.102 |
| 348.346 | 684.038 | 739.059 | 0.365 |
| 502.560 | 1461.906 | 0.998 | 14.800 |
| 10/18/2016 7:00:00 AM | 464400.000 | 150.877 | 21.110 |
| 348.371 | 684.911 | 739.879 | 0.365 |
| 503.118 | 1460.043 | 0.998 | 14.802 |
| 10/18/2016 7:15:00 AM | 465300.000 | 150.848 | 21.108 |
| 348.303 | 684.949 | 739.956 | 0.365 |
| 503.170 | 1459.963 | 0.998 | 14.804 |
| 10/18/2016 7:30:00 AM | 466200.000 | 150.879 | 21.108 |

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| 348.375 | 685.163 | 740.190 | 0.365 |
| 503.329 | 1459.506 | 0.998 | 14.801 |
| 10/18/2016 7:45:00 AM | 467100.000 | 150.878 | 21.112 |
| 348.374 | 685.279 | 740.249 | 0.365 |
| 503.369 | 1459.260 | 0.998 | 14.806 |
| 10/18/2016 8:00:00 AM | 468000.000 | 150.887 | 21.107 |
| 348.394 | 684.939 | 739.953 | 0.365 |
| 503.168 | 1459.984 | 0.998 | 14.806 |
| 10/18/2016 8:15:00 AM | 468900.000 | 150.881 | 21.104 |
| 348.379 | 685.023 | 740.095 | 0.365 |
| 503.265 | 1459.804 | 0.998 | 14.815 |
| 10/18/2016 8:30:00 AM | 469800.000 | 150.888 | 21.096 |
| 348.395 | 685.734 | 740.983 | 0.366 |
| 503.869 | 1458.291 | 0.998 | 14.820 |
| 10/18/2016 8:45:00 AM | 470700.000 | 150.898 | 21.106 |
| 348.419 | 685.584 | 740.678 | 0.366 |
| 503.661 | 1458.610 | 0.998 | 14.808 |
| 10/18/2016 9:00:00 AM | 471600.000 | 150.897 | 21.109 |
| 348.416 | 686.384 | 741.490 | 0.366 |
| 504.213 | 1456.911 | 0.998 | 14.809 |
| 10/18/2016 9:15:00 AM | 472500.000 | 150.886 | 21.103 |
| 348.391 | 685.912 | 741.074 | 0.366 |
| 503.930 | 1457.913 | 0.998 | 14.822 |
| 10/18/2016 9:30:00 AM | 473400.000 | 150.894 | 21.106 |
| 348.410 | 686.057 | 741.176 | 0.366 |
| 504.000 | 1457.605 | 0.998 | 14.820 |
| 10/18/2016 9:45:00 AM | 474300.000 | 150.896 | 21.105 |
| 348.413 | 686.216 | 741.366 | 0.366 |
| 504.129 | 1457.268 | 0.998 | 14.822 |
| 10/18/2016 10:00:00 AM | 475200.000 | 150.898 | 21.105 |
| 348.418 | 686.263 | 741.420 | 0.366 |
| 504.166 | 1457.167 | 0.998 | 14.819 |
| 10/18/2016 10:15:00 AM | 476100.000 | 150.908 | 21.110 |
| 348.442 | 686.386 | 741.484 | 0.366 |
| 504.209 | 1456.907 | 0.998 | 14.823 |
| 10/18/2016 10:30:00 AM | 477000.000 | 150.898 | 21.117 |
| 348.418 | 686.244 | 741.222 | 0.366 |
| 504.031 | 1457.207 | 0.998 | 14.821 |
| 10/18/2016 10:45:00 AM | 477900.000 | 150.897 | 21.111 |
| 348.417 | 685.122 | 740.092 | 0.365 |
| 503.262 | 1459.593 | 0.998 | 14.822 |
| 10/18/2016 11:00:00 AM | 478800.000 | 150.899 | 21.110 |
| 348.421 | 685.389 | 740.404 | 0.365 |
| 503.475 | 1459.025 | 0.998 | 14.826 |
| 10/18/2016 11:15:00 AM | 479700.000 | 150.914 | 21.110 |
| 348.455 | 685.203 | 740.203 | 0.365 |
| 503.338 | 1459.422 | 0.998 | 14.818 |
| 10/18/2016 11:30:00 AM | 480600.000 | 150.921 | 21.103 |
| 348.473 | 685.883 | 741.049 | 0.366 |
| 503.913 | 1457.974 | 0.998 | 14.817 |
| 10/18/2016 11:45:00 AM | 481500.000 | 150.933 | 21.109 |
| 348.500 | 686.912 | 742.063 | 0.366 |
| 504.603 | 1455.790 | 0.998 | 14.817 |
| 10/18/2016 12:00:00 PM | 482400.000 | 150.923 | 21.110 |
| 348.477 | 686.649 | 741.767 | 0.366 |

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|---|---|---|---|
| 504.402 | 1456.349 | 0.998 | 14.818 |
| 10/18/2016 12:15:00 PM | 483300.000 | 150.922 | 21.104 |
| 348.474 | 686.602 | 741.806 | 0.366 |
| 504.428 | 1456.449 | 0.998 | 14.816 |
| 10/18/2016 12:30:00 PM | 484200.000 | 150.931 | 21.115 |
| 348.496 | 686.712 | 741.758 | 0.366 |
| 504.395 | 1456.215 | 0.998 | 14.821 |
| 10/18/2016 12:45:00 PM | 485100.000 | 150.937 | 21.107 |
| 348.509 | 686.328 | 741.464 | 0.366 |
| 504.196 | 1457.030 | 0.998 | 14.813 |
| 10/18/2016 1:00:00 PM | 486000.000 | 150.956 | 21.112 |
| 348.552 | 686.259 | 741.316 | 0.366 |
| 504.095 | 1457.176 | 0.998 | 14.802 |
| 10/18/2016 1:15:00 PM | 486900.000 | 150.946 | 21.103 |
| 348.530 | 686.561 | 741.769 | 0.366 |
| 504.403 | 1456.534 | 0.998 | 14.804 |
| 10/18/2016 1:30:00 PM | 487800.000 | 150.948 | 21.107 |
| 348.534 | 686.758 | 741.932 | 0.366 |
| 504.514 | 1456.117 | 0.998 | 14.804 |
| 10/18/2016 1:45:00 PM | 488700.000 | 150.955 | 21.107 |
| 348.551 | 687.712 | 742.963 | 0.367 |
| 505.215 | 1454.096 | 0.998 | 14.799 |
| 10/18/2016 2:00:00 PM | 489600.000 | 150.963 | 21.101 |
| 348.570 | 687.516 | 742.833 | 0.367 |
| 505.126 | 1454.511 | 0.998 | 14.798 |
| 10/18/2016 2:15:00 PM | 490500.000 | 150.979 | 21.108 |
| 348.607 | 687.963 | 743.205 | 0.367 |
| 505.380 | 1453.567 | 0.998 | 14.789 |
| 10/18/2016 2:30:00 PM | 491400.000 | 150.961 | 21.105 |
| 348.563 | 687.794 | 743.079 | 0.367 |
| 505.294 | 1453.924 | 0.998 | 14.796 |
| 10/18/2016 2:45:00 PM | 492300.000 | 150.968 | 21.111 |
| 348.581 | 687.899 | 743.093 | 0.367 |
| 505.303 | 1453.703 | 0.998 | 14.786 |
| 10/18/2016 3:00:00 PM | 493200.000 | 150.973 | 21.110 |
| 348.593 | 687.495 | 742.669 | 0.367 |
| 505.015 | 1454.555 | 0.998 | 14.782 |
| 10/18/2016 3:15:00 PM | 494100.000 | 150.984 | 21.103 |
| 348.618 | 686.753 | 741.989 | 0.366 |
| 504.552 | 1456.127 | 0.998 | 14.781 |
| 10/18/2016 3:30:00 PM | 495000.000 | 150.951 | 21.097 |
| 348.541 | 686.502 | 741.800 | 0.366 |
| 504.424 | 1456.660 | 0.998 | 14.783 |
| 10/18/2016 3:45:00 PM | 495900.000 | 150.987 | 21.113 |
| 348.624 | 686.414 | 741.466 | 0.366 |
| 504.197 | 1456.848 | 0.998 | 14.780 |
| 10/18/2016 4:00:00 PM | 496800.000 | 150.991 | 21.103 |
| 348.634 | 686.028 | 741.203 | 0.366 |
| 504.018 | 1457.667 | 0.998 | 14.776 |
| 10/18/2016 4:15:00 PM | 497700.000 | 150.997 | 21.098 |
| 348.647 | 685.797 | 741.019 | 0.366 |
| 503.893 | 1458.158 | 0.998 | 14.775 |
| 10/18/2016 4:30:00 PM | 498600.000 | 150.989 | 21.116 |
| 348.629 | 685.831 | 740.790 | 0.366 |
| 503.737 | 1458.085 | 0.998 | 14.772 |

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|---|---|---|---|
| 10/18/2016 4:45:00 PM | 499500.000 | 150.930 | 21.104 |
| 348.492 | 685.058 | 740.141 | 0.365 |
| 503.296 | 1459.730 | 0.998 | 14.775 |
| 10/18/2016 5:00:00 PM | 500400.000 | 150.965 | 21.108 |
| 348.574 | 685.118 | 740.138 | 0.365 |
| 503.294 | 1459.604 | 0.998 | 14.772 |
| 10/18/2016 5:15:00 PM | 501300.000 | 150.958 | 21.109 |
| 348.558 | 685.795 | 740.847 | 0.366 |
| 503.776 | 1458.161 | 0.998 | 14.775 |
| 10/18/2016 5:30:00 PM | 502200.000 | 150.956 | 21.107 |
| 348.552 | 685.523 | 740.590 | 0.366 |
| 503.601 | 1458.739 | 0.998 | 14.778 |
| 10/18/2016 5:45:00 PM | 503100.000 | 150.964 | 21.105 |
| 348.571 | 685.237 | 740.307 | 0.365 |
| 503.409 | 1459.349 | 0.998 | 14.784 |
| 10/18/2016 6:00:00 PM | 504000.000 | 150.966 | 21.107 |
| 348.576 | 686.092 | 741.205 | 0.366 |
| 504.020 | 1457.531 | 0.998 | 14.783 |
| 10/18/2016 6:15:00 PM | 504900.000 | 150.964 | 21.116 |
| 348.570 | 686.490 | 741.492 | 0.366 |
| 504.215 | 1456.686 | 0.998 | 14.778 |
| 10/18/2016 6:30:00 PM | 505800.000 | 150.951 | 21.112 |
| 348.542 | 686.029 | 741.058 | 0.366 |
| 503.920 | 1457.665 | 0.998 | 14.777 |
| 10/18/2016 6:45:00 PM | 506700.000 | 150.952 | 21.104 |
| 348.543 | 685.666 | 740.784 | 0.366 |
| 503.733 | 1458.436 | 0.998 | 14.790 |
| 10/18/2016 7:00:00 PM | 507600.000 | 150.963 | 21.102 |
| 348.568 | 685.645 | 740.797 | 0.366 |
| 503.742 | 1458.481 | 0.998 | 14.782 |
| 10/18/2016 7:15:00 PM | 508500.000 | 150.959 | 21.102 |
| 348.559 | 686.624 | 741.862 | 0.366 |
| 504.466 | 1456.401 | 0.998 | 14.778 |
| 10/18/2016 7:30:00 PM | 509400.000 | 150.956 | 21.108 |
| 348.552 | 686.701 | 741.853 | 0.366 |
| 504.460 | 1456.237 | 0.998 | 14.793 |
| 10/18/2016 7:45:00 PM | 510300.000 | 150.959 | 21.104 |
| 348.560 | 687.007 | 742.246 | 0.366 |
| 504.727 | 1455.590 | 0.998 | 14.787 |
| 10/18/2016 8:00:00 PM | 511200.000 | 150.936 | 21.114 |
| 348.507 | 687.353 | 742.465 | 0.366 |
| 504.876 | 1454.856 | 0.998 | 14.796 |
| 10/18/2016 8:15:00 PM | 512100.000 | 150.906 | 21.109 |
| 348.438 | 687.280 | 742.456 | 0.366 |
| 504.870 | 1455.011 | 0.998 | 14.795 |
| 10/18/2016 8:30:00 PM | 513000.000 | 150.939 | 21.109 |
| 348.513 | 687.132 | 742.296 | 0.366 |
| 504.761 | 1455.324 | 0.998 | 14.799 |
| 10/18/2016 8:45:00 PM | 513900.000 | 150.940 | 21.115 |
| 348.515 | 687.182 | 742.258 | 0.366 |
| 504.736 | 1455.219 | 0.998 | 14.797 |
| 10/18/2016 9:00:00 PM | 514800.000 | 150.937 | 21.104 |
| 348.509 | 686.910 | 742.128 | 0.366 |
| 504.647 | 1455.794 | 0.998 | 14.795 |
| 10/18/2016 9:15:00 PM | 515700.000 | 150.931 | 21.117 |

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|---|---|---|---|
| 348.495 | 686.667 | 741.674 | 0.366 |
| 504.338 | 1456.309 | 0.998 | 14.801 |
| 10/18/2016 9:30:00 PM | 516600.000 | 150.929 | 21.111 |
| 348.491 | 686.184 | 741.248 | 0.366 |
| 504.048 | 1457.335 | 0.998 | 14.799 |
| 10/18/2016 9:45:00 PM | 517500.000 | 150.895 | 21.108 |
| 348.411 | 685.976 | 741.070 | 0.366 |
| 503.927 | 1457.777 | 0.998 | 14.807 |
| 10/18/2016 10:00:00 PM | 518400.000 | 150.928 | 21.110 |
| 348.488 | 686.473 | 741.574 | 0.366 |
| 504.271 | 1456.722 | 0.998 | 14.808 |
| 10/18/2016 10:15:00 PM | 519300.000 | 150.919 | 21.106 |
| 348.467 | 687.042 | 742.242 | 0.366 |
| 504.724 | 1455.514 | 0.998 | 14.806 |
| 10/18/2016 10:30:00 PM | 520200.000 | 150.881 | 21.108 |
| 348.379 | 686.844 | 742.000 | 0.366 |
| 504.560 | 1455.936 | 0.998 | 14.807 |
| 10/18/2016 10:45:00 PM | 521100.000 | 150.923 | 21.106 |
| 348.478 | 686.772 | 741.957 | 0.366 |
| 504.530 | 1456.087 | 0.998 | 14.805 |
| 10/18/2016 11:00:00 PM | 522000.000 | 150.920 | 21.110 |
| 348.469 | 687.300 | 742.471 | 0.367 |
| 504.880 | 1454.968 | 0.998 | 14.805 |
| 10/18/2016 11:15:00 PM | 522900.000 | 150.913 | 21.116 |
| 348.453 | 686.857 | 741.899 | 0.366 |
| 504.492 | 1455.907 | 0.998 | 14.807 |
| 10/18/2016 11:30:00 PM | 523800.000 | 150.918 | 21.115 |
| 348.465 | 686.316 | 741.323 | 0.366 |
| 504.100 | 1457.054 | 0.998 | 14.807 |
| 10/18/2016 11:45:00 PM | 524700.000 | 150.916 | 21.115 |
| 348.460 | 685.869 | 740.837 | 0.366 |
| 503.769 | 1458.004 | 0.998 | 14.807 |
| 10/19/2016 12:00:00 AM | 525600.000 | 150.929 | 21.101 |
| 348.491 | 685.195 | 740.322 | 0.365 |
| 503.419 | 1459.439 | 0.998 | 14.806 |
| 10/19/2016 12:15:00 AM | 526500.000 | 150.927 | 21.097 |
| 348.485 | 685.931 | 741.182 | 0.366 |
| 504.004 | 1457.872 | 0.998 | 14.802 |
| 10/19/2016 12:30:00 AM | 527400.000 | 150.920 | 21.105 |
| 348.470 | 686.815 | 742.014 | 0.366 |
| 504.569 | 1455.996 | 0.998 | 14.808 |
| 10/19/2016 12:45:00 AM | 528300.000 | 150.918 | 21.109 |
| 348.465 | 687.579 | 742.781 | 0.367 |
| 505.091 | 1454.378 | 0.998 | 14.799 |
| 10/19/2016 1:00:00 AM | 529200.000 | 150.921 | 21.105 |
| 348.472 | 686.867 | 742.071 | 0.366 |
| 504.609 | 1455.885 | 0.998 | 14.808 |
| 10/19/2016 1:15:00 AM | 530100.000 | 150.892 | 21.112 |
| 348.404 | 687.175 | 742.295 | 0.366 |
| 504.761 | 1455.234 | 0.998 | 14.809 |
| 10/19/2016 1:30:00 AM | 531000.000 | 150.912 | 21.101 |
| 348.451 | 687.242 | 742.539 | 0.367 |
| 504.927 | 1455.091 | 0.998 | 14.805 |
| 10/19/2016 1:45:00 AM | 531900.000 | 150.917 | 21.116 |
| 348.463 | 688.866 | 744.062 | 0.367 |

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|---|---|---|---|
| 505.962 | 1451.661 | 0.998 | 14.809 |
| 10/19/2016 2:00:00 AM | 532800.000 | 150.924 | 21.112 |
| 348.478 | 688.359 | 743.581 | 0.367 |
| 505.635 | 1452.730 | 0.998 | 14.808 |
| 10/19/2016 2:15:00 AM | 533700.000 | 150.933 | 21.115 |
| 348.500 | 688.166 | 743.318 | 0.367 |
| 505.457 | 1453.138 | 0.998 | 14.808 |
| 10/19/2016 2:30:00 AM | 534600.000 | 150.917 | 21.113 |
| 348.463 | 687.949 | 743.117 | 0.367 |
| 505.319 | 1453.596 | 0.998 | 14.812 |
| 10/19/2016 2:45:00 AM | 535500.000 | 150.926 | 21.106 |
| 348.482 | 687.930 | 743.200 | 0.367 |
| 505.376 | 1453.635 | 0.998 | 14.816 |
| 10/19/2016 3:00:00 AM | 536400.000 | 150.937 | 21.103 |
| 348.508 | 687.554 | 742.840 | 0.367 |
| 505.131 | 1454.432 | 0.998 | 14.813 |
| 10/19/2016 3:15:00 AM | 537300.000 | 150.898 | 21.109 |
| 348.420 | 688.251 | 743.501 | 0.367 |
| 505.581 | 1452.958 | 0.998 | 14.810 |
| 10/19/2016 3:30:00 AM | 538200.000 | 150.943 | 21.114 |
| 348.523 | 688.451 | 743.654 | 0.367 |
| 505.685 | 1452.535 | 0.998 | 14.806 |
| 10/19/2016 3:45:00 AM | 539100.000 | 150.934 | 21.118 |
| 348.501 | 687.927 | 743.020 | 0.367 |
| 505.254 | 1453.643 | 0.998 | 14.811 |
| 10/19/2016 4:00:00 AM | 540000.000 | 150.939 | 21.117 |
| 348.514 | 687.502 | 742.572 | 0.367 |
| 504.949 | 1454.542 | 0.998 | 14.809 |
| 10/19/2016 4:15:00 AM | 540900.000 | 150.938 | 21.109 |
| 348.512 | 685.675 | 740.722 | 0.366 |
| 503.691 | 1458.417 | 0.998 | 14.803 |
| 10/19/2016 4:30:00 AM | 541800.000 | 150.925 | 21.111 |
| 348.482 | 684.986 | 739.952 | 0.365 |
| 503.168 | 1459.884 | 0.998 | 14.799 |
| 10/19/2016 4:45:00 AM | 542700.000 | 150.951 | 21.110 |
| 348.542 | 685.344 | 740.354 | 0.365 |
| 503.440 | 1459.121 | 0.998 | 14.807 |
| 10/19/2016 5:00:00 AM | 543600.000 | 150.959 | 21.113 |
| 348.560 | 687.885 | 743.056 | 0.367 |
| 505.278 | 1453.731 | 0.998 | 14.800 |
| 10/19/2016 5:15:00 AM | 544500.000 | 150.932 | 21.110 |
| 348.497 | 687.918 | 743.137 | 0.367 |
| 505.333 | 1453.661 | 0.998 | 14.802 |
| 10/19/2016 5:30:00 AM | 545400.000 | 150.961 | 21.108 |
| 348.564 | 687.590 | 742.803 | 0.367 |
| 505.106 | 1454.354 | 0.998 | 14.804 |
| 10/19/2016 5:45:00 AM | 546300.000 | 150.917 | 21.120 |
| 348.463 | 688.379 | 743.470 | 0.367 |
| 505.560 | 1452.687 | 0.998 | 14.807 |
| 10/19/2016 6:00:00 AM | 547200.000 | 150.957 | 21.109 |
| 348.556 | 687.822 | 743.042 | 0.367 |
| 505.268 | 1453.864 | 0.998 | 14.810 |
| 10/19/2016 6:15:00 AM | 548100.000 | 150.971 | 21.108 |
| 348.589 | 687.591 | 742.805 | 0.367 |
| 505.108 | 1454.352 | 0.998 | 14.811 |

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|---|---|---|---|
| 10/19/2016 6:30:00 AM | 549000.000 | 150.976 | 21.105 |
| 348.600 | 687.989 | 743.279 | 0.367 |
| 505.430 | 1453.512 | 0.998 | 14.809 |
| 10/19/2016 6:45:00 AM | 549900.000 | 150.981 | 21.110 |
| 348.611 | 687.921 | 743.137 | 0.367 |
| 505.333 | 1453.656 | 0.998 | 14.804 |
| 10/19/2016 7:00:00 AM | 550800.000 | 150.956 | 21.108 |
| 348.553 | 687.655 | 742.884 | 0.367 |
| 505.161 | 1454.217 | 0.998 | 14.802 |
| 10/19/2016 7:15:00 AM | 551700.000 | 150.922 | 21.100 |
| 348.475 | 687.269 | 742.585 | 0.367 |
| 504.958 | 1455.034 | 0.998 | 14.813 |
| 10/19/2016 7:30:00 AM | 552600.000 | 150.947 | 21.104 |
| 348.531 | 687.450 | 742.719 | 0.367 |
| 505.049 | 1454.652 | 0.998 | 14.810 |
| 10/19/2016 7:45:00 AM | 553500.000 | 150.919 | 21.112 |
| 348.467 | 687.792 | 742.970 | 0.367 |
| 505.220 | 1453.927 | 0.998 | 14.809 |
| 10/19/2016 8:00:00 AM | 554400.000 | 150.847 | 21.103 |
| 348.300 | 687.579 | 742.875 | 0.367 |
| 505.155 | 1454.378 | 0.998 | 14.812 |
| 10/19/2016 8:15:00 AM | 555300.000 | 150.854 | 21.110 |
| 348.318 | 687.873 | 743.083 | 0.367 |
| 505.297 | 1453.756 | 0.998 | 14.815 |
| 10/19/2016 8:30:00 AM | 556200.000 | 150.840 | 21.110 |
| 348.285 | 687.879 | 743.088 | 0.367 |
| 505.300 | 1453.745 | 0.998 | 14.816 |
| 10/19/2016 8:45:00 AM | 557100.000 | 150.805 | 21.111 |
| 348.205 | 687.671 | 742.849 | 0.367 |
| 505.137 | 1454.183 | 0.998 | 14.816 |
| 10/19/2016 9:00:00 AM | 558000.000 | 150.760 | 21.108 |
| 348.101 | 687.248 | 742.445 | 0.366 |
| 504.863 | 1455.079 | 0.998 | 14.824 |
| 10/19/2016 9:15:00 AM | 558900.000 | 150.725 | 21.104 |
| 348.020 | 687.153 | 742.401 | 0.366 |
| 504.833 | 1455.281 | 0.998 | 14.821 |
| 10/19/2016 9:30:00 AM | 559800.000 | 150.745 | 21.109 |
| 348.065 | 687.650 | 742.863 | 0.367 |
| 505.147 | 1454.229 | 0.998 | 14.820 |
| 10/19/2016 9:45:00 AM | 560700.000 | 150.729 | 21.106 |
| 348.029 | 688.883 | 744.237 | 0.367 |
| 506.081 | 1451.626 | 0.998 | 14.825 |
| 10/19/2016 10:00:00 AM | 561600.000 | 150.720 | 21.103 |
| 348.008 | 688.709 | 744.091 | 0.367 |
| 505.982 | 1451.992 | 0.998 | 14.821 |
| 10/19/2016 10:15:00 AM | 562500.000 | 150.698 | 21.103 |
| 347.956 | 689.185 | 744.616 | 0.368 |
| 506.339 | 1450.989 | 0.998 | 14.815 |
| 10/19/2016 10:30:00 AM | 563400.000 | 150.688 | 21.107 |
| 347.934 | 690.208 | 745.659 | 0.368 |
| 507.048 | 1448.839 | 0.998 | 14.820 |
| 10/19/2016 10:45:00 AM | 564300.000 | 150.636 | 21.092 |
| 347.814 | 690.012 | 745.669 | 0.368 |
| 507.055 | 1449.251 | 0.998 | 14.816 |
| 10/19/2016 11:00:00 AM | 565200.000 | 150.663 | 21.103 |

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|---|---|---|---|
| 347.877 | 691.344 | 746.941 | 0.369 |
| 507.920 | 1446.458 | 0.998 | 14.816 |
| 10/19/2016 11:15:00 AM | 566100.000 | 150.672 | 21.109 |
| 347.897 | 692.730 | 748.343 | 0.370 |
| 508.873 | 1443.565 | 0.998 | 14.815 |
| 10/19/2016 11:30:00 AM | 567000.000 | 150.674 | 21.105 |
| 347.902 | 692.061 | 747.688 | 0.369 |
| 508.428 | 1444.958 | 0.998 | 14.813 |
| 10/19/2016 11:45:00 AM | 567900.000 | 150.687 | 21.094 |
| 347.931 | 693.000 | 748.866 | 0.370 |
| 509.229 | 1443.001 | 0.998 | 14.812 |
| 10/19/2016 12:00:00 PM | 568800.000 | 150.718 | 21.105 |
| 348.002 | 692.997 | 748.691 | 0.370 |
| 509.110 | 1443.008 | 0.998 | 14.806 |
| 10/19/2016 12:15:00 PM | 569700.000 | 150.707 | 21.106 |
| 347.978 | 693.373 | 749.090 | 0.370 |
| 509.381 | 1442.226 | 0.998 | 14.800 |
| 10/19/2016 12:30:00 PM | 570600.000 | 150.767 | 21.105 |
| 348.117 | 692.837 | 748.522 | 0.370 |
| 508.995 | 1443.340 | 0.998 | 14.800 |
| 10/19/2016 12:45:00 PM | 571500.000 | 150.779 | 21.116 |
| 348.144 | 694.083 | 749.694 | 0.370 |
| 509.792 | 1440.750 | 0.998 | 14.801 |
| 10/19/2016 1:00:00 PM | 572400.000 | 150.807 | 21.115 |
| 348.210 | 693.399 | 748.978 | 0.370 |
| 509.305 | 1442.172 | 0.998 | 14.794 |
| 10/19/2016 1:15:00 PM | 573300.000 | 150.815 | 21.106 |
| 348.227 | 692.865 | 748.545 | 0.370 |
| 509.010 | 1443.282 | 0.998 | 14.796 |
| 10/19/2016 1:30:00 PM | 574200.000 | 150.834 | 21.104 |
| 348.271 | 692.407 | 748.076 | 0.369 |
| 508.692 | 1444.238 | 0.998 | 14.792 |
| 10/19/2016 1:45:00 PM | 575100.000 | 150.846 | 21.108 |
| 348.298 | 692.408 | 748.012 | 0.369 |
| 508.648 | 1444.235 | 0.998 | 14.796 |
| 10/19/2016 2:00:00 PM | 576000.000 | 150.824 | 21.102 |
| 348.249 | 690.701 | 746.262 | 0.368 |
| 507.458 | 1447.804 | 0.998 | 14.793 |
| 10/19/2016 2:15:00 PM | 576900.000 | 150.830 | 21.108 |
| 348.261 | 690.739 | 746.213 | 0.368 |
| 507.425 | 1447.724 | 0.998 | 14.794 |
| 10/19/2016 2:30:00 PM | 577800.000 | 150.846 | 21.103 |
| 348.299 | 691.136 | 746.714 | 0.369 |
| 507.766 | 1446.893 | 0.998 | 14.786 |
| 10/19/2016 2:45:00 PM | 578700.000 | 150.906 | 21.107 |
| 348.438 | 691.324 | 746.854 | 0.369 |
| 507.861 | 1446.499 | 0.998 | 14.782 |
| 10/19/2016 3:00:00 PM | 579600.000 | 150.917 | 21.101 |
| 348.463 | 691.324 | 746.943 | 0.369 |
| 507.922 | 1446.499 | 0.998 | 14.786 |
| 10/19/2016 3:15:00 PM | 580500.000 | 150.933 | 21.115 |
| 348.500 | 691.279 | 746.681 | 0.369 |
| 507.743 | 1446.594 | 0.998 | 14.787 |
| 10/19/2016 3:30:00 PM | 581400.000 | 150.938 | 21.112 |
| 348.510 | 690.866 | 746.280 | 0.368 |

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|---|---|---|---|
| 507.470 | 1447.458 | 0.998 | 14.783 |
| 10/19/2016 3:45:00 PM | 582300.000 | 150.942 | 21.115 |
| 348.519 | 691.124 | 746.523 | 0.369 |
| 507.636 | 1446.919 | 0.998 | 14.781 |
| 10/19/2016 4:00:00 PM | 583200.000 | 150.958 | 21.116 |
| 348.557 | 690.736 | 746.084 | 0.368 |
| 507.337 | 1447.732 | 0.998 | 14.778 |
| 10/19/2016 4:15:00 PM | 584100.000 | 150.951 | 21.104 |
| 348.542 | 689.436 | 744.860 | 0.368 |
| 506.505 | 1450.460 | 0.998 | 14.782 |
| 10/19/2016 4:30:00 PM | 585000.000 | 150.921 | 21.111 |
| 348.472 | 689.561 | 744.888 | 0.368 |
| 506.524 | 1450.198 | 0.998 | 14.783 |
| 10/19/2016 4:45:00 PM | 585900.000 | 150.937 | 21.110 |
| 348.509 | 689.383 | 744.719 | 0.368 |
| 506.409 | 1450.572 | 0.998 | 14.782 |
| 10/19/2016 5:00:00 PM | 586800.000 | 150.972 | 21.112 |
| 348.589 | 688.708 | 743.952 | 0.367 |
| 505.887 | 1451.993 | 0.998 | 14.780 |
| 10/19/2016 5:15:00 PM | 587700.000 | 150.989 | 21.100 |
| 348.629 | 689.086 | 744.549 | 0.368 |
| 506.294 | 1451.197 | 0.998 | 14.778 |
| 10/19/2016 5:30:00 PM | 588600.000 | 150.958 | 21.101 |
| 348.556 | 688.665 | 744.082 | 0.367 |
| 505.976 | 1452.085 | 0.998 | 14.777 |
| 10/19/2016 5:45:00 PM | 589500.000 | 150.984 | 21.109 |
| 348.618 | 689.294 | 744.632 | 0.368 |
| 506.350 | 1450.759 | 0.998 | 14.778 |
| 10/19/2016 6:00:00 PM | 590400.000 | 150.951 | 21.115 |
| 348.541 | 689.435 | 744.689 | 0.368 |
| 506.388 | 1450.462 | 0.998 | 14.779 |
| 10/19/2016 6:15:00 PM | 591300.000 | 150.999 | 21.113 |
| 348.653 | 687.724 | 742.876 | 0.367 |
| 505.156 | 1454.073 | 0.998 | 14.778 |
| 10/19/2016 6:30:00 PM | 592200.000 | 151.019 | 21.110 |
| 348.697 | 687.411 | 742.590 | 0.367 |
| 504.961 | 1454.734 | 0.998 | 14.774 |
| 10/19/2016 6:45:00 PM | 593100.000 | 151.001 | 21.112 |
| 348.658 | 687.385 | 742.518 | 0.367 |
| 504.912 | 1454.790 | 0.998 | 14.779 |
| 10/19/2016 7:00:00 PM | 594000.000 | 151.006 | 21.113 |
| 348.669 | 687.102 | 742.206 | 0.366 |
| 504.700 | 1455.387 | 0.998 | 14.776 |
| 10/19/2016 7:15:00 PM | 594900.000 | 151.009 | 21.110 |
| 348.675 | 686.849 | 741.970 | 0.366 |
| 504.539 | 1455.924 | 0.998 | 14.775 |
| 10/19/2016 7:30:00 PM | 595800.000 | 151.006 | 21.114 |
| 348.668 | 687.706 | 742.834 | 0.367 |
| 505.127 | 1454.109 | 0.998 | 14.782 |
| 10/19/2016 7:45:00 PM | 596700.000 | 151.011 | 21.112 |
| 348.680 | 687.162 | 742.288 | 0.366 |
| 504.756 | 1455.261 | 0.998 | 14.782 |
| 10/19/2016 8:00:00 PM | 597600.000 | 150.977 | 21.113 |
| 348.600 | 687.082 | 742.181 | 0.366 |
| 504.683 | 1455.429 | 0.998 | 14.783 |

| | | | |
|---|---|---|---|
| 10/19/2016 8:15:00 PM | 598500.000 | 151.009 | 21.108 |
| 348.675 | 687.300 | 742.489 | 0.367 |
| 504.893 | 1454.969 | 0.998 | 14.787 |
| 10/19/2016 8:30:00 PM | 599400.000 | 151.015 | 21.110 |
| 348.689 | 686.681 | 741.803 | 0.366 |
| 504.426 | 1456.281 | 0.998 | 14.785 |
| 10/19/2016 8:45:00 PM | 600300.000 | 151.007 | 21.118 |
| 348.671 | 686.887 | 741.903 | 0.366 |
| 504.494 | 1455.844 | 0.998 | 14.781 |
| 10/19/2016 9:00:00 PM | 601200.000 | 151.013 | 21.103 |
| 348.684 | 686.587 | 741.797 | 0.366 |
| 504.422 | 1456.480 | 0.998 | 14.786 |
| 10/19/2016 9:15:00 PM | 602100.000 | 151.015 | 21.099 |
| 348.689 | 687.509 | 742.866 | 0.367 |
| 505.149 | 1454.525 | 0.998 | 14.787 |
| 10/19/2016 9:30:00 PM | 603000.000 | 151.010 | 21.096 |
| 348.677 | 688.314 | 743.772 | 0.367 |
| 505.765 | 1452.825 | 0.998 | 14.792 |
| 10/19/2016 9:45:00 PM | 603900.000 | 151.000 | 21.110 |
| 348.655 | 687.931 | 743.147 | 0.367 |
| 505.340 | 1453.634 | 0.998 | 14.792 |
| 10/19/2016 10:00:00 PM | 604800.000 | 151.005 | 21.116 |
| 348.667 | 688.622 | 743.806 | 0.367 |
| 505.788 | 1452.175 | 0.998 | 14.790 |
| 10/19/2016 10:15:00 PM | 605700.000 | 150.999 | 21.115 |
| 348.653 | 687.985 | 743.134 | 0.367 |
| 505.331 | 1453.520 | 0.998 | 14.794 |
| 10/19/2016 10:30:00 PM | 606600.000 | 151.003 | 21.110 |
| 348.660 | 687.274 | 742.437 | 0.366 |
| 504.857 | 1455.023 | 0.998 | 14.790 |
| 10/19/2016 10:45:00 PM | 607500.000 | 150.973 | 21.096 |
| 348.591 | 686.919 | 742.260 | 0.366 |
| 504.737 | 1455.776 | 0.998 | 14.786 |
| 10/19/2016 11:00:00 PM | 608400.000 | 150.998 | 21.101 |
| 348.650 | 688.792 | 744.216 | 0.367 |
| 506.067 | 1451.816 | 0.998 | 14.794 |
| 10/19/2016 11:15:00 PM | 609300.000 | 150.994 | 21.103 |
| 348.641 | 688.319 | 743.679 | 0.367 |
| 505.702 | 1452.814 | 0.998 | 14.793 |
| 10/19/2016 11:30:00 PM | 610200.000 | 150.973 | 21.098 |
| 348.593 | 689.185 | 744.689 | 0.368 |
| 506.388 | 1450.990 | 0.998 | 14.792 |
| 10/19/2016 11:45:00 PM | 611100.000 | 150.999 | 21.106 |
| 348.653 | 689.016 | 744.375 | 0.367 |
| 506.175 | 1451.345 | 0.998 | 14.790 |

Report Date: 10/21/2016 8:26:24 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-9M_2016-10-20_16-32-39-640.wsl
Create Date: 10/20/2016 4:31:53 PM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-9
Device Name:
Serial Number: 410760
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 1

Log Configuration
Log Name: MPWSP MW-9M
Created By: CShaw
Computer Name: PROBOOK3
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 7/17/2015 1:20:50 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: 7/17/2015 8:30:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: -0.0320346 (ft)
Head Pressure: -0.0142212 (PSI)
Temperature: 25.1824 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

Log Notes:

| Date and Time | Note |
|---|---|
| 7/17/2015 1:21:04 PM | Used Battery: 1% Used Memory: 1% User Name: CShaw |
| 7/17/2015 1:21:34 PM | Sensor SN: 410760 Cache Timeout: 1000 User Name: CShaw |
| 7/17/2015 1:25:28 PM | Sensor SN: 410760 Cache Timeout: 1750 User Name: CShaw |
| 7/17/2015 1:25:28 PM | Device Taken Offline |
| 7/17/2015 1:25:35 PM | Sensor Disabled: 1 |
| 7/17/2015 1:26:04 PM | Sensor SN: 410760 Cache Timeout: 1000 User Name: CShaw |
| 7/17/2015 1:26:38 PM | Device Put Online |
| 7/17/2015 1:26:38 PM | Sensor SN: 410760 Cache Timeout: 1750 User Name: CShaw |
| 7/17/2015 1:29:36 PM | Sensor SN: 410760 Cache Timeout: 1000 User Name: CShaw |
| 7/17/2015 1:31:15 PM | Device Taken Offline |
| 7/17/2015 1:32:19 PM | Device Put Online |
| 7/17/2015 1:32:20 PM | Sensor SN: 410760 Cache Timeout: 1750 User Name: CShaw |
| 7/17/2015 1:33:21 PM | Sensor SN: 410760 Cache Timeout: 1000 User Name: CShaw |
| 7/17/2015 1:33:27 PM | Device Taken Offline |
| 7/17/2015 1:34:34 PM | Device Put Online |
| 7/17/2015 1:34:35 PM | Sensor SN: 410760 Cache Timeout: 1750 User Name: CShaw |
| 7/17/2015 1:35:49 PM | Sensor SN: 410760 Cache Timeout: 1000 User Name: CShaw |
| 7/17/2015 1:35:55 PM | Device Taken Offline |
| 7/17/2015 1:37:59 PM | Conductivity calibration.<br>Sensor SN: 410760<br>Cell Constant: 1.0333 Cell Offset: 0<br>Reference Temperature: 25 Temperature Coefficient: 0.0191 User Name: CShaw |
| 7/17/2015 1:39:38 PM | Device Put Online |
| 7/17/2015 1:39:39 PM | Sensor SN: 410760 Cache Timeout: 1750 User Name: CShaw |
| 7/17/2015 1:39:41 PM | Sensor SN: 410760 Cache Timeout: 1000 User Name: CShaw |
| 7/17/2015 1:39:46 PM | Device Taken Offline |
| 7/17/2015 1:41:11 PM | Conductivity calibration.<br>Sensor SN: 410760<br>Cell Constant: 1.03308 Cell Offset: 0<br>Reference Temperature: 25 Temperature Coefficient: 0.0191 User Name: CShaw |
| 7/17/2015 1:41:19 PM | Device Put Online |
| 7/17/2015 1:41:19 PM | Sensor SN: 410760 Cache Timeout: 1750 User Name: CShaw |
| 7/17/2015 1:43:47 PM | Sensor SN: 410760 Cache Timeout: 1000 User Name: CShaw |
| 7/17/2015 1:43:53 PM | Device Taken Offline |
| 7/17/2015 1:45:06 PM | Conductivity calibration.<br>Sensor SN: 410760<br>Cell Constant: 1.01925 Cell Offset: 0<br>Reference Temperature: 25 Temperature Coefficient: 0.0191 User Name: CShaw |
| 7/17/2015 1:46:24 PM | Device Put Online |
| 7/17/2015 1:46:25 PM | Sensor SN: 410760 Cache Timeout: 1750 User Name: CShaw |
| 7/23/2015 3:03:12 PM | Log Download - Used Battery: 2% Used Memory: 1% User Name: KMakar |
| 7/30/2015 3:14:57 PM | Log Download - Used Battery: 2% Used Memory: 3% User Name: BDuarte |
| 8/6/2015 4:56:22 PM | Log Download - Used Battery: 3% Used Memory: 3% User Name: CShaw |
| 8/13/2015 10:19:14 AM | Log Download - Used Battery: 3% Used Memory: 4% User Name: KMakar |
| 8/20/2015 4:11:23 PM | Log Download - Used Battery: 3% Used Memory: 4% User Name: BDuarte Interval - Start Time: 7/30/2015 3:15:00 PM |
| 8/27/2015 8:32:48 AM | Log Download - Used Battery: 4% Used Memory: 6% User Name: KMakar |
| 9/3/2015 12:34:39 PM | Log Download - Used Battery: 4% Used Memory: 6% User Name: CShaw Interval - Start Time: 8/1/2015 5:30:00 PM Stop Time: 9/3/2015 12:45:00 PM |
| 9/10/2015 8:48:06 AM | Log Download - Used Battery: 4% Used Memory: 7% User Name: KMakar Interval - Start |

Time: 8/10/2015 8:30:00 AM Stop Time: 9/10/2015 8:45:00 AM
9/17/2015 8:52:29 AM Log Download - Used Battery: 5% Used Memory: 7% User Name: KMakar Interval - Start Time: 9/1/2015 5:30:00 AM Stop Time: 9/17/2015 8:52:00 AM
9/24/2015 5:20:50 PM Log Download - Used Battery: 5% Used Memory: 9% User Name: CShaw Interval - Start Time: 9/1/2015 5:30:00 PM Stop Time: 9/24/2015 9:00:00 AM
9/24/2015 7:51:21 PM Log Download - Used Battery: 5% Used Memory: 9% User Name: CShaw Interval - Start Time: 9/1/2015 5:30:00 PM Stop Time: 9/24/2015 8:45:00 PM
10/1/2015 9:09:29 AM Log Download - Used Battery: 5% Used Memory: 9% User Name: KMakar Interval - Start Time: 9/15/2015 7:30:00 AM Stop Time: 10/1/2015 9:00:00 AM
10/8/2015 10:56:12 AM Log Download - Used Battery: 6% Used Memory: 10% User Name: CShaw Interval - Start Time: 9/14/2015 5:30:00 PM Stop Time: 10/8/2015 11:45:00 PM
10/15/2015 10:36:31 AM Log Download - Used Battery: 6% Used Memory: 10% User Name: KMakar Interval - Start Time: 9/30/2015 7:30:00 AM Stop Time: 10/15/2015 10:45:00 AM
10/22/2015 9:59:02 AM Log Download - Used Battery: 7% Used Memory: 12% User Name: CShaw Interval - Start Time: 10/1/2015 3:05:00 AM Stop Time: 10/22/2015 5:30:00 PM
10/29/2015 1:02:30 PM Log Download - Used Battery: 7% Used Memory: 12% User Name: KMakar Interval - Start Time: 10/13/2015 6:15:00 AM Stop Time: 10/29/2015 1:00:00 PM
11/5/2015 9:23:03 AM Log Download - Used Battery: 7% Used Memory: 14% User Name: KMakar Interval - Start Time: 10/20/2015 6:15:00 AM Stop Time: 11/5/2015 9:30:00 AM
11/12/2015 1:20:28 PM Log Download - Used Battery: 8% Used Memory: 14% User Name: CShaw Interval - Start Time: 10/27/2015 11:00:00 AM Stop Time: 11/12/2015 2:00:00 PM
11/19/2015 10:18:41 AM Log Download - Used Battery: 8% Used Memory: 15% User Name: KMakar Interval - Start Time: 11/1/2015 7:00:00 AM Stop Time: 11/19/2015 10:30:00 AM
11/29/2015 10:53:05 AM Log Download - Used Battery: 9% Used Memory: 17% User Name: CShaw Interval - Start Time: 11/13/2015 1:00:00 AM Stop Time: 11/29/2015 11:00:00 AM
12/3/2015 7:43:20 AM Log Download - Used Battery: 9% Used Memory: 17% User Name: KMakar Interval - Start Time: 11/18/2015 7:00:00 AM Stop Time: 12/3/2015 7:45:00 AM
12/10/2015 9:56:12 AM Log Download - Used Battery: 9% Used Memory: 18% User Name: CShaw Interval - Start Time: 10/13/2015 1:00:00 AM Stop Time: 12/10/2015 10:45:00 AM
12/17/2015 9:17:42 AM Log Download - Used Battery: 9% Used Memory: 18% User Name: KMakar Interval - Start Time: 12/1/2015 12:00:00 PM Stop Time: 12/17/2015 9:15:00 AM
1/3/2016 11:29:31 AM Log Download - Used Battery: 10% Used Memory: 20% User Name: CShaw Interval - Start Time: 11/30/2015 1:00:00 AM Stop Time: 1/3/2016 12:00:00 PM
1/7/2016 8:42:47 AM Log Download - Used Battery: 11% Used Memory: 21% User Name: KMakar Interval - Start Time: 12/31/2015 10:00:00 AM Stop Time: 1/7/2016 8:45:00 AM
1/14/2016 12:39:45 PM Log Download - Used Battery: 11% Used Memory: 21% User Name: KMakar Interval - Start Time: 1/4/2016 10:00:00 AM Stop Time: 1/14/2016 12:45:00 PM
1/21/2016 8:44:06 AM Log Download - Used Battery: 11% Used Memory: 23% User Name: KMakar Interval - Start Time: 1/12/2016 12:00:00 PM Stop Time: 1/21/2016 10:00:00 AM
1/28/2016 8:58:07 AM Log Download - Used Battery: 12% Used Memory: 23% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 8:45:00 AM
2/4/2016 10:01:19 AM Log Download - Used Battery: 12% Used Memory: 25% User Name: CShaw Interval - Start Time: 12/31/2015 1:00:00 AM Stop Time: 2/4/2016 10:00:00 AM
2/11/2016 9:50:23 AM Log Download - Used Battery: 12% Used Memory: 25% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 10:45:00 AM
2/18/2016 11:40:59 AM Log Download - Used Battery: 13% Used Memory: 26% User Name: CShaw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 11:45:00 AM
2/25/2016 11:28:41 AM Log Download - Used Battery: 13% Used Memory: 26% User Name: KMakar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 11:15:00 AM
3/3/2016 12:36:53 PM Log Download - Used Battery: 13% Used Memory: 28% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 1:30:00 PM
3/10/2016 2:26:27 PM Log Download - Used Battery: 14% Used Memory: 28% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 2:15:00 PM
3/17/2016 11:06:11 AM Log Download - Used Battery: 14% Used Memory: 29% User Name: SKuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 12:00:00 PM
3/24/2016 8:39:55 AM Log Download - Used Battery: 14% Used Memory: 29% User Name: KMakar Interval - Start

Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 8:30:00 AM
3/31/2016 2:50:45 PM Log Download - Used Battery: 15% Used Memory: 31% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 3:45:00 PM
4/7/2016 9:13:35 AM Log Download - Used Battery: 15% Used Memory: 31% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 9:00:00 AM
4/14/2016 3:48:12 PM Log Download - Used Battery: 16% Used Memory: 32% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 3:45:00 PM
4/21/2016 1:55:13 PM Log Download - Used Battery: 16% Used Memory: 34% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 2:45:00 PM
4/28/2016 9:27:16 AM Log Download - Used Battery: 16% Used Memory: 34% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 9:15:00 AM
5/5/2016 9:09:18 AM Log Download - Used Battery: 17% Used Memory: 35% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 9:00:00 AM
5/12/2016 9:54:47 AM Log Download - Used Battery: 17% Used Memory: 35% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 9:45:00 AM
5/19/2016 1:30:30 PM Log Download - Used Battery: 17% Used Memory: 37% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 2:30:00 PM
5/26/2016 8:53:27 AM Log Download - Used Battery: 18% Used Memory: 37% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 9:45:00 AM
6/2/2016 11:19:42 AM Log Download - Used Battery: 18% Used Memory: 39% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 11:15:00 AM
6/9/2016 9:23:25 AM Log Download - Used Battery: 18% Used Memory: 39% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 10:15:00 AM
6/16/2016 10:57:32 AM Log Download - Used Battery: 19% Used Memory: 40% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 11:45:00 AM
6/23/2016 9:50:49 AM Log Download - Used Battery: 19% Used Memory: 40% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 9:45:00 AM
7/1/2016 11:23:48 AM Log Download - Used Battery: 20% Used Memory: 42% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 11:15:00 AM
7/8/2016 11:37:46 AM Log Download - Used Battery: 20% Used Memory: 42% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 11:30:00 AM
7/14/2016 5:33:50 PM Log Download - Used Battery: 20% Used Memory: 43% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 6:30:00 PM
7/21/2016 10:07:47 AM Log Download - Used Battery: 21% Used Memory: 43% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 10:00:00 AM
7/28/2016 5:59:10 PM Log Download - Used Battery: 21% Used Memory: 45% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 5:45:00 PM

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Log Data:
Record Count: 746
Sensors: 1
1 - 410760: PCTD 100 PSIG (70m/231ft)
Time Zone: Pacific Daylight Time

| | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft |
|---|---|---|---|---|---|---|---|---|---|
| Elapsed Time | SN#: 410760 | SN#: 410760 | SN#: 410760 | SN#: 410760 | SN#: 410760 | SN#: 410760 | SN#: 410760 | SN#: 410760 | SN#: 410760 |
| Date and Time | Seconds | Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Total Dissolved Solids (ppm) | Salinity (PSU) | Resistivity (ohm-cm) | Water Density (g/cm3) |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/13/2016 12:00:00 AM | 7200.000 | 68.509 | 16.797 | 154.322 | 37764.914 | 44780.703 | 30450.881 | 29.096 | 26.480 | 1.021 | |
| 10/13/2016 12:15:00 AM | 8100.000 | 68.503 | 16.793 | 154.311 | 37786.730 | 44811.016 | 30471.490 | 29.118 | 26.464 | 1.021 | |
| 10/13/2016 12:30:00 AM | 9000.000 | 68.516 | 16.797 | 154.338 | 37808.676 | 44833.051 | 30486.477 | 29.134 | 26.449 | 1.021 | |
| 10/13/2016 12:45:00 AM | 9900.000 | 68.500 | 16.794 | 154.304 | 37813.402 | 44841.770 | 30492.404 | 29.140 | 26.446 | 1.021 | |
| 10/13/2016 1:00:00 AM | 10800.000 | 68.495 | 16.800 | 154.291 | 37769.664 | 44783.844 | 30453.014 | 29.099 | 26.476 | 1.021 | |
| 10/13/2016 1:15:00 AM | 11700.000 | 68.499 | 16.807 | 154.300 | 37796.652 | 44808.637 | 30469.875 | 29.117 | 26.457 | 1.021 | |
| 10/13/2016 1:30:00 AM | 12600.000 | 68.507 | 16.803 | 154.320 | 37768.289 | 44779.012 | 30449.730 | 29.095 | 26.477 | 1.021 | |
| 10/13/2016 1:45:00 AM | 13500.000 | 68.489 | 16.802 | 154.278 | 37758.453 | 44768.246 | 30442.410 | 29.087 | 26.484 | 1.021 | |
| 10/13/2016 2:00:00 AM | 14400.000 | 68.489 | 16.798 | 154.277 | 37792.703 | 44813.215 | 30472.988 | 29.120 | 26.460 | 1.021 | |
| 10/13/2016 2:15:00 AM | 15300.000 | 68.482 | 16.807 | 154.262 | 37794.605 | 44806.211 | 30468.225 | 29.115 | 26.459 | 1.021 | |
| 10/13/2016 2:30:00 AM | 16200.000 | 68.497 | 16.803 | 154.297 | 37783.359 | 44796.879 | 30461.879 | 29.108 | 26.467 | 1.021 | |
| 10/13/2016 2:45:00 AM | 17100.000 | 68.478 | 16.799 | 154.253 | 37807.664 | 44829.613 | 30484.139 | 29.132 | 26.450 | 1.021 | |
| 10/13/2016 3:00:00 AM | 18000.000 | 68.473 | 16.798 | 154.241 | 37796.043 | 44816.902 | 30475.496 | 29.122 | 26.458 | 1.021 | |
| 10/13/2016 3:15:00 AM | 18900.000 | 68.468 | 16.801 | 154.230 | 37781.945 | 44797.523 | 30462.318 | 29.108 | 26.468 | 1.021 | |
| 10/13/2016 3:30:00 AM | 19800.000 | 68.470 | 16.812 | 154.235 | 37793.316 | 44800.055 | 30464.039 | 29.111 | 26.460 | 1.021 | |
| 10/13/2016 3:45:00 AM | 20700.000 | 68.464 | 16.797 | 154.221 | 37787.891 | 44807.855 | 30469.344 | 29.116 | 26.464 | 1.021 | |
| 10/13/2016 4:00:00 AM | 21600.000 | 68.464 | 16.803 | 154.222 | 37808.070 | 44826.348 | 30481.918 | 29.129 | 26.449 | 1.021 | |

| | | | |
|---|---|---|---|
| 10/13/2016 4:15:00 AM | 22500.000 | 68.460 | 16.793 |
| 154.214 | 37764.063 | 44784.133 | 30453.213 |
| 29.098 | 26.480 | 1.021 | |
| 10/13/2016 4:30:00 AM | 23400.000 | 68.457 | 16.795 |
| 154.206 | 37808.668 | 44834.902 | 30487.736 |
| 29.135 | 26.449 | 1.021 | |
| 10/13/2016 4:45:00 AM | 24300.000 | 68.458 | 16.791 |
| 154.208 | 37786.770 | 44812.680 | 30472.623 |
| 29.119 | 26.464 | 1.021 | |
| 10/13/2016 5:00:00 AM | 25200.000 | 68.453 | 16.801 |
| 154.196 | 37743.906 | 44752.598 | 30431.768 |
| 29.076 | 26.494 | 1.021 | |
| 10/13/2016 5:15:00 AM | 26100.000 | 68.451 | 16.804 |
| 154.192 | 37790.977 | 44805.285 | 30467.596 |
| 29.114 | 26.461 | 1.021 | |
| 10/13/2016 5:30:00 AM | 27000.000 | 68.464 | 16.812 |
| 154.223 | 37813.332 | 44823.508 | 30479.988 |
| 29.128 | 26.446 | 1.021 | |
| 10/13/2016 5:45:00 AM | 27900.000 | 68.465 | 16.796 |
| 154.225 | 37795.148 | 44817.801 | 30476.107 |
| 29.123 | 26.458 | 1.021 | |
| 10/13/2016 6:00:00 AM | 28800.000 | 68.468 | 16.800 |
| 154.231 | 37756.988 | 44768.289 | 30442.438 |
| 29.087 | 26.485 | 1.021 | |
| 10/13/2016 6:15:00 AM | 29700.000 | 68.453 | 16.795 |
| 154.196 | 37789.195 | 44811.809 | 30472.031 |
| 29.118 | 26.463 | 1.021 | |
| 10/13/2016 6:30:00 AM | 30600.000 | 68.452 | 16.794 |
| 154.194 | 37779.379 | 44801.594 | 30465.086 |
| 29.111 | 26.469 | 1.021 | |
| 10/13/2016 6:45:00 AM | 31500.000 | 68.456 | 16.802 |
| 154.203 | 37778.809 | 44792.637 | 30458.996 |
| 29.105 | 26.470 | 1.021 | |
| 10/13/2016 7:00:00 AM | 32400.000 | 68.455 | 16.795 |
| 154.201 | 37800.082 | 44824.371 | 30480.574 |
| 29.128 | 26.455 | 1.021 | |
| 10/13/2016 7:15:00 AM | 33300.000 | 68.459 | 16.798 |
| 154.211 | 37774.207 | 44791.012 | 30457.889 |
| 29.104 | 26.473 | 1.021 | |
| 10/13/2016 7:30:00 AM | 34200.000 | 68.461 | 16.803 |
| 154.215 | 37741.609 | 44747.379 | 30428.221 |
| 29.072 | 26.496 | 1.021 | |
| 10/13/2016 7:45:00 AM | 35100.000 | 68.466 | 16.800 |
| 154.227 | 37817.465 | 44840.344 | 30491.434 |
| 29.139 | 26.443 | 1.021 | |
| 10/13/2016 8:00:00 AM | 36000.000 | 68.468 | 16.802 |
| 154.231 | 37758.336 | 44767.750 | 30442.072 |
| 29.087 | 26.484 | 1.021 | |
| 10/13/2016 8:15:00 AM | 36900.000 | 68.471 | 16.801 |
| 154.237 | 37789.117 | 44805.398 | 30467.674 |
| 29.114 | 26.463 | 1.021 | |
| 10/13/2016 8:30:00 AM | 37800.000 | 68.476 | 16.802 |
| 154.250 | 37833.238 | 44856.914 | 30502.703 |
| 29.151 | 26.432 | 1.021 | |
| 10/13/2016 8:45:00 AM | 38700.000 | 68.480 | 16.805 |
| 154.258 | 37806.801 | 44822.355 | 30479.203 |

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|---|---|---|---|
| 29.127 | 26.450 | 1.021 | |
| 10/13/2016 9:00:00 AM | 39600.000 | 68.483 | 16.797 |
| 154.265 | 37796.773 | 44819.016 | 30476.932 |
| 29.124 | 26.457 | 1.021 | |
| 10/13/2016 9:15:00 AM | 40500.000 | 68.488 | 16.795 |
| 154.276 | 37787.527 | 44810.281 | 30470.992 |
| 29.117 | 26.464 | 1.021 | |
| 10/13/2016 9:30:00 AM | 41400.000 | 68.489 | 16.805 |
| 154.279 | 37762.477 | 44769.898 | 30443.533 |
| 29.089 | 26.481 | 1.021 | |
| 10/13/2016 9:45:00 AM | 42300.000 | 68.492 | 16.792 |
| 154.285 | 37777.656 | 44801.695 | 30465.154 |
| 29.111 | 26.471 | 1.021 | |
| 10/13/2016 10:00:00 AM | 43200.000 | 68.510 | 16.794 |
| 154.326 | 37784.547 | 44807.816 | 30469.318 |
| 29.115 | 26.466 | 1.021 | |
| 10/13/2016 10:15:00 AM | 44100.000 | 68.502 | 16.797 |
| 154.308 | 37810.402 | 44835.355 | 30488.045 |
| 29.136 | 26.448 | 1.021 | |
| 10/13/2016 10:30:00 AM | 45000.000 | 68.504 | 16.797 |
| 154.312 | 37776.477 | 44794.684 | 30460.387 |
| 29.106 | 26.472 | 1.021 | |
| 10/13/2016 10:45:00 AM | 45900.000 | 68.525 | 16.801 |
| 154.359 | 37798.801 | 44817.688 | 30476.029 |
| 29.123 | 26.456 | 1.021 | |
| 10/13/2016 11:00:00 AM | 46800.000 | 68.513 | 16.807 |
| 154.332 | 37794.672 | 44806.551 | 30468.457 |
| 29.115 | 26.459 | 1.021 | |
| 10/13/2016 11:15:00 AM | 47700.000 | 68.526 | 16.799 |
| 154.361 | 37810.871 | 44833.863 | 30487.027 |
| 29.135 | 26.447 | 1.021 | |
| 10/13/2016 11:30:00 AM | 48600.000 | 68.516 | 16.810 |
| 154.338 | 37756.383 | 44758.137 | 30435.535 |
| 29.081 | 26.486 | 1.021 | |
| 10/13/2016 11:45:00 AM | 49500.000 | 68.520 | 16.811 |
| 154.348 | 37814.641 | 44825.863 | 30481.590 |
| 29.130 | 26.445 | 1.021 | |
| 10/13/2016 12:00:00 PM | 50400.000 | 68.519 | 16.805 |
| 154.346 | 37766.414 | 44774.828 | 30446.885 |
| 29.092 | 26.479 | 1.021 | |
| 10/13/2016 12:15:00 PM | 51300.000 | 68.522 | 16.794 |
| 154.354 | 37803.926 | 44830.430 | 30484.695 |
| 29.132 | 26.452 | 1.021 | |
| 10/13/2016 12:30:00 PM | 52200.000 | 68.524 | 16.796 |
| 154.358 | 37763.242 | 44780.238 | 30450.563 |
| 29.096 | 26.481 | 1.021 | |
| 10/13/2016 12:45:00 PM | 53100.000 | 68.525 | 16.801 |
| 154.358 | 37785.805 | 44801.473 | 30465.004 |
| 29.111 | 26.465 | 1.021 | |
| 10/13/2016 1:00:00 PM | 54000.000 | 68.526 | 16.796 |
| 154.362 | 37766.691 | 44784.059 | 30453.162 |
| 29.098 | 26.478 | 1.021 | |
| 10/13/2016 1:15:00 PM | 54900.000 | 68.540 | 16.798 |
| 154.393 | 37817.535 | 44842.211 | 30492.705 |
| 29.141 | 26.443 | 1.021 | |
| 10/13/2016 1:30:00 PM | 55800.000 | 68.541 | 16.796 |

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|---|---|---|---|
| 154.395 | 37775.875 | 44795.039 | 30460.629 |
| 29.106 | 26.472 | 1.021 | |
| 10/13/2016 1:45:00 PM | 56700.000 | 68.522 | 16.794 |
| 154.354 | 37768.824 | 44789.168 | 30456.637 |
| 29.102 | 26.477 | 1.021 | |
| 10/13/2016 2:00:00 PM | 57600.000 | 68.526 | 16.794 |
| 154.362 | 37729.785 | 44742.961 | 30425.215 |
| 29.069 | 26.504 | 1.021 | |
| 10/13/2016 2:15:00 PM | 58500.000 | 68.526 | 16.799 |
| 154.361 | 37803.570 | 44824.844 | 30480.896 |
| 29.128 | 26.453 | 1.021 | |
| 10/13/2016 2:30:00 PM | 59400.000 | 68.522 | 16.795 |
| 154.352 | 37751.125 | 44767.113 | 30441.639 |
| 29.086 | 26.489 | 1.021 | |
| 10/13/2016 2:45:00 PM | 60300.000 | 68.522 | 16.799 |
| 154.352 | 37835.863 | 44862.691 | 30506.633 |
| 29.155 | 26.430 | 1.021 | |
| 10/13/2016 3:00:00 PM | 61200.000 | 68.518 | 16.806 |
| 154.343 | 37795.527 | 44808.016 | 30469.451 |
| 29.116 | 26.458 | 1.021 | |
| 10/13/2016 3:15:00 PM | 62100.000 | 68.514 | 16.802 |
| 154.335 | 37797.738 | 44814.469 | 30473.840 |
| 29.121 | 26.457 | 1.021 | |
| 10/13/2016 3:30:00 PM | 63000.000 | 68.515 | 16.799 |
| 154.336 | 37746.277 | 44757.012 | 30434.770 |
| 29.079 | 26.493 | 1.021 | |
| 10/13/2016 3:45:00 PM | 63900.000 | 68.527 | 16.804 |
| 154.363 | 37813.059 | 44830.578 | 30484.795 |
| 29.133 | 26.446 | 1.021 | |
| 10/13/2016 4:00:00 PM | 64800.000 | 68.512 | 16.806 |
| 154.329 | 37768.957 | 44776.691 | 30448.152 |
| 29.094 | 26.477 | 1.021 | |
| 10/13/2016 4:15:00 PM | 65700.000 | 68.522 | 16.804 |
| 154.353 | 37667.996 | 44658.773 | 30367.967 |
| 29.008 | 26.548 | 1.021 | |
| 10/13/2016 4:30:00 PM | 66600.000 | 68.506 | 16.804 |
| 154.316 | 37796.477 | 44811.277 | 30471.670 |
| 29.119 | 26.457 | 1.021 | |
| 10/13/2016 4:45:00 PM | 67500.000 | 68.504 | 16.806 |
| 154.311 | 37839.074 | 44860.168 | 30504.916 |
| 29.154 | 26.428 | 1.021 | |
| 10/13/2016 5:00:00 PM | 68400.000 | 68.506 | 16.801 |
| 154.317 | 37793.008 | 44810.453 | 30471.111 |
| 29.118 | 26.460 | 1.021 | |
| 10/13/2016 5:15:00 PM | 69300.000 | 68.502 | 16.805 |
| 154.309 | 37760.566 | 44768.246 | 30442.410 |
| 29.088 | 26.483 | 1.021 | |
| 10/13/2016 5:30:00 PM | 70200.000 | 68.502 | 16.802 |
| 154.309 | 37810.336 | 44830.379 | 30484.660 |
| 29.132 | 26.448 | 1.021 | |
| 10/13/2016 5:45:00 PM | 71100.000 | 68.505 | 16.799 |
| 154.315 | 37811.938 | 44834.867 | 30487.713 |
| 29.135 | 26.447 | 1.021 | |
| 10/13/2016 6:00:00 PM | 72000.000 | 68.506 | 16.803 |
| 154.317 | 37795.813 | 44811.645 | 30471.920 |
| 29.119 | 26.458 | 1.021 | |

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|---|---|---|---|
| 10/13/2016 6:15:00 PM | 72900.000 | 68.505 | 16.807 |
| 154.314 | 37796.027 | 44808.336 | 30469.670 |
| 29.117 | 26.458 | 1.021 | |
| 10/13/2016 6:30:00 PM | 73800.000 | 68.502 | 16.800 |
| 154.308 | 37810.555 | 44832.066 | 30485.805 |
| 29.133 | 26.448 | 1.021 | |
| 10/13/2016 6:45:00 PM | 74700.000 | 68.520 | 16.793 |
| 154.347 | 37786.281 | 44810.672 | 30471.260 |
| 29.118 | 26.465 | 1.021 | |
| 10/13/2016 7:00:00 PM | 75600.000 | 68.506 | 16.806 |
| 154.316 | 37760.102 | 44766.645 | 30441.320 |
| 29.086 | 26.483 | 1.021 | |
| 10/13/2016 7:15:00 PM | 76500.000 | 68.505 | 16.801 |
| 154.314 | 37808.359 | 44828.293 | 30483.242 |
| 29.131 | 26.449 | 1.021 | |
| 10/13/2016 7:30:00 PM | 77400.000 | 68.509 | 16.806 |
| 154.323 | 37789.809 | 44801.676 | 30465.141 |
| 29.112 | 26.462 | 1.021 | |
| 10/13/2016 7:45:00 PM | 78300.000 | 68.513 | 16.794 |
| 154.332 | 37743.824 | 44759.160 | 30436.230 |
| 29.080 | 26.494 | 1.021 | |
| 10/13/2016 8:00:00 PM | 79200.000 | 68.513 | 16.802 |
| 154.332 | 37776.293 | 44789.297 | 30456.725 |
| 29.103 | 26.472 | 1.021 | |
| 10/13/2016 8:15:00 PM | 80100.000 | 68.516 | 16.805 |
| 154.339 | 37786.977 | 44799.555 | 30463.699 |
| 29.110 | 26.464 | 1.021 | |
| 10/13/2016 8:30:00 PM | 81000.000 | 68.519 | 16.803 |
| 154.345 | 37788.566 | 44802.609 | 30465.777 |
| 29.112 | 26.463 | 1.021 | |
| 10/13/2016 8:45:00 PM | 81900.000 | 68.522 | 16.806 |
| 154.354 | 37760.883 | 44767.020 | 30441.576 |
| 29.087 | 26.482 | 1.021 | |
| 10/13/2016 9:00:00 PM | 82800.000 | 68.529 | 16.796 |
| 154.369 | 37772.086 | 44790.895 | 30457.809 |
| 29.103 | 26.475 | 1.021 | |
| 10/13/2016 9:15:00 PM | 83700.000 | 68.529 | 16.794 |
| 154.369 | 37766.102 | 44785.230 | 30453.959 |
| 29.099 | 26.479 | 1.021 | |
| 10/13/2016 9:30:00 PM | 84600.000 | 68.536 | 16.805 |
| 154.385 | 37822.992 | 44841.832 | 30492.447 |
| 29.141 | 26.439 | 1.021 | |
| 10/13/2016 9:45:00 PM | 85500.000 | 68.535 | 16.798 |
| 154.382 | 37792.496 | 44812.793 | 30472.699 |
| 29.119 | 26.460 | 1.021 | |
| 10/13/2016 10:00:00 PM | 86400.000 | 68.556 | 16.807 |
| 154.428 | 37811.648 | 44825.871 | 30481.594 |
| 29.129 | 26.447 | 1.021 | |
| 10/13/2016 10:15:00 PM | 87300.000 | 68.545 | 16.797 |
| 154.403 | 37768.508 | 44785.762 | 30454.318 |
| 29.100 | 26.477 | 1.021 | |
| 10/13/2016 10:30:00 PM | 88200.000 | 68.549 | 16.799 |
| 154.412 | 37794.402 | 44814.254 | 30473.695 |
| 29.120 | 26.459 | 1.021 | |
| 10/13/2016 10:45:00 PM | 89100.000 | 68.550 | 16.802 |
| 154.416 | 37764.871 | 44776.023 | 30447.697 |

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|---|---|---|---|
| 29.093 | 26.480 | 1.021 | |
| 10/13/2016 11:00:00 PM | 90000.000 | 68.552 | 16.803 |
| 154.420 | 37805.496 | 44823.480 | 30479.969 |
| 29.127 | 26.451 | 1.021 | |
| 10/13/2016 11:15:00 PM | 90900.000 | 68.552 | 16.803 |
| 154.420 | 37808.730 | 44827.410 | 30482.639 |
| 29.130 | 26.449 | 1.021 | |
| 10/13/2016 11:30:00 PM | 91800.000 | 68.571 | 16.807 |
| 154.463 | 37806.133 | 44819.957 | 30477.572 |
| 29.125 | 26.451 | 1.021 | |
| 10/13/2016 11:45:00 PM | 92700.000 | 68.558 | 16.795 |
| 154.435 | 37793.336 | 44816.898 | 30475.494 |
| 29.122 | 26.460 | 1.021 | |
| 10/14/2016 12:00:00 AM | 93600.000 | 68.561 | 16.793 |
| 154.440 | 37785.348 | 44808.953 | 30470.090 |
| 29.116 | 26.465 | 1.021 | |
| 10/14/2016 12:15:00 AM | 94500.000 | 68.558 | 16.802 |
| 154.435 | 37792.516 | 44808.531 | 30469.803 |
| 29.116 | 26.460 | 1.021 | |
| 10/14/2016 12:30:00 AM | 95400.000 | 68.574 | 16.801 |
| 154.469 | 37796.238 | 44814.551 | 30473.896 |
| 29.121 | 26.458 | 1.021 | |
| 10/14/2016 12:45:00 AM | 96300.000 | 68.557 | 16.805 |
| 154.432 | 37801.582 | 44816.871 | 30475.473 |
| 29.123 | 26.454 | 1.021 | |
| 10/14/2016 1:00:00 AM | 97200.000 | 68.562 | 16.799 |
| 154.441 | 37780.570 | 44797.574 | 30462.354 |
| 29.108 | 26.469 | 1.021 | |
| 10/14/2016 1:15:00 AM | 98100.000 | 68.558 | 16.798 |
| 154.435 | 37774.570 | 44791.180 | 30458.004 |
| 29.104 | 26.473 | 1.021 | |
| 10/14/2016 1:30:00 AM | 99000.000 | 68.556 | 16.799 |
| 154.428 | 37801.566 | 44822.652 | 30479.406 |
| 29.127 | 26.454 | 1.021 | |
| 10/14/2016 1:45:00 AM | 99900.000 | 68.570 | 16.803 |
| 154.461 | 37761.191 | 44770.418 | 30443.887 |
| 29.089 | 26.482 | 1.021 | |
| 10/14/2016 2:00:00 AM | 100800.000 | 68.554 | 16.790 |
| 154.425 | 37803.777 | 44834.539 | 30487.488 |
| 29.135 | 26.452 | 1.021 | |
| 10/14/2016 2:15:00 AM | 101700.000 | 68.549 | 16.802 |
| 154.414 | 37767.895 | 44779.262 | 30449.900 |
| 29.095 | 26.478 | 1.021 | |
| 10/14/2016 2:30:00 AM | 102600.000 | 68.552 | 16.802 |
| 154.420 | 37798.617 | 44815.867 | 30474.791 |
| 29.122 | 26.456 | 1.021 | |
| 10/14/2016 2:45:00 AM | 103500.000 | 68.546 | 16.811 |
| 154.407 | 37811.020 | 44821.742 | 30478.787 |
| 29.127 | 26.447 | 1.021 | |
| 10/14/2016 3:00:00 AM | 104400.000 | 68.544 | 16.803 |
| 154.402 | 37801.355 | 44817.773 | 30476.088 |
| 29.123 | 26.454 | 1.021 | |
| 10/14/2016 3:15:00 AM | 105300.000 | 68.542 | 16.807 |
| 154.397 | 37806.898 | 44821.133 | 30478.373 |
| 29.126 | 26.450 | 1.021 | |
| 10/14/2016 3:30:00 AM | 106200.000 | 68.537 | 16.801 |

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| 154.386 | 37808.598 | 44829.031 | 30483.744 |
| 29.131 | 26.449 | 1.021 | |
| 10/14/2016 3:45:00 AM | 107100.000 | 68.538 | 16.801 |
| 154.389 | 37766.328 | 44779.008 | 30449.729 |
| 29.095 | 26.479 | 1.021 | |
| 10/14/2016 4:00:00 AM | 108000.000 | 68.532 | 16.808 |
| 154.376 | 37808.516 | 44822.074 | 30479.014 |
| 29.127 | 26.449 | 1.021 | |
| 10/14/2016 4:15:00 AM | 108900.000 | 68.532 | 16.791 |
| 154.375 | 37800.680 | 44829.621 | 30484.145 |
| 29.131 | 26.455 | 1.021 | |
| 10/14/2016 4:30:00 AM | 109800.000 | 68.544 | 16.800 |
| 154.403 | 37811.469 | 44833.598 | 30486.850 |
| 29.134 | 26.447 | 1.021 | |
| 10/14/2016 4:45:00 AM | 110700.000 | 68.525 | 16.810 |
| 154.359 | 37790.305 | 44797.910 | 30462.582 |
| 29.109 | 26.462 | 1.021 | |
| 10/14/2016 5:00:00 AM | 111600.000 | 68.523 | 16.803 |
| 154.355 | 37791.195 | 44805.914 | 30468.023 |
| 29.115 | 26.461 | 1.021 | |
| 10/14/2016 5:15:00 AM | 112500.000 | 68.522 | 16.796 |
| 154.354 | 37746.449 | 44760.145 | 30436.898 |
| 29.081 | 26.493 | 1.021 | |
| 10/14/2016 5:30:00 AM | 113400.000 | 68.537 | 16.804 |
| 154.387 | 37818.164 | 44837.082 | 30489.217 |
| 29.137 | 26.442 | 1.021 | |
| 10/14/2016 5:45:00 AM | 114300.000 | 68.536 | 16.804 |
| 154.383 | 37786.582 | 44799.895 | 30463.930 |
| 29.110 | 26.464 | 1.021 | |
| 10/14/2016 6:00:00 AM | 115200.000 | 68.521 | 16.800 |
| 154.350 | 37770.039 | 44783.930 | 30453.074 |
| 29.099 | 26.476 | 1.021 | |
| 10/14/2016 6:15:00 AM | 116100.000 | 68.519 | 16.801 |
| 154.345 | 37806.223 | 44826.387 | 30481.945 |
| 29.129 | 26.451 | 1.021 | |
| 10/14/2016 6:30:00 AM | 117000.000 | 68.522 | 16.801 |
| 154.354 | 37786.633 | 44802.367 | 30465.611 |
| 29.112 | 26.464 | 1.021 | |
| 10/14/2016 6:45:00 AM | 117900.000 | 68.522 | 16.798 |
| 154.353 | 37795.234 | 44815.766 | 30474.723 |
| 29.121 | 26.458 | 1.021 | |
| 10/14/2016 7:00:00 AM | 118800.000 | 68.522 | 16.801 |
| 154.354 | 37793.984 | 44811.977 | 30472.145 |
| 29.119 | 26.459 | 1.021 | |
| 10/14/2016 7:15:00 AM | 119700.000 | 68.525 | 16.797 |
| 154.358 | 37770.996 | 44788.711 | 30456.326 |
| 29.102 | 26.475 | 1.021 | |
| 10/14/2016 7:30:00 AM | 120600.000 | 68.525 | 16.800 |
| 154.358 | 37777.191 | 44792.410 | 30458.842 |
| 29.105 | 26.471 | 1.021 | |
| 10/14/2016 7:45:00 AM | 121500.000 | 68.524 | 16.804 |
| 154.356 | 37829.367 | 44850.180 | 30498.125 |
| 29.147 | 26.434 | 1.021 | |
| 10/14/2016 8:00:00 AM | 122400.000 | 68.531 | 16.807 |
| 154.373 | 37835.590 | 44855.238 | 30501.564 |
| 29.150 | 26.430 | 1.021 | |

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| 10/14/2016 8:15:00 AM | 123300.000 | 68.532 | 16.798 |
| 154.375 | 37775.828 | 44793.285 | 30459.434 |
| 29.105 | 26.472 | 1.021 | |
| 10/14/2016 8:30:00 AM | 124200.000 | 68.552 | 16.814 |
| 154.420 | 37817.160 | 44826.266 | 30481.863 |
| 29.130 | 26.443 | 1.021 | |
| 10/14/2016 8:45:00 AM | 125100.000 | 68.544 | 16.809 |
| 154.402 | 37779.184 | 44785.523 | 30454.156 |
| 29.100 | 26.470 | 1.021 | |
| 10/14/2016 9:00:00 AM | 126000.000 | 68.548 | 16.804 |
| 154.411 | 37779.348 | 44790.699 | 30457.678 |
| 29.104 | 26.469 | 1.021 | |
| 10/14/2016 9:15:00 AM | 126900.000 | 68.567 | 16.801 |
| 154.454 | 37794.281 | 44812.328 | 30472.383 |
| 29.119 | 26.459 | 1.021 | |
| 10/14/2016 9:30:00 AM | 127800.000 | 68.556 | 16.799 |
| 154.429 | 37791.543 | 44810.863 | 30471.389 |
| 29.118 | 26.461 | 1.021 | |
| 10/14/2016 9:45:00 AM | 128700.000 | 68.559 | 16.796 |
| 154.437 | 37760.004 | 44776.492 | 30448.018 |
| 29.093 | 26.483 | 1.021 | |
| 10/14/2016 10:00:00 AM | 129600.000 | 68.566 | 16.805 |
| 154.451 | 37824.727 | 44844.227 | 30494.076 |
| 29.142 | 26.438 | 1.021 | |
| 10/14/2016 10:15:00 AM | 130500.000 | 68.571 | 16.801 |
| 154.463 | 37780.180 | 44795.160 | 30460.711 |
| 29.107 | 26.469 | 1.021 | |
| 10/14/2016 10:30:00 AM | 131400.000 | 68.573 | 16.798 |
| 154.468 | 37784.723 | 44803.750 | 30466.553 |
| 29.113 | 26.466 | 1.021 | |
| 10/14/2016 10:45:00 AM | 132300.000 | 68.583 | 16.805 |
| 154.490 | 37807.031 | 44822.809 | 30479.512 |
| 29.127 | 26.450 | 1.021 | |
| 10/14/2016 11:00:00 AM | 133200.000 | 68.585 | 16.798 |
| 154.495 | 37794.660 | 44815.535 | 30474.566 |
| 29.121 | 26.459 | 1.021 | |
| 10/14/2016 11:15:00 AM | 134100.000 | 68.588 | 16.798 |
| 154.500 | 37774.566 | 44791.438 | 30458.180 |
| 29.104 | 26.473 | 1.021 | |
| 10/14/2016 11:30:00 AM | 135000.000 | 68.594 | 16.799 |
| 154.514 | 37790.676 | 44809.113 | 30470.199 |
| 29.117 | 26.462 | 1.021 | |
| 10/14/2016 11:45:00 AM | 135900.000 | 68.597 | 16.788 |
| 154.522 | 37736.785 | 44756.512 | 30434.430 |
| 29.078 | 26.499 | 1.021 | |
| 10/14/2016 12:00:00 PM | 136800.000 | 68.602 | 16.801 |
| 154.533 | 37769.734 | 44782.496 | 30452.100 |
| 29.098 | 26.476 | 1.021 | |
| 10/14/2016 12:15:00 PM | 137700.000 | 68.604 | 16.798 |
| 154.536 | 37792.336 | 44812.152 | 30472.266 |
| 29.119 | 26.460 | 1.021 | |
| 10/14/2016 12:30:00 PM | 138600.000 | 68.608 | 16.802 |
| 154.546 | 37803.895 | 44822.121 | 30479.045 |
| 29.126 | 26.452 | 1.021 | |
| 10/14/2016 12:45:00 PM | 139500.000 | 68.608 | 16.799 |
| 154.547 | 37798.828 | 44818.777 | 30476.770 |

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|---|---|---|---|
| 29.124 | 26.456 | 1.021 | |
| 10/14/2016 1:00:00 PM | 140400.000 | 68.630 | 16.805 |
| 154.596 | 37814.762 | 44832.496 | 30486.100 |
| 29.134 | 26.445 | 1.021 | |
| 10/14/2016 1:15:00 PM | 141300.000 | 68.613 | 16.805 |
| 154.558 | 37770.855 | 44779.832 | 30450.287 |
| 29.096 | 26.475 | 1.021 | |
| 10/14/2016 1:30:00 PM | 142200.000 | 68.630 | 16.807 |
| 154.596 | 37793.441 | 44804.285 | 30466.916 |
| 29.114 | 26.460 | 1.021 | |
| 10/14/2016 1:45:00 PM | 143100.000 | 68.618 | 16.804 |
| 154.569 | 37773.680 | 44784.070 | 30453.168 |
| 29.099 | 26.473 | 1.021 | |
| 10/14/2016 2:00:00 PM | 144000.000 | 68.614 | 16.800 |
| 154.559 | 37821.449 | 44845.430 | 30494.895 |
| 29.143 | 26.440 | 1.021 | |
| 10/14/2016 2:15:00 PM | 144900.000 | 68.615 | 16.802 |
| 154.562 | 37770.395 | 44782.660 | 30452.211 |
| 29.098 | 26.476 | 1.021 | |
| 10/14/2016 2:30:00 PM | 145800.000 | 68.611 | 16.804 |
| 154.554 | 37802.824 | 44819.074 | 30476.973 |
| 29.124 | 26.453 | 1.021 | |
| 10/14/2016 2:45:00 PM | 146700.000 | 68.611 | 16.794 |
| 154.554 | 37799.219 | 44824.598 | 30480.729 |
| 29.128 | 26.456 | 1.021 | |
| 10/14/2016 3:00:00 PM | 147600.000 | 68.614 | 16.802 |
| 154.559 | 37810.141 | 44829.430 | 30484.012 |
| 29.132 | 26.448 | 1.021 | |
| 10/14/2016 3:15:00 PM | 148500.000 | 68.627 | 16.798 |
| 154.589 | 37776.086 | 44792.883 | 30459.162 |
| 29.105 | 26.472 | 1.021 | |
| 10/14/2016 3:30:00 PM | 149400.000 | 68.608 | 16.799 |
| 154.545 | 37797.773 | 44817.973 | 30476.225 |
| 29.123 | 26.457 | 1.021 | |
| 10/14/2016 3:45:00 PM | 150300.000 | 68.608 | 16.791 |
| 154.545 | 37805.828 | 44835.902 | 30488.414 |
| 29.136 | 26.451 | 1.021 | |
| 10/14/2016 4:00:00 PM | 151200.000 | 68.604 | 16.800 |
| 154.537 | 37798.266 | 44817.313 | 30475.775 |
| 29.123 | 26.456 | 1.021 | |
| 10/14/2016 4:15:00 PM | 152100.000 | 68.601 | 16.802 |
| 154.529 | 37798.336 | 44816.063 | 30474.924 |
| 29.122 | 26.456 | 1.021 | |
| 10/14/2016 4:30:00 PM | 153000.000 | 68.613 | 16.804 |
| 154.557 | 37812.328 | 44830.238 | 30484.564 |
| 29.132 | 26.446 | 1.021 | |
| 10/14/2016 4:45:00 PM | 153900.000 | 68.597 | 16.810 |
| 154.522 | 37794.684 | 44803.180 | 30466.164 |
| 29.113 | 26.459 | 1.021 | |
| 10/14/2016 5:00:00 PM | 154800.000 | 68.593 | 16.806 |
| 154.513 | 37822.816 | 44840.367 | 30491.451 |
| 29.140 | 26.439 | 1.021 | |
| 10/14/2016 5:15:00 PM | 155700.000 | 68.593 | 16.807 |
| 154.512 | 37808.082 | 44822.102 | 30479.031 |
| 29.127 | 26.449 | 1.021 | |
| 10/14/2016 5:30:00 PM | 156600.000 | 68.592 | 16.803 |

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|---|---|---|---|
| 154.509 | 37829.148 | 44850.910 | 30498.621 |
| 29.147 | 26.435 | 1.021 | |
| 10/14/2016 5:45:00 PM | 157500.000 | 68.603 | 16.810 |
| 154.536 | 37772.266 | 44776.430 | 30447.973 |
| 29.094 | 26.474 | 1.021 | |
| 10/14/2016 6:00:00 PM | 158400.000 | 68.592 | 16.804 |
| 154.510 | 37792.402 | 44806.449 | 30468.387 |
| 29.115 | 26.460 | 1.021 | |
| 10/14/2016 6:15:00 PM | 159300.000 | 68.587 | 16.798 |
| 154.499 | 37775.824 | 44792.664 | 30459.014 |
| 29.105 | 26.472 | 1.021 | |
| 10/14/2016 6:30:00 PM | 160200.000 | 68.604 | 16.807 |
| 154.538 | 37786.219 | 44796.352 | 30461.521 |
| 29.108 | 26.465 | 1.021 | |
| 10/14/2016 6:45:00 PM | 161100.000 | 68.590 | 16.801 |
| 154.505 | 37772.480 | 44786.113 | 30454.557 |
| 29.100 | 26.474 | 1.021 | |
| 10/14/2016 7:00:00 PM | 162000.000 | 68.587 | 16.804 |
| 154.498 | 37820.309 | 44839.176 | 30490.643 |
| 29.139 | 26.441 | 1.021 | |
| 10/14/2016 7:15:00 PM | 162900.000 | 68.591 | 16.800 |
| 154.507 | 37792.203 | 44810.043 | 30470.830 |
| 29.117 | 26.460 | 1.021 | |
| 10/14/2016 7:30:00 PM | 163800.000 | 68.607 | 16.797 |
| 154.544 | 37790.301 | 44811.074 | 30471.533 |
| 29.118 | 26.462 | 1.021 | |
| 10/14/2016 7:45:00 PM | 164700.000 | 68.594 | 16.797 |
| 154.514 | 37787.418 | 44807.750 | 30469.271 |
| 29.116 | 26.464 | 1.021 | |
| 10/14/2016 8:00:00 PM | 165600.000 | 68.591 | 16.795 |
| 154.508 | 37822.887 | 44852.117 | 30499.441 |
| 29.148 | 26.439 | 1.021 | |
| 10/14/2016 8:15:00 PM | 166500.000 | 68.602 | 16.803 |
| 154.533 | 37810.348 | 44828.520 | 30483.396 |
| 29.131 | 26.448 | 1.021 | |
| 10/14/2016 8:30:00 PM | 167400.000 | 68.601 | 16.804 |
| 154.532 | 37816.293 | 44834.594 | 30487.523 |
| 29.135 | 26.444 | 1.021 | |
| 10/14/2016 8:45:00 PM | 168300.000 | 68.623 | 16.798 |
| 154.581 | 37752.668 | 44765.293 | 30440.400 |
| 29.085 | 26.488 | 1.021 | |
| 10/14/2016 9:00:00 PM | 169200.000 | 68.609 | 16.802 |
| 154.548 | 37824.613 | 44847.133 | 30496.053 |
| 29.144 | 26.438 | 1.021 | |
| 10/14/2016 9:15:00 PM | 170100.000 | 68.613 | 16.800 |
| 154.557 | 37770.730 | 44785.383 | 30454.061 |
| 29.100 | 26.476 | 1.021 | |
| 10/14/2016 9:30:00 PM | 171000.000 | 68.618 | 16.803 |
| 154.569 | 37782.973 | 44796.063 | 30461.322 |
| 29.108 | 26.467 | 1.021 | |
| 10/14/2016 9:45:00 PM | 171900.000 | 68.624 | 16.807 |
| 154.581 | 37804.160 | 44817.172 | 30475.680 |
| 29.123 | 26.452 | 1.021 | |
| 10/14/2016 10:00:00 PM | 172800.000 | 68.625 | 16.799 |
| 154.585 | 37789.813 | 44808.813 | 30469.994 |
| 29.117 | 26.462 | 1.021 | |

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| 10/14/2016 10:15:00 PM | 173700.000 | 68.644 | 16.800 |
| 154.628 | 37793.449 | 44811.871 | 30472.074 |
| 29.119 | 26.460 | 1.021 | |
| 10/14/2016 10:30:00 PM | 174600.000 | 68.649 | 16.796 |
| 154.640 | 37796.391 | 44819.273 | 30477.105 |
| 29.124 | 26.458 | 1.021 | |
| 10/14/2016 10:45:00 PM | 175500.000 | 68.640 | 16.799 |
| 154.618 | 37750.879 | 44762.020 | 30438.176 |
| 29.083 | 26.489 | 1.021 | |
| 10/14/2016 11:00:00 PM | 176400.000 | 68.638 | 16.804 |
| 154.615 | 37803.016 | 44819.301 | 30477.127 |
| 29.124 | 26.453 | 1.021 | |
| 10/14/2016 11:15:00 PM | 177300.000 | 68.657 | 16.797 |
| 154.657 | 37758.609 | 44773.313 | 30445.854 |
| 29.091 | 26.484 | 1.021 | |
| 10/14/2016 11:30:00 PM | 178200.000 | 68.652 | 16.799 |
| 154.645 | 37787.098 | 44804.871 | 30467.314 |
| 29.114 | 26.464 | 1.021 | |
| 10/14/2016 11:45:00 PM | 179100.000 | 68.655 | 16.796 |
| 154.651 | 37801.344 | 44825.766 | 30481.523 |
| 29.129 | 26.454 | 1.021 | |
| 10/15/2016 12:00:00 AM | 180000.000 | 68.655 | 16.797 |
| 154.651 | 37799.230 | 44822.285 | 30479.156 |
| 29.126 | 26.456 | 1.021 | |
| 10/15/2016 12:15:00 AM | 180900.000 | 68.661 | 16.795 |
| 154.665 | 37798.570 | 44822.926 | 30479.592 |
| 29.126 | 26.456 | 1.021 | |
| 10/15/2016 12:30:00 AM | 181800.000 | 68.660 | 16.792 |
| 154.664 | 37793.355 | 44819.863 | 30477.508 |
| 29.124 | 26.460 | 1.021 | |
| 10/15/2016 12:45:00 AM | 182700.000 | 68.665 | 16.794 |
| 154.675 | 37767.449 | 44787.539 | 30455.527 |
| 29.101 | 26.478 | 1.021 | |
| 10/15/2016 1:00:00 AM | 183600.000 | 68.663 | 16.790 |
| 154.670 | 37780.133 | 44806.320 | 30468.301 |
| 29.114 | 26.469 | 1.021 | |
| 10/15/2016 1:15:00 AM | 184500.000 | 68.665 | 16.799 |
| 154.674 | 37795.059 | 44815.203 | 30474.338 |
| 29.121 | 26.458 | 1.021 | |
| 10/15/2016 1:30:00 AM | 185400.000 | 68.683 | 16.803 |
| 154.715 | 37775.797 | 44787.469 | 30455.480 |
| 29.101 | 26.472 | 1.021 | |
| 10/15/2016 1:45:00 AM | 186300.000 | 68.683 | 16.806 |
| 154.715 | 37805.449 | 44819.590 | 30477.324 |
| 29.125 | 26.451 | 1.021 | |
| 10/15/2016 2:00:00 AM | 187200.000 | 68.668 | 16.808 |
| 154.680 | 37819.836 | 44835.316 | 30488.016 |
| 29.136 | 26.441 | 1.021 | |
| 10/15/2016 2:15:00 AM | 188100.000 | 68.667 | 16.810 |
| 154.678 | 37776.691 | 44781.770 | 30451.605 |
| 29.098 | 26.471 | 1.021 | |
| 10/15/2016 2:30:00 AM | 189000.000 | 68.666 | 16.807 |
| 154.676 | 37811.410 | 44825.684 | 30481.467 |
| 29.129 | 26.447 | 1.021 | |
| 10/15/2016 2:45:00 AM | 189900.000 | 68.666 | 16.809 |
| 154.677 | 37815.406 | 44828.629 | 30483.471 |

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|---|---|---|---|
| 29.131 | 26.444 | 1.021 | |
| 10/15/2016 3:00:00 AM | 190800.000 | 68.664 | 16.800 |
| 154.673 | 37783.719 | 44799.984 | 30463.990 |
| 29.110 | 26.466 | 1.021 | |
| 10/15/2016 3:15:00 AM | 191700.000 | 68.677 | 16.801 |
| 154.702 | 37769.449 | 44782.078 | 30451.814 |
| 29.097 | 26.476 | 1.021 | |
| 10/15/2016 3:30:00 AM | 192600.000 | 68.657 | 16.797 |
| 154.656 | 37774.254 | 44792.668 | 30459.016 |
| 29.105 | 26.473 | 1.021 | |
| 10/15/2016 3:45:00 AM | 193500.000 | 68.659 | 16.801 |
| 154.662 | 37805.781 | 44825.336 | 30481.230 |
| 29.129 | 26.451 | 1.021 | |
| 10/15/2016 4:00:00 AM | 194400.000 | 68.653 | 16.804 |
| 154.647 | 37794.875 | 44809.199 | 30470.256 |
| 29.117 | 26.459 | 1.021 | |
| 10/15/2016 4:15:00 AM | 195300.000 | 68.655 | 16.807 |
| 154.652 | 37780.355 | 44789.316 | 30456.738 |
| 29.103 | 26.469 | 1.021 | |
| 10/15/2016 4:30:00 AM | 196200.000 | 68.653 | 16.804 |
| 154.648 | 37773.531 | 44783.801 | 30452.986 |
| 29.099 | 26.474 | 1.021 | |
| 10/15/2016 4:45:00 AM | 197100.000 | 68.649 | 16.797 |
| 154.638 | 37811.164 | 44836.258 | 30488.656 |
| 29.136 | 26.447 | 1.021 | |
| 10/15/2016 5:00:00 AM | 198000.000 | 68.651 | 16.808 |
| 154.643 | 37821.055 | 44836.402 | 30488.756 |
| 29.137 | 26.440 | 1.021 | |
| 10/15/2016 5:15:00 AM | 198900.000 | 68.647 | 16.804 |
| 154.633 | 37788.211 | 44802.098 | 30465.428 |
| 29.112 | 26.463 | 1.021 | |
| 10/15/2016 5:30:00 AM | 199800.000 | 68.647 | 16.799 |
| 154.634 | 37788.410 | 44807.055 | 30468.797 |
| 29.115 | 26.463 | 1.021 | |
| 10/15/2016 5:45:00 AM | 200700.000 | 68.647 | 16.797 |
| 154.635 | 37793.172 | 44814.398 | 30473.793 |
| 29.120 | 26.460 | 1.021 | |
| 10/15/2016 6:00:00 AM | 201600.000 | 68.659 | 16.807 |
| 154.662 | 37821.352 | 44837.469 | 30489.479 |
| 29.138 | 26.440 | 1.021 | |
| 10/15/2016 6:15:00 AM | 202500.000 | 68.641 | 16.803 |
| 154.622 | 37789.293 | 44804.184 | 30466.846 |
| 29.113 | 26.463 | 1.021 | |
| 10/15/2016 6:30:00 AM | 203400.000 | 68.641 | 16.807 |
| 154.622 | 37787.379 | 44797.195 | 30462.096 |
| 29.109 | 26.464 | 1.021 | |
| 10/15/2016 6:45:00 AM | 204300.000 | 68.642 | 16.803 |
| 154.623 | 37780.707 | 44793.816 | 30459.797 |
| 29.106 | 26.469 | 1.021 | |
| 10/15/2016 7:00:00 AM | 205200.000 | 68.641 | 16.801 |
| 154.621 | 37785.840 | 44801.953 | 30465.330 |
| 29.112 | 26.465 | 1.021 | |
| 10/15/2016 7:15:00 AM | 206100.000 | 68.645 | 16.803 |
| 154.628 | 37790.332 | 44805.316 | 30467.617 |
| 29.114 | 26.462 | 1.021 | |
| 10/15/2016 7:30:00 AM | 207000.000 | 68.648 | 16.805 |

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| 154.636 | 37773.207 | 44783.059 | 30452.482 |
| 29.098 | 26.474 | 1.021 | |
| 10/15/2016 7:45:00 AM | 207900.000 | 68.647 | 16.795 |
| 154.634 | 37772.316 | 44792.059 | 30458.602 |
| 29.104 | 26.474 | 1.021 | |
| 10/15/2016 8:00:00 AM | 208800.000 | 68.655 | 16.793 |
| 154.652 | 37787.840 | 44812.332 | 30472.387 |
| 29.119 | 26.464 | 1.021 | |
| 10/15/2016 8:15:00 AM | 209700.000 | 68.652 | 16.797 |
| 154.646 | 37761.609 | 44777.672 | 30448.818 |
| 29.094 | 26.482 | 1.021 | |
| 10/15/2016 8:30:00 AM | 210600.000 | 68.672 | 16.809 |
| 154.689 | 37813.809 | 44826.660 | 30482.131 |
| 29.130 | 26.445 | 1.021 | |
| 10/15/2016 8:45:00 AM | 211500.000 | 68.663 | 16.806 |
| 154.670 | 37752.453 | 44756.949 | 30434.729 |
| 29.079 | 26.488 | 1.021 | |
| 10/15/2016 9:00:00 AM | 212400.000 | 68.661 | 16.805 |
| 154.665 | 37800.711 | 44815.840 | 30474.773 |
| 29.122 | 26.455 | 1.021 | |
| 10/15/2016 9:15:00 AM | 213300.000 | 68.683 | 16.806 |
| 154.716 | 37790.063 | 44801.801 | 30465.225 |
| 29.112 | 26.462 | 1.021 | |
| 10/15/2016 9:30:00 AM | 214200.000 | 68.672 | 16.811 |
| 154.690 | 37828.816 | 44842.840 | 30493.131 |
| 29.142 | 26.435 | 1.021 | |
| 10/15/2016 9:45:00 AM | 215100.000 | 68.676 | 16.805 |
| 154.700 | 37783.656 | 44795.535 | 30460.967 |
| 29.107 | 26.466 | 1.021 | |
| 10/15/2016 10:00:00 AM | 216000.000 | 68.703 | 16.811 |
| 154.760 | 37796.621 | 44804.324 | 30466.943 |
| 29.114 | 26.457 | 1.021 | |
| 10/15/2016 10:15:00 AM | 216900.000 | 68.692 | 16.799 |
| 154.735 | 37806.340 | 44828.043 | 30483.072 |
| 29.130 | 26.451 | 1.021 | |
| 10/15/2016 10:30:00 AM | 217800.000 | 68.693 | 16.806 |
| 154.737 | 37786.328 | 44797.637 | 30462.395 |
| 29.109 | 26.465 | 1.021 | |
| 10/15/2016 10:45:00 AM | 218700.000 | 68.700 | 16.807 |
| 154.754 | 37791.570 | 44802.066 | 30465.408 |
| 29.112 | 26.461 | 1.021 | |
| 10/15/2016 11:00:00 AM | 219600.000 | 68.703 | 16.804 |
| 154.760 | 37768.375 | 44778.055 | 30449.080 |
| 29.095 | 26.477 | 1.021 | |
| 10/15/2016 11:15:00 AM | 220500.000 | 68.725 | 16.805 |
| 154.809 | 37779.066 | 44789.379 | 30456.779 |
| 29.103 | 26.470 | 1.021 | |
| 10/15/2016 11:30:00 AM | 221400.000 | 68.733 | 16.806 |
| 154.827 | 37773.629 | 44782.410 | 30452.039 |
| 29.098 | 26.473 | 1.021 | |
| 10/15/2016 11:45:00 AM | 222300.000 | 68.720 | 16.803 |
| 154.798 | 37785.078 | 44799.367 | 30463.572 |
| 29.110 | 26.465 | 1.021 | |
| 10/15/2016 12:00:00 PM | 223200.000 | 68.724 | 16.810 |
| 154.807 | 37809.066 | 44820.230 | 30477.758 |
| 29.125 | 26.449 | 1.021 | |

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| 10/15/2016 12:15:00 PM | 224100.000 | 68.727 | 16.803 |
| 154.815 | 37774.418 | 44786.727 | 30454.975 |
| 29.101 | 26.473 | 1.021 | |
| 10/15/2016 12:30:00 PM | 225000.000 | 68.748 | 16.797 |
| 154.861 | 37815.918 | 44841.719 | 30492.371 |
| 29.140 | 26.444 | 1.021 | |
| 10/15/2016 12:45:00 PM | 225900.000 | 68.751 | 16.806 |
| 154.868 | 37783.145 | 44793.961 | 30459.896 |
| 29.106 | 26.467 | 1.021 | |
| 10/15/2016 1:00:00 PM | 226800.000 | 68.742 | 16.794 |
| 154.849 | 37770.617 | 44790.754 | 30457.715 |
| 29.103 | 26.476 | 1.021 | |
| 10/15/2016 1:15:00 PM | 227700.000 | 68.744 | 16.795 |
| 154.852 | 37771.969 | 44791.922 | 30458.510 |
| 29.104 | 26.475 | 1.021 | |
| 10/15/2016 1:30:00 PM | 228600.000 | 68.743 | 16.793 |
| 154.849 | 37767.703 | 44788.730 | 30456.340 |
| 29.102 | 26.478 | 1.021 | |
| 10/15/2016 1:45:00 PM | 229500.000 | 68.760 | 16.805 |
| 154.888 | 37794.930 | 44808.813 | 30469.994 |
| 29.117 | 26.459 | 1.021 | |
| 10/15/2016 2:00:00 PM | 230400.000 | 68.743 | 16.807 |
| 154.851 | 37774.695 | 44782.688 | 30452.230 |
| 29.098 | 26.473 | 1.021 | |
| 10/15/2016 2:15:00 PM | 231300.000 | 68.745 | 16.802 |
| 154.855 | 37763.496 | 44774.844 | 30446.896 |
| 29.092 | 26.481 | 1.021 | |
| 10/15/2016 2:30:00 PM | 232200.000 | 68.743 | 16.804 |
| 154.851 | 37801.715 | 44817.395 | 30475.830 |
| 29.123 | 26.454 | 1.021 | |
| 10/15/2016 2:45:00 PM | 233100.000 | 68.744 | 16.792 |
| 154.853 | 37757.988 | 44778.184 | 30449.168 |
| 29.094 | 26.484 | 1.021 | |
| 10/15/2016 3:00:00 PM | 234000.000 | 68.743 | 16.795 |
| 154.851 | 37776.574 | 44796.844 | 30461.855 |
| 29.108 | 26.471 | 1.021 | |
| 10/15/2016 3:15:00 PM | 234900.000 | 68.759 | 16.801 |
| 154.887 | 37758.977 | 44769.578 | 30443.314 |
| 29.088 | 26.484 | 1.021 | |
| 10/15/2016 3:30:00 PM | 235800.000 | 68.740 | 16.803 |
| 154.845 | 37809.824 | 44828.172 | 30483.158 |
| 29.131 | 26.448 | 1.021 | |
| 10/15/2016 3:45:00 PM | 236700.000 | 68.737 | 16.812 |
| 154.836 | 37784.961 | 44789.527 | 30456.881 |
| 29.103 | 26.466 | 1.021 | |
| 10/15/2016 4:00:00 PM | 237600.000 | 68.736 | 16.794 |
| 154.835 | 37826.266 | 44857.375 | 30503.018 |
| 29.151 | 26.437 | 1.021 | |
| 10/15/2016 4:15:00 PM | 238500.000 | 68.730 | 16.790 |
| 154.820 | 37804.824 | 44835.781 | 30488.332 |
| 29.135 | 26.452 | 1.021 | |
| 10/15/2016 4:30:00 PM | 239400.000 | 68.723 | 16.794 |
| 154.806 | 37764.727 | 44784.219 | 30453.271 |
| 29.098 | 26.480 | 1.021 | |
| 10/15/2016 4:45:00 PM | 240300.000 | 68.739 | 16.796 |
| 154.841 | 37792.992 | 44815.785 | 30474.734 |

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| 29.121 | 26.460 | 1.021 | |
| 10/15/2016 5:00:00 PM | 241200.000 | 68.717 | 16.807 |
| 154.791 | 37849.723 | 44871.367 | 30512.531 |
| 29.162 | 26.420 | 1.021 | |
| 10/15/2016 5:15:00 PM | 242100.000 | 68.713 | 16.805 |
| 154.783 | 37793.230 | 44806.359 | 30468.326 |
| 29.115 | 26.460 | 1.021 | |
| 10/15/2016 5:30:00 PM | 243000.000 | 68.709 | 16.803 |
| 154.774 | 37762.090 | 44771.406 | 30444.557 |
| 29.090 | 26.482 | 1.021 | |
| 10/15/2016 5:45:00 PM | 243900.000 | 68.724 | 16.803 |
| 154.807 | 37772.273 | 44783.648 | 30452.883 |
| 29.099 | 26.474 | 1.021 | |
| 10/15/2016 6:00:00 PM | 244800.000 | 68.707 | 16.799 |
| 154.768 | 37798.434 | 44818.582 | 30476.639 |
| 29.124 | 26.456 | 1.021 | |
| 10/15/2016 6:15:00 PM | 245700.000 | 68.707 | 16.796 |
| 154.768 | 37771.895 | 44790.047 | 30457.234 |
| 29.103 | 26.475 | 1.021 | |
| 10/15/2016 6:30:00 PM | 246600.000 | 68.700 | 16.803 |
| 154.754 | 37783.508 | 44796.879 | 30461.879 |
| 29.108 | 26.467 | 1.021 | |
| 10/15/2016 6:45:00 PM | 247500.000 | 68.702 | 16.802 |
| 154.759 | 37783.977 | 44799.035 | 30463.344 |
| 29.110 | 26.466 | 1.021 | |
| 10/15/2016 7:00:00 PM | 248400.000 | 68.697 | 16.796 |
| 154.746 | 37765.156 | 44782.602 | 30452.172 |
| 29.097 | 26.479 | 1.021 | |
| 10/15/2016 7:15:00 PM | 249300.000 | 68.694 | 16.802 |
| 154.741 | 37802.707 | 44820.887 | 30478.205 |
| 29.125 | 26.453 | 1.021 | |
| 10/15/2016 7:30:00 PM | 250200.000 | 68.711 | 16.800 |
| 154.779 | 37795.020 | 44813.910 | 30473.461 |
| 29.120 | 26.459 | 1.021 | |
| 10/15/2016 7:45:00 PM | 251100.000 | 68.696 | 16.797 |
| 154.745 | 37763.219 | 44779.406 | 30449.996 |
| 29.095 | 26.481 | 1.021 | |
| 10/15/2016 8:00:00 PM | 252000.000 | 68.695 | 16.801 |
| 154.743 | 37769.836 | 44782.453 | 30452.070 |
| 29.098 | 26.476 | 1.021 | |
| 10/15/2016 8:15:00 PM | 252900.000 | 68.698 | 16.798 |
| 154.749 | 37805.516 | 44827.871 | 30482.953 |
| 29.130 | 26.451 | 1.021 | |
| 10/15/2016 8:30:00 PM | 253800.000 | 68.694 | 16.806 |
| 154.740 | 37782.168 | 44791.992 | 30458.555 |
| 29.105 | 26.468 | 1.021 | |
| 10/15/2016 8:45:00 PM | 254700.000 | 68.691 | 16.811 |
| 154.734 | 37796.434 | 44804.453 | 30467.031 |
| 29.114 | 26.458 | 1.021 | |
| 10/15/2016 9:00:00 PM | 255600.000 | 68.711 | 16.805 |
| 154.779 | 37787.645 | 44799.551 | 30463.697 |
| 29.110 | 26.464 | 1.021 | |
| 10/15/2016 9:15:00 PM | 256500.000 | 68.704 | 16.805 |
| 154.763 | 37779.234 | 44789.676 | 30456.982 |
| 29.103 | 26.470 | 1.021 | |
| 10/15/2016 9:30:00 PM | 257400.000 | 68.709 | 16.800 |

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|---|---|---|---|
| 154.774 | 37771.500 | 44786.020 | 30454.496 |
| 29.100 | 26.475 | 1.021 | |
| 10/15/2016 9:45:00 PM | 258300.000 | 68.725 | 16.804 |
| 154.810 | 37751.195 | 44758.039 | 30435.469 |
| 29.080 | 26.489 | 1.021 | |
| 10/15/2016 10:00:00 PM | 259200.000 | 68.708 | 16.804 |
| 154.770 | 37816.035 | 44834.816 | 30487.676 |
| 29.136 | 26.444 | 1.021 | |
| 10/15/2016 10:15:00 PM | 260100.000 | 68.717 | 16.799 |
| 154.793 | 37784.953 | 44802.500 | 30465.701 |
| 29.112 | 26.466 | 1.021 | |
| 10/15/2016 10:30:00 PM | 261000.000 | 68.718 | 16.795 |
| 154.794 | 37798.352 | 44823.023 | 30479.658 |
| 29.127 | 26.456 | 1.021 | |
| 10/15/2016 10:45:00 PM | 261900.000 | 68.738 | 16.801 |
| 154.838 | 37757.250 | 44767.973 | 30442.225 |
| 29.087 | 26.485 | 1.021 | |
| 10/15/2016 11:00:00 PM | 262800.000 | 68.728 | 16.802 |
| 154.816 | 37826.875 | 44849.371 | 30497.574 |
| 29.146 | 26.436 | 1.021 | |
| 10/15/2016 11:15:00 PM | 263700.000 | 68.734 | 16.802 |
| 154.829 | 37779.313 | 44792.879 | 30459.160 |
| 29.105 | 26.470 | 1.021 | |
| 10/15/2016 11:30:00 PM | 264600.000 | 68.750 | 16.805 |
| 154.867 | 37793.590 | 44806.598 | 30468.488 |
| 29.115 | 26.460 | 1.021 | |
| 10/15/2016 11:45:00 PM | 265500.000 | 68.740 | 16.800 |
| 154.845 | 37781.875 | 44798.594 | 30463.047 |
| 29.109 | 26.468 | 1.021 | |
| 10/16/2016 12:00:00 AM | 266400.000 | 68.743 | 16.806 |
| 154.851 | 37796.000 | 44808.754 | 30469.955 |
| 29.117 | 26.458 | 1.021 | |
| 10/16/2016 12:15:00 AM | 267300.000 | 68.762 | 16.807 |
| 154.893 | 37755.363 | 44759.145 | 30436.221 |
| 29.081 | 26.486 | 1.021 | |
| 10/16/2016 12:30:00 AM | 268200.000 | 68.751 | 16.804 |
| 154.869 | 37808.738 | 44826.262 | 30481.859 |
| 29.129 | 26.449 | 1.021 | |
| 10/16/2016 12:45:00 AM | 269100.000 | 68.769 | 16.805 |
| 154.909 | 37799.363 | 44814.156 | 30473.629 |
| 29.121 | 26.455 | 1.021 | |
| 10/16/2016 1:00:00 AM | 270000.000 | 68.776 | 16.806 |
| 154.924 | 37799.270 | 44812.453 | 30472.469 |
| 29.120 | 26.456 | 1.021 | |
| 10/16/2016 1:15:00 AM | 270900.000 | 68.776 | 16.809 |
| 154.924 | 37797.051 | 44806.613 | 30468.500 |
| 29.116 | 26.457 | 1.021 | |
| 10/16/2016 1:30:00 AM | 271800.000 | 68.762 | 16.801 |
| 154.893 | 37815.719 | 44837.297 | 30489.363 |
| 29.137 | 26.444 | 1.021 | |
| 10/16/2016 1:45:00 AM | 272700.000 | 68.765 | 16.791 |
| 154.899 | 37768.078 | 44791.227 | 30458.037 |
| 29.103 | 26.477 | 1.021 | |
| 10/16/2016 2:00:00 AM | 273600.000 | 68.767 | 16.803 |
| 154.904 | 37813.375 | 44832.734 | 30486.262 |
| 29.134 | 26.446 | 1.021 | |

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|---|---|---|---|
| 10/16/2016 2:15:00 AM | 274500.000 | 68.771 | 16.814 |
| 154.914 | 37768.313 | 44767.840 | 30442.133 |
| 29.088 | 26.477 | 1.021 | |
| 10/16/2016 2:30:00 AM | 275400.000 | 68.772 | 16.803 |
| 154.916 | 37797.469 | 44814.059 | 30473.563 |
| 29.121 | 26.457 | 1.021 | |
| 10/16/2016 2:45:00 AM | 276300.000 | 68.785 | 16.805 |
| 154.946 | 37785.766 | 44797.695 | 30462.436 |
| 29.109 | 26.465 | 1.021 | |
| 10/16/2016 3:00:00 AM | 277200.000 | 68.773 | 16.805 |
| 154.919 | 37766.563 | 44775.355 | 30447.242 |
| 29.093 | 26.478 | 1.021 | |
| 10/16/2016 3:15:00 AM | 278100.000 | 68.774 | 16.807 |
| 154.921 | 37783.508 | 44793.238 | 30459.404 |
| 29.106 | 26.467 | 1.021 | |
| 10/16/2016 3:30:00 AM | 279000.000 | 68.778 | 16.818 |
| 154.930 | 37787.516 | 44787.043 | 30455.191 |
| 29.102 | 26.464 | 1.021 | |
| 10/16/2016 3:45:00 AM | 279900.000 | 68.771 | 16.804 |
| 154.914 | 37770.754 | 44780.602 | 30450.809 |
| 29.096 | 26.476 | 1.021 | |
| 10/16/2016 4:00:00 AM | 280800.000 | 68.776 | 16.816 |
| 154.926 | 37779.484 | 44778.930 | 30449.672 |
| 29.096 | 26.469 | 1.021 | |
| 10/16/2016 4:15:00 AM | 281700.000 | 68.783 | 16.804 |
| 154.940 | 37755.313 | 44763.000 | 30438.842 |
| 29.084 | 26.486 | 1.021 | |
| 10/16/2016 4:30:00 AM | 282600.000 | 68.777 | 16.798 |
| 154.927 | 37805.117 | 44827.484 | 30482.691 |
| 29.130 | 26.451 | 1.021 | |
| 10/16/2016 4:45:00 AM | 283500.000 | 68.772 | 16.809 |
| 154.915 | 37790.176 | 44799.363 | 30463.568 |
| 29.110 | 26.462 | 1.021 | |
| 10/16/2016 5:00:00 AM | 284400.000 | 68.777 | 16.795 |
| 154.927 | 37798.543 | 44822.820 | 30479.520 |
| 29.126 | 26.456 | 1.021 | |
| 10/16/2016 5:15:00 AM | 285300.000 | 68.775 | 16.803 |
| 154.923 | 37782.914 | 44796.434 | 30461.576 |
| 29.108 | 26.467 | 1.021 | |
| 10/16/2016 5:30:00 AM | 286200.000 | 68.772 | 16.789 |
| 154.916 | 37797.063 | 44827.730 | 30482.859 |
| 29.130 | 26.457 | 1.021 | |
| 10/16/2016 5:45:00 AM | 287100.000 | 68.773 | 16.805 |
| 154.917 | 37797.352 | 44811.152 | 30471.586 |
| 29.119 | 26.457 | 1.021 | |
| 10/16/2016 6:00:00 AM | 288000.000 | 68.775 | 16.803 |
| 154.923 | 37769.926 | 44781.035 | 30451.105 |
| 29.097 | 26.476 | 1.021 | |
| 10/16/2016 6:15:00 AM | 288900.000 | 68.788 | 16.800 |
| 154.952 | 37794.875 | 44813.211 | 30472.986 |
| 29.120 | 26.459 | 1.021 | |
| 10/16/2016 6:30:00 AM | 289800.000 | 68.772 | 16.803 |
| 154.916 | 37799.898 | 44816.660 | 30475.332 |
| 29.122 | 26.455 | 1.021 | |
| 10/16/2016 6:45:00 AM | 290700.000 | 68.770 | 16.799 |
| 154.912 | 37818.563 | 44842.805 | 30493.109 |

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|---|---|---|---|
| 29.141 | 26.442 | 1.021 | |
| 10/16/2016 7:00:00 AM | 291600.000 | 68.770 | 16.804 |
| 154.910 | 37773.828 | 44784.871 | 30453.715 |
| 29.099 | 26.473 | 1.021 | |
| 10/16/2016 7:15:00 AM | 292500.000 | 68.772 | 16.803 |
| 154.915 | 37799.320 | 44815.887 | 30474.805 |
| 29.122 | 26.456 | 1.021 | |
| 10/16/2016 7:30:00 AM | 293400.000 | 68.772 | 16.809 |
| 154.915 | 37773.844 | 44779.633 | 30450.152 |
| 29.096 | 26.473 | 1.021 | |
| 10/16/2016 7:45:00 AM | 294300.000 | 68.791 | 16.813 |
| 154.959 | 37784.609 | 44787.945 | 30455.805 |
| 29.102 | 26.466 | 1.021 | |
| 10/16/2016 8:00:00 AM | 295200.000 | 68.783 | 16.800 |
| 154.940 | 37805.242 | 44825.402 | 30481.275 |
| 29.129 | 26.451 | 1.021 | |
| 10/16/2016 8:15:00 AM | 296100.000 | 68.784 | 16.806 |
| 154.942 | 37772.914 | 44781.832 | 30451.648 |
| 29.097 | 26.474 | 1.021 | |
| 10/16/2016 8:30:00 AM | 297000.000 | 68.787 | 16.805 |
| 154.949 | 37817.250 | 44835.023 | 30487.818 |
| 29.136 | 26.443 | 1.021 | |
| 10/16/2016 8:45:00 AM | 297900.000 | 68.789 | 16.804 |
| 154.954 | 37790.117 | 44803.645 | 30466.480 |
| 29.113 | 26.462 | 1.021 | |
| 10/16/2016 9:00:00 AM | 298800.000 | 68.797 | 16.798 |
| 154.973 | 37789.543 | 44808.934 | 30470.076 |
| 29.117 | 26.462 | 1.021 | |
| 10/16/2016 9:15:00 AM | 299700.000 | 68.798 | 16.794 |
| 154.974 | 37796.809 | 44822.355 | 30479.203 |
| 29.126 | 26.457 | 1.021 | |
| 10/16/2016 9:30:00 AM | 300600.000 | 68.805 | 16.789 |
| 154.989 | 37780.383 | 44807.422 | 30469.047 |
| 29.115 | 26.469 | 1.021 | |
| 10/16/2016 9:45:00 AM | 301500.000 | 68.807 | 16.788 |
| 154.994 | 37759.070 | 44783.570 | 30452.830 |
| 29.098 | 26.484 | 1.021 | |
| 10/16/2016 10:00:00 AM | 302400.000 | 68.811 | 16.797 |
| 155.003 | 37780.824 | 44799.934 | 30463.957 |
| 29.110 | 26.468 | 1.021 | |
| 10/16/2016 10:15:00 AM | 303300.000 | 68.837 | 16.792 |
| 155.062 | 37744.340 | 44761.297 | 30437.684 |
| 29.082 | 26.494 | 1.021 | |
| 10/16/2016 10:30:00 AM | 304200.000 | 68.826 | 16.806 |
| 155.037 | 37789.293 | 44801.250 | 30464.852 |
| 29.111 | 26.463 | 1.021 | |
| 10/16/2016 10:45:00 AM | 305100.000 | 68.833 | 16.798 |
| 155.054 | 37785.855 | 44804.918 | 30467.344 |
| 29.114 | 26.465 | 1.021 | |
| 10/16/2016 11:00:00 AM | 306000.000 | 68.852 | 16.812 |
| 155.096 | 37798.551 | 44805.988 | 30468.072 |
| 29.115 | 26.456 | 1.021 | |
| 10/16/2016 11:15:00 AM | 306900.000 | 68.843 | 16.802 |
| 155.075 | 37800.609 | 44818.313 | 30476.453 |
| 29.124 | 26.455 | 1.021 | |
| 10/16/2016 11:30:00 AM | 307800.000 | 68.849 | 16.795 |

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| 155.089 | 37760.898 | 44778.797 | 30449.584 |
| 29.095 | 26.482 | 1.021 | |
| 10/16/2016 11:45:00 AM | 308700.000 | 68.852 | 16.802 |
| 155.097 | 37820.141 | 44841.469 | 30492.201 |
| 29.140 | 26.441 | 1.021 | |
| 10/16/2016 12:00:00 PM | 309600.000 | 68.862 | 16.789 |
| 155.119 | 37790.203 | 44819.246 | 30477.090 |
| 29.123 | 26.462 | 1.021 | |
| 10/16/2016 12:15:00 PM | 310500.000 | 68.861 | 16.798 |
| 155.115 | 37798.516 | 44820.285 | 30477.797 |
| 29.125 | 26.456 | 1.021 | |
| 10/16/2016 12:30:00 PM | 311400.000 | 68.881 | 16.802 |
| 155.162 | 37772.699 | 44784.781 | 30453.654 |
| 29.099 | 26.474 | 1.021 | |
| 10/16/2016 12:45:00 PM | 312300.000 | 68.868 | 16.804 |
| 155.132 | 37768.480 | 44778.355 | 30449.283 |
| 29.095 | 26.477 | 1.021 | |
| 10/16/2016 1:00:00 PM | 313200.000 | 68.874 | 16.803 |
| 155.146 | 37789.973 | 44804.465 | 30467.039 |
| 29.114 | 26.462 | 1.021 | |
| 10/16/2016 1:15:00 PM | 314100.000 | 68.883 | 16.796 |
| 155.167 | 37789.453 | 44811.668 | 30471.936 |
| 29.118 | 26.462 | 1.021 | |
| 10/16/2016 1:30:00 PM | 315000.000 | 68.882 | 16.801 |
| 155.162 | 37787.113 | 44802.938 | 30466.000 |
| 29.112 | 26.464 | 1.021 | |
| 10/16/2016 1:45:00 PM | 315900.000 | 68.884 | 16.797 |
| 155.169 | 37766.664 | 44782.965 | 30452.418 |
| 29.098 | 26.478 | 1.021 | |
| 10/16/2016 2:00:00 PM | 316800.000 | 68.883 | 16.809 |
| 155.167 | 37748.715 | 44749.844 | 30429.895 |
| 29.074 | 26.491 | 1.021 | |
| 10/16/2016 2:15:00 PM | 317700.000 | 68.888 | 16.805 |
| 155.178 | 37778.043 | 44788.617 | 30456.260 |
| 29.102 | 26.470 | 1.021 | |
| 10/16/2016 2:30:00 PM | 318600.000 | 68.888 | 16.803 |
| 155.178 | 37805.059 | 44822.777 | 30479.490 |
| 29.127 | 26.451 | 1.021 | |
| 10/16/2016 2:45:00 PM | 319500.000 | 68.886 | 16.803 |
| 155.173 | 37779.418 | 44791.762 | 30458.400 |
| 29.104 | 26.469 | 1.021 | |
| 10/16/2016 3:00:00 PM | 320400.000 | 68.882 | 16.804 |
| 155.162 | 37773.156 | 44783.797 | 30452.984 |
| 29.099 | 26.474 | 1.021 | |
| 10/16/2016 3:15:00 PM | 321300.000 | 68.882 | 16.801 |
| 155.164 | 37765.031 | 44777.469 | 30448.682 |
| 29.094 | 26.480 | 1.021 | |
| 10/16/2016 3:30:00 PM | 322200.000 | 68.885 | 16.805 |
| 155.169 | 37793.898 | 44807.059 | 30468.801 |
| 29.116 | 26.459 | 1.021 | |
| 10/16/2016 3:45:00 PM | 323100.000 | 68.882 | 16.799 |
| 155.163 | 37790.133 | 44809.363 | 30470.369 |
| 29.117 | 26.462 | 1.021 | |
| 10/16/2016 4:00:00 PM | 324000.000 | 68.886 | 16.804 |
| 155.171 | 37762.055 | 44770.195 | 30443.732 |
| 29.089 | 26.482 | 1.021 | |

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| 10/16/2016 4:15:00 PM | 324900.000 | 68.875 | 16.797 |
| 155.148 | 37794.215 | 44815.715 | 30474.688 |
| 29.121 | 26.459 | 1.021 | |
| 10/16/2016 4:30:00 PM | 325800.000 | 68.874 | 16.797 |
| 155.146 | 37760.719 | 44776.184 | 30447.805 |
| 29.093 | 26.483 | 1.021 | |
| 10/16/2016 4:45:00 PM | 326700.000 | 68.869 | 16.797 |
| 155.133 | 37767.703 | 44784.375 | 30453.377 |
| 29.099 | 26.478 | 1.021 | |
| 10/16/2016 5:00:00 PM | 327600.000 | 68.866 | 16.804 |
| 155.127 | 37760.863 | 44769.402 | 30443.195 |
| 29.088 | 26.482 | 1.021 | |
| 10/16/2016 5:15:00 PM | 328500.000 | 68.872 | 16.802 |
| 155.141 | 37773.254 | 44785.516 | 30454.150 |
| 29.100 | 26.474 | 1.021 | |
| 10/16/2016 5:30:00 PM | 329400.000 | 68.854 | 16.797 |
| 155.100 | 37754.613 | 44768.398 | 30442.512 |
| 29.087 | 26.487 | 1.021 | |
| 10/16/2016 5:45:00 PM | 330300.000 | 68.864 | 16.795 |
| 155.123 | 37786.871 | 44809.316 | 30470.336 |
| 29.117 | 26.464 | 1.021 | |
| 10/16/2016 6:00:00 PM | 331200.000 | 68.843 | 16.800 |
| 155.075 | 37784.563 | 44801.332 | 30464.908 |
| 29.111 | 26.466 | 1.021 | |
| 10/16/2016 6:15:00 PM | 332100.000 | 68.837 | 16.809 |
| 155.063 | 37770.918 | 44775.543 | 30447.371 |
| 29.093 | 26.475 | 1.021 | |
| 10/16/2016 6:30:00 PM | 333000.000 | 68.839 | 16.795 |
| 155.067 | 37766.145 | 44784.398 | 30453.393 |
| 29.099 | 26.479 | 1.021 | |
| 10/16/2016 6:45:00 PM | 333900.000 | 68.831 | 16.796 |
| 155.048 | 37753.477 | 44768.125 | 30442.328 |
| 29.087 | 26.488 | 1.021 | |
| 10/16/2016 7:00:00 PM | 334800.000 | 68.828 | 16.795 |
| 155.041 | 37768.883 | 44787.375 | 30455.418 |
| 29.101 | 26.477 | 1.021 | |
| 10/16/2016 7:15:00 PM | 335700.000 | 68.824 | 16.807 |
| 155.032 | 37758.582 | 44763.316 | 30439.057 |
| 29.084 | 26.484 | 1.021 | |
| 10/16/2016 7:30:00 PM | 336600.000 | 68.821 | 16.803 |
| 155.026 | 37802.258 | 44818.926 | 30476.871 |
| 29.124 | 26.453 | 1.021 | |
| 10/16/2016 7:45:00 PM | 337500.000 | 68.834 | 16.800 |
| 155.054 | 37810.332 | 44831.801 | 30485.627 |
| 29.133 | 26.448 | 1.021 | |
| 10/16/2016 8:00:00 PM | 338400.000 | 68.834 | 16.796 |
| 155.054 | 37764.777 | 44782.059 | 30451.801 |
| 29.097 | 26.480 | 1.021 | |
| 10/16/2016 8:15:00 PM | 339300.000 | 68.833 | 16.798 |
| 155.052 | 37770.766 | 44787.023 | 30455.178 |
| 29.101 | 26.476 | 1.021 | |
| 10/16/2016 8:30:00 PM | 340200.000 | 68.824 | 16.812 |
| 155.034 | 37775.156 | 44778.254 | 30449.215 |
| 29.095 | 26.472 | 1.021 | |
| 10/16/2016 8:45:00 PM | 341100.000 | 68.815 | 16.802 |
| 155.013 | 37784.441 | 44798.879 | 30463.240 |

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| 29.110 | 26.466 | 1.021 | |
| 10/16/2016 9:00:00 PM | 342000.000 | 68.809 | 16.805 |
| 154.999 | 37758.172 | 44764.797 | 30440.063 |
| 29.085 | 26.484 | 1.021 | |
| 10/16/2016 9:15:00 PM | 342900.000 | 68.816 | 16.799 |
| 155.016 | 37802.707 | 44824.102 | 30480.391 |
| 29.128 | 26.453 | 1.021 | |
| 10/16/2016 9:30:00 PM | 343800.000 | 68.814 | 16.805 |
| 155.011 | 37765.820 | 44774.473 | 30446.645 |
| 29.092 | 26.479 | 1.021 | |
| 10/16/2016 9:45:00 PM | 344700.000 | 68.814 | 16.806 |
| 155.011 | 37799.133 | 44812.102 | 30472.230 |
| 29.119 | 26.456 | 1.021 | |
| 10/16/2016 10:00:00 PM | 345600.000 | 68.817 | 16.795 |
| 155.018 | 37801.082 | 44826.082 | 30481.736 |
| 29.129 | 26.454 | 1.021 | |
| 10/16/2016 10:15:00 PM | 346500.000 | 68.819 | 16.797 |
| 155.022 | 37768.527 | 44785.074 | 30453.854 |
| 29.099 | 26.477 | 1.021 | |
| 10/16/2016 10:30:00 PM | 347400.000 | 68.821 | 16.803 |
| 155.027 | 37829.777 | 44851.555 | 30499.059 |
| 29.148 | 26.434 | 1.021 | |
| 10/16/2016 10:45:00 PM | 348300.000 | 68.841 | 16.804 |
| 155.071 | 37780.043 | 44792.320 | 30458.779 |
| 29.105 | 26.469 | 1.021 | |
| 10/16/2016 11:00:00 PM | 349200.000 | 68.841 | 16.806 |
| 155.072 | 37805.379 | 44820.320 | 30477.820 |
| 29.125 | 26.451 | 1.021 | |
| 10/16/2016 11:15:00 PM | 350100.000 | 68.843 | 16.802 |
| 155.075 | 37759.051 | 44768.777 | 30442.771 |
| 29.088 | 26.484 | 1.021 | |
| 10/16/2016 11:30:00 PM | 351000.000 | 68.836 | 16.802 |
| 155.060 | 37812.977 | 44832.613 | 30486.180 |
| 29.134 | 26.446 | 1.021 | |
| 10/16/2016 11:45:00 PM | 351900.000 | 68.836 | 16.796 |
| 155.059 | 37791.848 | 44813.980 | 30473.510 |
| 29.120 | 26.461 | 1.021 | |
| 10/17/2016 12:00:00 AM | 352800.000 | 68.842 | 16.811 |
| 155.073 | 37818.578 | 44830.270 | 30484.584 |
| 29.133 | 26.442 | 1.021 | |
| 10/17/2016 12:15:00 AM | 353700.000 | 68.861 | 16.804 |
| 155.117 | 37783.387 | 44795.852 | 30461.182 |
| 29.107 | 26.467 | 1.021 | |
| 10/17/2016 12:30:00 AM | 354600.000 | 68.865 | 16.813 |
| 155.125 | 37801.719 | 44808.945 | 30470.086 |
| 29.117 | 26.454 | 1.021 | |
| 10/17/2016 12:45:00 AM | 355500.000 | 68.869 | 16.813 |
| 155.135 | 37782.938 | 44785.793 | 30454.342 |
| 29.101 | 26.467 | 1.021 | |
| 10/17/2016 1:00:00 AM | 356400.000 | 68.852 | 16.812 |
| 155.097 | 37802.070 | 44809.980 | 30470.789 |
| 29.118 | 26.454 | 1.021 | |
| 10/17/2016 1:15:00 AM | 357300.000 | 68.859 | 16.796 |
| 155.112 | 37788.520 | 44810.117 | 30470.883 |
| 29.117 | 26.463 | 1.021 | |
| 10/17/2016 1:30:00 AM | 358200.000 | 68.862 | 16.804 |

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| 155.118 | 37797.730 | 44813.211 | 30472.986 |
| 29.120 | 26.457 | 1.021 | |
| 10/17/2016 1:45:00 AM | 359100.000 | 68.868 | 16.802 |
| 155.131 | 37777.805 | 44791.012 | 30457.889 |
| 29.104 | 26.471 | 1.021 | |
| 10/17/2016 2:00:00 AM | 360000.000 | 68.864 | 16.808 |
| 155.123 | 37831.039 | 44848.332 | 30496.867 |
| 29.146 | 26.433 | 1.021 | |
| 10/17/2016 2:15:00 AM | 360900.000 | 68.884 | 16.796 |
| 155.167 | 37750.109 | 44764.133 | 30439.613 |
| 29.084 | 26.490 | 1.021 | |
| 10/17/2016 2:30:00 AM | 361800.000 | 68.870 | 16.796 |
| 155.137 | 37792.160 | 44814.527 | 30473.881 |
| 29.120 | 26.461 | 1.021 | |
| 10/17/2016 2:45:00 AM | 362700.000 | 68.876 | 16.799 |
| 155.151 | 37799.711 | 44820.371 | 30477.855 |
| 29.125 | 26.455 | 1.021 | |
| 10/17/2016 3:00:00 AM | 363600.000 | 68.877 | 16.795 |
| 155.153 | 37791.766 | 44814.680 | 30473.984 |
| 29.121 | 26.461 | 1.021 | |
| 10/17/2016 3:15:00 AM | 364500.000 | 68.874 | 16.799 |
| 155.145 | 37779.902 | 44796.609 | 30461.697 |
| 29.108 | 26.469 | 1.021 | |
| 10/17/2016 3:30:00 AM | 365400.000 | 68.876 | 16.803 |
| 155.151 | 37803.621 | 44820.723 | 30478.094 |
| 29.125 | 26.452 | 1.021 | |
| 10/17/2016 3:45:00 AM | 366300.000 | 68.875 | 16.804 |
| 155.148 | 37785.645 | 44798.340 | 30462.873 |
| 29.109 | 26.465 | 1.021 | |
| 10/17/2016 4:00:00 AM | 367200.000 | 68.890 | 16.798 |
| 155.181 | 37778.273 | 44795.926 | 30461.230 |
| 29.107 | 26.470 | 1.021 | |
| 10/17/2016 4:15:00 AM | 368100.000 | 68.873 | 16.800 |
| 155.144 | 37789.004 | 44806.250 | 30468.252 |
| 29.115 | 26.463 | 1.021 | |
| 10/17/2016 4:30:00 AM | 369000.000 | 68.871 | 16.800 |
| 155.139 | 37807.852 | 44828.680 | 30483.504 |
| 29.131 | 26.450 | 1.021 | |
| 10/17/2016 4:45:00 AM | 369900.000 | 68.872 | 16.806 |
| 155.141 | 37766.906 | 44773.898 | 30446.252 |
| 29.092 | 26.478 | 1.021 | |
| 10/17/2016 5:00:00 AM | 370800.000 | 68.868 | 16.801 |
| 155.132 | 37831.902 | 44856.570 | 30502.471 |
| 29.151 | 26.433 | 1.021 | |
| 10/17/2016 5:15:00 AM | 371700.000 | 68.866 | 16.800 |
| 155.128 | 37765.648 | 44779.355 | 30449.965 |
| 29.095 | 26.479 | 1.021 | |
| 10/17/2016 5:30:00 AM | 372600.000 | 68.875 | 16.808 |
| 155.147 | 37795.922 | 44806.969 | 30468.740 |
| 29.116 | 26.458 | 1.021 | |
| 10/17/2016 5:45:00 AM | 373500.000 | 68.862 | 16.807 |
| 155.118 | 37765.043 | 44770.801 | 30444.145 |
| 29.090 | 26.480 | 1.021 | |
| 10/17/2016 6:00:00 AM | 374400.000 | 68.860 | 16.800 |
| 155.115 | 37806.594 | 44827.633 | 30482.791 |
| 29.130 | 26.450 | 1.021 | |

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| 10/17/2016 6:15:00 AM | 375300.000 | 68.857 | 16.796 |
| 155.108 | 37812.688 | 44838.777 | 30490.369 |
| 29.138 | 26.446 | 1.021 | |
| 10/17/2016 6:30:00 AM | 376200.000 | 68.857 | 16.803 |
| 155.107 | 37800.605 | 44816.969 | 30475.541 |
| 29.123 | 26.455 | 1.021 | |
| 10/17/2016 6:45:00 AM | 377100.000 | 68.870 | 16.801 |
| 155.137 | 37759.473 | 44770.250 | 30443.771 |
| 29.089 | 26.483 | 1.021 | |
| 10/17/2016 7:00:00 AM | 378000.000 | 68.852 | 16.801 |
| 155.097 | 37811.363 | 44831.777 | 30485.611 |
| 29.133 | 26.447 | 1.021 | |
| 10/17/2016 7:15:00 AM | 378900.000 | 68.855 | 16.802 |
| 155.103 | 37772.504 | 44785.434 | 30454.098 |
| 29.100 | 26.474 | 1.021 | |
| 10/17/2016 7:30:00 AM | 379800.000 | 68.854 | 16.804 |
| 155.100 | 37811.625 | 44829.586 | 30484.121 |
| 29.132 | 26.447 | 1.021 | |
| 10/17/2016 7:45:00 AM | 380700.000 | 68.851 | 16.801 |
| 155.094 | 37785.133 | 44801.117 | 30464.762 |
| 29.111 | 26.465 | 1.021 | |
| 10/17/2016 8:00:00 AM | 381600.000 | 68.853 | 16.804 |
| 155.098 | 37802.078 | 44818.367 | 30476.492 |
| 29.124 | 26.454 | 1.021 | |
| 10/17/2016 8:15:00 AM | 382500.000 | 68.851 | 16.800 |
| 155.094 | 37776.020 | 44791.305 | 30458.090 |
| 29.104 | 26.472 | 1.021 | |
| 10/17/2016 8:30:00 AM | 383400.000 | 68.849 | 16.802 |
| 155.088 | 37821.031 | 44842.262 | 30492.740 |
| 29.141 | 26.440 | 1.021 | |
| 10/17/2016 8:45:00 AM | 384300.000 | 68.856 | 16.804 |
| 155.105 | 37764.387 | 44773.680 | 30446.102 |
| 29.091 | 26.480 | 1.021 | |
| 10/17/2016 9:00:00 AM | 385200.000 | 68.857 | 16.802 |
| 155.107 | 37798.430 | 44815.645 | 30474.641 |
| 29.122 | 26.456 | 1.021 | |
| 10/17/2016 9:15:00 AM | 386100.000 | 68.874 | 16.788 |
| 155.145 | 37789.449 | 44819.250 | 30477.092 |
| 29.123 | 26.462 | 1.021 | |
| 10/17/2016 9:30:00 AM | 387000.000 | 68.861 | 16.796 |
| 155.116 | 37799.520 | 44823.527 | 30480.000 |
| 29.127 | 26.455 | 1.021 | |
| 10/17/2016 9:45:00 AM | 387900.000 | 68.863 | 16.800 |
| 155.120 | 37782.559 | 44799.316 | 30463.537 |
| 29.110 | 26.467 | 1.021 | |
| 10/17/2016 10:00:00 AM | 388800.000 | 68.883 | 16.801 |
| 155.166 | 37786.234 | 44802.422 | 30465.648 |
| 29.112 | 26.465 | 1.021 | |
| 10/17/2016 10:15:00 AM | 389700.000 | 68.887 | 16.804 |
| 155.175 | 37789.625 | 44803.680 | 30466.504 |
| 29.113 | 26.462 | 1.021 | |
| 10/17/2016 10:30:00 AM | 390600.000 | 68.876 | 16.799 |
| 155.151 | 37796.039 | 44816.457 | 30475.193 |
| 29.122 | 26.458 | 1.021 | |
| 10/17/2016 10:45:00 AM | 391500.000 | 68.879 | 16.800 |
| 155.158 | 37769.785 | 44783.813 | 30452.994 |

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|---|---|---|---|
| 29.099 | 26.476 | 1.021 | |
| 10/17/2016 11:00:00 AM | 392400.000 | 68.888 | 16.801 |
| 155.176 | 37808.789 | 44829.430 | 30484.012 |
| 29.132 | 26.449 | 1.021 | |
| 10/17/2016 11:15:00 AM | 393300.000 | 68.891 | 16.801 |
| 155.183 | 37790.332 | 44806.840 | 30468.654 |
| 29.115 | 26.462 | 1.021 | |
| 10/17/2016 11:30:00 AM | 394200.000 | 68.893 | 16.805 |
| 155.189 | 37824.086 | 44842.848 | 30493.137 |
| 29.141 | 26.438 | 1.021 | |
| 10/17/2016 11:45:00 AM | 395100.000 | 68.915 | 16.803 |
| 155.237 | 37802.551 | 44819.902 | 30477.535 |
| 29.125 | 26.453 | 1.021 | |
| 10/17/2016 12:00:00 PM | 396000.000 | 68.911 | 16.789 |
| 155.228 | 37818.387 | 44852.672 | 30499.818 |
| 29.148 | 26.442 | 1.021 | |
| 10/17/2016 12:15:00 PM | 396900.000 | 68.911 | 16.791 |
| 155.228 | 37786.836 | 44813.379 | 30473.100 |
| 29.119 | 26.464 | 1.021 | |
| 10/17/2016 12:30:00 PM | 397800.000 | 68.919 | 16.789 |
| 155.246 | 37823.703 | 44859.422 | 30504.408 |
| 29.152 | 26.438 | 1.021 | |
| 10/17/2016 12:45:00 PM | 398700.000 | 68.920 | 16.807 |
| 155.250 | 37787.480 | 44797.578 | 30462.355 |
| 29.109 | 26.464 | 1.021 | |
| 10/17/2016 1:00:00 PM | 399600.000 | 68.928 | 16.798 |
| 155.266 | 37769.973 | 44785.813 | 30454.355 |
| 29.100 | 26.476 | 1.021 | |
| 10/17/2016 1:15:00 PM | 400500.000 | 68.930 | 16.801 |
| 155.271 | 37789.203 | 44806.305 | 30468.289 |
| 29.115 | 26.463 | 1.021 | |
| 10/17/2016 1:30:00 PM | 401400.000 | 68.935 | 16.803 |
| 155.282 | 37771.926 | 44782.965 | 30452.418 |
| 29.098 | 26.475 | 1.021 | |
| 10/17/2016 1:45:00 PM | 402300.000 | 68.932 | 16.803 |
| 155.277 | 37814.973 | 44834.273 | 30487.309 |
| 29.135 | 26.445 | 1.021 | |
| 10/17/2016 2:00:00 PM | 403200.000 | 68.937 | 16.800 |
| 155.288 | 37789.145 | 44806.586 | 30468.479 |
| 29.115 | 26.463 | 1.021 | |
| 10/17/2016 2:15:00 PM | 404100.000 | 68.940 | 16.802 |
| 155.294 | 37788.184 | 44803.398 | 30466.313 |
| 29.113 | 26.463 | 1.021 | |
| 10/17/2016 2:30:00 PM | 405000.000 | 68.957 | 16.799 |
| 155.332 | 37787.316 | 44805.676 | 30467.861 |
| 29.114 | 26.464 | 1.021 | |
| 10/17/2016 2:45:00 PM | 405900.000 | 68.948 | 16.803 |
| 155.313 | 37773.656 | 44785.547 | 30454.174 |
| 29.100 | 26.473 | 1.021 | |
| 10/17/2016 3:00:00 PM | 406800.000 | 68.964 | 16.803 |
| 155.348 | 37804.520 | 44821.969 | 30478.941 |
| 29.126 | 26.452 | 1.021 | |
| 10/17/2016 3:15:00 PM | 407700.000 | 68.964 | 16.802 |
| 155.348 | 37782.313 | 44796.883 | 30461.881 |
| 29.108 | 26.467 | 1.021 | |
| 10/17/2016 3:30:00 PM | 408600.000 | 68.947 | 16.797 |

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|---|---|---|---|
| 155.309 | 37774.945 | 44792.684 | 30459.025 |
| 29.105 | 26.473 | 1.021 | |
| 10/17/2016 3:45:00 PM | 409500.000 | 68.941 | 16.802 |
| 155.296 | 37803.637 | 44821.539 | 30478.646 |
| 29.126 | 26.452 | 1.021 | |
| 10/17/2016 4:00:00 PM | 410400.000 | 68.956 | 16.799 |
| 155.330 | 37788.555 | 44806.770 | 30468.605 |
| 29.115 | 26.463 | 1.021 | |
| 10/17/2016 4:15:00 PM | 411300.000 | 68.959 | 16.799 |
| 155.337 | 37789.359 | 44807.648 | 30469.201 |
| 29.116 | 26.462 | 1.021 | |
| 10/17/2016 4:30:00 PM | 412200.000 | 68.937 | 16.801 |
| 155.287 | 37828.098 | 44851.875 | 30499.277 |
| 29.148 | 26.435 | 1.021 | |
| 10/17/2016 4:45:00 PM | 413100.000 | 68.935 | 16.793 |
| 155.283 | 37794.039 | 44819.961 | 30477.576 |
| 29.124 | 26.459 | 1.021 | |
| 10/17/2016 5:00:00 PM | 414000.000 | 68.932 | 16.802 |
| 155.275 | 37814.234 | 44834.469 | 30487.439 |
| 29.135 | 26.445 | 1.021 | |
| 10/17/2016 5:15:00 PM | 414900.000 | 68.930 | 16.803 |
| 155.272 | 37796.156 | 44812.406 | 30472.439 |
| 29.119 | 26.458 | 1.021 | |
| 10/17/2016 5:30:00 PM | 415800.000 | 68.925 | 16.798 |
| 155.260 | 37791.805 | 44812.148 | 30472.264 |
| 29.119 | 26.461 | 1.021 | |
| 10/17/2016 5:45:00 PM | 416700.000 | 68.920 | 16.792 |
| 155.250 | 37767.551 | 44788.898 | 30456.453 |
| 29.102 | 26.478 | 1.021 | |
| 10/17/2016 6:00:00 PM | 417600.000 | 68.914 | 16.807 |
| 155.235 | 37807.289 | 44821.688 | 30478.750 |
| 29.126 | 26.450 | 1.021 | |
| 10/17/2016 6:15:00 PM | 418500.000 | 68.908 | 16.805 |
| 155.221 | 37798.199 | 44812.250 | 30472.332 |
| 29.119 | 26.456 | 1.021 | |
| 10/17/2016 6:30:00 PM | 419400.000 | 68.921 | 16.804 |
| 155.252 | 37784.660 | 44797.176 | 30462.082 |
| 29.108 | 26.466 | 1.021 | |
| 10/17/2016 6:45:00 PM | 420300.000 | 68.902 | 16.803 |
| 155.208 | 37768.004 | 44778.230 | 30449.197 |
| 29.095 | 26.477 | 1.021 | |
| 10/17/2016 7:00:00 PM | 421200.000 | 68.896 | 16.797 |
| 155.196 | 37804.004 | 44827.242 | 30482.527 |
| 29.130 | 26.452 | 1.021 | |
| 10/17/2016 7:15:00 PM | 422100.000 | 68.892 | 16.808 |
| 155.187 | 37780.000 | 44787.375 | 30455.418 |
| 29.102 | 26.469 | 1.021 | |
| 10/17/2016 7:30:00 PM | 423000.000 | 68.886 | 16.801 |
| 155.172 | 37799.238 | 44818.105 | 30476.314 |
| 29.123 | 26.456 | 1.021 | |
| 10/17/2016 7:45:00 PM | 423900.000 | 68.893 | 16.807 |
| 155.188 | 37788.422 | 44798.516 | 30462.992 |
| 29.110 | 26.463 | 1.021 | |
| 10/17/2016 8:00:00 PM | 424800.000 | 68.876 | 16.792 |
| 155.151 | 37798.129 | 44825.348 | 30481.238 |
| 29.128 | 26.456 | 1.021 | |

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| 10/17/2016 8:15:00 PM | 425700.000 | 68.872 | 16.795 |
| 155.141 | 37785.516 | 44807.098 | 30468.828 |
| 29.115 | 26.465 | 1.021 | |
| 10/17/2016 8:30:00 PM | 426600.000 | 68.867 | 16.801 |
| 155.130 | 37781.938 | 44796.965 | 30461.938 |
| 29.108 | 26.468 | 1.021 | |
| 10/17/2016 8:45:00 PM | 427500.000 | 68.861 | 16.815 |
| 155.116 | 37775.922 | 44775.438 | 30447.299 |
| 29.093 | 26.472 | 1.021 | |
| 10/17/2016 9:00:00 PM | 428400.000 | 68.864 | 16.802 |
| 155.123 | 37821.980 | 44843.566 | 30493.625 |
| 29.142 | 26.440 | 1.021 | |
| 10/17/2016 9:15:00 PM | 429300.000 | 68.856 | 16.803 |
| 155.105 | 37765.797 | 44775.879 | 30447.600 |
| 29.093 | 26.479 | 1.021 | |
| 10/17/2016 9:30:00 PM | 430200.000 | 68.856 | 16.805 |
| 155.105 | 37782.938 | 44794.770 | 30460.445 |
| 29.107 | 26.467 | 1.021 | |
| 10/17/2016 9:45:00 PM | 431100.000 | 68.859 | 16.801 |
| 155.113 | 37777.977 | 44792.105 | 30458.633 |
| 29.105 | 26.470 | 1.021 | |
| 10/17/2016 10:00:00 PM | 432000.000 | 68.856 | 16.792 |
| 155.106 | 37791.848 | 44817.637 | 30475.996 |
| 29.123 | 26.461 | 1.021 | |
| 10/17/2016 10:15:00 PM | 432900.000 | 68.858 | 16.805 |
| 155.109 | 37773.629 | 44783.477 | 30452.764 |
| 29.099 | 26.473 | 1.021 | |
| 10/17/2016 10:30:00 PM | 433800.000 | 68.855 | 16.808 |
| 155.102 | 37767.855 | 44773.430 | 30445.932 |
| 29.091 | 26.478 | 1.021 | |
| 10/17/2016 10:45:00 PM | 434700.000 | 68.875 | 16.805 |
| 155.147 | 37796.523 | 44810.172 | 30470.918 |
| 29.118 | 26.457 | 1.021 | |
| 10/17/2016 11:00:00 PM | 435600.000 | 68.857 | 16.807 |
| 155.108 | 37838.383 | 44858.371 | 30503.695 |
| 29.153 | 26.428 | 1.021 | |
| 10/17/2016 11:15:00 PM | 436500.000 | 68.873 | 16.800 |
| 155.143 | 37809.953 | 44831.438 | 30485.379 |
| 29.133 | 26.448 | 1.021 | |
| 10/17/2016 11:30:00 PM | 437400.000 | 68.859 | 16.808 |
| 155.112 | 37812.871 | 44826.793 | 30482.219 |
| 29.130 | 26.446 | 1.021 | |
| 10/17/2016 11:45:00 PM | 438300.000 | 68.882 | 16.806 |
| 155.163 | 37773.910 | 44782.387 | 30452.025 |
| 29.098 | 26.473 | 1.021 | |
| 10/18/2016 12:00:00 AM | 439200.000 | 68.862 | 16.812 |
| 155.119 | 37820.820 | 44832.383 | 30486.023 |
| 29.134 | 26.440 | 1.021 | |
| 10/18/2016 12:15:00 AM | 440100.000 | 68.867 | 16.807 |
| 155.130 | 37781.398 | 44790.008 | 30457.207 |
| 29.103 | 26.468 | 1.021 | |
| 10/18/2016 12:30:00 AM | 441000.000 | 68.869 | 16.801 |
| 155.135 | 37796.520 | 44814.355 | 30473.762 |
| 29.121 | 26.457 | 1.021 | |
| 10/18/2016 12:45:00 AM | 441900.000 | 68.876 | 16.816 |
| 155.149 | 37778.227 | 44777.711 | 30448.846 |

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| 29.095 | 26.470 | 1.021 | |
| 10/18/2016 1:00:00 AM | 442800.000 | 68.879 | 16.800 |
| 155.158 | 37815.668 | 44838.484 | 30490.172 |
| 29.138 | 26.444 | 1.021 | |
| 10/18/2016 1:15:00 AM | 443700.000 | 68.881 | 16.802 |
| 155.162 | 37778.949 | 44793.168 | 30459.355 |
| 29.105 | 26.470 | 1.021 | |
| 10/18/2016 1:30:00 AM | 444600.000 | 68.907 | 16.803 |
| 155.219 | 37778.168 | 44790.367 | 30457.451 |
| 29.103 | 26.470 | 1.021 | |
| 10/18/2016 1:45:00 AM | 445500.000 | 68.889 | 16.802 |
| 155.180 | 37779.016 | 44792.973 | 30459.225 |
| 29.105 | 26.470 | 1.021 | |
| 10/18/2016 2:00:00 AM | 446400.000 | 68.906 | 16.803 |
| 155.218 | 37801.305 | 44818.238 | 30476.404 |
| 29.124 | 26.454 | 1.021 | |
| 10/18/2016 2:15:00 AM | 447300.000 | 68.910 | 16.806 |
| 155.227 | 37794.512 | 44806.715 | 30468.568 |
| 29.115 | 26.459 | 1.021 | |
| 10/18/2016 2:30:00 AM | 448200.000 | 68.912 | 16.805 |
| 155.231 | 37800.836 | 44815.191 | 30474.330 |
| 29.121 | 26.454 | 1.021 | |
| 10/18/2016 2:45:00 AM | 449100.000 | 68.917 | 16.802 |
| 155.243 | 37788.543 | 44804.008 | 30466.729 |
| 29.113 | 26.463 | 1.021 | |
| 10/18/2016 3:00:00 AM | 450000.000 | 68.905 | 16.798 |
| 155.214 | 37826.301 | 44853.230 | 30500.199 |
| 29.149 | 26.437 | 1.021 | |
| 10/18/2016 3:15:00 AM | 450900.000 | 68.904 | 16.793 |
| 155.213 | 37789.961 | 44815.219 | 30474.352 |
| 29.121 | 26.462 | 1.021 | |
| 10/18/2016 3:30:00 AM | 451800.000 | 68.908 | 16.803 |
| 155.222 | 37812.980 | 44832.449 | 30486.068 |
| 29.134 | 26.446 | 1.021 | |
| 10/18/2016 3:45:00 AM | 452700.000 | 68.927 | 16.800 |
| 155.265 | 37778.766 | 44794.910 | 30460.541 |
| 29.107 | 26.470 | 1.021 | |
| 10/18/2016 4:00:00 AM | 453600.000 | 68.921 | 16.800 |
| 155.252 | 37789.730 | 44807.461 | 30469.076 |
| 29.116 | 26.462 | 1.021 | |
| 10/18/2016 4:15:00 AM | 454500.000 | 68.927 | 16.801 |
| 155.264 | 37768.273 | 44781.223 | 30451.234 |
| 29.097 | 26.477 | 1.021 | |
| 10/18/2016 4:30:00 AM | 455400.000 | 68.923 | 16.801 |
| 155.255 | 37800.508 | 44818.820 | 30476.801 |
| 29.124 | 26.455 | 1.021 | |
| 10/18/2016 4:45:00 AM | 456300.000 | 68.915 | 16.796 |
| 155.239 | 37783.242 | 44804.125 | 30466.807 |
| 29.113 | 26.467 | 1.021 | |
| 10/18/2016 5:00:00 AM | 457200.000 | 68.916 | 16.804 |
| 155.240 | 37797.930 | 44813.270 | 30473.023 |
| 29.120 | 26.456 | 1.021 | |
| 10/18/2016 5:15:00 AM | 458100.000 | 68.913 | 16.794 |
| 155.234 | 37775.965 | 44797.098 | 30462.029 |
| 29.108 | 26.472 | 1.021 | |
| 10/18/2016 5:30:00 AM | 459000.000 | 68.912 | 16.799 |

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| 155.231 | 37785.301 | 44803.723 | 30466.531 |
| 29.113 | 26.465 | 1.021 | |
| 10/18/2016 5:45:00 AM | 459900.000 | 68.927 | 16.802 |
| 155.266 | 37797.328 | 44814.238 | 30473.682 |
| 29.121 | 26.457 | 1.021 | |
| 10/18/2016 6:00:00 AM | 460800.000 | 68.907 | 16.799 |
| 155.219 | 37790.121 | 44808.727 | 30469.934 |
| 29.116 | 26.462 | 1.021 | |
| 10/18/2016 6:15:00 AM | 461700.000 | 68.906 | 16.799 |
| 155.216 | 37765.469 | 44779.496 | 30450.061 |
| 29.095 | 26.479 | 1.021 | |
| 10/18/2016 6:30:00 AM | 462600.000 | 68.905 | 16.803 |
| 155.215 | 37803.840 | 44821.160 | 30478.391 |
| 29.126 | 26.452 | 1.021 | |
| 10/18/2016 6:45:00 AM | 463500.000 | 68.906 | 16.801 |
| 155.216 | 37751.043 | 44760.613 | 30437.217 |
| 29.082 | 26.489 | 1.021 | |
| 10/18/2016 7:00:00 AM | 464400.000 | 68.919 | 16.812 |
| 155.246 | 37789.410 | 44795.059 | 30460.643 |
| 29.107 | 26.462 | 1.021 | |
| 10/18/2016 7:15:00 AM | 465300.000 | 68.903 | 16.802 |
| 155.211 | 37797.887 | 44815.441 | 30474.500 |
| 29.121 | 26.457 | 1.021 | |
| 10/18/2016 7:30:00 AM | 466200.000 | 68.902 | 16.805 |
| 155.208 | 37809.402 | 44825.270 | 30481.186 |
| 29.129 | 26.448 | 1.021 | |
| 10/18/2016 7:45:00 AM | 467100.000 | 68.899 | 16.813 |
| 155.202 | 37795.555 | 44801.199 | 30464.816 |
| 29.112 | 26.458 | 1.021 | |
| 10/18/2016 8:00:00 AM | 468000.000 | 68.903 | 16.797 |
| 155.211 | 37817.508 | 44843.336 | 30493.471 |
| 29.141 | 26.443 | 1.021 | |
| 10/18/2016 8:15:00 AM | 468900.000 | 68.899 | 16.803 |
| 155.203 | 37768.566 | 44779.695 | 30450.195 |
| 29.096 | 26.477 | 1.021 | |
| 10/18/2016 8:30:00 AM | 469800.000 | 68.901 | 16.808 |
| 155.206 | 37829.719 | 44846.410 | 30495.561 |
| 29.144 | 26.434 | 1.021 | |
| 10/18/2016 8:45:00 AM | 470700.000 | 68.903 | 16.801 |
| 155.211 | 37816.887 | 44839.031 | 30490.543 |
| 29.138 | 26.443 | 1.021 | |
| 10/18/2016 9:00:00 AM | 471600.000 | 68.903 | 16.801 |
| 155.210 | 37798.023 | 44816.215 | 30475.029 |
| 29.122 | 26.456 | 1.021 | |
| 10/18/2016 9:15:00 AM | 472500.000 | 68.914 | 16.801 |
| 155.235 | 37774.855 | 44789.195 | 30456.654 |
| 29.102 | 26.473 | 1.021 | |
| 10/18/2016 9:30:00 AM | 473400.000 | 68.902 | 16.804 |
| 155.209 | 37806.840 | 44823.836 | 30480.211 |
| 29.128 | 26.450 | 1.021 | |
| 10/18/2016 9:45:00 AM | 474300.000 | 68.912 | 16.796 |
| 155.232 | 37744.105 | 44757.453 | 30435.070 |
| 29.079 | 26.494 | 1.021 | |
| 10/18/2016 10:00:00 AM | 475200.000 | 68.910 | 16.801 |
| 155.227 | 37790.238 | 44807.434 | 30469.057 |
| 29.116 | 26.462 | 1.021 | |

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|---|---|---|---|
| 10/18/2016 10:15:00 AM | 476100.000 | 68.913 | 16.800 |
| 155.233 | 37780.137 | 44796.355 | 30461.523 |
| 29.108 | 26.469 | 1.021 | |
| 10/18/2016 10:30:00 AM | 477000.000 | 68.912 | 16.818 |
| 155.232 | 37834.281 | 44841.922 | 30492.510 |
| 29.142 | 26.431 | 1.021 | |
| 10/18/2016 10:45:00 AM | 477900.000 | 68.936 | 16.804 |
| 155.285 | 37762.355 | 44770.469 | 30443.922 |
| 29.089 | 26.481 | 1.021 | |
| 10/18/2016 11:00:00 AM | 478800.000 | 68.923 | 16.807 |
| 155.256 | 37778.539 | 44786.715 | 30454.967 |
| 29.101 | 26.470 | 1.021 | |
| 10/18/2016 11:15:00 AM | 479700.000 | 68.930 | 16.808 |
| 155.272 | 37781.926 | 44790.375 | 30457.457 |
| 29.104 | 26.468 | 1.021 | |
| 10/18/2016 11:30:00 AM | 480600.000 | 68.935 | 16.807 |
| 155.282 | 37807.203 | 44820.781 | 30478.133 |
| 29.126 | 26.450 | 1.021 | |
| 10/18/2016 11:45:00 AM | 481500.000 | 68.941 | 16.803 |
| 155.296 | 37797.516 | 44813.578 | 30473.236 |
| 29.120 | 26.457 | 1.021 | |
| 10/18/2016 12:00:00 PM | 482400.000 | 68.941 | 16.799 |
| 155.297 | 37799.863 | 44820.008 | 30477.607 |
| 29.125 | 26.455 | 1.021 | |
| 10/18/2016 12:15:00 PM | 483300.000 | 68.944 | 16.809 |
| 155.303 | 37779.574 | 44785.984 | 30454.469 |
| 29.101 | 26.469 | 1.021 | |
| 10/18/2016 12:30:00 PM | 484200.000 | 68.952 | 16.805 |
| 155.321 | 37798.313 | 44812.910 | 30472.779 |
| 29.120 | 26.456 | 1.021 | |
| 10/18/2016 12:45:00 PM | 485100.000 | 68.963 | 16.802 |
| 155.345 | 37787.520 | 44802.531 | 30465.723 |
| 29.112 | 26.464 | 1.021 | |
| 10/18/2016 1:00:00 PM | 486000.000 | 68.962 | 16.801 |
| 155.344 | 37827.805 | 44851.629 | 30499.109 |
| 29.148 | 26.436 | 1.021 | |
| 10/18/2016 1:15:00 PM | 486900.000 | 68.969 | 16.801 |
| 155.360 | 37770.465 | 44783.820 | 30453.000 |
| 29.099 | 26.476 | 1.021 | |
| 10/18/2016 1:30:00 PM | 487800.000 | 68.975 | 16.802 |
| 155.374 | 37809.281 | 44829.129 | 30483.811 |
| 29.131 | 26.449 | 1.021 | |
| 10/18/2016 1:45:00 PM | 488700.000 | 68.995 | 16.803 |
| 155.417 | 37768.754 | 44779.477 | 30450.047 |
| 29.096 | 26.477 | 1.021 | |
| 10/18/2016 2:00:00 PM | 489600.000 | 68.985 | 16.804 |
| 155.394 | 37801.258 | 44816.590 | 30475.283 |
| 29.122 | 26.454 | 1.021 | |
| 10/18/2016 2:15:00 PM | 490500.000 | 68.983 | 16.808 |
| 155.390 | 37808.461 | 44821.117 | 30478.361 |
| 29.126 | 26.449 | 1.021 | |
| 10/18/2016 2:30:00 PM | 491400.000 | 68.987 | 16.804 |
| 155.399 | 37787.160 | 44800.402 | 30464.275 |
| 29.111 | 26.464 | 1.021 | |
| 10/18/2016 2:45:00 PM | 492300.000 | 69.007 | 16.807 |
| 155.446 | 37778.266 | 44787.188 | 30455.287 |

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|---|---|---|---|
| 29.101 | 26.470 | 1.021 | |
| 10/18/2016 3:00:00 PM | 493200.000 | 68.993 | 16.807 |
| 155.413 | 37805.066 | 44818.695 | 30476.715 |
| 29.124 | 26.451 | 1.021 | |
| 10/18/2016 3:15:00 PM | 494100.000 | 68.999 | 16.800 |
| 155.427 | 37756.207 | 44767.887 | 30442.166 |
| 29.087 | 26.486 | 1.021 | |
| 10/18/2016 3:30:00 PM | 495000.000 | 68.993 | 16.803 |
| 155.413 | 37787.301 | 44801.551 | 30465.055 |
| 29.112 | 26.464 | 1.021 | |
| 10/18/2016 3:45:00 PM | 495900.000 | 68.995 | 16.802 |
| 155.419 | 37763.492 | 44774.043 | 30446.352 |
| 29.092 | 26.481 | 1.021 | |
| 10/18/2016 4:00:00 PM | 496800.000 | 68.997 | 16.807 |
| 155.422 | 37810.227 | 44824.457 | 30480.633 |
| 29.128 | 26.448 | 1.021 | |
| 10/18/2016 4:15:00 PM | 497700.000 | 68.996 | 16.820 |
| 155.421 | 37786.855 | 44783.313 | 30452.654 |
| 29.099 | 26.464 | 1.021 | |
| 10/18/2016 4:30:00 PM | 498600.000 | 68.989 | 16.807 |
| 155.405 | 37802.270 | 44815.645 | 30474.641 |
| 29.122 | 26.453 | 1.021 | |
| 10/18/2016 4:45:00 PM | 499500.000 | 68.993 | 16.802 |
| 155.414 | 37763.512 | 44774.066 | 30446.367 |
| 29.092 | 26.481 | 1.021 | |
| 10/18/2016 5:00:00 PM | 500400.000 | 68.993 | 16.799 |
| 155.413 | 37780.375 | 44796.992 | 30461.955 |
| 29.108 | 26.469 | 1.021 | |
| 10/18/2016 5:15:00 PM | 501300.000 | 68.986 | 16.810 |
| 155.397 | 37795.512 | 44803.984 | 30466.711 |
| 29.114 | 26.458 | 1.021 | |
| 10/18/2016 5:30:00 PM | 502200.000 | 68.982 | 16.801 |
| 155.388 | 37831.047 | 44855.820 | 30501.961 |
| 29.151 | 26.433 | 1.021 | |
| 10/18/2016 5:45:00 PM | 503100.000 | 68.982 | 16.809 |
| 155.388 | 37778.977 | 44785.277 | 30453.988 |
| 29.100 | 26.470 | 1.021 | |
| 10/18/2016 6:00:00 PM | 504000.000 | 68.988 | 16.806 |
| 155.402 | 37797.082 | 44809.766 | 30470.643 |
| 29.118 | 26.457 | 1.021 | |
| 10/18/2016 6:15:00 PM | 504900.000 | 68.971 | 16.805 |
| 155.365 | 37757.730 | 44764.535 | 30439.887 |
| 29.085 | 26.485 | 1.021 | |
| 10/18/2016 6:30:00 PM | 505800.000 | 68.961 | 16.797 |
| 155.342 | 37784.680 | 44804.227 | 30466.877 |
| 29.113 | 26.466 | 1.021 | |
| 10/18/2016 6:45:00 PM | 506700.000 | 68.959 | 16.800 |
| 155.337 | 37773.488 | 44788.469 | 30456.160 |
| 29.102 | 26.474 | 1.021 | |
| 10/18/2016 7:00:00 PM | 507600.000 | 68.957 | 16.796 |
| 155.333 | 37812.551 | 44838.438 | 30490.141 |
| 29.138 | 26.446 | 1.021 | |
| 10/18/2016 7:15:00 PM | 508500.000 | 68.948 | 16.805 |
| 155.311 | 37830.973 | 44851.012 | 30498.689 |
| 29.147 | 26.433 | 1.021 | |
| 10/18/2016 7:30:00 PM | 509400.000 | 68.937 | 16.801 |

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|---|---|---|---|
| 155.288 | 37817.750 | 44839.883 | 30491.123 |
| 29.139 | 26.443 | 1.021 | |
| 10/18/2016 7:45:00 PM | 510300.000 | 68.933 | 16.808 |
| 155.279 | 37767.617 | 44773.324 | 30445.863 |
| 29.091 | 26.478 | 1.021 | |
| 10/18/2016 8:00:00 PM | 511200.000 | 68.927 | 16.801 |
| 155.265 | 37819.461 | 44842.086 | 30492.621 |
| 29.141 | 26.441 | 1.021 | |
| 10/18/2016 8:15:00 PM | 512100.000 | 68.922 | 16.797 |
| 155.255 | 37818.395 | 44844.832 | 30494.488 |
| 29.142 | 26.442 | 1.021 | |
| 10/18/2016 8:30:00 PM | 513000.000 | 68.914 | 16.803 |
| 155.235 | 37795.934 | 44811.871 | 30472.074 |
| 29.119 | 26.458 | 1.021 | |
| 10/18/2016 8:45:00 PM | 513900.000 | 68.909 | 16.807 |
| 155.224 | 37807.602 | 44821.168 | 30478.395 |
| 29.126 | 26.450 | 1.021 | |
| 10/18/2016 9:00:00 PM | 514800.000 | 68.906 | 16.805 |
| 155.216 | 37821.273 | 44840.219 | 30491.350 |
| 29.140 | 26.440 | 1.021 | |
| 10/18/2016 9:15:00 PM | 515700.000 | 68.905 | 16.812 |
| 155.214 | 37808.727 | 44818.227 | 30476.396 |
| 29.124 | 26.449 | 1.021 | |
| 10/18/2016 9:30:00 PM | 516600.000 | 68.913 | 16.808 |
| 155.233 | 37805.297 | 44818.258 | 30476.418 |
| 29.124 | 26.451 | 1.021 | |
| 10/18/2016 9:45:00 PM | 517500.000 | 68.896 | 16.798 |
| 155.195 | 37791.578 | 44811.254 | 30471.652 |
| 29.118 | 26.461 | 1.021 | |
| 10/18/2016 10:00:00 PM | 518400.000 | 68.892 | 16.800 |
| 155.187 | 37796.133 | 44815.500 | 30474.543 |
| 29.121 | 26.458 | 1.021 | |
| 10/18/2016 10:15:00 PM | 519300.000 | 68.908 | 16.795 |
| 155.223 | 37787.375 | 44809.305 | 30470.330 |
| 29.117 | 26.464 | 1.021 | |
| 10/18/2016 10:30:00 PM | 520200.000 | 68.888 | 16.804 |
| 155.176 | 37819.445 | 44838.152 | 30489.945 |
| 29.138 | 26.441 | 1.021 | |
| 10/18/2016 10:45:00 PM | 521100.000 | 68.888 | 16.806 |
| 155.178 | 37749.301 | 44753.027 | 30432.061 |
| 29.077 | 26.491 | 1.021 | |
| 10/18/2016 11:00:00 PM | 522000.000 | 68.882 | 16.808 |
| 155.164 | 37825.016 | 44840.922 | 30491.828 |
| 29.140 | 26.438 | 1.021 | |
| 10/18/2016 11:15:00 PM | 522900.000 | 68.882 | 16.813 |
| 155.164 | 37798.262 | 44803.957 | 30466.691 |
| 29.114 | 26.456 | 1.021 | |
| 10/18/2016 11:30:00 PM | 523800.000 | 68.883 | 16.814 |
| 155.167 | 37834.676 | 44846.129 | 30495.369 |
| 29.144 | 26.431 | 1.021 | |
| 10/18/2016 11:45:00 PM | 524700.000 | 68.898 | 16.808 |
| 155.199 | 37765.684 | 44770.934 | 30444.236 |
| 29.090 | 26.479 | 1.021 | |
| 10/19/2016 12:00:00 AM | 525600.000 | 68.903 | 16.811 |
| 155.210 | 37801.367 | 44810.578 | 30471.195 |
| 29.118 | 26.454 | 1.021 | |

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| 10/19/2016 12:15:00 AM | 526500.000 | 68.887 | 16.805 |
| 155.175 | 37796.547 | 44810.027 | 30470.820 |
| 29.118 | 26.457 | 1.021 | |
| 10/19/2016 12:30:00 AM | 527400.000 | 68.888 | 16.804 |
| 155.177 | 37789.691 | 44803.758 | 30466.557 |
| 29.113 | 26.462 | 1.021 | |
| 10/19/2016 12:45:00 AM | 528300.000 | 68.889 | 16.808 |
| 155.179 | 37758.816 | 44763.156 | 30438.949 |
| 29.084 | 26.484 | 1.021 | |
| 10/19/2016 1:00:00 AM | 529200.000 | 68.892 | 16.805 |
| 155.187 | 37807.391 | 44823.586 | 30480.039 |
| 29.128 | 26.450 | 1.021 | |
| 10/19/2016 1:15:00 AM | 530100.000 | 68.896 | 16.800 |
| 155.196 | 37755.730 | 44767.414 | 30441.844 |
| 29.087 | 26.486 | 1.021 | |
| 10/19/2016 1:30:00 AM | 531000.000 | 68.912 | 16.807 |
| 155.231 | 37825.074 | 44842.145 | 30492.660 |
| 29.141 | 26.437 | 1.021 | |
| 10/19/2016 1:45:00 AM | 531900.000 | 68.916 | 16.801 |
| 155.241 | 37788.273 | 44804.578 | 30467.115 |
| 29.114 | 26.463 | 1.021 | |
| 10/19/2016 2:00:00 AM | 532800.000 | 68.902 | 16.806 |
| 155.209 | 37772.242 | 44780.410 | 30450.682 |
| 29.096 | 26.474 | 1.021 | |
| 10/19/2016 2:15:00 AM | 533700.000 | 68.908 | 16.809 |
| 155.221 | 37785.703 | 44793.691 | 30459.713 |
| 29.106 | 26.465 | 1.021 | |
| 10/19/2016 2:30:00 AM | 534600.000 | 68.926 | 16.808 |
| 155.263 | 37797.020 | 44807.734 | 30469.262 |
| 29.116 | 26.457 | 1.021 | |
| 10/19/2016 2:45:00 AM | 535500.000 | 68.919 | 16.803 |
| 155.247 | 37795.234 | 44810.957 | 30471.453 |
| 29.118 | 26.458 | 1.021 | |
| 10/19/2016 3:00:00 AM | 536400.000 | 68.917 | 16.805 |
| 155.243 | 37795.828 | 44809.254 | 30470.295 |
| 29.117 | 26.458 | 1.021 | |
| 10/19/2016 3:15:00 AM | 537300.000 | 68.920 | 16.812 |
| 155.250 | 37800.789 | 44808.910 | 30470.061 |
| 29.117 | 26.454 | 1.021 | |
| 10/19/2016 3:30:00 AM | 538200.000 | 68.925 | 16.809 |
| 155.260 | 37818.621 | 44832.813 | 30486.314 |
| 29.134 | 26.442 | 1.021 | |
| 10/19/2016 3:45:00 AM | 539100.000 | 68.927 | 16.811 |
| 155.265 | 37801.570 | 44810.539 | 30471.166 |
| 29.118 | 26.454 | 1.021 | |
| 10/19/2016 4:00:00 AM | 540000.000 | 68.927 | 16.814 |
| 155.265 | 37825.691 | 44835.852 | 30488.381 |
| 29.137 | 26.437 | 1.021 | |
| 10/19/2016 4:15:00 AM | 540900.000 | 68.931 | 16.811 |
| 155.274 | 37820.246 | 44832.586 | 30486.160 |
| 29.134 | 26.441 | 1.021 | |
| 10/19/2016 4:30:00 AM | 541800.000 | 68.935 | 16.807 |
| 155.282 | 37816.043 | 44831.262 | 30485.260 |
| 29.133 | 26.444 | 1.021 | |
| 10/19/2016 4:45:00 AM | 542700.000 | 68.934 | 16.802 |
| 155.281 | 37809.316 | 44828.195 | 30483.176 |

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|---|---|---|---|
| 29.131 | 26.449 | 1.021 | |
| 10/19/2016 5:00:00 AM | 543600.000 | 68.935 | 16.804 |
| 155.282 | 37778.723 | 44789.957 | 30457.172 |
| 29.103 | 26.470 | 1.021 | |
| 10/19/2016 5:15:00 AM | 544500.000 | 68.952 | 16.812 |
| 155.321 | 37802.543 | 44810.629 | 30471.230 |
| 29.119 | 26.453 | 1.021 | |
| 10/19/2016 5:30:00 AM | 545400.000 | 68.953 | 16.808 |
| 155.323 | 37800.461 | 44812.523 | 30472.518 |
| 29.120 | 26.455 | 1.021 | |
| 10/19/2016 5:45:00 AM | 546300.000 | 68.936 | 16.804 |
| 155.285 | 37779.453 | 44791.445 | 30458.186 |
| 29.104 | 26.469 | 1.021 | |
| 10/19/2016 6:00:00 AM | 547200.000 | 68.937 | 16.807 |
| 155.288 | 37825.230 | 44842.066 | 30492.607 |
| 29.141 | 26.437 | 1.021 | |
| 10/19/2016 6:15:00 AM | 548100.000 | 68.954 | 16.800 |
| 155.325 | 37831.609 | 44856.766 | 30502.604 |
| 29.151 | 26.433 | 1.021 | |
| 10/19/2016 6:30:00 AM | 549000.000 | 68.939 | 16.807 |
| 155.292 | 37816.004 | 44831.129 | 30485.170 |
| 29.133 | 26.444 | 1.021 | |
| 10/19/2016 6:45:00 AM | 549900.000 | 68.940 | 16.811 |
| 155.294 | 37789.723 | 44796.496 | 30461.619 |
| 29.108 | 26.462 | 1.021 | |
| 10/19/2016 7:00:00 AM | 550800.000 | 68.952 | 16.810 |
| 155.321 | 37820.992 | 44834.285 | 30487.316 |
| 29.136 | 26.440 | 1.021 | |
| 10/19/2016 7:15:00 AM | 551700.000 | 68.938 | 16.806 |
| 155.289 | 37766.012 | 44772.930 | 30445.594 |
| 29.091 | 26.479 | 1.021 | |
| 10/19/2016 7:30:00 AM | 552600.000 | 68.942 | 16.801 |
| 155.298 | 37830.367 | 44854.668 | 30501.176 |
| 29.150 | 26.434 | 1.021 | |
| 10/19/2016 7:45:00 AM | 553500.000 | 68.937 | 16.807 |
| 155.288 | 37780.211 | 44789.059 | 30456.563 |
| 29.103 | 26.469 | 1.021 | |
| 10/19/2016 8:00:00 AM | 554400.000 | 68.938 | 16.806 |
| 155.291 | 37792.930 | 44805.375 | 30467.656 |
| 29.114 | 26.460 | 1.021 | |
| 10/19/2016 8:15:00 AM | 555300.000 | 68.938 | 16.806 |
| 155.289 | 37792.047 | 44804.242 | 30466.887 |
| 29.114 | 26.461 | 1.021 | |
| 10/19/2016 8:30:00 AM | 556200.000 | 68.936 | 16.809 |
| 155.286 | 37796.344 | 44806.574 | 30468.471 |
| 29.115 | 26.458 | 1.021 | |
| 10/19/2016 8:45:00 AM | 557100.000 | 68.934 | 16.802 |
| 155.281 | 37796.855 | 44814.031 | 30473.543 |
| 29.120 | 26.457 | 1.021 | |
| 10/19/2016 9:00:00 AM | 558000.000 | 68.940 | 16.803 |
| 155.295 | 37802.918 | 44819.984 | 30477.590 |
| 29.125 | 26.453 | 1.021 | |
| 10/19/2016 9:15:00 AM | 558900.000 | 68.939 | 16.805 |
| 155.292 | 37771.871 | 44781.477 | 30451.406 |
| 29.097 | 26.475 | 1.021 | |
| 10/19/2016 9:30:00 AM | 559800.000 | 68.951 | 16.804 |

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|---|---|---|---|
| 155.320 | 37804.902 | 44821.086 | 30478.340 |
| 29.126 | 26.452 | 1.021 | |
| 10/19/2016 9:45:00 AM | 560700.000 | 68.938 | 16.801 |
| 155.290 | 37771.586 | 44785.320 | 30454.020 |
| 29.100 | 26.475 | 1.021 | |
| 10/19/2016 10:00:00 AM | 561600.000 | 68.958 | 16.802 |
| 155.334 | 37821.254 | 44843.234 | 30493.402 |
| 29.142 | 26.440 | 1.021 | |
| 10/19/2016 10:15:00 AM | 562500.000 | 68.960 | 16.804 |
| 155.340 | 37787.637 | 44801.324 | 30464.900 |
| 29.111 | 26.464 | 1.021 | |
| 10/19/2016 10:30:00 AM | 563400.000 | 68.958 | 16.812 |
| 155.335 | 37815.434 | 44825.652 | 30481.445 |
| 29.129 | 26.444 | 1.021 | |
| 10/19/2016 10:45:00 AM | 564300.000 | 68.946 | 16.808 |
| 155.308 | 37817.941 | 44833.070 | 30486.490 |
| 29.135 | 26.442 | 1.021 | |
| 10/19/2016 11:00:00 AM | 565200.000 | 68.965 | 16.807 |
| 155.350 | 37823.426 | 44839.926 | 30491.152 |
| 29.139 | 26.439 | 1.021 | |
| 10/19/2016 11:15:00 AM | 566100.000 | 68.967 | 16.805 |
| 155.354 | 37770.727 | 44779.492 | 30450.057 |
| 29.096 | 26.476 | 1.021 | |
| 10/19/2016 11:30:00 AM | 567000.000 | 68.951 | 16.812 |
| 155.320 | 37809.906 | 44819.445 | 30477.225 |
| 29.125 | 26.448 | 1.021 | |
| 10/19/2016 11:45:00 AM | 567900.000 | 68.959 | 16.810 |
| 155.337 | 37777.969 | 44783.453 | 30452.750 |
| 29.099 | 26.470 | 1.021 | |
| 10/19/2016 12:00:00 PM | 568800.000 | 68.980 | 16.809 |
| 155.383 | 37819.836 | 44833.715 | 30486.928 |
| 29.135 | 26.441 | 1.021 | |
| 10/19/2016 12:15:00 PM | 569700.000 | 68.970 | 16.803 |
| 155.361 | 37819.555 | 44839.535 | 30490.887 |
| 29.139 | 26.441 | 1.021 | |
| 10/19/2016 12:30:00 PM | 570600.000 | 68.968 | 16.808 |
| 155.358 | 37807.141 | 44820.078 | 30477.656 |
| 29.125 | 26.450 | 1.021 | |
| 10/19/2016 12:45:00 PM | 571500.000 | 68.989 | 16.796 |
| 155.405 | 37761.875 | 44778.438 | 30449.340 |
| 29.094 | 26.482 | 1.021 | |
| 10/19/2016 1:00:00 PM | 572400.000 | 68.978 | 16.807 |
| 155.380 | 37803.797 | 44817.371 | 30475.814 |
| 29.123 | 26.452 | 1.021 | |
| 10/19/2016 1:15:00 PM | 573300.000 | 68.985 | 16.800 |
| 155.395 | 37814.715 | 44836.816 | 30489.037 |
| 29.137 | 26.445 | 1.021 | |
| 10/19/2016 1:30:00 PM | 574200.000 | 68.988 | 16.796 |
| 155.403 | 37770.000 | 44788.250 | 30456.012 |
| 29.101 | 26.476 | 1.021 | |
| 10/19/2016 1:45:00 PM | 575100.000 | 68.995 | 16.802 |
| 155.419 | 37809.746 | 44828.781 | 30483.574 |
| 29.131 | 26.448 | 1.021 | |
| 10/19/2016 2:00:00 PM | 576000.000 | 69.000 | 16.801 |
| 155.429 | 37785.555 | 44801.535 | 30465.047 |
| 29.111 | 26.465 | 1.021 | |

| | | | |
|---|---|---|---|
| 10/19/2016 2:15:00 PM | 576900.000 | 69.006 | 16.799 |
| 155.443 | 37757.707 | 44770.117 | 30443.682 |
| 29.089 | 26.485 | 1.021 | |
| 10/19/2016 2:30:00 PM | 577800.000 | 69.007 | 16.794 |
| 155.445 | 37784.652 | 44807.398 | 30469.033 |
| 29.115 | 26.466 | 1.021 | |
| 10/19/2016 2:45:00 PM | 578700.000 | 69.026 | 16.797 |
| 155.487 | 37789.758 | 44810.070 | 30470.850 |
| 29.117 | 26.462 | 1.021 | |
| 10/19/2016 3:00:00 PM | 579600.000 | 69.030 | 16.808 |
| 155.498 | 37792.980 | 44803.570 | 30466.430 |
| 29.113 | 26.460 | 1.021 | |
| 10/19/2016 3:15:00 PM | 580500.000 | 69.019 | 16.805 |
| 155.472 | 37789.813 | 44802.570 | 30465.750 |
| 29.112 | 26.462 | 1.021 | |
| 10/19/2016 3:30:00 PM | 581400.000 | 69.035 | 16.806 |
| 155.508 | 37818.129 | 44835.250 | 30487.973 |
| 29.136 | 26.442 | 1.021 | |
| 10/19/2016 3:45:00 PM | 582300.000 | 69.021 | 16.802 |
| 155.478 | 37768.047 | 44779.441 | 30450.021 |
| 29.095 | 26.477 | 1.021 | |
| 10/19/2016 4:00:00 PM | 583200.000 | 69.022 | 16.797 |
| 155.478 | 37801.914 | 44824.484 | 30480.652 |
| 29.128 | 26.454 | 1.021 | |
| 10/19/2016 4:15:00 PM | 584100.000 | 69.021 | 16.811 |
| 155.476 | 37784.203 | 44789.953 | 30457.168 |
| 29.104 | 26.466 | 1.021 | |
| 10/19/2016 4:30:00 PM | 585000.000 | 69.034 | 16.805 |
| 155.506 | 37809.508 | 44825.742 | 30481.508 |
| 29.129 | 26.448 | 1.021 | |
| 10/19/2016 4:45:00 PM | 585900.000 | 69.021 | 16.800 |
| 155.476 | 37773.098 | 44787.652 | 30455.605 |
| 29.101 | 26.474 | 1.021 | |
| 10/19/2016 5:00:00 PM | 586800.000 | 69.018 | 16.797 |
| 155.470 | 37786.809 | 44807.555 | 30469.139 |
| 29.115 | 26.464 | 1.021 | |
| 10/19/2016 5:15:00 PM | 587700.000 | 69.019 | 16.802 |
| 155.472 | 37766.578 | 44778.227 | 30449.195 |
| 29.095 | 26.478 | 1.021 | |
| 10/19/2016 5:30:00 PM | 588600.000 | 69.032 | 16.801 |
| 155.502 | 37801.680 | 44820.375 | 30477.857 |
| 29.125 | 26.454 | 1.021 | |
| 10/19/2016 5:45:00 PM | 589500.000 | 69.010 | 16.804 |
| 155.452 | 37795.426 | 44810.301 | 30471.004 |
| 29.118 | 26.458 | 1.021 | |
| 10/19/2016 6:00:00 PM | 590400.000 | 69.011 | 16.802 |
| 155.453 | 37819.293 | 44841.000 | 30491.883 |
| 29.140 | 26.442 | 1.021 | |
| 10/19/2016 6:15:00 PM | 591300.000 | 69.006 | 16.804 |
| 155.442 | 37764.809 | 44773.375 | 30445.896 |
| 29.091 | 26.480 | 1.021 | |
| 10/19/2016 6:30:00 PM | 592200.000 | 69.007 | 16.803 |
| 155.445 | 37814.355 | 44833.801 | 30486.986 |
| 29.135 | 26.445 | 1.021 | |
| 10/19/2016 6:45:00 PM | 593100.000 | 69.012 | 16.807 |
| 155.456 | 37779.680 | 44788.328 | 30456.064 |

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|---|---|---|---|
| 29.102 | 26.469 | 1.021 | |
| 10/19/2016 7:00:00 PM | 594000.000 | 69.007 | 16.800 |
| 155.445 | 37795.703 | 44814.277 | 30473.711 |
| 29.121 | 26.458 | 1.021 | |
| 10/19/2016 7:15:00 PM | 594900.000 | 68.986 | 16.806 |
| 155.397 | 37778.906 | 44788.750 | 30456.350 |
| 29.102 | 26.470 | 1.021 | |
| 10/19/2016 7:30:00 PM | 595800.000 | 68.982 | 16.799 |
| 155.388 | 37796.723 | 44817.086 | 30475.621 |
| 29.122 | 26.457 | 1.021 | |
| 10/19/2016 7:45:00 PM | 596700.000 | 68.991 | 16.802 |
| 155.410 | 37799.574 | 44816.902 | 30475.496 |
| 29.123 | 26.455 | 1.021 | |
| 10/19/2016 8:00:00 PM | 597600.000 | 68.968 | 16.805 |
| 155.358 | 37779.254 | 44789.789 | 30457.059 |
| 29.103 | 26.470 | 1.021 | |
| 10/19/2016 8:15:00 PM | 598500.000 | 68.962 | 16.806 |
| 155.344 | 37834.238 | 44854.086 | 30500.779 |
| 29.150 | 26.431 | 1.021 | |
| 10/19/2016 8:30:00 PM | 599400.000 | 68.976 | 16.803 |
| 155.375 | 37800.461 | 44816.711 | 30475.365 |
| 29.122 | 26.455 | 1.021 | |
| 10/19/2016 8:45:00 PM | 600300.000 | 68.948 | 16.801 |
| 155.311 | 37780.469 | 44795.402 | 30460.875 |
| 29.107 | 26.469 | 1.021 | |
| 10/19/2016 9:00:00 PM | 601200.000 | 68.961 | 16.807 |
| 155.342 | 37813.453 | 44828.902 | 30483.656 |
| 29.131 | 26.446 | 1.021 | |
| 10/19/2016 9:15:00 PM | 602100.000 | 68.942 | 16.799 |
| 155.298 | 37783.563 | 44800.848 | 30464.576 |
| 29.111 | 26.467 | 1.021 | |
| 10/19/2016 9:30:00 PM | 603000.000 | 68.934 | 16.805 |
| 155.280 | 37796.715 | 44810.754 | 30471.313 |
| 29.118 | 26.457 | 1.021 | |
| 10/19/2016 9:45:00 PM | 603900.000 | 68.944 | 16.815 |
| 155.302 | 37763.766 | 44761.102 | 30437.549 |
| 29.083 | 26.480 | 1.021 | |
| 10/19/2016 10:00:00 PM | 604800.000 | 68.924 | 16.806 |
| 155.258 | 37781.797 | 44792.094 | 30458.625 |
| 29.105 | 26.468 | 1.021 | |
| 10/19/2016 10:15:00 PM | 605700.000 | 68.934 | 16.802 |
| 155.282 | 37762.320 | 44773.180 | 30445.762 |
| 29.091 | 26.481 | 1.021 | |
| 10/19/2016 10:30:00 PM | 606600.000 | 68.930 | 16.808 |
| 155.271 | 37794.391 | 44805.328 | 30467.625 |
| 29.114 | 26.459 | 1.021 | |
| 10/19/2016 10:45:00 PM | 607500.000 | 68.912 | 16.808 |
| 155.232 | 37787.441 | 44797.004 | 30461.963 |
| 29.108 | 26.464 | 1.021 | |
| 10/19/2016 11:00:00 PM | 608400.000 | 68.913 | 16.801 |
| 155.233 | 37813.254 | 44834.645 | 30487.561 |
| 29.135 | 26.446 | 1.021 | |
| 10/19/2016 11:15:00 PM | 609300.000 | 68.904 | 16.806 |
| 155.212 | 37762.531 | 44769.160 | 30443.031 |
| 29.088 | 26.481 | 1.021 | |
| 10/19/2016 11:30:00 PM | 610200.000 | 68.902 | 16.808 |

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|---|---|---|---|
| 155.209 | 37812.176 | 44825.879 | 30481.600 |
| 29.129 | 26.447 | 1.021 | |
| 10/19/2016 11:45:00 PM | 611100.000 | 68.914 | 16.814 |
| 155.236 | 37754.090 | 44750.531 | 30430.363 |
| 29.075 | 26.487 | 1.021 | |

Report Date: 10/21/2016 8:26:29 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP MW-9S LT Test_2016-10-20_16-34-46-388-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP MW-9S
Device Name:
Serial Number: 427634
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 4
Used Battery(%): 9

Log Configuration
Log Name: MPWSP MW-9S LT Test
Created By: SKuiper
Computer Name: PROBOOK8
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 8/17/2016 12:56:58 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 8/17/2016 1:30:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.012

Other Log Settings
Depth of Probe: 33.4077 (ft)
Head Pressure: 14.6569 (PSI)
Temperature: 21.7578 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

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Log Notes:

| Date and Time | Note |
|---|---|
| 8/17/2016 12:56:59 PM | Used Battery: 9% Used Memory: 7% User Name: SKuiper |
| 8/18/2016 3:22:43 PM | Log Download - Used Battery: 9% Used Memory: 7% User Name: SKuiper Interval - Start Time: 8/10/2016 10:30:00 PM Stop Time: 8/18/2016 4:15:00 PM |
| 8/25/2016 11:48:32 AM | Log Download - Used Battery: 9% Used Memory: 7% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 12:45:00 PM |
| 9/1/2016 3:53:04 PM | Log Download - Used Battery: 10% Used Memory: 9% User Name: skuiper Interval - Start Time: 7/31/2016 1:30:00 PM Stop Time: 9/1/2016 3:45:00 PM |
| 9/8/2016 6:09:52 PM | Log Download - Used Battery: 10% Used Memory: 9% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 6:00:00 PM |
| 9/15/2016 2:41:57 PM | Log Download - Used Battery: 10% Used Memory: 10% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 3:30:00 PM |
| 9/22/2016 12:10:44 PM | Log Download - Used Battery: 11% Used Memory: 10% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 1:00:00 PM |
| 10/1/2016 10:48:16 AM | Log Download - Used Battery: 11% Used Memory: 12% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 11:45:00 AM |
| 10/7/2016 4:48:35 PM | Log Download - Used Battery: 11% Used Memory: 12% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 4:45:00 PM |
| 10/13/2016 4:12:06 PM | Log Download - Used Battery: 12% Used Memory: 14% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 4:00:00 PM |
| 10/20/2016 4:33:55 PM | Log Download - Used Battery: 12% Used Memory: 14% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 4:30:00 PM |
| 10/21/2016 8:23:58 AM | User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl"" |

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Log Data:
Record Count: 746
Sensors: 2
1 - 427634: PCTD 100 PSIA (60.1m/197.3ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

| | | Sensor: PCTD(A) 197.3ft | Sensor: PCTD(A) 197.3ft | Sensor: |
|---|---|---|---|---|
| PCTD(A) 197.3ft | Sensor: PCTD(A) 197.3ft | Sensor: PCTD(A) 197.3ft | Sensor: | |
| PCTD(A) 197.3ft | Sensor: PCTD(A) 197.3ft | Sensor: PCTD(A) 197.3ft | Sensor: | |
| PCTD(A) 197.3ft | Sensor: Baro-Adj Calc | | | |
| | SN#: 427634 | SN#: 427634 | SN#: 427634 | |
| SN#: 427634 | SN#: 427634 | SN#: 427634 | SN#: 427634 | |
| SN#: 427634 | SN#: 427634 | SN#: 000000 | | |

| Date and Time | Elapsed Time Seconds | Corrected Pressure (PSI) | Temperature (C) | Corrected Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppt) | Resistivity (ohm-cm) | Water Density (g/cm3) |
|---|---|---|---|---|---|---|---|---|---|---|

Barometric Pressure (PSI)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 10/13/2016 12:00:00 AM | 7200.000 | 25.685 | 16.900 | 58.544 | 4175.540 | 4939.773 | 2.674 | 3.359 | 239.490 |
| 1.001 | 14.771 | | | | | | | | |
| 10/13/2016 12:15:00 AM | 8100.000 | 25.688 | 16.900 | 58.552 | 4175.042 | 4939.212 | 2.674 | 3.359 | 239.519 |
| 1.001 | 14.771 | | | | | | | | |
| 10/13/2016 12:30:00 AM | 9000.000 | 25.686 | 16.900 | 58.547 | 4175.837 | 4940.164 | 2.674 | 3.359 | 239.473 |
| 1.001 | 14.773 | | | | | | | | |
| 10/13/2016 12:45:00 AM | 9900.000 | 25.686 | 16.900 | 58.546 | 4175.637 | 4939.839 | 2.674 | 3.359 | 239.484 |
| 1.001 | 14.775 | | | | | | | | |
| 10/13/2016 1:00:00 AM | 10800.000 | 25.688 | 16.900 | 58.550 | 4175.692 | 4939.943 | 2.674 | 3.359 | 239.481 |
| 1.001 | 14.777 | | | | | | | | |
| 10/13/2016 1:15:00 AM | 11700.000 | 25.680 | 16.901 | 58.534 | 4175.116 | 4939.203 | 2.674 | 3.359 | 239.514 |
| 1.001 | 14.782 | | | | | | | | |
| 10/13/2016 1:30:00 AM | 12600.000 | 25.684 | 16.900 | 58.542 | 4174.913 | 4939.031 | 2.673 | 3.359 | 239.526 |
| 1.001 | 14.772 | | | | | | | | |
| 10/13/2016 1:45:00 AM | 13500.000 | 25.692 | 16.900 | 58.559 | 4174.604 | 4938.704 | 2.673 | 3.358 | 239.544 |
| 1.001 | 14.770 | | | | | | | | |
| 10/13/2016 2:00:00 AM | 14400.000 | 25.686 | 16.900 | 58.546 | 4174.891 | 4939.005 | 2.673 | 3.359 | 239.527 |
| 1.001 | 14.774 | | | | | | | | |
| 10/13/2016 2:15:00 AM | 15300.000 | 25.687 | 16.901 | 58.548 | 4174.870 | 4938.882 | 2.673 | 3.358 | 239.528 |
| 1.001 | 14.774 | | | | | | | | |
| 10/13/2016 2:30:00 AM | 16200.000 | 25.685 | 16.901 | 58.544 | 4174.713 | 4938.736 | 2.673 | 3.358 | 239.537 |
| 1.001 | 14.772 | | | | | | | | |
| 10/13/2016 2:45:00 AM | 17100.000 | 25.689 | 16.901 | 58.554 | 4174.928 | 4938.971 | 2.673 | 3.359 | 239.525 |
| 1.001 | 14.773 | | | | | | | | |
| 10/13/2016 3:00:00 AM | 18000.000 | 25.686 | 16.900 | 58.546 | 4174.945 | 4939.021 | 2.673 | 3.359 | 239.524 |
| 1.001 | 14.778 | | | | | | | | |
| 10/13/2016 3:15:00 AM | 18900.000 | 25.688 | 16.901 | 58.551 | 4175.167 | 4939.272 | 2.674 | 3.359 | 239.511 |
| 1.001 | 14.769 | | | | | | | | |
| 10/13/2016 3:30:00 AM | 19800.000 | 25.693 | 16.901 | 58.562 | 4174.720 | 4938.724 | 2.673 | 3.358 | 239.537 |
| 1.001 | 14.764 | | | | | | | | |
| 10/13/2016 3:45:00 AM | 20700.000 | 25.694 | 16.901 | 58.565 | 4174.200 | 4938.109 | 2.673 | 3.358 | 239.567 |
| 1.001 | 14.763 | | | | | | | | |
| 10/13/2016 4:00:00 AM | 21600.000 | 25.694 | 16.901 | | | | | | |

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|---|---|---|---|
| 58.565 | 4175.447 | 4939.565 | 2.674 |
| 3.359 | 239.495 | 1.001 | 14.761 |
| 10/13/2016 4:15:00 AM | 22500.000 | 25.688 | 16.900 |
| 58.550 | 4175.821 | 4940.125 | 2.674 |
| 3.359 | 239.474 | 1.001 | 14.763 |
| 10/13/2016 4:30:00 AM | 23400.000 | 25.698 | 16.900 |
| 58.573 | 4175.794 | 4940.034 | 2.674 |
| 3.359 | 239.475 | 1.001 | 14.759 |
| 10/13/2016 4:45:00 AM | 24300.000 | 25.689 | 16.900 |
| 58.554 | 4176.292 | 4940.663 | 2.674 |
| 3.360 | 239.447 | 1.001 | 14.757 |
| 10/13/2016 5:00:00 AM | 25200.000 | 25.691 | 16.900 |
| 58.558 | 4175.647 | 4939.870 | 2.674 |
| 3.359 | 239.484 | 1.001 | 14.757 |
| 10/13/2016 5:15:00 AM | 26100.000 | 25.685 | 16.901 |
| 58.545 | 4175.694 | 4939.788 | 2.674 |
| 3.359 | 239.481 | 1.001 | 14.761 |
| 10/13/2016 5:30:00 AM | 27000.000 | 25.692 | 16.901 |
| 58.560 | 4176.130 | 4940.392 | 2.674 |
| 3.359 | 239.456 | 1.001 | 14.759 |
| 10/13/2016 5:45:00 AM | 27900.000 | 25.696 | 16.900 |
| 58.569 | 4175.770 | 4940.025 | 2.674 |
| 3.359 | 239.477 | 1.001 | 14.755 |
| 10/13/2016 6:00:00 AM | 28800.000 | 25.692 | 16.900 |
| 58.561 | 4175.426 | 4939.619 | 2.674 |
| 3.359 | 239.497 | 1.001 | 14.758 |
| 10/13/2016 6:15:00 AM | 29700.000 | 25.690 | 16.900 |
| 58.556 | 4175.831 | 4940.097 | 2.674 |
| 3.359 | 239.473 | 1.001 | 14.758 |
| 10/13/2016 6:30:00 AM | 30600.000 | 25.691 | 16.900 |
| 58.559 | 4176.100 | 4940.444 | 2.674 |
| 3.360 | 239.458 | 1.001 | 14.760 |
| 10/13/2016 6:45:00 AM | 31500.000 | 25.690 | 16.900 |
| 58.556 | 4175.661 | 4939.877 | 2.674 |
| 3.359 | 239.483 | 1.001 | 14.755 |
| 10/13/2016 7:00:00 AM | 32400.000 | 25.693 | 16.900 |
| 58.562 | 4175.619 | 4939.836 | 2.674 |
| 3.359 | 239.485 | 1.001 | 14.754 |
| 10/13/2016 7:15:00 AM | 33300.000 | 25.697 | 16.900 |
| 58.571 | 4175.520 | 4939.749 | 2.674 |
| 3.359 | 239.491 | 1.001 | 14.752 |
| 10/13/2016 7:30:00 AM | 34200.000 | 25.689 | 16.900 |
| 58.553 | 4175.924 | 4940.227 | 2.674 |
| 3.359 | 239.468 | 1.001 | 14.754 |
| 10/13/2016 7:45:00 AM | 35100.000 | 25.686 | 16.900 |
| 58.547 | 4175.550 | 4939.766 | 2.674 |
| 3.359 | 239.489 | 1.001 | 14.754 |
| 10/13/2016 8:00:00 AM | 36000.000 | 25.689 | 16.900 |
| 58.553 | 4175.799 | 4940.079 | 2.674 |
| 3.359 | 239.475 | 1.001 | 14.751 |
| 10/13/2016 8:15:00 AM | 36900.000 | 25.690 | 16.901 |
| 58.556 | 4175.892 | 4940.102 | 2.674 |
| 3.359 | 239.470 | 1.001 | 14.754 |
| 10/13/2016 8:30:00 AM | 37800.000 | 25.685 | 16.901 |

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|---|---|---|---|
| 58.544 | 4175.920 | 4940.164 | 2.674 |
| 3.359 | 239.468 | 1.001 | 14.757 |
| 10/13/2016 8:45:00 AM | 38700.000 | 25.685 | 16.900 |
| 58.543 | 4176.267 | 4940.613 | 2.674 |
| 3.360 | 239.448 | 1.001 | 14.759 |
| 10/13/2016 9:00:00 AM | 39600.000 | 25.684 | 16.899 |
| 58.543 | 4175.190 | 4939.467 | 2.674 |
| 3.359 | 239.510 | 1.001 | 14.760 |
| 10/13/2016 9:15:00 AM | 40500.000 | 25.687 | 16.901 |
| 58.548 | 4175.287 | 4939.385 | 2.674 |
| 3.359 | 239.505 | 1.001 | 14.761 |
| 10/13/2016 9:30:00 AM | 41400.000 | 25.683 | 16.901 |
| 58.539 | 4174.902 | 4938.959 | 2.673 |
| 3.358 | 239.527 | 1.001 | 14.771 |
| 10/13/2016 9:45:00 AM | 42300.000 | 25.687 | 16.900 |
| 58.550 | 4174.820 | 4938.950 | 2.673 |
| 3.358 | 239.531 | 1.001 | 14.763 |
| 10/13/2016 10:00:00 AM | 43200.000 | 25.689 | 16.900 |
| 58.552 | 4173.552 | 4937.411 | 2.672 |
| 3.357 | 239.604 | 1.001 | 14.774 |
| 10/13/2016 10:15:00 AM | 44100.000 | 25.683 | 16.901 |
| 58.539 | 4173.597 | 4937.416 | 2.672 |
| 3.357 | 239.601 | 1.001 | 14.770 |
| 10/13/2016 10:30:00 AM | 45000.000 | 25.685 | 16.900 |
| 58.543 | 4173.549 | 4937.388 | 2.672 |
| 3.357 | 239.604 | 1.001 | 14.770 |
| 10/13/2016 10:45:00 AM | 45900.000 | 25.680 | 16.901 |
| 58.532 | 4174.021 | 4937.908 | 2.673 |
| 3.358 | 239.577 | 1.001 | 14.773 |
| 10/13/2016 11:00:00 AM | 46800.000 | 25.680 | 16.901 |
| 58.532 | 4174.217 | 4938.091 | 2.673 |
| 3.358 | 239.566 | 1.001 | 14.773 |
| 10/13/2016 11:15:00 AM | 47700.000 | 25.677 | 16.901 |
| 58.526 | 4173.760 | 4937.580 | 2.673 |
| 3.358 | 239.592 | 1.001 | 14.776 |
| 10/13/2016 11:30:00 AM | 48600.000 | 25.683 | 16.901 |
| 58.540 | 4174.788 | 4938.804 | 2.673 |
| 3.358 | 239.533 | 1.001 | 14.775 |
| 10/13/2016 11:45:00 AM | 49500.000 | 25.679 | 16.900 |
| 58.531 | 4174.447 | 4938.469 | 2.673 |
| 3.358 | 239.553 | 1.001 | 14.770 |
| 10/13/2016 12:00:00 PM | 50400.000 | 25.683 | 16.901 |
| 58.540 | 4174.300 | 4938.248 | 2.673 |
| 3.358 | 239.561 | 1.001 | 14.770 |
| 10/13/2016 12:15:00 PM | 51300.000 | 25.684 | 16.900 |
| 58.543 | 4174.463 | 4938.450 | 2.673 |
| 3.358 | 239.552 | 1.001 | 14.770 |
| 10/13/2016 12:30:00 PM | 52200.000 | 25.685 | 16.900 |
| 58.545 | 4174.407 | 4938.413 | 2.673 |
| 3.358 | 239.555 | 1.001 | 14.770 |
| 10/13/2016 12:45:00 PM | 53100.000 | 25.687 | 16.900 |
| 58.550 | 4174.308 | 4938.334 | 2.673 |
| 3.358 | 239.561 | 1.001 | 14.765 |
| 10/13/2016 1:00:00 PM | 54000.000 | 25.676 | 16.900 |

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|---|---|---|---|
| 58.524 | 4174.271 | 4938.223 | 2.673 |
| 3.358 | 239.563 | 1.001 | 14.766 |
| 10/13/2016 1:15:00 PM | 54900.000 | 25.683 | 16.900 |
| 58.539 | 4174.601 | 4938.642 | 2.673 |
| 3.358 | 239.544 | 1.001 | 14.763 |
| 10/13/2016 1:30:00 PM | 55800.000 | 25.694 | 16.900 |
| 58.565 | 4175.408 | 4939.617 | 2.674 |
| 3.359 | 239.498 | 1.001 | 14.753 |
| 10/13/2016 1:45:00 PM | 56700.000 | 25.687 | 16.901 |
| 58.548 | 4174.759 | 4938.780 | 2.673 |
| 3.358 | 239.535 | 1.001 | 14.757 |
| 10/13/2016 2:00:00 PM | 57600.000 | 25.689 | 16.900 |
| 58.552 | 4176.112 | 4940.459 | 2.674 |
| 3.360 | 239.457 | 1.001 | 14.756 |
| 10/13/2016 2:15:00 PM | 58500.000 | 25.689 | 16.901 |
| 58.554 | 4176.182 | 4940.445 | 2.674 |
| 3.360 | 239.453 | 1.001 | 14.755 |
| 10/13/2016 2:30:00 PM | 59400.000 | 25.686 | 16.900 |
| 58.545 | 4176.401 | 4940.762 | 2.674 |
| 3.360 | 239.441 | 1.001 | 14.752 |
| 10/13/2016 2:45:00 PM | 60300.000 | 25.688 | 16.900 |
| 58.550 | 4176.296 | 4940.628 | 2.674 |
| 3.360 | 239.447 | 1.001 | 14.750 |
| 10/13/2016 3:00:00 PM | 61200.000 | 25.684 | 16.900 |
| 58.542 | 4177.263 | 4941.792 | 2.675 |
| 3.360 | 239.391 | 1.001 | 14.750 |
| 10/13/2016 3:15:00 PM | 62100.000 | 25.688 | 16.900 |
| 58.552 | 4176.681 | 4941.151 | 2.675 |
| 3.360 | 239.425 | 1.001 | 14.747 |
| 10/13/2016 3:30:00 PM | 63000.000 | 25.687 | 16.900 |
| 58.548 | 4176.808 | 4941.253 | 2.675 |
| 3.360 | 239.417 | 1.001 | 14.744 |
| 10/13/2016 3:45:00 PM | 63900.000 | 25.693 | 16.901 |
| 58.563 | 4176.962 | 4941.396 | 2.675 |
| 3.360 | 239.408 | 1.001 | 14.739 |
| 10/13/2016 4:00:00 PM | 64800.000 | 25.697 | 16.900 |
| 58.572 | 4176.191 | 4940.572 | 2.674 |
| 3.360 | 239.453 | 1.001 | 14.734 |
| 10/13/2016 4:15:00 PM | 65700.000 | 25.688 | 16.901 |
| 58.551 | 4179.202 | 4944.046 | 2.676 |
| 3.362 | 239.280 | 1.001 | 14.739 |
| 10/13/2016 4:30:00 PM | 66600.000 | 25.692 | 16.901 |
| 58.561 | 4177.081 | 4941.527 | 2.675 |
| 3.360 | 239.402 | 1.001 | 14.732 |
| 10/13/2016 4:45:00 PM | 67500.000 | 25.691 | 16.900 |
| 58.557 | 4176.903 | 4941.366 | 2.675 |
| 3.360 | 239.412 | 1.001 | 14.734 |
| 10/13/2016 5:00:00 PM | 68400.000 | 25.689 | 16.900 |
| 58.553 | 4177.426 | 4941.994 | 2.675 |
| 3.361 | 239.382 | 1.001 | 14.729 |
| 10/13/2016 5:15:00 PM | 69300.000 | 25.689 | 16.900 |
| 58.554 | 4176.937 | 4941.386 | 2.675 |
| 3.360 | 239.410 | 1.001 | 14.732 |
| 10/13/2016 5:30:00 PM | 70200.000 | 25.694 | 16.900 |

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|---|---|---|---|
| 58.564 | 4177.331 | 4941.872 | 2.675 |
| 3.360 | 239.387 | 1.001 | 14.726 |
| 10/13/2016 5:45:00 PM | 71100.000 | 25.700 | 16.901 |
| 58.577 | 4177.990 | 4942.592 | 2.675 |
| 3.361 | 239.350 | 1.001 | 14.722 |
| 10/13/2016 6:00:00 PM | 72000.000 | 25.691 | 16.901 |
| 58.558 | 4177.729 | 4942.303 | 2.675 |
| 3.361 | 239.365 | 1.001 | 14.725 |
| 10/13/2016 6:15:00 PM | 72900.000 | 25.691 | 16.901 |
| 58.557 | 4177.356 | 4941.843 | 2.675 |
| 3.360 | 239.386 | 1.001 | 14.729 |
| 10/13/2016 6:30:00 PM | 73800.000 | 25.689 | 16.899 |
| 58.554 | 4177.059 | 4941.628 | 2.675 |
| 3.360 | 239.403 | 1.001 | 14.732 |
| 10/13/2016 6:45:00 PM | 74700.000 | 25.686 | 16.900 |
| 58.546 | 4177.260 | 4941.827 | 2.675 |
| 3.360 | 239.391 | 1.001 | 14.731 |
| 10/13/2016 7:00:00 PM | 75600.000 | 25.687 | 16.900 |
| 58.549 | 4176.253 | 4940.586 | 2.674 |
| 3.360 | 239.449 | 1.001 | 14.733 |
| 10/13/2016 7:15:00 PM | 76500.000 | 25.693 | 16.900 |
| 58.563 | 4176.688 | 4941.091 | 2.675 |
| 3.360 | 239.424 | 1.001 | 14.728 |
| 10/13/2016 7:30:00 PM | 77400.000 | 25.689 | 16.901 |
| 58.554 | 4176.001 | 4940.260 | 2.674 |
| 3.359 | 239.464 | 1.001 | 14.733 |
| 10/13/2016 7:45:00 PM | 78300.000 | 25.689 | 16.901 |
| 58.552 | 4176.598 | 4940.936 | 2.675 |
| 3.360 | 239.429 | 1.001 | 14.733 |
| 10/13/2016 8:00:00 PM | 79200.000 | 25.684 | 16.900 |
| 58.542 | 4175.717 | 4939.991 | 2.674 |
| 3.359 | 239.480 | 1.001 | 14.739 |
| 10/13/2016 8:15:00 PM | 80100.000 | 25.686 | 16.900 |
| 58.547 | 4175.601 | 4939.835 | 2.674 |
| 3.359 | 239.486 | 1.001 | 14.733 |
| 10/13/2016 8:30:00 PM | 81000.000 | 25.684 | 16.900 |
| 58.541 | 4175.225 | 4939.351 | 2.674 |
| 3.359 | 239.508 | 1.001 | 14.738 |
| 10/13/2016 8:45:00 PM | 81900.000 | 25.687 | 16.900 |
| 58.548 | 4175.131 | 4939.279 | 2.674 |
| 3.359 | 239.513 | 1.001 | 14.736 |
| 10/13/2016 9:00:00 PM | 82800.000 | 25.692 | 16.900 |
| 58.560 | 4176.274 | 4940.593 | 2.674 |
| 3.360 | 239.448 | 1.001 | 14.735 |
| 10/13/2016 9:15:00 PM | 83700.000 | 25.685 | 16.901 |
| 58.544 | 4176.053 | 4940.282 | 2.674 |
| 3.359 | 239.461 | 1.001 | 14.734 |
| 10/13/2016 9:30:00 PM | 84600.000 | 25.678 | 16.900 |
| 58.528 | 4175.821 | 4940.134 | 2.674 |
| 3.359 | 239.474 | 1.001 | 14.743 |
| 10/13/2016 9:45:00 PM | 85500.000 | 25.679 | 16.901 |
| 58.530 | 4175.411 | 4939.561 | 2.674 |
| 3.359 | 239.497 | 1.001 | 14.744 |
| 10/13/2016 10:00:00 PM | 86400.000 | 25.684 | 16.901 |

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|---|---|---|---|
| 58.541 | 4174.814 | 4938.836 | 2.673 |
| 3.358 | 239.532 | 1.001 | 14.744 |
| 10/13/2016 10:15:00 PM | 87300.000 | 25.687 | 16.900 |
| 58.549 | 4175.501 | 4939.737 | 2.674 |
| 3.359 | 239.492 | 1.001 | 14.742 |
| 10/13/2016 10:30:00 PM | 88200.000 | 25.688 | 16.901 |
| 58.552 | 4174.718 | 4938.732 | 2.673 |
| 3.358 | 239.537 | 1.001 | 14.741 |
| 10/13/2016 10:45:00 PM | 89100.000 | 25.688 | 16.901 |
| 58.551 | 4174.264 | 4938.185 | 2.673 |
| 3.358 | 239.563 | 1.001 | 14.740 |
| 10/13/2016 11:00:00 PM | 90000.000 | 25.688 | 16.901 |
| 58.551 | 4174.292 | 4938.199 | 2.673 |
| 3.358 | 239.562 | 1.001 | 14.743 |
| 10/13/2016 11:15:00 PM | 90900.000 | 25.685 | 16.900 |
| 58.543 | 4174.668 | 4938.712 | 2.673 |
| 3.358 | 239.540 | 1.001 | 14.748 |
| 10/13/2016 11:30:00 PM | 91800.000 | 25.685 | 16.901 |
| 58.544 | 4174.765 | 4938.778 | 2.673 |
| 3.358 | 239.534 | 1.001 | 14.741 |
| 10/13/2016 11:45:00 PM | 92700.000 | 25.686 | 16.900 |
| 58.545 | 4174.860 | 4938.938 | 2.673 |
| 3.358 | 239.529 | 1.001 | 14.741 |
| 10/14/2016 12:00:00 AM | 93600.000 | 25.688 | 16.901 |
| 58.551 | 4174.825 | 4938.858 | 2.673 |
| 3.358 | 239.531 | 1.001 | 14.739 |
| 10/14/2016 12:15:00 AM | 94500.000 | 25.692 | 16.900 |
| 58.559 | 4174.627 | 4938.693 | 2.673 |
| 3.358 | 239.542 | 1.001 | 14.734 |
| 10/14/2016 12:30:00 AM | 95400.000 | 25.686 | 16.900 |
| 58.546 | 4175.093 | 4939.196 | 2.674 |
| 3.359 | 239.516 | 1.001 | 14.737 |
| 10/14/2016 12:45:00 AM | 96300.000 | 25.694 | 16.901 |
| 58.565 | 4175.101 | 4939.165 | 2.673 |
| 3.359 | 239.515 | 1.001 | 14.731 |
| 10/14/2016 1:00:00 AM | 97200.000 | 25.689 | 16.900 |
| 58.554 | 4174.494 | 4938.516 | 2.673 |
| 3.358 | 239.550 | 1.001 | 14.731 |
| 10/14/2016 1:15:00 AM | 98100.000 | 25.691 | 16.900 |
| 58.557 | 4174.994 | 4939.078 | 2.673 |
| 3.359 | 239.521 | 1.001 | 14.729 |
| 10/14/2016 1:30:00 AM | 99000.000 | 25.694 | 16.900 |
| 58.565 | 4175.021 | 4939.110 | 2.673 |
| 3.359 | 239.520 | 1.001 | 14.725 |
| 10/14/2016 1:45:00 AM | 99900.000 | 25.685 | 16.900 |
| 58.544 | 4175.292 | 4939.449 | 2.674 |
| 3.359 | 239.504 | 1.001 | 14.732 |
| 10/14/2016 2:00:00 AM | 100800.000 | 25.684 | 16.900 |
| 58.542 | 4175.803 | 4940.113 | 2.674 |
| 3.359 | 239.475 | 1.001 | 14.733 |
| 10/14/2016 2:15:00 AM | 101700.000 | 25.695 | 16.900 |
| 58.566 | 4175.806 | 4940.088 | 2.674 |
| 3.359 | 239.475 | 1.001 | 14.730 |
| 10/14/2016 2:30:00 AM | 102600.000 | 25.689 | 16.901 |

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|---|---|---|---|
| 58.553 | 4175.454 | 4939.593 | 2.674 |
| 3.359 | 239.495 | 1.001 | 14.730 |
| 10/14/2016 2:45:00 AM | 103500.000 | 25.690 | 16.901 |
| 58.555 | 4175.883 | 4940.110 | 2.674 |
| 3.359 | 239.470 | 1.001 | 14.732 |
| 10/14/2016 3:00:00 AM | 104400.000 | 25.691 | 16.901 |
| 58.559 | 4175.976 | 4940.151 | 2.674 |
| 3.359 | 239.465 | 1.001 | 14.727 |
| 10/14/2016 3:15:00 AM | 105300.000 | 25.692 | 16.900 |
| 58.559 | 4176.110 | 4940.408 | 2.674 |
| 3.359 | 239.457 | 1.001 | 14.732 |
| 10/14/2016 3:30:00 AM | 106200.000 | 25.689 | 16.901 |
| 58.553 | 4175.125 | 4939.204 | 2.674 |
| 3.359 | 239.514 | 1.001 | 14.734 |
| 10/14/2016 3:45:00 AM | 107100.000 | 25.684 | 16.901 |
| 58.541 | 4175.174 | 4939.185 | 2.674 |
| 3.359 | 239.511 | 1.001 | 14.733 |
| 10/14/2016 4:00:00 AM | 108000.000 | 25.684 | 16.901 |
| 58.542 | 4174.725 | 4938.750 | 2.673 |
| 3.358 | 239.537 | 1.001 | 14.736 |
| 10/14/2016 4:15:00 AM | 108900.000 | 25.682 | 16.900 |
| 58.538 | 4175.435 | 4939.628 | 2.674 |
| 3.359 | 239.496 | 1.001 | 14.736 |
| 10/14/2016 4:30:00 AM | 109800.000 | 25.682 | 16.900 |
| 58.537 | 4174.959 | 4939.056 | 2.673 |
| 3.359 | 239.523 | 1.001 | 14.735 |
| 10/14/2016 4:45:00 AM | 110700.000 | 25.690 | 16.901 |
| 58.556 | 4174.754 | 4938.755 | 2.673 |
| 3.358 | 239.535 | 1.001 | 14.725 |
| 10/14/2016 5:00:00 AM | 111600.000 | 25.686 | 16.900 |
| 58.546 | 4175.468 | 4939.668 | 2.674 |
| 3.359 | 239.494 | 1.001 | 14.731 |
| 10/14/2016 5:15:00 AM | 112500.000 | 25.694 | 16.901 |
| 58.564 | 4175.004 | 4939.061 | 2.673 |
| 3.359 | 239.521 | 1.001 | 14.724 |
| 10/14/2016 5:30:00 AM | 113400.000 | 25.692 | 16.900 |
| 58.559 | 4175.307 | 4939.487 | 2.674 |
| 3.359 | 239.503 | 1.001 | 14.726 |
| 10/14/2016 5:45:00 AM | 114300.000 | 25.696 | 16.900 |
| 58.568 | 4175.944 | 4940.221 | 2.674 |
| 3.359 | 239.467 | 1.001 | 14.721 |
| 10/14/2016 6:00:00 AM | 115200.000 | 25.689 | 16.901 |
| 58.554 | 4175.787 | 4939.997 | 2.674 |
| 3.359 | 239.476 | 1.001 | 14.726 |
| 10/14/2016 6:15:00 AM | 116100.000 | 25.697 | 16.900 |
| 58.571 | 4175.394 | 4939.580 | 2.674 |
| 3.359 | 239.498 | 1.001 | 14.722 |
| 10/14/2016 6:30:00 AM | 117000.000 | 25.685 | 16.900 |
| 58.543 | 4175.962 | 4940.224 | 2.674 |
| 3.359 | 239.466 | 1.001 | 14.728 |
| 10/14/2016 6:45:00 AM | 117900.000 | 25.686 | 16.900 |
| 58.545 | 4175.611 | 4939.866 | 2.674 |
| 3.359 | 239.486 | 1.001 | 14.726 |
| 10/14/2016 7:00:00 AM | 118800.000 | 25.687 | 16.900 |

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|---|---|---|---|
| 58.548 | 4175.964 | 4940.255 | 2.674 |
| 3.359 | 239.466 | 1.001 | 14.723 |
| 10/14/2016 7:15:00 AM | 119700.000 | 25.690 | 16.900 |
| 58.556 | 4175.433 | 4939.616 | 2.674 |
| 3.359 | 239.496 | 1.001 | 14.727 |
| 10/14/2016 7:30:00 AM | 120600.000 | 25.687 | 16.901 |
| 58.550 | 4175.688 | 4939.860 | 2.674 |
| 3.359 | 239.481 | 1.001 | 14.725 |
| 10/14/2016 7:45:00 AM | 121500.000 | 25.688 | 16.900 |
| 58.551 | 4175.780 | 4940.037 | 2.674 |
| 3.359 | 239.476 | 1.001 | 14.723 |
| 10/14/2016 8:00:00 AM | 122400.000 | 25.688 | 16.900 |
| 58.551 | 4175.225 | 4939.351 | 2.674 |
| 3.359 | 239.508 | 1.001 | 14.726 |
| 10/14/2016 8:15:00 AM | 123300.000 | 25.679 | 16.901 |
| 58.530 | 4174.571 | 4938.528 | 2.673 |
| 3.358 | 239.546 | 1.001 | 14.735 |
| 10/14/2016 8:30:00 AM | 124200.000 | 25.692 | 16.901 |
| 58.561 | 4174.362 | 4938.281 | 2.673 |
| 3.358 | 239.558 | 1.001 | 14.729 |
| 10/14/2016 8:45:00 AM | 125100.000 | 25.689 | 16.901 |
| 58.553 | 4173.869 | 4937.688 | 2.673 |
| 3.358 | 239.586 | 1.001 | 14.733 |
| 10/14/2016 9:00:00 AM | 126000.000 | 25.688 | 16.901 |
| 58.551 | 4174.225 | 4938.158 | 2.673 |
| 3.358 | 239.565 | 1.001 | 14.734 |
| 10/14/2016 9:15:00 AM | 126900.000 | 25.681 | 16.901 |
| 58.534 | 4174.453 | 4938.428 | 2.673 |
| 3.358 | 239.552 | 1.001 | 14.741 |
| 10/14/2016 9:30:00 AM | 127800.000 | 25.690 | 16.900 |
| 58.556 | 4174.369 | 4938.348 | 2.673 |
| 3.358 | 239.557 | 1.001 | 14.736 |
| 10/14/2016 9:45:00 AM | 128700.000 | 25.681 | 16.901 |
| 58.536 | 4173.703 | 4937.512 | 2.673 |
| 3.358 | 239.595 | 1.001 | 14.743 |
| 10/14/2016 10:00:00 AM | 129600.000 | 25.685 | 16.900 |
| 58.545 | 4173.347 | 4937.139 | 2.672 |
| 3.357 | 239.616 | 1.001 | 14.736 |
| 10/14/2016 10:15:00 AM | 130500.000 | 25.689 | 16.901 |
| 58.553 | 4173.527 | 4937.284 | 2.672 |
| 3.357 | 239.605 | 1.001 | 14.734 |
| 10/14/2016 10:30:00 AM | 131400.000 | 25.697 | 16.900 |
| 58.572 | 4173.877 | 4937.787 | 2.673 |
| 3.358 | 239.585 | 1.001 | 14.724 |
| 10/14/2016 10:45:00 AM | 132300.000 | 25.691 | 16.900 |
| 58.558 | 4173.495 | 4937.314 | 2.672 |
| 3.357 | 239.607 | 1.001 | 14.734 |
| 10/14/2016 11:00:00 AM | 133200.000 | 25.687 | 16.901 |
| 58.550 | 4174.465 | 4938.442 | 2.673 |
| 3.358 | 239.552 | 1.001 | 14.735 |
| 10/14/2016 11:15:00 AM | 134100.000 | 25.685 | 16.901 |
| 58.543 | 4174.651 | 4938.662 | 2.673 |
| 3.358 | 239.541 | 1.001 | 14.733 |
| 10/14/2016 11:30:00 AM | 135000.000 | 25.687 | 16.901 |

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|---|---|---|---|
| 58.549 | 4175.011 | 4939.079 | 2.673 |
| 3.359 | 239.520 | 1.001 | 14.731 |
| 10/14/2016 11:45:00 AM | 135900.000 | 25.690 | 16.901 |
| 58.555 | 4174.745 | 4938.715 | 2.673 |
| 3.358 | 239.536 | 1.001 | 14.730 |
| 10/14/2016 12:00:00 PM | 136800.000 | 25.687 | 16.900 |
| 58.548 | 4175.240 | 4939.370 | 2.674 |
| 3.359 | 239.507 | 1.001 | 14.729 |
| 10/14/2016 12:15:00 PM | 137700.000 | 25.687 | 16.900 |
| 58.548 | 4175.145 | 4939.266 | 2.674 |
| 3.359 | 239.513 | 1.001 | 14.728 |
| 10/14/2016 12:30:00 PM | 138600.000 | 25.695 | 16.901 |
| 58.566 | 4175.304 | 4939.435 | 2.674 |
| 3.359 | 239.504 | 1.001 | 14.721 |
| 10/14/2016 12:45:00 PM | 139500.000 | 25.687 | 16.900 |
| 58.548 | 4174.878 | 4938.950 | 2.673 |
| 3.358 | 239.528 | 1.001 | 14.727 |
| 10/14/2016 1:00:00 PM | 140400.000 | 25.680 | 16.900 |
| 58.532 | 4175.207 | 4939.408 | 2.674 |
| 3.359 | 239.509 | 1.001 | 14.725 |
| 10/14/2016 1:15:00 PM | 141300.000 | 25.690 | 16.901 |
| 58.555 | 4175.801 | 4940.013 | 2.674 |
| 3.359 | 239.475 | 1.001 | 14.716 |
| 10/14/2016 1:30:00 PM | 142200.000 | 25.693 | 16.900 |
| 58.562 | 4175.678 | 4939.937 | 2.674 |
| 3.359 | 239.482 | 1.001 | 14.716 |
| 10/14/2016 1:45:00 PM | 143100.000 | 25.693 | 16.899 |
| 58.562 | 4175.747 | 4940.077 | 2.674 |
| 3.359 | 239.478 | 1.001 | 14.708 |
| 10/14/2016 2:00:00 PM | 144000.000 | 25.692 | 16.900 |
| 58.560 | 4176.261 | 4940.655 | 2.674 |
| 3.360 | 239.449 | 1.001 | 14.709 |
| 10/14/2016 2:15:00 PM | 144900.000 | 25.690 | 16.899 |
| 58.556 | 4176.008 | 4940.385 | 2.674 |
| 3.359 | 239.463 | 1.001 | 14.710 |
| 10/14/2016 2:30:00 PM | 145800.000 | 25.691 | 16.900 |
| 58.557 | 4175.976 | 4940.308 | 2.674 |
| 3.359 | 239.465 | 1.001 | 14.708 |
| 10/14/2016 2:45:00 PM | 146700.000 | 25.691 | 16.900 |
| 58.558 | 4176.867 | 4941.382 | 2.675 |
| 3.360 | 239.414 | 1.001 | 14.705 |
| 10/14/2016 3:00:00 PM | 147600.000 | 25.690 | 16.900 |
| 58.556 | 4176.932 | 4941.429 | 2.675 |
| 3.360 | 239.410 | 1.001 | 14.703 |
| 10/14/2016 3:15:00 PM | 148500.000 | 25.693 | 16.900 |
| 58.561 | 4176.938 | 4941.388 | 2.675 |
| 3.360 | 239.410 | 1.001 | 14.703 |
| 10/14/2016 3:30:00 PM | 149400.000 | 25.698 | 16.900 |
| 58.574 | 4176.438 | 4940.786 | 2.674 |
| 3.360 | 239.439 | 1.001 | 14.697 |
| 10/14/2016 3:45:00 PM | 150300.000 | 25.694 | 16.900 |
| 58.564 | 4176.945 | 4941.416 | 2.675 |
| 3.360 | 239.409 | 1.001 | 14.696 |
| 10/14/2016 4:00:00 PM | 151200.000 | 25.693 | 16.900 |

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|---|---|---|---|
| 58.561 | 4177.091 | 4941.627 | 2.675 |
| 3.360 | 239.401 | 1.001 | 14.704 |
| 10/14/2016 4:15:00 PM | 152100.000 | 25.694 | 16.901 |
| 58.564 | 4177.653 | 4942.204 | 2.675 |
| 3.361 | 239.369 | 1.001 | 14.700 |
| 10/14/2016 4:30:00 PM | 153000.000 | 25.696 | 16.900 |
| 58.569 | 4177.512 | 4942.115 | 2.675 |
| 3.361 | 239.377 | 1.001 | 14.697 |
| 10/14/2016 4:45:00 PM | 153900.000 | 25.695 | 16.901 |
| 58.567 | 4177.643 | 4942.192 | 2.675 |
| 3.361 | 239.369 | 1.001 | 14.696 |
| 10/14/2016 5:00:00 PM | 154800.000 | 25.692 | 16.900 |
| 58.561 | 4176.977 | 4941.443 | 2.675 |
| 3.360 | 239.408 | 1.001 | 14.694 |
| 10/14/2016 5:15:00 PM | 155700.000 | 25.696 | 16.900 |
| 58.570 | 4177.062 | 4941.582 | 2.675 |
| 3.360 | 239.403 | 1.001 | 14.694 |
| 10/14/2016 5:30:00 PM | 156600.000 | 25.697 | 16.900 |
| 58.572 | 4176.648 | 4941.036 | 2.675 |
| 3.360 | 239.426 | 1.001 | 14.694 |
| 10/14/2016 5:45:00 PM | 157500.000 | 25.690 | 16.900 |
| 58.556 | 4176.591 | 4940.977 | 2.675 |
| 3.360 | 239.430 | 1.001 | 14.696 |
| 10/14/2016 6:00:00 PM | 158400.000 | 25.699 | 16.901 |
| 58.576 | 4177.067 | 4941.511 | 2.675 |
| 3.360 | 239.402 | 1.001 | 14.693 |
| 10/14/2016 6:15:00 PM | 159300.000 | 25.688 | 16.900 |
| 58.550 | 4177.019 | 4941.512 | 2.675 |
| 3.360 | 239.405 | 1.001 | 14.699 |
| 10/14/2016 6:30:00 PM | 160200.000 | 25.687 | 16.901 |
| 58.548 | 4177.168 | 4941.620 | 2.675 |
| 3.360 | 239.397 | 1.001 | 14.696 |
| 10/14/2016 6:45:00 PM | 161100.000 | 25.692 | 16.900 |
| 58.560 | 4176.799 | 4941.262 | 2.675 |
| 3.360 | 239.418 | 1.001 | 14.695 |
| 10/14/2016 7:00:00 PM | 162000.000 | 25.691 | 16.901 |
| 58.557 | 4176.304 | 4940.598 | 2.674 |
| 3.360 | 239.446 | 1.001 | 14.697 |
| 10/14/2016 7:15:00 PM | 162900.000 | 25.694 | 16.901 |
| 58.564 | 4176.247 | 4940.541 | 2.674 |
| 3.360 | 239.449 | 1.001 | 14.699 |
| 10/14/2016 7:30:00 PM | 163800.000 | 25.681 | 16.901 |
| 58.535 | 4176.070 | 4940.302 | 2.674 |
| 3.359 | 239.460 | 1.001 | 14.709 |
| 10/14/2016 7:45:00 PM | 164700.000 | 25.686 | 16.900 |
| 58.546 | 4175.997 | 4940.313 | 2.674 |
| 3.359 | 239.464 | 1.001 | 14.702 |
| 10/14/2016 8:00:00 PM | 165600.000 | 25.689 | 16.900 |
| 58.553 | 4175.859 | 4940.102 | 2.674 |
| 3.359 | 239.472 | 1.001 | 14.705 |
| 10/14/2016 8:15:00 PM | 166500.000 | 25.686 | 16.901 |
| 58.547 | 4176.170 | 4940.450 | 2.674 |
| 3.360 | 239.454 | 1.001 | 14.705 |
| 10/14/2016 8:30:00 PM | 167400.000 | 25.693 | 16.900 |

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|---|---|---|---|
| 58.563 | 4175.333 | 4939.519 | 2.674 |
| 3.359 | 239.502 | 1.001 | 14.699 |
| 10/14/2016 8:45:00 PM | 168300.000 | 25.687 | 16.901 |
| 58.548 | 4174.615 | 4938.601 | 2.673 |
| 3.358 | 239.543 | 1.001 | 14.705 |
| 10/14/2016 9:00:00 PM | 169200.000 | 25.688 | 16.901 |
| 58.551 | 4173.986 | 4937.866 | 2.673 |
| 3.358 | 239.579 | 1.001 | 14.703 |
| 10/14/2016 9:15:00 PM | 170100.000 | 25.687 | 16.901 |
| 58.548 | 4174.659 | 4938.652 | 2.673 |
| 3.358 | 239.541 | 1.001 | 14.707 |
| 10/14/2016 9:30:00 PM | 171000.000 | 25.687 | 16.901 |
| 58.549 | 4174.554 | 4938.528 | 2.673 |
| 3.358 | 239.547 | 1.001 | 14.705 |
| 10/14/2016 9:45:00 PM | 171900.000 | 25.687 | 16.901 |
| 58.549 | 4174.938 | 4938.981 | 2.673 |
| 3.359 | 239.525 | 1.001 | 14.709 |
| 10/14/2016 10:00:00 PM | 172800.000 | 25.685 | 16.900 |
| 58.545 | 4175.037 | 4939.129 | 2.673 |
| 3.359 | 239.519 | 1.001 | 14.711 |
| 10/14/2016 10:15:00 PM | 173700.000 | 25.694 | 16.901 |
| 58.566 | 4174.269 | 4938.210 | 2.673 |
| 3.358 | 239.563 | 1.001 | 14.703 |
| 10/14/2016 10:30:00 PM | 174600.000 | 25.690 | 16.901 |
| 58.555 | 4174.568 | 4938.545 | 2.673 |
| 3.358 | 239.546 | 1.001 | 14.708 |
| 10/14/2016 10:45:00 PM | 175500.000 | 25.689 | 16.900 |
| 58.552 | 4174.276 | 4938.248 | 2.673 |
| 3.358 | 239.563 | 1.001 | 14.714 |
| 10/14/2016 11:00:00 PM | 176400.000 | 25.690 | 16.900 |
| 58.555 | 4173.892 | 4937.803 | 2.673 |
| 3.358 | 239.585 | 1.001 | 14.709 |
| 10/14/2016 11:15:00 PM | 177300.000 | 25.692 | 16.901 |
| 58.561 | 4173.586 | 4937.344 | 2.672 |
| 3.357 | 239.602 | 1.001 | 14.710 |
| 10/14/2016 11:30:00 PM | 178200.000 | 25.688 | 16.900 |
| 58.552 | 4173.769 | 4937.647 | 2.673 |
| 3.358 | 239.592 | 1.001 | 14.713 |
| 10/14/2016 11:45:00 PM | 179100.000 | 25.692 | 16.900 |
| 58.559 | 4173.295 | 4937.097 | 2.672 |
| 3.357 | 239.619 | 1.001 | 14.713 |
| 10/15/2016 12:00:00 AM | 180000.000 | 25.681 | 16.900 |
| 58.535 | 4174.315 | 4938.304 | 2.673 |
| 3.358 | 239.560 | 1.001 | 14.715 |
| 10/15/2016 12:15:00 AM | 180900.000 | 25.687 | 16.900 |
| 58.550 | 4174.973 | 4939.091 | 2.673 |
| 3.359 | 239.523 | 1.001 | 14.708 |
| 10/15/2016 12:30:00 AM | 181800.000 | 25.696 | 16.900 |
| 58.570 | 4174.625 | 4938.661 | 2.673 |
| 3.358 | 239.542 | 1.001 | 14.705 |
| 10/15/2016 12:45:00 AM | 182700.000 | 25.691 | 16.900 |
| 58.559 | 4174.706 | 4938.747 | 2.673 |
| 3.358 | 239.538 | 1.001 | 14.710 |
| 10/15/2016 1:00:00 AM | 183600.000 | 25.693 | 16.901 |

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|---|---|---|---|
| 58.563 | 4174.915 | 4938.935 | 2.673 |
| 3.358 | 239.526 | 1.001 | 14.702 |
| 10/15/2016 1:15:00 AM | 184500.000 | 25.690 | 16.901 |
| 58.555 | 4174.265 | 4938.166 | 2.673 |
| 3.358 | 239.563 | 1.001 | 14.708 |
| 10/15/2016 1:30:00 AM | 185400.000 | 25.690 | 16.901 |
| 58.556 | 4174.833 | 4938.849 | 2.673 |
| 3.358 | 239.531 | 1.001 | 14.709 |
| 10/15/2016 1:45:00 AM | 186300.000 | 25.691 | 16.900 |
| 58.557 | 4174.837 | 4938.911 | 2.673 |
| 3.358 | 239.530 | 1.001 | 14.707 |
| 10/15/2016 2:00:00 AM | 187200.000 | 25.694 | 16.901 |
| 58.564 | 4175.013 | 4939.062 | 2.673 |
| 3.359 | 239.520 | 1.001 | 14.706 |
| 10/15/2016 2:15:00 AM | 188100.000 | 25.689 | 16.901 |
| 58.553 | 4174.145 | 4937.985 | 2.673 |
| 3.358 | 239.570 | 1.001 | 14.713 |
| 10/15/2016 2:30:00 AM | 189000.000 | 25.689 | 16.901 |
| 58.552 | 4174.456 | 4938.382 | 2.673 |
| 3.358 | 239.552 | 1.001 | 14.711 |
| 10/15/2016 2:45:00 AM | 189900.000 | 25.697 | 16.901 |
| 58.570 | 4174.175 | 4938.100 | 2.673 |
| 3.358 | 239.568 | 1.001 | 14.702 |
| 10/15/2016 3:00:00 AM | 190800.000 | 25.691 | 16.900 |
| 58.557 | 4173.536 | 4937.354 | 2.672 |
| 3.357 | 239.605 | 1.001 | 14.706 |
| 10/15/2016 3:15:00 AM | 191700.000 | 25.694 | 16.900 |
| 58.566 | 4174.723 | 4938.815 | 2.673 |
| 3.358 | 239.537 | 1.001 | 14.704 |
| 10/15/2016 3:30:00 AM | 192600.000 | 25.692 | 16.901 |
| 58.561 | 4175.440 | 4939.557 | 2.674 |
| 3.359 | 239.496 | 1.001 | 14.707 |
| 10/15/2016 3:45:00 AM | 193500.000 | 25.688 | 16.900 |
| 58.550 | 4174.693 | 4938.761 | 2.673 |
| 3.358 | 239.539 | 1.001 | 14.706 |
| 10/15/2016 4:00:00 AM | 194400.000 | 25.690 | 16.900 |
| 58.556 | 4175.091 | 4939.202 | 2.674 |
| 3.359 | 239.516 | 1.001 | 14.704 |
| 10/15/2016 4:15:00 AM | 195300.000 | 25.692 | 16.901 |
| 58.560 | 4175.269 | 4939.383 | 2.674 |
| 3.359 | 239.506 | 1.001 | 14.700 |
| 10/15/2016 4:30:00 AM | 196200.000 | 25.699 | 16.901 |
| 58.576 | 4175.687 | 4939.888 | 2.674 |
| 3.359 | 239.482 | 1.001 | 14.693 |
| 10/15/2016 4:45:00 AM | 197100.000 | 25.696 | 16.900 |
| 58.569 | 4175.944 | 4940.231 | 2.674 |
| 3.359 | 239.467 | 1.001 | 14.693 |
| 10/15/2016 5:00:00 AM | 198000.000 | 25.692 | 16.900 |
| 58.560 | 4175.407 | 4939.567 | 2.674 |
| 3.359 | 239.498 | 1.001 | 14.697 |
| 10/15/2016 5:15:00 AM | 198900.000 | 25.691 | 16.900 |
| 58.559 | 4175.994 | 4940.319 | 2.674 |
| 3.359 | 239.464 | 1.001 | 14.697 |
| 10/15/2016 5:30:00 AM | 199800.000 | 25.691 | 16.901 |

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|---|---|---|---|
| 58.557 | 4175.883 | 4940.091 | 2.674 |
| 3.359 | 239.470 | 1.001 | 14.701 |
| 10/15/2016 5:45:00 AM | 200700.000 | 25.696 | 16.900 |
| 58.569 | 4176.099 | 4940.444 | 2.674 |
| 3.360 | 239.458 | 1.001 | 14.695 |
| 10/15/2016 6:00:00 AM | 201600.000 | 25.691 | 16.900 |
| 58.558 | 4176.235 | 4940.556 | 2.674 |
| 3.360 | 239.450 | 1.001 | 14.700 |
| 10/15/2016 6:15:00 AM | 202500.000 | 25.680 | 16.900 |
| 58.533 | 4175.766 | 4940.010 | 2.674 |
| 3.359 | 239.477 | 1.001 | 14.708 |
| 10/15/2016 6:30:00 AM | 203400.000 | 25.687 | 16.900 |
| 58.548 | 4175.398 | 4939.586 | 2.674 |
| 3.359 | 239.498 | 1.001 | 14.707 |
| 10/15/2016 6:45:00 AM | 204300.000 | 25.690 | 16.900 |
| 58.554 | 4174.937 | 4939.040 | 2.673 |
| 3.359 | 239.525 | 1.001 | 14.701 |
| 10/15/2016 7:00:00 AM | 205200.000 | 25.689 | 16.901 |
| 58.554 | 4174.661 | 4938.635 | 2.673 |
| 3.358 | 239.540 | 1.001 | 14.705 |
| 10/15/2016 7:15:00 AM | 206100.000 | 25.692 | 16.900 |
| 58.561 | 4174.619 | 4938.644 | 2.673 |
| 3.358 | 239.543 | 1.001 | 14.706 |
| 10/15/2016 7:30:00 AM | 207000.000 | 25.696 | 16.901 |
| 58.570 | 4174.619 | 4938.615 | 2.673 |
| 3.358 | 239.543 | 1.001 | 14.700 |
| 10/15/2016 7:45:00 AM | 207900.000 | 25.683 | 16.901 |
| 58.540 | 4174.067 | 4937.971 | 2.673 |
| 3.358 | 239.575 | 1.001 | 14.702 |
| 10/15/2016 8:00:00 AM | 208800.000 | 25.689 | 16.900 |
| 58.552 | 4174.542 | 4938.553 | 2.673 |
| 3.358 | 239.547 | 1.001 | 14.703 |
| 10/15/2016 8:15:00 AM | 209700.000 | 25.683 | 16.900 |
| 58.540 | 4174.186 | 4938.190 | 2.673 |
| 3.358 | 239.568 | 1.001 | 14.702 |
| 10/15/2016 8:30:00 AM | 210600.000 | 25.694 | 16.900 |
| 58.564 | 4174.600 | 4938.651 | 2.673 |
| 3.358 | 239.544 | 1.001 | 14.698 |
| 10/15/2016 8:45:00 AM | 211500.000 | 25.693 | 16.901 |
| 58.563 | 4174.850 | 4938.878 | 2.673 |
| 3.358 | 239.530 | 1.001 | 14.697 |
| 10/15/2016 9:00:00 AM | 212400.000 | 25.692 | 16.900 |
| 58.560 | 4174.623 | 4938.648 | 2.673 |
| 3.358 | 239.543 | 1.001 | 14.704 |
| 10/15/2016 9:15:00 AM | 213300.000 | 25.686 | 16.900 |
| 58.546 | 4175.002 | 4939.088 | 2.673 |
| 3.359 | 239.521 | 1.001 | 14.704 |
| 10/15/2016 9:30:00 AM | 214200.000 | 25.692 | 16.900 |
| 58.560 | 4174.664 | 4938.697 | 2.673 |
| 3.358 | 239.540 | 1.001 | 14.705 |
| 10/15/2016 9:45:00 AM | 215100.000 | 25.688 | 16.901 |
| 58.551 | 4174.750 | 4938.751 | 2.673 |
| 3.358 | 239.535 | 1.001 | 14.711 |
| 10/15/2016 10:00:00 AM | 216000.000 | 25.687 | 16.901 |

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|---|---|---|---|
| 58.550 | 4174.592 | 4938.554 | 2.673 |
| 3.358 | 239.544 | 1.001 | 14.711 |
| 10/15/2016 10:15:00 AM | 216900.000 | 25.690 | 16.900 |
| 58.555 | 4174.500 | 4938.552 | 2.673 |
| 3.358 | 239.550 | 1.001 | 14.711 |
| 10/15/2016 10:30:00 AM | 217800.000 | 25.689 | 16.901 |
| 58.553 | 4174.093 | 4937.983 | 2.673 |
| 3.358 | 239.573 | 1.001 | 14.712 |
| 10/15/2016 10:45:00 AM | 218700.000 | 25.692 | 16.900 |
| 58.559 | 4174.028 | 4937.936 | 2.673 |
| 3.358 | 239.577 | 1.001 | 14.710 |
| 10/15/2016 11:00:00 AM | 219600.000 | 25.691 | 16.901 |
| 58.558 | 4173.846 | 4937.652 | 2.673 |
| 3.358 | 239.587 | 1.001 | 14.709 |
| 10/15/2016 11:15:00 AM | 220500.000 | 25.687 | 16.901 |
| 58.549 | 4173.782 | 4937.634 | 2.673 |
| 3.358 | 239.591 | 1.001 | 14.710 |
| 10/15/2016 11:30:00 AM | 221400.000 | 25.690 | 16.900 |
| 58.555 | 4173.791 | 4937.655 | 2.673 |
| 3.358 | 239.590 | 1.001 | 14.703 |
| 10/15/2016 11:45:00 AM | 222300.000 | 25.693 | 16.900 |
| 58.562 | 4174.028 | 4937.955 | 2.673 |
| 3.358 | 239.577 | 1.001 | 14.699 |
| 10/15/2016 12:00:00 PM | 223200.000 | 25.692 | 16.901 |
| 58.561 | 4174.711 | 4938.694 | 2.673 |
| 3.358 | 239.538 | 1.001 | 14.698 |
| 10/15/2016 12:15:00 PM | 224100.000 | 25.691 | 16.900 |
| 58.558 | 4174.841 | 4938.946 | 2.673 |
| 3.358 | 239.530 | 1.001 | 14.694 |
| 10/15/2016 12:30:00 PM | 225000.000 | 25.690 | 16.900 |
| 58.556 | 4174.924 | 4939.053 | 2.673 |
| 3.359 | 239.525 | 1.001 | 14.693 |
| 10/15/2016 12:45:00 PM | 225900.000 | 25.688 | 16.900 |
| 58.552 | 4175.418 | 4939.599 | 2.674 |
| 3.359 | 239.497 | 1.001 | 14.693 |
| 10/15/2016 1:00:00 PM | 226800.000 | 25.692 | 16.900 |
| 58.559 | 4176.042 | 4940.375 | 2.674 |
| 3.359 | 239.461 | 1.001 | 14.689 |
| 10/15/2016 1:15:00 PM | 227700.000 | 25.693 | 16.901 |
| 58.563 | 4176.103 | 4940.360 | 2.674 |
| 3.359 | 239.458 | 1.001 | 14.677 |
| 10/15/2016 1:30:00 PM | 228600.000 | 25.691 | 16.900 |
| 58.557 | 4176.483 | 4940.888 | 2.674 |
| 3.360 | 239.436 | 1.001 | 14.677 |
| 10/15/2016 1:45:00 PM | 229500.000 | 25.699 | 16.900 |
| 58.576 | 4176.908 | 4941.439 | 2.675 |
| 3.360 | 239.412 | 1.001 | 14.672 |
| 10/15/2016 2:00:00 PM | 230400.000 | 25.693 | 16.900 |
| 58.563 | 4177.921 | 4942.551 | 2.675 |
| 3.361 | 239.353 | 1.001 | 14.670 |
| 10/15/2016 2:15:00 PM | 231300.000 | 25.696 | 16.900 |
| 58.570 | 4177.662 | 4942.332 | 2.675 |
| 3.361 | 239.368 | 1.001 | 14.667 |
| 10/15/2016 2:30:00 PM | 232200.000 | 25.703 | 16.900 |

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|---|---|---|---|
| 58.586 | 4178.000 | 4942.692 | 2.676 |
| 3.361 | 239.349 | 1.001 | 14.659 |
| 10/15/2016 2:45:00 PM | 233100.000 | 25.708 | 16.900 |
| 58.596 | 4177.938 | 4942.648 | 2.675 |
| 3.361 | 239.353 | 1.001 | 14.651 |
| 10/15/2016 3:00:00 PM | 234000.000 | 25.699 | 16.900 |
| 58.576 | 4178.491 | 4943.273 | 2.676 |
| 3.361 | 239.321 | 1.001 | 14.659 |
| 10/15/2016 3:15:00 PM | 234900.000 | 25.698 | 16.900 |
| 58.573 | 4178.397 | 4943.143 | 2.676 |
| 3.361 | 239.326 | 1.001 | 14.664 |
| 10/15/2016 3:30:00 PM | 235800.000 | 25.693 | 16.900 |
| 58.562 | 4178.751 | 4943.591 | 2.676 |
| 3.362 | 239.306 | 1.001 | 14.663 |
| 10/15/2016 3:45:00 PM | 236700.000 | 25.695 | 16.900 |
| 58.566 | 4178.729 | 4943.574 | 2.676 |
| 3.362 | 239.307 | 1.001 | 14.660 |
| 10/15/2016 4:00:00 PM | 237600.000 | 25.698 | 16.900 |
| 58.573 | 4178.324 | 4943.115 | 2.676 |
| 3.361 | 239.330 | 1.001 | 14.655 |
| 10/15/2016 4:15:00 PM | 238500.000 | 25.697 | 16.900 |
| 58.572 | 4178.014 | 4942.708 | 2.676 |
| 3.361 | 239.348 | 1.001 | 14.659 |
| 10/15/2016 4:30:00 PM | 239400.000 | 25.689 | 16.899 |
| 58.554 | 4178.220 | 4943.012 | 2.676 |
| 3.361 | 239.336 | 1.001 | 14.669 |
| 10/15/2016 4:45:00 PM | 240300.000 | 25.686 | 16.900 |
| 58.546 | 4177.797 | 4942.482 | 2.675 |
| 3.361 | 239.361 | 1.001 | 14.674 |
| 10/15/2016 5:00:00 PM | 241200.000 | 25.690 | 16.900 |
| 58.555 | 4177.740 | 4942.345 | 2.675 |
| 3.361 | 239.364 | 1.001 | 14.667 |
| 10/15/2016 5:15:00 PM | 242100.000 | 25.691 | 16.900 |
| 58.558 | 4177.478 | 4942.017 | 2.675 |
| 3.361 | 239.379 | 1.001 | 14.668 |
| 10/15/2016 5:30:00 PM | 243000.000 | 25.690 | 16.900 |
| 58.555 | 4176.727 | 4941.146 | 2.675 |
| 3.360 | 239.422 | 1.001 | 14.670 |
| 10/15/2016 5:45:00 PM | 243900.000 | 25.694 | 16.900 |
| 58.565 | 4176.645 | 4941.109 | 2.675 |
| 3.360 | 239.427 | 1.001 | 14.668 |
| 10/15/2016 6:00:00 PM | 244800.000 | 25.697 | 16.901 |
| 58.570 | 4176.661 | 4941.011 | 2.675 |
| 3.360 | 239.426 | 1.001 | 14.664 |
| 10/15/2016 6:15:00 PM | 245700.000 | 25.695 | 16.900 |
| 58.566 | 4176.163 | 4940.499 | 2.674 |
| 3.360 | 239.454 | 1.001 | 14.659 |
| 10/15/2016 6:30:00 PM | 246600.000 | 25.693 | 16.900 |
| 58.561 | 4176.048 | 4940.344 | 2.674 |
| 3.359 | 239.461 | 1.001 | 14.660 |
| 10/15/2016 6:45:00 PM | 247500.000 | 25.696 | 16.900 |
| 58.568 | 4175.891 | 4940.139 | 2.674 |
| 3.359 | 239.470 | 1.001 | 14.663 |
| 10/15/2016 7:00:00 PM | 248400.000 | 25.694 | 16.900 |

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|---|---|---|---|
| 58.565 | 4176.586 | 4941.039 | 2.675 |
| 3.360 | 239.430 | 1.001 | 14.662 |
| 10/15/2016 7:15:00 PM | 249300.000 | 25.691 | 16.901 |
| 58.557 | 4176.071 | 4940.342 | 2.674 |
| 3.359 | 239.460 | 1.001 | 14.660 |
| 10/15/2016 7:30:00 PM | 250200.000 | 25.700 | 16.900 |
| 58.579 | 4176.057 | 4940.374 | 2.674 |
| 3.359 | 239.460 | 1.001 | 14.655 |
| 10/15/2016 7:45:00 PM | 251100.000 | 25.695 | 16.900 |
| 58.567 | 4176.146 | 4940.450 | 2.674 |
| 3.360 | 239.455 | 1.001 | 14.662 |
| 10/15/2016 8:00:00 PM | 252000.000 | 25.694 | 16.900 |
| 58.564 | 4176.729 | 4941.140 | 2.675 |
| 3.360 | 239.422 | 1.001 | 14.667 |
| 10/15/2016 8:15:00 PM | 252900.000 | 25.691 | 16.900 |
| 58.558 | 4176.104 | 4940.420 | 2.674 |
| 3.359 | 239.458 | 1.001 | 14.666 |
| 10/15/2016 8:30:00 PM | 253800.000 | 25.690 | 16.900 |
| 58.555 | 4176.005 | 4940.323 | 2.674 |
| 3.359 | 239.463 | 1.001 | 14.670 |
| 10/15/2016 8:45:00 PM | 254700.000 | 25.696 | 16.901 |
| 58.569 | 4176.069 | 4940.330 | 2.674 |
| 3.359 | 239.460 | 1.001 | 14.663 |
| 10/15/2016 9:00:00 PM | 255600.000 | 25.686 | 16.900 |
| 58.545 | 4175.854 | 4940.174 | 2.674 |
| 3.359 | 239.472 | 1.001 | 14.672 |
| 10/15/2016 9:15:00 PM | 256500.000 | 25.692 | 16.900 |
| 58.559 | 4175.988 | 4940.263 | 2.674 |
| 3.359 | 239.464 | 1.001 | 14.670 |
| 10/15/2016 9:30:00 PM | 257400.000 | 25.694 | 16.901 |
| 58.565 | 4175.727 | 4939.906 | 2.674 |
| 3.359 | 239.479 | 1.001 | 14.664 |
| 10/15/2016 9:45:00 PM | 258300.000 | 25.696 | 16.900 |
| 58.570 | 4175.192 | 4939.331 | 2.674 |
| 3.359 | 239.510 | 1.001 | 14.669 |
| 10/15/2016 10:00:00 PM | 259200.000 | 25.689 | 16.900 |
| 58.554 | 4175.044 | 4939.186 | 2.674 |
| 3.359 | 239.518 | 1.001 | 14.679 |
| 10/15/2016 10:15:00 PM | 260100.000 | 25.695 | 16.901 |
| 58.567 | 4174.545 | 4938.499 | 2.673 |
| 3.358 | 239.547 | 1.001 | 14.672 |
| 10/15/2016 10:30:00 PM | 261000.000 | 25.696 | 16.901 |
| 58.570 | 4174.543 | 4938.535 | 2.673 |
| 3.358 | 239.547 | 1.001 | 14.669 |
| 10/15/2016 10:45:00 PM | 261900.000 | 25.690 | 16.900 |
| 58.556 | 4174.275 | 4938.286 | 2.673 |
| 3.358 | 239.563 | 1.001 | 14.672 |
| 10/15/2016 11:00:00 PM | 262800.000 | 25.692 | 16.901 |
| 58.560 | 4173.720 | 4937.542 | 2.673 |
| 3.358 | 239.594 | 1.001 | 14.670 |
| 10/15/2016 11:15:00 PM | 263700.000 | 25.696 | 16.900 |
| 58.569 | 4174.459 | 4938.494 | 2.673 |
| 3.358 | 239.552 | 1.001 | 14.671 |
| 10/15/2016 11:30:00 PM | 264600.000 | 25.696 | 16.901 |

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|---|---|---|---|
| 58.569 | 4175.412 | 4939.513 | 2.674 |
| 3.359 | 239.497 | 1.001 | 14.675 |
| 10/15/2016 11:45:00 PM | 265500.000 | 25.690 | 16.900 |
| 58.555 | 4174.798 | 4938.885 | 2.673 |
| 3.358 | 239.533 | 1.001 | 14.677 |
| 10/16/2016 12:00:00 AM | 266400.000 | 25.690 | 16.901 |
| 58.555 | 4174.230 | 4938.095 | 2.673 |
| 3.358 | 239.565 | 1.001 | 14.678 |
| 10/16/2016 12:15:00 AM | 267300.000 | 25.692 | 16.900 |
| 58.559 | 4173.914 | 4937.819 | 2.673 |
| 3.358 | 239.583 | 1.001 | 14.677 |
| 10/16/2016 12:30:00 AM | 268200.000 | 25.687 | 16.901 |
| 58.549 | 4174.196 | 4938.075 | 2.673 |
| 3.358 | 239.567 | 1.001 | 14.681 |
| 10/16/2016 12:45:00 AM | 269100.000 | 25.685 | 16.901 |
| 58.544 | 4174.051 | 4937.933 | 2.673 |
| 3.358 | 239.575 | 1.001 | 14.684 |
| 10/16/2016 1:00:00 AM | 270000.000 | 25.687 | 16.900 |
| 58.548 | 4174.068 | 4937.983 | 2.673 |
| 3.358 | 239.574 | 1.001 | 14.683 |
| 10/16/2016 1:15:00 AM | 270900.000 | 25.691 | 16.901 |
| 58.558 | 4174.375 | 4938.317 | 2.673 |
| 3.358 | 239.557 | 1.001 | 14.680 |
| 10/16/2016 1:30:00 AM | 271800.000 | 25.689 | 16.901 |
| 58.553 | 4174.162 | 4938.064 | 2.673 |
| 3.358 | 239.569 | 1.001 | 14.682 |
| 10/16/2016 1:45:00 AM | 272700.000 | 25.690 | 16.900 |
| 58.555 | 4174.520 | 4938.518 | 2.673 |
| 3.358 | 239.548 | 1.001 | 14.682 |
| 10/16/2016 2:00:00 AM | 273600.000 | 25.690 | 16.900 |
| 58.555 | 4174.344 | 4938.328 | 2.673 |
| 3.358 | 239.559 | 1.001 | 14.686 |
| 10/16/2016 2:15:00 AM | 274500.000 | 25.690 | 16.900 |
| 58.556 | 4174.327 | 4938.366 | 2.673 |
| 3.358 | 239.560 | 1.001 | 14.684 |
| 10/16/2016 2:30:00 AM | 275400.000 | 25.691 | 16.901 |
| 58.558 | 4174.054 | 4937.898 | 2.673 |
| 3.358 | 239.575 | 1.001 | 14.682 |
| 10/16/2016 2:45:00 AM | 276300.000 | 25.687 | 16.901 |
| 58.549 | 4174.459 | 4938.426 | 2.673 |
| 3.358 | 239.552 | 1.001 | 14.684 |
| 10/16/2016 3:00:00 AM | 277200.000 | 25.694 | 16.900 |
| 58.564 | 4174.235 | 4938.229 | 2.673 |
| 3.358 | 239.565 | 1.001 | 14.678 |
| 10/16/2016 3:15:00 AM | 278100.000 | 25.693 | 16.900 |
| 58.563 | 4174.683 | 4938.719 | 2.673 |
| 3.358 | 239.539 | 1.001 | 14.681 |
| 10/16/2016 3:30:00 AM | 279000.000 | 25.697 | 16.900 |
| 58.571 | 4175.293 | 4939.441 | 2.674 |
| 3.359 | 239.504 | 1.001 | 14.673 |
| 10/16/2016 3:45:00 AM | 279900.000 | 25.697 | 16.901 |
| 58.572 | 4174.977 | 4939.008 | 2.673 |
| 3.359 | 239.522 | 1.001 | 14.673 |
| 10/16/2016 4:00:00 AM | 280800.000 | 25.699 | 16.900 |

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|---|---|---|---|
| 58.575 | 4175.096 | 4939.238 | 2.674 |
| 3.359 | 239.515 | 1.001 | 14.674 |
| 10/16/2016 4:15:00 AM | 281700.000 | 25.695 | 16.900 |
| 58.566 | 4176.025 | 4940.356 | 2.674 |
| 3.359 | 239.462 | 1.001 | 14.674 |
| 10/16/2016 4:30:00 AM | 282600.000 | 25.699 | 16.900 |
| 58.575 | 4175.988 | 4940.263 | 2.674 |
| 3.359 | 239.464 | 1.001 | 14.668 |
| 10/16/2016 4:45:00 AM | 283500.000 | 25.695 | 16.900 |
| 58.566 | 4176.688 | 4941.120 | 2.675 |
| 3.360 | 239.424 | 1.001 | 14.672 |
| 10/16/2016 5:00:00 AM | 284400.000 | 25.700 | 16.900 |
| 58.579 | 4177.304 | 4941.811 | 2.675 |
| 3.360 | 239.389 | 1.001 | 14.672 |
| 10/16/2016 5:15:00 AM | 285300.000 | 25.698 | 16.901 |
| 58.575 | 4176.618 | 4940.950 | 2.675 |
| 3.360 | 239.428 | 1.001 | 14.673 |
| 10/16/2016 5:30:00 AM | 286200.000 | 25.701 | 16.900 |
| 58.580 | 4177.027 | 4941.484 | 2.675 |
| 3.360 | 239.405 | 1.001 | 14.669 |
| 10/16/2016 5:45:00 AM | 287100.000 | 25.692 | 16.900 |
| 58.560 | 4176.852 | 4941.276 | 2.675 |
| 3.360 | 239.415 | 1.001 | 14.677 |
| 10/16/2016 6:00:00 AM | 288000.000 | 25.699 | 16.900 |
| 58.576 | 4177.101 | 4941.619 | 2.675 |
| 3.360 | 239.401 | 1.001 | 14.669 |
| 10/16/2016 6:15:00 AM | 288900.000 | 25.701 | 16.900 |
| 58.581 | 4177.038 | 4941.584 | 2.675 |
| 3.360 | 239.404 | 1.001 | 14.668 |
| 10/16/2016 6:30:00 AM | 289800.000 | 25.703 | 16.900 |
| 58.585 | 4177.226 | 4941.787 | 2.675 |
| 3.360 | 239.393 | 1.001 | 14.668 |
| 10/16/2016 6:45:00 AM | 290700.000 | 25.692 | 16.900 |
| 58.561 | 4177.519 | 4942.123 | 2.675 |
| 3.361 | 239.377 | 1.001 | 14.675 |
| 10/16/2016 7:00:00 AM | 291600.000 | 25.697 | 16.900 |
| 58.571 | 4177.391 | 4941.914 | 2.675 |
| 3.361 | 239.384 | 1.001 | 14.667 |
| 10/16/2016 7:15:00 AM | 292500.000 | 25.703 | 16.900 |
| 58.584 | 4176.771 | 4941.258 | 2.675 |
| 3.360 | 239.419 | 1.001 | 14.671 |
| 10/16/2016 7:30:00 AM | 293400.000 | 25.696 | 16.900 |
| 58.568 | 4176.652 | 4941.128 | 2.675 |
| 3.360 | 239.426 | 1.001 | 14.669 |
| 10/16/2016 7:45:00 AM | 294300.000 | 25.700 | 16.901 |
| 58.578 | 4177.223 | 4941.705 | 2.675 |
| 3.360 | 239.394 | 1.001 | 14.666 |
| 10/16/2016 8:00:00 AM | 295200.000 | 25.704 | 16.900 |
| 58.588 | 4177.080 | 4941.575 | 2.675 |
| 3.360 | 239.402 | 1.001 | 14.662 |
| 10/16/2016 8:15:00 AM | 296100.000 | 25.701 | 16.900 |
| 58.580 | 4177.050 | 4941.599 | 2.675 |
| 3.360 | 239.403 | 1.001 | 14.661 |
| 10/16/2016 8:30:00 AM | 297000.000 | 25.697 | 16.900 |

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|---|---|---|---|
| 58.571 | 4177.278 | 4941.799 | 2.675 |
| 3.360 | 239.390 | 1.001 | 14.667 |
| 10/16/2016 8:45:00 AM | 297900.000 | 25.704 | 16.900 |
| 58.588 | 4177.610 | 4942.271 | 2.675 |
| 3.361 | 239.371 | 1.001 | 14.668 |
| 10/16/2016 9:00:00 AM | 298800.000 | 25.703 | 16.900 |
| 58.585 | 4178.230 | 4942.964 | 2.676 |
| 3.361 | 239.336 | 1.001 | 14.662 |
| 10/16/2016 9:15:00 AM | 299700.000 | 25.709 | 16.900 |
| 58.600 | 4178.006 | 4942.710 | 2.676 |
| 3.361 | 239.349 | 1.001 | 14.661 |
| 10/16/2016 9:30:00 AM | 300600.000 | 25.704 | 16.900 |
| 58.586 | 4177.506 | 4942.089 | 2.675 |
| 3.361 | 239.377 | 1.001 | 14.664 |
| 10/16/2016 9:45:00 AM | 301500.000 | 25.704 | 16.900 |
| 58.588 | 4177.606 | 4942.197 | 2.675 |
| 3.361 | 239.372 | 1.001 | 14.663 |
| 10/16/2016 10:00:00 AM | 302400.000 | 25.704 | 16.900 |
| 58.587 | 4177.486 | 4942.104 | 2.675 |
| 3.361 | 239.378 | 1.001 | 14.664 |
| 10/16/2016 10:15:00 AM | 303300.000 | 25.703 | 16.900 |
| 58.586 | 4177.403 | 4942.005 | 2.675 |
| 3.361 | 239.383 | 1.001 | 14.665 |
| 10/16/2016 10:30:00 AM | 304200.000 | 25.707 | 16.900 |
| 58.593 | 4177.553 | 4942.134 | 2.675 |
| 3.361 | 239.375 | 1.001 | 14.660 |
| 10/16/2016 10:45:00 AM | 305100.000 | 25.705 | 16.900 |
| 58.590 | 4177.511 | 4942.133 | 2.675 |
| 3.361 | 239.377 | 1.001 | 14.659 |
| 10/16/2016 11:00:00 AM | 306000.000 | 25.708 | 16.899 |
| 58.596 | 4177.681 | 4942.364 | 2.675 |
| 3.361 | 239.367 | 1.001 | 14.660 |
| 10/16/2016 11:15:00 AM | 306900.000 | 25.711 | 16.900 |
| 58.602 | 4177.820 | 4942.519 | 2.675 |
| 3.361 | 239.359 | 1.001 | 14.658 |
| 10/16/2016 11:30:00 AM | 307800.000 | 25.703 | 16.900 |
| 58.584 | 4177.914 | 4942.582 | 2.675 |
| 3.361 | 239.354 | 1.001 | 14.658 |
| 10/16/2016 11:45:00 AM | 308700.000 | 25.700 | 16.900 |
| 58.578 | 4177.757 | 4942.415 | 2.675 |
| 3.361 | 239.363 | 1.001 | 14.659 |
| 10/16/2016 12:00:00 PM | 309600.000 | 25.710 | 16.900 |
| 58.601 | 4178.497 | 4943.271 | 2.676 |
| 3.361 | 239.321 | 1.001 | 14.652 |
| 10/16/2016 12:15:00 PM | 310500.000 | 25.709 | 16.900 |
| 58.600 | 4177.623 | 4942.247 | 2.675 |
| 3.361 | 239.371 | 1.001 | 14.647 |
| 10/16/2016 12:30:00 PM | 311400.000 | 25.710 | 16.900 |
| 58.601 | 4178.164 | 4942.896 | 2.676 |
| 3.361 | 239.340 | 1.001 | 14.652 |
| 10/16/2016 12:45:00 PM | 312300.000 | 25.708 | 16.899 |
| 58.597 | 4178.522 | 4943.379 | 2.676 |
| 3.361 | 239.319 | 1.001 | 14.653 |
| 10/16/2016 1:00:00 PM | 313200.000 | 25.707 | 16.900 |

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|---|---|---|---|
| 58.593 | 4178.823 | 4943.627 | 2.676 |
| 3.362 | 239.302 | 1.001 | 14.652 |
| 10/16/2016 1:15:00 PM | 314100.000 | 25.715 | 16.900 |
| 58.611 | 4178.838 | 4943.714 | 2.676 |
| 3.362 | 239.301 | 1.001 | 14.645 |
| 10/16/2016 1:30:00 PM | 315000.000 | 25.704 | 16.900 |
| 58.587 | 4178.826 | 4943.650 | 2.676 |
| 3.362 | 239.302 | 1.001 | 14.654 |
| 10/16/2016 1:45:00 PM | 315900.000 | 25.712 | 16.900 |
| 58.605 | 4178.677 | 4943.513 | 2.676 |
| 3.362 | 239.310 | 1.001 | 14.641 |
| 10/16/2016 2:00:00 PM | 316800.000 | 25.713 | 16.900 |
| 58.608 | 4179.116 | 4944.012 | 2.676 |
| 3.362 | 239.285 | 1.001 | 14.636 |
| 10/16/2016 2:15:00 PM | 317700.000 | 25.719 | 16.899 |
| 58.621 | 4178.855 | 4943.783 | 2.676 |
| 3.362 | 239.300 | 1.001 | 14.632 |
| 10/16/2016 2:30:00 PM | 318600.000 | 25.717 | 16.899 |
| 58.617 | 4179.179 | 4944.147 | 2.676 |
| 3.362 | 239.281 | 1.001 | 14.630 |
| 10/16/2016 2:45:00 PM | 319500.000 | 25.710 | 16.899 |
| 58.602 | 4179.374 | 4944.386 | 2.676 |
| 3.362 | 239.270 | 1.001 | 14.636 |
| 10/16/2016 3:00:00 PM | 320400.000 | 25.713 | 16.900 |
| 58.607 | 4180.121 | 4945.240 | 2.677 |
| 3.363 | 239.228 | 1.001 | 14.631 |
| 10/16/2016 3:15:00 PM | 321300.000 | 25.709 | 16.899 |
| 58.599 | 4179.887 | 4945.051 | 2.677 |
| 3.363 | 239.241 | 1.001 | 14.638 |
| 10/16/2016 3:30:00 PM | 322200.000 | 25.712 | 16.899 |
| 58.605 | 4180.545 | 4945.782 | 2.677 |
| 3.363 | 239.203 | 1.001 | 14.633 |
| 10/16/2016 3:45:00 PM | 323100.000 | 25.713 | 16.899 |
| 58.607 | 4180.684 | 4945.917 | 2.677 |
| 3.363 | 239.195 | 1.001 | 14.635 |
| 10/16/2016 4:00:00 PM | 324000.000 | 25.719 | 16.899 |
| 58.622 | 4180.174 | 4945.363 | 2.677 |
| 3.363 | 239.225 | 1.001 | 14.631 |
| 10/16/2016 4:15:00 PM | 324900.000 | 25.714 | 16.899 |
| 58.609 | 4179.765 | 4944.899 | 2.677 |
| 3.363 | 239.248 | 1.001 | 14.635 |
| 10/16/2016 4:30:00 PM | 325800.000 | 25.708 | 16.899 |
| 58.597 | 4179.904 | 4944.995 | 2.677 |
| 3.363 | 239.240 | 1.001 | 14.639 |
| 10/16/2016 4:45:00 PM | 326700.000 | 25.709 | 16.900 |
| 58.598 | 4179.939 | 4945.016 | 2.677 |
| 3.363 | 239.238 | 1.001 | 14.639 |
| 10/16/2016 5:00:00 PM | 327600.000 | 25.712 | 16.900 |
| 58.606 | 4179.511 | 4944.490 | 2.677 |
| 3.362 | 239.262 | 1.001 | 14.639 |
| 10/16/2016 5:15:00 PM | 328500.000 | 25.712 | 16.900 |
| 58.606 | 4179.710 | 4944.735 | 2.677 |
| 3.362 | 239.251 | 1.001 | 14.644 |
| 10/16/2016 5:30:00 PM | 329400.000 | 25.706 | 16.900 |

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|---|---|---|---|
| 58.592 | 4179.648 | 4944.623 | 2.677 |
| 3.362 | 239.255 | 1.001 | 14.652 |
| 10/16/2016 5:45:00 PM | 330300.000 | 25.706 | 16.899 |
| 58.592 | 4179.404 | 4944.403 | 2.677 |
| 3.362 | 239.269 | 1.001 | 14.652 |
| 10/16/2016 6:00:00 PM | 331200.000 | 25.714 | 16.899 |
| 58.610 | 4179.120 | 4944.105 | 2.676 |
| 3.362 | 239.285 | 1.001 | 14.649 |
| 10/16/2016 6:15:00 PM | 332100.000 | 25.712 | 16.900 |
| 58.606 | 4179.249 | 4944.170 | 2.676 |
| 3.362 | 239.277 | 1.001 | 14.653 |
| 10/16/2016 6:30:00 PM | 333000.000 | 25.709 | 16.900 |
| 58.598 | 4178.840 | 4943.677 | 2.676 |
| 3.362 | 239.301 | 1.001 | 14.652 |
| 10/16/2016 6:45:00 PM | 333900.000 | 25.709 | 16.900 |
| 58.598 | 4178.087 | 4942.806 | 2.676 |
| 3.361 | 239.344 | 1.001 | 14.654 |
| 10/16/2016 7:00:00 PM | 334800.000 | 25.707 | 16.899 |
| 58.594 | 4178.217 | 4943.038 | 2.676 |
| 3.361 | 239.337 | 1.001 | 14.657 |
| 10/16/2016 7:15:00 PM | 335700.000 | 25.715 | 16.900 |
| 58.612 | 4178.145 | 4942.874 | 2.676 |
| 3.361 | 239.341 | 1.001 | 14.651 |
| 10/16/2016 7:30:00 PM | 336600.000 | 25.711 | 16.900 |
| 58.602 | 4177.962 | 4942.628 | 2.675 |
| 3.361 | 239.351 | 1.001 | 14.656 |
| 10/16/2016 7:45:00 PM | 337500.000 | 25.701 | 16.899 |
| 58.582 | 4178.370 | 4943.209 | 2.676 |
| 3.361 | 239.328 | 1.001 | 14.665 |
| 10/16/2016 8:00:00 PM | 338400.000 | 25.714 | 16.900 |
| 58.610 | 4178.343 | 4943.128 | 2.676 |
| 3.361 | 239.329 | 1.001 | 14.652 |
| 10/16/2016 8:15:00 PM | 339300.000 | 25.717 | 16.899 |
| 58.616 | 4178.250 | 4943.047 | 2.676 |
| 3.361 | 239.335 | 1.001 | 14.650 |
| 10/16/2016 8:30:00 PM | 340200.000 | 25.708 | 16.900 |
| 58.596 | 4178.417 | 4943.205 | 2.676 |
| 3.361 | 239.325 | 1.001 | 14.661 |
| 10/16/2016 8:45:00 PM | 341100.000 | 25.710 | 16.900 |
| 58.600 | 4178.286 | 4943.061 | 2.676 |
| 3.361 | 239.333 | 1.001 | 14.659 |
| 10/16/2016 9:00:00 PM | 342000.000 | 25.713 | 16.899 |
| 58.607 | 4178.388 | 4943.230 | 2.676 |
| 3.361 | 239.327 | 1.001 | 14.661 |
| 10/16/2016 9:15:00 PM | 342900.000 | 25.714 | 16.900 |
| 58.610 | 4178.328 | 4943.080 | 2.676 |
| 3.361 | 239.330 | 1.001 | 14.658 |
| 10/16/2016 9:30:00 PM | 343800.000 | 25.711 | 16.899 |
| 58.602 | 4178.171 | 4942.974 | 2.676 |
| 3.361 | 239.339 | 1.001 | 14.662 |
| 10/16/2016 9:45:00 PM | 344700.000 | 25.709 | 16.900 |
| 58.599 | 4178.253 | 4942.982 | 2.676 |
| 3.361 | 239.334 | 1.001 | 14.667 |
| 10/16/2016 10:00:00 PM | 345600.000 | 25.705 | 16.899 |

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|---|---|---|---|
| 58.590 | 4178.688 | 4943.566 | 2.676 |
| 3.362 | 239.310 | 1.001 | 14.672 |
| 10/16/2016 10:15:00 PM | 346500.000 | 25.705 | 16.900 |
| 58.590 | 4178.251 | 4943.020 | 2.676 |
| 3.361 | 239.335 | 1.001 | 14.672 |
| 10/16/2016 10:30:00 PM | 347400.000 | 25.714 | 16.900 |
| 58.611 | 4178.295 | 4943.013 | 2.676 |
| 3.361 | 239.332 | 1.001 | 14.664 |
| 10/16/2016 10:45:00 PM | 348300.000 | 25.709 | 16.900 |
| 58.598 | 4178.388 | 4943.181 | 2.676 |
| 3.361 | 239.327 | 1.001 | 14.674 |
| 10/16/2016 11:00:00 PM | 349200.000 | 25.713 | 16.899 |
| 58.607 | 4178.177 | 4942.951 | 2.676 |
| 3.361 | 239.339 | 1.001 | 14.677 |
| 10/16/2016 11:15:00 PM | 350100.000 | 25.707 | 16.900 |
| 58.594 | 4177.638 | 4942.274 | 2.675 |
| 3.361 | 239.370 | 1.001 | 14.677 |
| 10/16/2016 11:30:00 PM | 351000.000 | 25.702 | 16.900 |
| 58.583 | 4177.745 | 4942.391 | 2.675 |
| 3.361 | 239.364 | 1.001 | 14.682 |
| 10/16/2016 11:45:00 PM | 351900.000 | 25.709 | 16.899 |
| 58.598 | 4177.026 | 4941.589 | 2.675 |
| 3.360 | 239.405 | 1.001 | 14.678 |
| 10/17/2016 12:00:00 AM | 352800.000 | 25.709 | 16.900 |
| 58.599 | 4177.249 | 4941.784 | 2.675 |
| 3.360 | 239.392 | 1.001 | 14.680 |
| 10/17/2016 12:15:00 AM | 353700.000 | 25.714 | 16.900 |
| 58.611 | 4177.704 | 4942.373 | 2.675 |
| 3.361 | 239.366 | 1.001 | 14.676 |
| 10/17/2016 12:30:00 AM | 354600.000 | 25.707 | 16.900 |
| 58.594 | 4178.089 | 4942.837 | 2.676 |
| 3.361 | 239.344 | 1.001 | 14.687 |
| 10/17/2016 12:45:00 AM | 355500.000 | 25.710 | 16.900 |
| 58.602 | 4178.121 | 4942.855 | 2.676 |
| 3.361 | 239.342 | 1.001 | 14.689 |
| 10/17/2016 1:00:00 AM | 356400.000 | 25.703 | 16.900 |
| 58.585 | 4178.032 | 4942.750 | 2.676 |
| 3.361 | 239.347 | 1.001 | 14.700 |
| 10/17/2016 1:15:00 AM | 357300.000 | 25.704 | 16.900 |
| 58.587 | 4177.758 | 4942.426 | 2.675 |
| 3.361 | 239.363 | 1.001 | 14.699 |
| 10/17/2016 1:30:00 AM | 358200.000 | 25.703 | 16.900 |
| 58.585 | 4177.034 | 4941.510 | 2.675 |
| 3.360 | 239.404 | 1.001 | 14.701 |
| 10/17/2016 1:45:00 AM | 359100.000 | 25.703 | 16.899 |
| 58.586 | 4176.804 | 4941.337 | 2.675 |
| 3.360 | 239.418 | 1.001 | 14.700 |
| 10/17/2016 2:00:00 AM | 360000.000 | 25.703 | 16.901 |
| 58.586 | 4176.837 | 4941.248 | 2.675 |
| 3.360 | 239.416 | 1.001 | 14.707 |
| 10/17/2016 2:15:00 AM | 360900.000 | 25.704 | 16.900 |
| 58.588 | 4176.877 | 4941.344 | 2.675 |
| 3.360 | 239.413 | 1.001 | 14.703 |
| 10/17/2016 2:30:00 AM | 361800.000 | 25.703 | 16.900 |

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|---|---|---|---|
| 58.584 | 4176.757 | 4941.232 | 2.675 |
| 3.360 | 239.420 | 1.001 | 14.709 |
| 10/17/2016 2:45:00 AM | 362700.000 | 25.706 | 16.900 |
| 58.592 | 4176.994 | 4941.482 | 2.675 |
| 3.360 | 239.407 | 1.001 | 14.707 |
| 10/17/2016 3:00:00 AM | 363600.000 | 25.705 | 16.900 |
| 58.590 | 4177.479 | 4942.037 | 2.675 |
| 3.361 | 239.379 | 1.001 | 14.709 |
| 10/17/2016 3:15:00 AM | 364500.000 | 25.709 | 16.901 |
| 58.598 | 4177.472 | 4941.990 | 2.675 |
| 3.361 | 239.379 | 1.001 | 14.705 |
| 10/17/2016 3:30:00 AM | 365400.000 | 25.705 | 16.900 |
| 58.590 | 4177.286 | 4941.838 | 2.675 |
| 3.360 | 239.390 | 1.001 | 14.710 |
| 10/17/2016 3:45:00 AM | 366300.000 | 25.708 | 16.900 |
| 58.597 | 4177.431 | 4942.030 | 2.675 |
| 3.361 | 239.382 | 1.001 | 14.709 |
| 10/17/2016 4:00:00 AM | 367200.000 | 25.709 | 16.900 |
| 58.599 | 4177.815 | 4942.434 | 2.675 |
| 3.361 | 239.360 | 1.001 | 14.709 |
| 10/17/2016 4:15:00 AM | 368100.000 | 25.705 | 16.900 |
| 58.589 | 4178.136 | 4942.796 | 2.676 |
| 3.361 | 239.341 | 1.001 | 14.714 |
| 10/17/2016 4:30:00 AM | 369000.000 | 25.705 | 16.900 |
| 58.590 | 4178.229 | 4942.944 | 2.676 |
| 3.361 | 239.336 | 1.001 | 14.713 |
| 10/17/2016 4:45:00 AM | 369900.000 | 25.714 | 16.900 |
| 58.611 | 4177.882 | 4942.553 | 2.675 |
| 3.361 | 239.356 | 1.001 | 14.708 |
| 10/17/2016 5:00:00 AM | 370800.000 | 25.698 | 16.900 |
| 58.575 | 4177.742 | 4942.367 | 2.675 |
| 3.361 | 239.364 | 1.001 | 14.721 |
| 10/17/2016 5:15:00 AM | 371700.000 | 25.709 | 16.900 |
| 58.598 | 4178.214 | 4942.926 | 2.676 |
| 3.361 | 239.337 | 1.001 | 14.716 |
| 10/17/2016 5:30:00 AM | 372600.000 | 25.700 | 16.900 |
| 58.578 | 4177.926 | 4942.557 | 2.675 |
| 3.361 | 239.353 | 1.001 | 14.724 |
| 10/17/2016 5:45:00 AM | 373500.000 | 25.700 | 16.901 |
| 58.578 | 4177.875 | 4942.457 | 2.675 |
| 3.361 | 239.356 | 1.001 | 14.729 |
| 10/17/2016 6:00:00 AM | 374400.000 | 25.707 | 16.900 |
| 58.595 | 4177.985 | 4942.626 | 2.675 |
| 3.361 | 239.350 | 1.001 | 14.726 |
| 10/17/2016 6:15:00 AM | 375300.000 | 25.704 | 16.900 |
| 58.588 | 4177.604 | 4942.224 | 2.675 |
| 3.361 | 239.372 | 1.001 | 14.728 |
| 10/17/2016 6:30:00 AM | 376200.000 | 25.709 | 16.900 |
| 58.599 | 4177.415 | 4941.972 | 2.675 |
| 3.361 | 239.382 | 1.001 | 14.729 |
| 10/17/2016 6:45:00 AM | 377100.000 | 25.702 | 16.900 |
| 58.583 | 4177.453 | 4942.084 | 2.675 |
| 3.361 | 239.380 | 1.001 | 14.737 |
| 10/17/2016 7:00:00 AM | 378000.000 | 25.711 | 16.900 |

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|---|---|---|---|
| 58.602 | 4177.399 | 4941.953 | 2.675 |
| 3.361 | 239.383 | 1.001 | 14.731 |
| 10/17/2016 7:15:00 AM | 378900.000 | 25.699 | 16.901 |
| 58.576 | 4177.319 | 4941.818 | 2.675 |
| 3.360 | 239.388 | 1.001 | 14.740 |
| 10/17/2016 7:30:00 AM | 379800.000 | 25.708 | 16.900 |
| 58.597 | 4177.034 | 4941.579 | 2.675 |
| 3.360 | 239.404 | 1.001 | 14.736 |
| 10/17/2016 7:45:00 AM | 380700.000 | 25.704 | 16.900 |
| 58.588 | 4177.080 | 4941.575 | 2.675 |
| 3.360 | 239.402 | 1.001 | 14.740 |
| 10/17/2016 8:00:00 AM | 381600.000 | 25.703 | 16.900 |
| 58.585 | 4177.295 | 4941.869 | 2.675 |
| 3.360 | 239.389 | 1.001 | 14.745 |
| 10/17/2016 8:15:00 AM | 382500.000 | 25.702 | 16.900 |
| 58.583 | 4177.319 | 4941.829 | 2.675 |
| 3.360 | 239.388 | 1.001 | 14.748 |
| 10/17/2016 8:30:00 AM | 383400.000 | 25.705 | 16.900 |
| 58.589 | 4177.315 | 4941.912 | 2.675 |
| 3.361 | 239.388 | 1.001 | 14.750 |
| 10/17/2016 8:45:00 AM | 384300.000 | 25.701 | 16.900 |
| 58.581 | 4176.654 | 4941.081 | 2.675 |
| 3.360 | 239.426 | 1.001 | 14.755 |
| 10/17/2016 9:00:00 AM | 385200.000 | 25.699 | 16.900 |
| 58.577 | 4176.684 | 4941.087 | 2.675 |
| 3.360 | 239.424 | 1.001 | 14.757 |
| 10/17/2016 9:15:00 AM | 386100.000 | 25.697 | 16.900 |
| 58.570 | 4177.179 | 4941.711 | 2.675 |
| 3.360 | 239.396 | 1.001 | 14.759 |
| 10/17/2016 9:30:00 AM | 387000.000 | 25.709 | 16.900 |
| 58.598 | 4177.471 | 4942.027 | 2.675 |
| 3.361 | 239.379 | 1.001 | 14.755 |
| 10/17/2016 9:45:00 AM | 387900.000 | 25.699 | 16.900 |
| 58.575 | 4177.258 | 4941.845 | 2.675 |
| 3.360 | 239.391 | 1.001 | 14.759 |
| 10/17/2016 10:00:00 AM | 388800.000 | 25.700 | 16.901 |
| 58.578 | 4177.255 | 4941.743 | 2.675 |
| 3.360 | 239.392 | 1.001 | 14.758 |
| 10/17/2016 10:15:00 AM | 389700.000 | 25.706 | 16.900 |
| 58.591 | 4176.979 | 4941.464 | 2.675 |
| 3.360 | 239.408 | 1.001 | 14.760 |
| 10/17/2016 10:30:00 AM | 390600.000 | 25.705 | 16.900 |
| 58.589 | 4177.464 | 4942.039 | 2.675 |
| 3.361 | 239.380 | 1.001 | 14.761 |
| 10/17/2016 10:45:00 AM | 391500.000 | 25.701 | 16.900 |
| 58.580 | 4177.468 | 4942.043 | 2.675 |
| 3.361 | 239.379 | 1.001 | 14.766 |
| 10/17/2016 11:00:00 AM | 392400.000 | 25.705 | 16.900 |
| 58.590 | 4177.835 | 4942.458 | 2.675 |
| 3.361 | 239.358 | 1.001 | 14.757 |
| 10/17/2016 11:15:00 AM | 393300.000 | 25.703 | 16.901 |
| 58.586 | 4177.952 | 4942.558 | 2.675 |
| 3.361 | 239.352 | 1.001 | 14.766 |
| 10/17/2016 11:30:00 AM | 394200.000 | 25.700 | 16.900 |

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|---|---|---|---|
| 58.578 | 4177.695 | 4942.273 | 2.675 |
| 3.361 | 239.366 | 1.001 | 14.767 |
| 10/17/2016 11:45:00 AM | 395100.000 | 25.709 | 16.900 |
| 58.598 | 4177.697 | 4942.334 | 2.675 |
| 3.361 | 239.366 | 1.001 | 14.757 |
| 10/17/2016 12:00:00 PM | 396000.000 | 25.700 | 16.900 |
| 58.579 | 4178.002 | 4942.686 | 2.676 |
| 3.361 | 239.349 | 1.001 | 14.766 |
| 10/17/2016 12:15:00 PM | 396900.000 | 25.707 | 16.900 |
| 58.595 | 4178.399 | 4943.174 | 2.676 |
| 3.361 | 239.326 | 1.001 | 14.760 |
| 10/17/2016 12:30:00 PM | 397800.000 | 25.708 | 16.900 |
| 58.597 | 4178.386 | 4943.159 | 2.676 |
| 3.361 | 239.327 | 1.001 | 14.761 |
| 10/17/2016 12:45:00 PM | 398700.000 | 25.699 | 16.901 |
| 58.577 | 4178.785 | 4943.553 | 2.676 |
| 3.362 | 239.304 | 1.001 | 14.765 |
| 10/17/2016 1:00:00 PM | 399600.000 | 25.702 | 16.900 |
| 58.584 | 4178.978 | 4943.859 | 2.676 |
| 3.362 | 239.293 | 1.001 | 14.761 |
| 10/17/2016 1:15:00 PM | 400500.000 | 25.705 | 16.900 |
| 58.589 | 4178.608 | 4943.403 | 2.676 |
| 3.362 | 239.314 | 1.001 | 14.760 |
| 10/17/2016 1:30:00 PM | 401400.000 | 25.712 | 16.900 |
| 58.606 | 4179.310 | 4944.242 | 2.676 |
| 3.362 | 239.274 | 1.001 | 14.755 |
| 10/17/2016 1:45:00 PM | 402300.000 | 25.711 | 16.900 |
| 58.602 | 4179.390 | 4944.308 | 2.676 |
| 3.362 | 239.269 | 1.001 | 14.753 |
| 10/17/2016 2:00:00 PM | 403200.000 | 25.708 | 16.900 |
| 58.597 | 4180.087 | 4945.122 | 2.677 |
| 3.363 | 239.229 | 1.001 | 14.751 |
| 10/17/2016 2:15:00 PM | 404100.000 | 25.703 | 16.900 |
| 58.586 | 4180.176 | 4945.287 | 2.677 |
| 3.363 | 239.224 | 1.001 | 14.756 |
| 10/17/2016 2:30:00 PM | 405000.000 | 25.705 | 16.900 |
| 58.590 | 4179.987 | 4945.004 | 2.677 |
| 3.363 | 239.235 | 1.001 | 14.755 |
| 10/17/2016 2:45:00 PM | 405900.000 | 25.705 | 16.900 |
| 58.590 | 4180.122 | 4945.223 | 2.677 |
| 3.363 | 239.227 | 1.001 | 14.756 |
| 10/17/2016 3:00:00 PM | 406800.000 | 25.711 | 16.900 |
| 58.603 | 4180.887 | 4946.146 | 2.678 |
| 3.363 | 239.184 | 1.001 | 14.748 |
| 10/17/2016 3:15:00 PM | 407700.000 | 25.706 | 16.900 |
| 58.592 | 4180.902 | 4946.165 | 2.678 |
| 3.363 | 239.183 | 1.001 | 14.750 |
| 10/17/2016 3:30:00 PM | 408600.000 | 25.712 | 16.900 |
| 58.606 | 4181.021 | 4946.296 | 2.678 |
| 3.363 | 239.176 | 1.001 | 14.744 |
| 10/17/2016 3:45:00 PM | 409500.000 | 25.704 | 16.900 |
| 58.587 | 4181.438 | 4946.799 | 2.678 |
| 3.364 | 239.152 | 1.001 | 14.754 |
| 10/17/2016 4:00:00 PM | 410400.000 | 25.712 | 16.900 |

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|---|---|---|---|
| 58.606 | 4181.792 | 4947.150 | 2.678 |
| 3.364 | 239.132 | 1.001 | 14.747 |
| 10/17/2016 4:15:00 PM | 411300.000 | 25.704 | 16.900 |
| 58.586 | 4181.737 | 4947.104 | 2.678 |
| 3.364 | 239.135 | 1.001 | 14.755 |
| 10/17/2016 4:30:00 PM | 412200.000 | 25.715 | 16.900 |
| 58.612 | 4181.914 | 4947.313 | 2.678 |
| 3.364 | 239.125 | 1.001 | 14.747 |
| 10/17/2016 4:45:00 PM | 413100.000 | 25.711 | 16.900 |
| 58.604 | 4181.281 | 4946.545 | 2.678 |
| 3.364 | 239.161 | 1.001 | 14.747 |
| 10/17/2016 5:00:00 PM | 414000.000 | 25.710 | 16.900 |
| 58.600 | 4181.316 | 4946.606 | 2.678 |
| 3.364 | 239.159 | 1.001 | 14.746 |
| 10/17/2016 5:15:00 PM | 414900.000 | 25.710 | 16.899 |
| 58.601 | 4181.862 | 4947.311 | 2.678 |
| 3.364 | 239.128 | 1.001 | 14.747 |
| 10/17/2016 5:30:00 PM | 415800.000 | 25.711 | 16.900 |
| 58.602 | 4181.612 | 4946.996 | 2.678 |
| 3.364 | 239.142 | 1.001 | 14.742 |
| 10/17/2016 5:45:00 PM | 416700.000 | 25.716 | 16.900 |
| 58.614 | 4182.045 | 4947.469 | 2.678 |
| 3.364 | 239.117 | 1.001 | 14.744 |
| 10/17/2016 6:00:00 PM | 417600.000 | 25.714 | 16.900 |
| 58.609 | 4182.098 | 4947.550 | 2.678 |
| 3.364 | 239.114 | 1.001 | 14.743 |
| 10/17/2016 6:15:00 PM | 418500.000 | 25.711 | 16.900 |
| 58.603 | 4181.448 | 4946.791 | 2.678 |
| 3.364 | 239.152 | 1.001 | 14.746 |
| 10/17/2016 6:30:00 PM | 419400.000 | 25.713 | 16.900 |
| 58.607 | 4182.346 | 4947.864 | 2.678 |
| 3.365 | 239.100 | 1.001 | 14.742 |
| 10/17/2016 6:45:00 PM | 420300.000 | 25.714 | 16.900 |
| 58.610 | 4182.156 | 4947.600 | 2.678 |
| 3.364 | 239.111 | 1.001 | 14.744 |
| 10/17/2016 7:00:00 PM | 421200.000 | 25.713 | 16.900 |
| 58.608 | 4182.147 | 4947.599 | 2.678 |
| 3.364 | 239.112 | 1.001 | 14.742 |
| 10/17/2016 7:15:00 PM | 422100.000 | 25.712 | 16.900 |
| 58.606 | 4182.030 | 4947.479 | 2.678 |
| 3.364 | 239.118 | 1.001 | 14.747 |
| 10/17/2016 7:30:00 PM | 423000.000 | 25.716 | 16.900 |
| 58.614 | 4182.187 | 4947.665 | 2.678 |
| 3.364 | 239.109 | 1.001 | 14.750 |
| 10/17/2016 7:45:00 PM | 423900.000 | 25.707 | 16.900 |
| 58.595 | 4182.166 | 4947.640 | 2.678 |
| 3.364 | 239.111 | 1.001 | 14.753 |
| 10/17/2016 8:00:00 PM | 424800.000 | 25.703 | 16.900 |
| 58.586 | 4182.562 | 4948.060 | 2.679 |
| 3.365 | 239.088 | 1.001 | 14.756 |
| 10/17/2016 8:15:00 PM | 425700.000 | 25.711 | 16.900 |
| 58.604 | 4181.582 | 4946.960 | 2.678 |
| 3.364 | 239.144 | 1.001 | 14.755 |
| 10/17/2016 8:30:00 PM | 426600.000 | 25.719 | 16.900 |

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|---|---|---|---|
| 58.620 | 4181.778 | 4947.143 | 2.678 |
| 3.364 | 239.133 | 1.001 | 14.749 |
| 10/17/2016 8:45:00 PM | 427500.000 | 25.702 | 16.901 |
| 58.583 | 4181.139 | 4946.329 | 2.678 |
| 3.364 | 239.169 | 1.001 | 14.762 |
| 10/17/2016 9:00:00 PM | 428400.000 | 25.709 | 16.900 |
| 58.599 | 4180.721 | 4945.883 | 2.677 |
| 3.363 | 239.193 | 1.001 | 14.761 |
| 10/17/2016 9:15:00 PM | 429300.000 | 25.705 | 16.900 |
| 58.590 | 4180.979 | 4946.187 | 2.678 |
| 3.363 | 239.178 | 1.001 | 14.761 |
| 10/17/2016 9:30:00 PM | 430200.000 | 25.703 | 16.900 |
| 58.585 | 4181.036 | 4946.255 | 2.678 |
| 3.363 | 239.175 | 1.001 | 14.764 |
| 10/17/2016 9:45:00 PM | 431100.000 | 25.715 | 16.900 |
| 58.613 | 4180.732 | 4945.905 | 2.677 |
| 3.363 | 239.193 | 1.001 | 14.758 |
| 10/17/2016 10:00:00 PM | 432000.000 | 25.709 | 16.900 |
| 58.598 | 4180.831 | 4946.032 | 2.677 |
| 3.363 | 239.187 | 1.001 | 14.763 |
| 10/17/2016 10:15:00 PM | 432900.000 | 25.712 | 16.900 |
| 58.606 | 4180.300 | 4945.374 | 2.677 |
| 3.363 | 239.217 | 1.001 | 14.766 |
| 10/17/2016 10:30:00 PM | 433800.000 | 25.711 | 16.901 |
| 58.604 | 4180.286 | 4945.329 | 2.677 |
| 3.363 | 239.218 | 1.001 | 14.766 |
| 10/17/2016 10:45:00 PM | 434700.000 | 25.710 | 16.900 |
| 58.600 | 4180.729 | 4945.960 | 2.677 |
| 3.363 | 239.193 | 1.001 | 14.767 |
| 10/17/2016 11:00:00 PM | 435600.000 | 25.712 | 16.900 |
| 58.605 | 4180.191 | 4945.256 | 2.677 |
| 3.363 | 239.223 | 1.001 | 14.769 |
| 10/17/2016 11:15:00 PM | 436500.000 | 25.707 | 16.900 |
| 58.595 | 4179.811 | 4944.834 | 2.677 |
| 3.362 | 239.245 | 1.001 | 14.773 |
| 10/17/2016 11:30:00 PM | 437400.000 | 25.705 | 16.900 |
| 58.590 | 4179.561 | 4944.490 | 2.677 |
| 3.362 | 239.260 | 1.001 | 14.775 |
| 10/17/2016 11:45:00 PM | 438300.000 | 25.709 | 16.900 |
| 58.599 | 4179.968 | 4945.030 | 2.677 |
| 3.363 | 239.236 | 1.001 | 14.776 |
| 10/18/2016 12:00:00 AM | 439200.000 | 25.706 | 16.900 |
| 58.593 | 4180.382 | 4945.530 | 2.677 |
| 3.363 | 239.213 | 1.001 | 14.778 |
| 10/18/2016 12:15:00 AM | 440100.000 | 25.709 | 16.900 |
| 58.598 | 4180.034 | 4945.041 | 2.677 |
| 3.363 | 239.232 | 1.001 | 14.780 |
| 10/18/2016 12:30:00 AM | 441000.000 | 25.703 | 16.901 |
| 58.584 | 4179.843 | 4944.795 | 2.677 |
| 3.362 | 239.243 | 1.001 | 14.782 |
| 10/18/2016 12:45:00 AM | 441900.000 | 25.709 | 16.900 |
| 58.598 | 4179.775 | 4944.734 | 2.677 |
| 3.362 | 239.247 | 1.001 | 14.780 |
| 10/18/2016 1:00:00 AM | 442800.000 | 25.710 | 16.900 |

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|---|---|---|---|
| 58.601 | 4179.454 | 4944.393 | 2.676 |
| 3.362 | 239.266 | 1.001 | 14.784 |
| 10/18/2016 1:15:00 AM | 443700.000 | 25.714 | 16.901 |
| 58.609 | 4179.856 | 4944.811 | 2.677 |
| 3.362 | 239.243 | 1.001 | 14.780 |
| 10/18/2016 1:30:00 AM | 444600.000 | 25.707 | 16.900 |
| 58.594 | 4179.904 | 4944.945 | 2.677 |
| 3.363 | 239.240 | 1.001 | 14.786 |
| 10/18/2016 1:45:00 AM | 445500.000 | 25.710 | 16.900 |
| 58.600 | 4179.585 | 4944.510 | 2.677 |
| 3.362 | 239.258 | 1.001 | 14.785 |
| 10/18/2016 2:00:00 AM | 446400.000 | 25.706 | 16.900 |
| 58.593 | 4179.438 | 4944.404 | 2.677 |
| 3.362 | 239.267 | 1.001 | 14.784 |
| 10/18/2016 2:15:00 AM | 447300.000 | 25.707 | 16.901 |
| 58.595 | 4179.627 | 4944.529 | 2.677 |
| 3.362 | 239.256 | 1.001 | 14.784 |
| 10/18/2016 2:30:00 AM | 448200.000 | 25.711 | 16.900 |
| 58.603 | 4180.083 | 4945.137 | 2.677 |
| 3.363 | 239.230 | 1.001 | 14.787 |
| 10/18/2016 2:45:00 AM | 449100.000 | 25.710 | 16.900 |
| 58.600 | 4179.644 | 4944.608 | 2.677 |
| 3.362 | 239.255 | 1.001 | 14.788 |
| 10/18/2016 3:00:00 AM | 450000.000 | 25.717 | 16.900 |
| 58.616 | 4180.245 | 4945.329 | 2.677 |
| 3.363 | 239.220 | 1.001 | 14.787 |
| 10/18/2016 3:15:00 AM | 450900.000 | 25.714 | 16.900 |
| 58.610 | 4180.500 | 4945.601 | 2.677 |
| 3.363 | 239.206 | 1.001 | 14.781 |
| 10/18/2016 3:30:00 AM | 451800.000 | 25.714 | 16.900 |
| 58.611 | 4179.865 | 4944.859 | 2.677 |
| 3.363 | 239.242 | 1.001 | 14.784 |
| 10/18/2016 3:45:00 AM | 452700.000 | 25.709 | 16.900 |
| 58.600 | 4180.648 | 4945.796 | 2.677 |
| 3.363 | 239.197 | 1.001 | 14.785 |
| 10/18/2016 4:00:00 AM | 453600.000 | 25.718 | 16.900 |
| 58.620 | 4179.998 | 4945.047 | 2.677 |
| 3.363 | 239.235 | 1.001 | 14.781 |
| 10/18/2016 4:15:00 AM | 454500.000 | 25.712 | 16.900 |
| 58.605 | 4180.380 | 4945.459 | 2.677 |
| 3.363 | 239.213 | 1.001 | 14.785 |
| 10/18/2016 4:30:00 AM | 455400.000 | 25.712 | 16.900 |
| 58.606 | 4181.086 | 4946.304 | 2.678 |
| 3.363 | 239.172 | 1.001 | 14.785 |
| 10/18/2016 4:45:00 AM | 456300.000 | 25.709 | 16.900 |
| 58.599 | 4180.887 | 4946.099 | 2.677 |
| 3.363 | 239.184 | 1.001 | 14.786 |
| 10/18/2016 5:00:00 AM | 457200.000 | 25.714 | 16.900 |
| 58.611 | 4180.732 | 4945.916 | 2.677 |
| 3.363 | 239.193 | 1.001 | 14.786 |
| 10/18/2016 5:15:00 AM | 458100.000 | 25.706 | 16.900 |
| 58.592 | 4180.978 | 4946.158 | 2.678 |
| 3.363 | 239.178 | 1.001 | 14.790 |
| 10/18/2016 5:30:00 AM | 459000.000 | 25.710 | 16.901 |

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|---|---|---|---|
| 58.601 | 4181.027 | 4946.155 | 2.678 |
| 3.363 | 239.176 | 1.001 | 14.789 |
| 10/18/2016 5:45:00 AM | 459900.000 | 25.711 | 16.900 |
| 58.604 | 4180.324 | 4945.452 | 2.677 |
| 3.363 | 239.216 | 1.001 | 14.790 |
| 10/18/2016 6:00:00 AM | 460800.000 | 25.706 | 16.900 |
| 58.593 | 4180.871 | 4946.079 | 2.677 |
| 3.363 | 239.185 | 1.001 | 14.794 |
| 10/18/2016 6:15:00 AM | 461700.000 | 25.712 | 16.900 |
| 58.606 | 4181.011 | 4946.215 | 2.678 |
| 3.363 | 239.177 | 1.001 | 14.795 |
| 10/18/2016 6:30:00 AM | 462600.000 | 25.710 | 16.900 |
| 58.601 | 4180.360 | 4945.485 | 2.677 |
| 3.363 | 239.214 | 1.001 | 14.799 |
| 10/18/2016 6:45:00 AM | 463500.000 | 25.706 | 16.900 |
| 58.592 | 4179.797 | 4944.828 | 2.677 |
| 3.362 | 239.246 | 1.001 | 14.800 |
| 10/18/2016 7:00:00 AM | 464400.000 | 25.710 | 16.900 |
| 58.601 | 4179.940 | 4944.949 | 2.677 |
| 3.363 | 239.238 | 1.001 | 14.802 |
| 10/18/2016 7:15:00 AM | 465300.000 | 25.711 | 16.901 |
| 58.603 | 4179.739 | 4944.643 | 2.677 |
| 3.362 | 239.249 | 1.001 | 14.804 |
| 10/18/2016 7:30:00 AM | 466200.000 | 25.717 | 16.900 |
| 58.618 | 4179.677 | 4944.618 | 2.677 |
| 3.362 | 239.253 | 1.001 | 14.801 |
| 10/18/2016 7:45:00 AM | 467100.000 | 25.711 | 16.900 |
| 58.604 | 4179.454 | 4944.363 | 2.676 |
| 3.362 | 239.266 | 1.001 | 14.806 |
| 10/18/2016 8:00:00 AM | 468000.000 | 25.712 | 16.901 |
| 58.606 | 4180.066 | 4945.059 | 2.677 |
| 3.363 | 239.231 | 1.001 | 14.806 |
| 10/18/2016 8:15:00 AM | 468900.000 | 25.710 | 16.900 |
| 58.601 | 4179.235 | 4944.134 | 2.676 |
| 3.362 | 239.278 | 1.001 | 14.815 |
| 10/18/2016 8:30:00 AM | 469800.000 | 25.704 | 16.900 |
| 58.588 | 4178.703 | 4943.515 | 2.676 |
| 3.362 | 239.309 | 1.001 | 14.820 |
| 10/18/2016 8:45:00 AM | 470700.000 | 25.720 | 16.901 |
| 58.623 | 4178.915 | 4943.638 | 2.676 |
| 3.362 | 239.297 | 1.001 | 14.808 |
| 10/18/2016 9:00:00 AM | 471600.000 | 25.714 | 16.900 |
| 58.611 | 4178.713 | 4943.497 | 2.676 |
| 3.362 | 239.308 | 1.001 | 14.809 |
| 10/18/2016 9:15:00 AM | 472500.000 | 25.702 | 16.900 |
| 58.583 | 4178.808 | 4943.648 | 2.676 |
| 3.362 | 239.303 | 1.001 | 14.822 |
| 10/18/2016 9:30:00 AM | 473400.000 | 25.707 | 16.900 |
| 58.594 | 4178.787 | 4943.565 | 2.676 |
| 3.362 | 239.304 | 1.001 | 14.820 |
| 10/18/2016 9:45:00 AM | 474300.000 | 25.697 | 16.901 |
| 58.572 | 4179.466 | 4944.349 | 2.676 |
| 3.362 | 239.265 | 1.001 | 14.822 |
| 10/18/2016 10:00:00 AM | 475200.000 | 25.710 | 16.900 |

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|---|---|---|---|
| 58.601 | 4179.271 | 4944.156 | 2.676 |
| 3.362 | 239.276 | 1.001 | 14.819 |
| 10/18/2016 10:15:00 AM | 476100.000 | 25.709 | 16.900 |
| 58.599 | 4179.509 | 4944.448 | 2.677 |
| 3.362 | 239.263 | 1.001 | 14.823 |
| 10/18/2016 10:30:00 AM | 477000.000 | 25.712 | 16.900 |
| 58.605 | 4179.337 | 4944.235 | 2.676 |
| 3.362 | 239.272 | 1.001 | 14.821 |
| 10/18/2016 10:45:00 AM | 477900.000 | 25.710 | 16.900 |
| 58.602 | 4179.512 | 4944.472 | 2.677 |
| 3.362 | 239.262 | 1.001 | 14.822 |
| 10/18/2016 11:00:00 AM | 478800.000 | 25.706 | 16.900 |
| 58.593 | 4179.638 | 4944.630 | 2.677 |
| 3.362 | 239.255 | 1.001 | 14.826 |
| 10/18/2016 11:15:00 AM | 479700.000 | 25.711 | 16.901 |
| 58.603 | 4179.783 | 4944.734 | 2.677 |
| 3.362 | 239.247 | 1.001 | 14.818 |
| 10/18/2016 11:30:00 AM | 480600.000 | 25.709 | 16.900 |
| 58.599 | 4180.604 | 4945.745 | 2.677 |
| 3.363 | 239.200 | 1.001 | 14.817 |
| 10/18/2016 11:45:00 AM | 481500.000 | 25.715 | 16.901 |
| 58.613 | 4180.398 | 4945.442 | 2.677 |
| 3.363 | 239.212 | 1.001 | 14.817 |
| 10/18/2016 12:00:00 PM | 482400.000 | 25.713 | 16.900 |
| 58.607 | 4180.770 | 4945.989 | 2.677 |
| 3.363 | 239.190 | 1.001 | 14.818 |
| 10/18/2016 12:15:00 PM | 483300.000 | 25.714 | 16.900 |
| 58.611 | 4180.856 | 4946.081 | 2.677 |
| 3.363 | 239.185 | 1.001 | 14.816 |
| 10/18/2016 12:30:00 PM | 484200.000 | 25.714 | 16.900 |
| 58.610 | 4180.749 | 4945.963 | 2.677 |
| 3.363 | 239.192 | 1.001 | 14.821 |
| 10/18/2016 12:45:00 PM | 485100.000 | 25.713 | 16.900 |
| 58.609 | 4181.178 | 4946.462 | 2.678 |
| 3.364 | 239.167 | 1.001 | 14.813 |
| 10/18/2016 1:00:00 PM | 486000.000 | 25.721 | 16.899 |
| 58.626 | 4181.573 | 4946.999 | 2.678 |
| 3.364 | 239.144 | 1.001 | 14.802 |
| 10/18/2016 1:15:00 PM | 486900.000 | 25.716 | 16.900 |
| 58.615 | 4181.143 | 4946.401 | 2.678 |
| 3.364 | 239.169 | 1.001 | 14.804 |
| 10/18/2016 1:30:00 PM | 487800.000 | 25.716 | 16.899 |
| 58.614 | 4181.979 | 4947.450 | 2.678 |
| 3.364 | 239.121 | 1.001 | 14.804 |
| 10/18/2016 1:45:00 PM | 488700.000 | 25.717 | 16.899 |
| 58.618 | 4182.367 | 4947.909 | 2.679 |
| 3.365 | 239.099 | 1.001 | 14.799 |
| 10/18/2016 2:00:00 PM | 489600.000 | 25.717 | 16.900 |
| 58.618 | 4182.873 | 4948.457 | 2.679 |
| 3.365 | 239.070 | 1.001 | 14.798 |
| 10/18/2016 2:15:00 PM | 490500.000 | 25.720 | 16.899 |
| 58.624 | 4182.882 | 4948.518 | 2.679 |
| 3.365 | 239.070 | 1.001 | 14.789 |
| 10/18/2016 2:30:00 PM | 491400.000 | 25.714 | 16.900 |

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|---|---|---|---|
| 58.611 | 4183.134 | 4948.776 | 2.679 |
| 3.365 | 239.055 | 1.001 | 14.796 |
| 10/18/2016 2:45:00 PM | 492300.000 | 25.718 | 16.899 |
| 58.620 | 4184.145 | 4950.012 | 2.680 |
| 3.366 | 238.997 | 1.001 | 14.786 |
| 10/18/2016 3:00:00 PM | 493200.000 | 25.721 | 16.900 |
| 58.627 | 4184.538 | 4950.418 | 2.680 |
| 3.366 | 238.975 | 1.001 | 14.782 |
| 10/18/2016 3:15:00 PM | 494100.000 | 25.722 | 16.900 |
| 58.628 | 4184.417 | 4950.265 | 2.680 |
| 3.366 | 238.982 | 1.001 | 14.781 |
| 10/18/2016 3:30:00 PM | 495000.000 | 25.717 | 16.900 |
| 58.616 | 4184.740 | 4950.686 | 2.680 |
| 3.366 | 238.963 | 1.001 | 14.783 |
| 10/18/2016 3:45:00 PM | 495900.000 | 25.721 | 16.899 |
| 58.626 | 4185.050 | 4951.083 | 2.680 |
| 3.367 | 238.946 | 1.001 | 14.780 |
| 10/18/2016 4:00:00 PM | 496800.000 | 25.718 | 16.900 |
| 58.620 | 4185.426 | 4951.469 | 2.681 |
| 3.367 | 238.924 | 1.001 | 14.776 |
| 10/18/2016 4:15:00 PM | 497700.000 | 25.716 | 16.900 |
| 58.614 | 4184.870 | 4950.830 | 2.680 |
| 3.367 | 238.956 | 1.001 | 14.775 |
| 10/18/2016 4:30:00 PM | 498600.000 | 25.722 | 16.899 |
| 58.630 | 4185.361 | 4951.450 | 2.681 |
| 3.367 | 238.928 | 1.001 | 14.772 |
| 10/18/2016 4:45:00 PM | 499500.000 | 25.721 | 16.900 |
| 58.625 | 4185.354 | 4951.412 | 2.681 |
| 3.367 | 238.928 | 1.001 | 14.775 |
| 10/18/2016 5:00:00 PM | 500400.000 | 25.727 | 16.899 |
| 58.641 | 4185.058 | 4951.111 | 2.680 |
| 3.367 | 238.945 | 1.001 | 14.772 |
| 10/18/2016 5:15:00 PM | 501300.000 | 25.719 | 16.900 |
| 58.622 | 4185.250 | 4951.250 | 2.680 |
| 3.367 | 238.934 | 1.001 | 14.775 |
| 10/18/2016 5:30:00 PM | 502200.000 | 25.723 | 16.900 |
| 58.630 | 4185.445 | 4951.530 | 2.681 |
| 3.367 | 238.923 | 1.001 | 14.778 |
| 10/18/2016 5:45:00 PM | 503100.000 | 25.711 | 16.899 |
| 58.603 | 4184.215 | 4950.113 | 2.680 |
| 3.366 | 238.993 | 1.001 | 14.784 |
| 10/18/2016 6:00:00 PM | 504000.000 | 25.716 | 16.900 |
| 58.614 | 4184.484 | 4950.394 | 2.680 |
| 3.366 | 238.978 | 1.001 | 14.783 |
| 10/18/2016 6:15:00 PM | 504900.000 | 25.723 | 16.900 |
| 58.630 | 4184.713 | 4950.634 | 2.680 |
| 3.366 | 238.965 | 1.001 | 14.778 |
| 10/18/2016 6:30:00 PM | 505800.000 | 25.726 | 16.899 |
| 58.638 | 4184.295 | 4950.200 | 2.680 |
| 3.366 | 238.989 | 1.001 | 14.777 |
| 10/18/2016 6:45:00 PM | 506700.000 | 25.709 | 16.900 |
| 58.599 | 4184.179 | 4950.012 | 2.680 |
| 3.366 | 238.996 | 1.001 | 14.790 |
| 10/18/2016 7:00:00 PM | 507600.000 | 25.718 | 16.900 |

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|---|---|---|---|
| 58.620 | 4184.274 | 4950.125 | 2.680 |
| 3.366 | 238.990 | 1.001 | 14.782 |
| 10/18/2016 7:15:00 PM | 508500.000 | 25.723 | 16.900 |
| 58.632 | 4183.701 | 4949.447 | 2.679 |
| 3.366 | 239.023 | 1.001 | 14.778 |
| 10/18/2016 7:30:00 PM | 509400.000 | 25.710 | 16.900 |
| 58.600 | 4183.600 | 4949.348 | 2.679 |
| 3.366 | 239.029 | 1.001 | 14.793 |
| 10/18/2016 7:45:00 PM | 510300.000 | 25.714 | 16.900 |
| 58.611 | 4183.299 | 4949.001 | 2.679 |
| 3.365 | 239.046 | 1.001 | 14.787 |
| 10/18/2016 8:00:00 PM | 511200.000 | 25.711 | 16.900 |
| 58.603 | 4183.174 | 4948.765 | 2.679 |
| 3.365 | 239.053 | 1.001 | 14.796 |
| 10/18/2016 8:15:00 PM | 512100.000 | 25.715 | 16.900 |
| 58.612 | 4183.626 | 4949.329 | 2.679 |
| 3.366 | 239.027 | 1.001 | 14.795 |
| 10/18/2016 8:30:00 PM | 513000.000 | 25.709 | 16.900 |
| 58.599 | 4182.200 | 4947.680 | 2.678 |
| 3.364 | 239.109 | 1.001 | 14.799 |
| 10/18/2016 8:45:00 PM | 513900.000 | 25.712 | 16.899 |
| 58.606 | 4182.337 | 4947.883 | 2.679 |
| 3.365 | 239.101 | 1.001 | 14.797 |
| 10/18/2016 9:00:00 PM | 514800.000 | 25.720 | 16.900 |
| 58.624 | 4182.277 | 4947.703 | 2.678 |
| 3.364 | 239.104 | 1.001 | 14.795 |
| 10/18/2016 9:15:00 PM | 515700.000 | 25.713 | 16.900 |
| 58.608 | 4182.346 | 4947.785 | 2.678 |
| 3.364 | 239.100 | 1.001 | 14.801 |
| 10/18/2016 9:30:00 PM | 516600.000 | 25.721 | 16.900 |
| 58.626 | 4181.777 | 4947.180 | 2.678 |
| 3.364 | 239.133 | 1.001 | 14.799 |
| 10/18/2016 9:45:00 PM | 517500.000 | 25.712 | 16.900 |
| 58.607 | 4181.892 | 4947.288 | 2.678 |
| 3.364 | 239.126 | 1.001 | 14.807 |
| 10/18/2016 10:00:00 PM | 518400.000 | 25.712 | 16.900 |
| 58.606 | 4181.799 | 4947.148 | 2.678 |
| 3.364 | 239.132 | 1.001 | 14.808 |
| 10/18/2016 10:15:00 PM | 519300.000 | 25.720 | 16.900 |
| 58.623 | 4181.694 | 4947.063 | 2.678 |
| 3.364 | 239.138 | 1.001 | 14.806 |
| 10/18/2016 10:30:00 PM | 520200.000 | 25.710 | 16.900 |
| 58.602 | 4180.921 | 4946.129 | 2.677 |
| 3.363 | 239.182 | 1.001 | 14.807 |
| 10/18/2016 10:45:00 PM | 521100.000 | 25.713 | 16.901 |
| 58.609 | 4181.337 | 4946.543 | 2.678 |
| 3.364 | 239.158 | 1.001 | 14.805 |
| 10/18/2016 11:00:00 PM | 522000.000 | 25.717 | 16.900 |
| 58.617 | 4181.247 | 4946.484 | 2.678 |
| 3.364 | 239.163 | 1.001 | 14.805 |
| 10/18/2016 11:15:00 PM | 522900.000 | 25.715 | 16.900 |
| 58.612 | 4181.204 | 4946.443 | 2.678 |
| 3.364 | 239.166 | 1.001 | 14.807 |
| 10/18/2016 11:30:00 PM | 523800.000 | 25.719 | 16.900 |

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|---|---|---|---|
| 58.622 | 4181.148 | 4946.359 | 2.678 |
| 3.364 | 239.169 | 1.001 | 14.807 |
| 10/18/2016 11:45:00 PM | 524700.000 | 25.716 | 16.901 |
| 58.614 | 4181.499 | 4946.734 | 2.678 |
| 3.364 | 239.149 | 1.001 | 14.807 |
| 10/19/2016 12:00:00 AM | 525600.000 | 25.715 | 16.900 |
| 58.613 | 4181.952 | 4947.328 | 2.678 |
| 3.364 | 239.123 | 1.001 | 14.806 |
| 10/19/2016 12:15:00 AM | 526500.000 | 25.723 | 16.901 |
| 58.631 | 4181.256 | 4946.457 | 2.678 |
| 3.364 | 239.163 | 1.001 | 14.802 |
| 10/19/2016 12:30:00 AM | 527400.000 | 25.715 | 16.900 |
| 58.612 | 4181.323 | 4946.604 | 2.678 |
| 3.364 | 239.159 | 1.001 | 14.808 |
| 10/19/2016 12:45:00 AM | 528300.000 | 25.721 | 16.900 |
| 58.627 | 4181.490 | 4946.772 | 2.678 |
| 3.364 | 239.149 | 1.001 | 14.799 |
| 10/19/2016 1:00:00 AM | 529200.000 | 25.717 | 16.900 |
| 58.617 | 4181.437 | 4946.749 | 2.678 |
| 3.364 | 239.152 | 1.001 | 14.808 |
| 10/19/2016 1:15:00 AM | 530100.000 | 25.714 | 16.899 |
| 58.610 | 4181.829 | 4947.272 | 2.678 |
| 3.364 | 239.130 | 1.001 | 14.809 |
| 10/19/2016 1:30:00 AM | 531000.000 | 25.721 | 16.900 |
| 58.627 | 4182.523 | 4948.034 | 2.679 |
| 3.365 | 239.090 | 1.001 | 14.805 |
| 10/19/2016 1:45:00 AM | 531900.000 | 25.716 | 16.900 |
| 58.615 | 4181.470 | 4946.817 | 2.678 |
| 3.364 | 239.150 | 1.001 | 14.809 |
| 10/19/2016 2:00:00 AM | 532800.000 | 25.718 | 16.900 |
| 58.619 | 4181.493 | 4946.864 | 2.678 |
| 3.364 | 239.149 | 1.001 | 14.808 |
| 10/19/2016 2:15:00 AM | 533700.000 | 25.721 | 16.900 |
| 58.627 | 4181.806 | 4947.146 | 2.678 |
| 3.364 | 239.131 | 1.001 | 14.808 |
| 10/19/2016 2:30:00 AM | 534600.000 | 25.717 | 16.900 |
| 58.617 | 4181.890 | 4947.275 | 2.678 |
| 3.364 | 239.126 | 1.001 | 14.812 |
| 10/19/2016 2:45:00 AM | 535500.000 | 25.714 | 16.900 |
| 58.610 | 4181.585 | 4946.914 | 2.678 |
| 3.364 | 239.144 | 1.001 | 14.816 |
| 10/19/2016 3:00:00 AM | 536400.000 | 25.713 | 16.900 |
| 58.608 | 4181.750 | 4947.128 | 2.678 |
| 3.364 | 239.134 | 1.001 | 14.813 |
| 10/19/2016 3:15:00 AM | 537300.000 | 25.715 | 16.900 |
| 58.613 | 4181.221 | 4946.463 | 2.678 |
| 3.364 | 239.165 | 1.001 | 14.810 |
| 10/19/2016 3:30:00 AM | 538200.000 | 25.720 | 16.901 |
| 58.625 | 4181.112 | 4946.296 | 2.678 |
| 3.363 | 239.171 | 1.001 | 14.806 |
| 10/19/2016 3:45:00 AM | 539100.000 | 25.714 | 16.900 |
| 58.609 | 4181.244 | 4946.521 | 2.678 |
| 3.364 | 239.163 | 1.001 | 14.811 |
| 10/19/2016 4:00:00 AM | 540000.000 | 25.717 | 16.901 |

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|---|---|---|---|
| 58.618 | 4181.625 | 4946.884 | 2.678 |
| 3.364 | 239.141 | 1.001 | 14.809 |
| 10/19/2016 4:15:00 AM | 540900.000 | 25.725 | 16.900 |
| 58.635 | 4182.016 | 4947.423 | 2.678 |
| 3.364 | 239.119 | 1.001 | 14.803 |
| 10/19/2016 4:30:00 AM | 541800.000 | 25.729 | 16.900 |
| 58.645 | 4182.219 | 4947.674 | 2.678 |
| 3.364 | 239.107 | 1.001 | 14.799 |
| 10/19/2016 4:45:00 AM | 542700.000 | 25.717 | 16.900 |
| 58.616 | 4183.096 | 4948.731 | 2.679 |
| 3.365 | 239.057 | 1.001 | 14.807 |
| 10/19/2016 5:00:00 AM | 543600.000 | 25.730 | 16.900 |
| 58.648 | 4182.682 | 4948.212 | 2.679 |
| 3.365 | 239.081 | 1.001 | 14.800 |
| 10/19/2016 5:15:00 AM | 544500.000 | 25.722 | 16.901 |
| 58.627 | 4182.935 | 4948.423 | 2.679 |
| 3.365 | 239.067 | 1.001 | 14.802 |
| 10/19/2016 5:30:00 AM | 545400.000 | 25.725 | 16.900 |
| 58.636 | 4183.081 | 4948.664 | 2.679 |
| 3.365 | 239.058 | 1.001 | 14.804 |
| 10/19/2016 5:45:00 AM | 546300.000 | 25.722 | 16.900 |
| 58.628 | 4182.770 | 4948.306 | 2.679 |
| 3.365 | 239.076 | 1.001 | 14.807 |
| 10/19/2016 6:00:00 AM | 547200.000 | 25.718 | 16.901 |
| 58.620 | 4183.165 | 4948.734 | 2.679 |
| 3.365 | 239.053 | 1.001 | 14.810 |
| 10/19/2016 6:15:00 AM | 548100.000 | 25.718 | 16.899 |
| 58.620 | 4182.936 | 4948.592 | 2.679 |
| 3.365 | 239.067 | 1.001 | 14.811 |
| 10/19/2016 6:30:00 AM | 549000.000 | 25.718 | 16.900 |
| 58.620 | 4183.078 | 4948.642 | 2.679 |
| 3.365 | 239.058 | 1.001 | 14.809 |
| 10/19/2016 6:45:00 AM | 549900.000 | 25.723 | 16.900 |
| 58.630 | 4182.545 | 4948.030 | 2.679 |
| 3.365 | 239.089 | 1.001 | 14.804 |
| 10/19/2016 7:00:00 AM | 550800.000 | 25.728 | 16.900 |
| 58.641 | 4182.448 | 4947.975 | 2.679 |
| 3.365 | 239.094 | 1.001 | 14.802 |
| 10/19/2016 7:15:00 AM | 551700.000 | 25.716 | 16.901 |
| 58.615 | 4182.699 | 4948.154 | 2.679 |
| 3.365 | 239.080 | 1.001 | 14.813 |
| 10/19/2016 7:30:00 AM | 552600.000 | 25.721 | 16.901 |
| 58.626 | 4182.257 | 4947.641 | 2.678 |
| 3.364 | 239.105 | 1.001 | 14.810 |
| 10/19/2016 7:45:00 AM | 553500.000 | 25.724 | 16.900 |
| 58.633 | 4181.790 | 4947.157 | 2.678 |
| 3.364 | 239.132 | 1.001 | 14.809 |
| 10/19/2016 8:00:00 AM | 554400.000 | 25.724 | 16.900 |
| 58.632 | 4182.046 | 4947.451 | 2.678 |
| 3.364 | 239.117 | 1.001 | 14.812 |
| 10/19/2016 8:15:00 AM | 555300.000 | 25.722 | 16.900 |
| 58.629 | 4182.171 | 4947.608 | 2.678 |
| 3.364 | 239.110 | 1.001 | 14.815 |
| 10/19/2016 8:30:00 AM | 556200.000 | 25.719 | 16.900 |

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|---|---|---|---|
| 58.621 | 4181.889 | 4947.264 | 2.678 |
| 3.364 | 239.126 | 1.001 | 14.816 |
| 10/19/2016 8:45:00 AM | 557100.000 | 25.713 | 16.901 |
| 58.609 | 4182.911 | 4948.424 | 2.679 |
| 3.365 | 239.068 | 1.001 | 14.816 |
| 10/19/2016 9:00:00 AM | 558000.000 | 25.712 | 16.900 |
| 58.607 | 4182.254 | 4947.676 | 2.678 |
| 3.364 | 239.106 | 1.001 | 14.824 |
| 10/19/2016 9:15:00 AM | 558900.000 | 25.715 | 16.900 |
| 58.612 | 4182.168 | 4947.595 | 2.678 |
| 3.364 | 239.110 | 1.001 | 14.821 |
| 10/19/2016 9:30:00 AM | 559800.000 | 25.717 | 16.900 |
| 58.617 | 4182.017 | 4947.435 | 2.678 |
| 3.364 | 239.119 | 1.001 | 14.820 |
| 10/19/2016 9:45:00 AM | 560700.000 | 25.713 | 16.901 |
| 58.607 | 4181.763 | 4947.026 | 2.678 |
| 3.364 | 239.134 | 1.001 | 14.825 |
| 10/19/2016 10:00:00 AM | 561600.000 | 25.719 | 16.900 |
| 58.621 | 4181.930 | 4947.381 | 2.678 |
| 3.364 | 239.124 | 1.001 | 14.821 |
| 10/19/2016 10:15:00 AM | 562500.000 | 25.721 | 16.900 |
| 58.625 | 4181.664 | 4947.008 | 2.678 |
| 3.364 | 239.139 | 1.001 | 14.815 |
| 10/19/2016 10:30:00 AM | 563400.000 | 25.717 | 16.900 |
| 58.618 | 4181.847 | 4947.244 | 2.678 |
| 3.364 | 239.129 | 1.001 | 14.820 |
| 10/19/2016 10:45:00 AM | 564300.000 | 25.720 | 16.900 |
| 58.625 | 4181.901 | 4947.298 | 2.678 |
| 3.364 | 239.126 | 1.001 | 14.816 |
| 10/19/2016 11:00:00 AM | 565200.000 | 25.720 | 16.900 |
| 58.623 | 4181.946 | 4947.322 | 2.678 |
| 3.364 | 239.123 | 1.001 | 14.816 |
| 10/19/2016 11:15:00 AM | 566100.000 | 25.724 | 16.900 |
| 58.632 | 4182.741 | 4948.244 | 2.679 |
| 3.365 | 239.078 | 1.001 | 14.815 |
| 10/19/2016 11:30:00 AM | 567000.000 | 25.719 | 16.900 |
| 58.622 | 4182.280 | 4947.747 | 2.678 |
| 3.364 | 239.104 | 1.001 | 14.813 |
| 10/19/2016 11:45:00 AM | 567900.000 | 25.719 | 16.900 |
| 58.623 | 4183.011 | 4948.640 | 2.679 |
| 3.365 | 239.062 | 1.001 | 14.812 |
| 10/19/2016 12:00:00 PM | 568800.000 | 25.725 | 16.900 |
| 58.634 | 4183.086 | 4948.661 | 2.679 |
| 3.365 | 239.058 | 1.001 | 14.806 |
| 10/19/2016 12:15:00 PM | 569700.000 | 25.726 | 16.901 |
| 58.638 | 4183.537 | 4949.154 | 2.679 |
| 3.365 | 239.032 | 1.001 | 14.800 |
| 10/19/2016 12:30:00 PM | 570600.000 | 25.724 | 16.900 |
| 58.632 | 4183.747 | 4949.442 | 2.679 |
| 3.366 | 239.020 | 1.001 | 14.800 |
| 10/19/2016 12:45:00 PM | 571500.000 | 25.723 | 16.900 |
| 58.630 | 4184.578 | 4950.464 | 2.680 |
| 3.366 | 238.973 | 1.001 | 14.801 |
| 10/19/2016 1:00:00 PM | 572400.000 | 25.731 | 16.900 |

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|---|---|---|---|
| 58.649 | 4184.429 | 4950.269 | 2.680 |
| 3.366 | 238.981 | 1.001 | 14.794 |
| 10/19/2016 1:15:00 PM | 573300.000 | 25.724 | 16.900 |
| 58.634 | 4184.492 | 4950.382 | 2.680 |
| 3.366 | 238.978 | 1.001 | 14.796 |
| 10/19/2016 1:30:00 PM | 574200.000 | 25.727 | 16.900 |
| 58.639 | 4185.208 | 4951.220 | 2.680 |
| 3.367 | 238.937 | 1.001 | 14.792 |
| 10/19/2016 1:45:00 PM | 575100.000 | 25.721 | 16.900 |
| 58.626 | 4185.001 | 4950.976 | 2.680 |
| 3.367 | 238.949 | 1.001 | 14.796 |
| 10/19/2016 2:00:00 PM | 576000.000 | 25.720 | 16.900 |
| 58.624 | 4185.428 | 4951.499 | 2.681 |
| 3.367 | 238.924 | 1.001 | 14.793 |
| 10/19/2016 2:15:00 PM | 576900.000 | 25.718 | 16.900 |
| 58.620 | 4185.333 | 4951.387 | 2.681 |
| 3.367 | 238.930 | 1.001 | 14.794 |
| 10/19/2016 2:30:00 PM | 577800.000 | 25.729 | 16.900 |
| 58.644 | 4185.295 | 4951.313 | 2.680 |
| 3.367 | 238.932 | 1.001 | 14.786 |
| 10/19/2016 2:45:00 PM | 578700.000 | 25.729 | 16.900 |
| 58.645 | 4185.497 | 4951.561 | 2.681 |
| 3.367 | 238.920 | 1.001 | 14.782 |
| 10/19/2016 3:00:00 PM | 579600.000 | 25.724 | 16.900 |
| 58.632 | 4185.817 | 4951.912 | 2.681 |
| 3.367 | 238.902 | 1.001 | 14.786 |
| 10/19/2016 3:15:00 PM | 580500.000 | 25.722 | 16.900 |
| 58.628 | 4185.770 | 4951.884 | 2.681 |
| 3.367 | 238.905 | 1.001 | 14.787 |
| 10/19/2016 3:30:00 PM | 581400.000 | 25.721 | 16.899 |
| 58.627 | 4185.234 | 4951.338 | 2.680 |
| 3.367 | 238.935 | 1.001 | 14.783 |
| 10/19/2016 3:45:00 PM | 582300.000 | 25.726 | 16.900 |
| 58.636 | 4185.479 | 4951.561 | 2.681 |
| 3.367 | 238.921 | 1.001 | 14.781 |
| 10/19/2016 4:00:00 PM | 583200.000 | 25.726 | 16.900 |
| 58.637 | 4185.851 | 4952.010 | 2.681 |
| 3.367 | 238.900 | 1.001 | 14.778 |
| 10/19/2016 4:15:00 PM | 584100.000 | 25.721 | 16.900 |
| 58.627 | 4185.823 | 4951.948 | 2.681 |
| 3.367 | 238.902 | 1.001 | 14.782 |
| 10/19/2016 4:30:00 PM | 585000.000 | 25.722 | 16.900 |
| 58.629 | 4185.390 | 4951.415 | 2.681 |
| 3.367 | 238.926 | 1.001 | 14.783 |
| 10/19/2016 4:45:00 PM | 585900.000 | 25.721 | 16.900 |
| 58.627 | 4185.962 | 4952.151 | 2.681 |
| 3.367 | 238.894 | 1.001 | 14.782 |
| 10/19/2016 5:00:00 PM | 586800.000 | 25.724 | 16.900 |
| 58.632 | 4186.082 | 4952.273 | 2.681 |
| 3.368 | 238.887 | 1.001 | 14.780 |
| 10/19/2016 5:15:00 PM | 587700.000 | 25.726 | 16.899 |
| 58.638 | 4185.391 | 4951.535 | 2.681 |
| 3.367 | 238.926 | 1.001 | 14.778 |
| 10/19/2016 5:30:00 PM | 588600.000 | 25.722 | 16.900 |

| | | | |
|---|---|---|---|
| 58.628 | 4184.889 | 4950.813 | 2.680 |
| 3.367 | 238.955 | 1.001 | 14.777 |
| 10/19/2016 5:45:00 PM | 589500.000 | 25.724 | 16.900 |
| 58.632 | 4185.525 | 4951.575 | 2.681 |
| 3.367 | 238.919 | 1.001 | 14.778 |
| 10/19/2016 6:00:00 PM | 590400.000 | 25.725 | 16.900 |
| 58.635 | 4185.417 | 4951.477 | 2.681 |
| 3.367 | 238.925 | 1.001 | 14.779 |
| 10/19/2016 6:15:00 PM | 591300.000 | 25.725 | 16.900 |
| 58.635 | 4186.109 | 4952.257 | 2.681 |
| 3.368 | 238.885 | 1.001 | 14.778 |
| 10/19/2016 6:30:00 PM | 592200.000 | 25.727 | 16.900 |
| 58.639 | 4185.701 | 4951.833 | 2.681 |
| 3.367 | 238.909 | 1.001 | 14.774 |
| 10/19/2016 6:45:00 PM | 593100.000 | 25.724 | 16.900 |
| 58.632 | 4185.178 | 4951.175 | 2.680 |
| 3.367 | 238.938 | 1.001 | 14.779 |
| 10/19/2016 7:00:00 PM | 594000.000 | 25.727 | 16.899 |
| 58.641 | 4186.251 | 4952.513 | 2.681 |
| 3.368 | 238.877 | 1.001 | 14.776 |
| 10/19/2016 7:15:00 PM | 594900.000 | 25.726 | 16.900 |
| 58.637 | 4185.391 | 4951.417 | 2.681 |
| 3.367 | 238.926 | 1.001 | 14.775 |
| 10/19/2016 7:30:00 PM | 595800.000 | 25.722 | 16.900 |
| 58.628 | 4185.375 | 4951.409 | 2.681 |
| 3.367 | 238.927 | 1.001 | 14.782 |
| 10/19/2016 7:45:00 PM | 596700.000 | 25.725 | 16.900 |
| 58.635 | 4185.054 | 4951.037 | 2.680 |
| 3.367 | 238.946 | 1.001 | 14.782 |
| 10/19/2016 8:00:00 PM | 597600.000 | 25.727 | 16.900 |
| 58.639 | 4185.227 | 4951.242 | 2.680 |
| 3.367 | 238.936 | 1.001 | 14.783 |
| 10/19/2016 8:15:00 PM | 598500.000 | 25.721 | 16.901 |
| 58.626 | 4184.707 | 4950.539 | 2.680 |
| 3.366 | 238.965 | 1.001 | 14.787 |
| 10/19/2016 8:30:00 PM | 599400.000 | 25.724 | 16.900 |
| 58.633 | 4184.582 | 4950.469 | 2.680 |
| 3.366 | 238.973 | 1.001 | 14.785 |
| 10/19/2016 8:45:00 PM | 600300.000 | 25.729 | 16.900 |
| 58.645 | 4184.080 | 4949.845 | 2.680 |
| 3.366 | 239.001 | 1.001 | 14.781 |
| 10/19/2016 9:00:00 PM | 601200.000 | 25.723 | 16.900 |
| 58.632 | 4183.855 | 4949.610 | 2.680 |
| 3.366 | 239.014 | 1.001 | 14.786 |
| 10/19/2016 9:15:00 PM | 602100.000 | 25.723 | 16.900 |
| 58.630 | 4183.810 | 4949.565 | 2.679 |
| 3.366 | 239.017 | 1.001 | 14.787 |
| 10/19/2016 9:30:00 PM | 603000.000 | 25.723 | 16.900 |
| 58.630 | 4183.835 | 4949.577 | 2.679 |
| 3.366 | 239.015 | 1.001 | 14.792 |
| 10/19/2016 9:45:00 PM | 603900.000 | 25.718 | 16.900 |
| 58.619 | 4183.754 | 4949.471 | 2.679 |
| 3.366 | 239.020 | 1.001 | 14.792 |
| 10/19/2016 10:00:00 PM | 604800.000 | 25.721 | 16.900 |

| | | | |
|---|---|---|---|
| 58.627 | 4183.597 | 4949.333 | 2.679 |
| 3.366 | 239.029 | 1.001 | 14.790 |
| 10/19/2016 10:15:00 PM | 605700.000 | 25.718 | 16.900 |
| 58.620 | 4183.495 | 4949.173 | 2.679 |
| 3.365 | 239.035 | 1.001 | 14.794 |
| 10/19/2016 10:30:00 PM | 606600.000 | 25.721 | 16.899 |
| 58.625 | 4183.458 | 4949.238 | 2.679 |
| 3.365 | 239.037 | 1.001 | 14.790 |
| 10/19/2016 10:45:00 PM | 607500.000 | 25.727 | 16.900 |
| 58.641 | 4183.682 | 4949.386 | 2.679 |
| 3.366 | 239.024 | 1.001 | 14.786 |
| 10/19/2016 11:00:00 PM | 608400.000 | 25.720 | 16.900 |
| 58.624 | 4183.317 | 4948.963 | 2.679 |
| 3.365 | 239.045 | 1.001 | 14.794 |
| 10/19/2016 11:15:00 PM | 609300.000 | 25.716 | 16.900 |
| 58.616 | 4183.728 | 4949.449 | 2.679 |
| 3.366 | 239.021 | 1.001 | 14.793 |
| 10/19/2016 11:30:00 PM | 610200.000 | 25.725 | 16.900 |
| 58.636 | 4183.617 | 4949.328 | 2.679 |
| 3.366 | 239.028 | 1.001 | 14.792 |
| 10/19/2016 11:45:00 PM | 611100.000 | 25.722 | 16.901 |
| 58.629 | 4184.458 | 4950.264 | 2.680 |
| 3.366 | 238.980 | 1.001 | 14.790 |

Report Date: 10/21/2016 8:24:42 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP CEMEX Dredge Pond_2016-10-20_18-49-45-481-BaroMerge.wsl
Create Date: 10/21/2016 8:23:58 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP CEMEX Dredge Pond
Device Name: MPWSP CEMEX Dredge Pond
Serial Number: 451585
Firmware Version: 2.01
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 2

Log Configuration
Log Name: MPWSP CEMEX Dredge Pond
Created By: nreynolds
Computer Name: PROBOOK1
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 7/13/2016 6:06:20 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 7/13/2016 6:30:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 30 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: 35.8805 (ft)
Head Pressure: 15.9285 (PSI)
Temperature: 18.9083 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

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Log Notes:

| Date and Time | Note |
|---|---|
| 7/13/2016 6:06:28 PM | Used Battery: 2% Used Memory: 3% User Name: nreynolds |
| 7/13/2016 7:44:56 PM | Log Download - Used Battery: 2% Used Memory: 3% User Name: nreynolds |
| 7/14/2016 8:35:09 PM | Log Download - Used Battery: 2% Used Memory: 3% User Name: ELinden Interval - Start Time: 7/13/2016 5:30:00 PM Stop Time: 7/14/2016 9:30:00 PM |
| 7/21/2016 6:41:39 PM | Log Download - Used Battery: 2% Used Memory: 3% User Name: SKuiper |
| 7/28/2016 8:17:04 PM | Log Download - Used Battery: 3% Used Memory: 3% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 8:15:00 PM |
| 8/4/2016 6:44:30 PM | Log Download - Used Battery: 3% Used Memory: 3% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 7:00:00 PM |
| 8/11/2016 5:53:17 PM | Log Download - Used Battery: 3% Used Memory: 4% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 6:15:00 PM |
| 8/18/2016 5:54:34 PM | Log Download - Used Battery: 3% Used Memory: 4% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 6:00:00 PM |
| 8/25/2016 8:12:17 PM | Log Download - Used Battery: 4% Used Memory: 4% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 7:15:00 PM |
| 9/1/2016 12:38:22 PM | Log Download - Used Battery: 4% Used Memory: 4% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 1:30:00 PM |
| 9/8/2016 7:20:33 PM | Log Download - Used Battery: 4% Used Memory: 6% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 8:00:00 PM |
| 9/15/2016 8:44:54 PM | Log Download - Used Battery: 4% Used Memory: 6% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 9:15:00 PM |
| 9/22/2016 6:22:27 PM | Log Download - Used Battery: 5% Used Memory: 6% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 6:15:00 PM |
| 10/2/2016 9:10:10 AM | Log Download - Used Battery: 5% Used Memory: 7% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/2/2016 10:00:00 AM |
| 10/7/2016 7:49:16 PM | Log Download - Used Battery: 5% Used Memory: 7% User Name: SKuiper Interval - Start Time: 9/28/2016 8:00:00 AM Stop Time: 10/7/2016 8:15:00 PM |
| 10/13/2016 7:10:42 PM | Log Download - Used Battery: 5% Used Memory: 7% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 8:29:45 PM |
| 10/20/2016 6:49:08 PM | Log Download - Used Battery: 6% Used Memory: 7% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 6:45:00 PM |
| 10/21/2016 8:23:58 AM | User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2016-10-20_19-47-06-997.wsl"" |

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Log Data:
Record Count: 378
Sensors: 2
1 - 451585: PCTD 30 PSIA (10.9m/35.8ft)
2 - 0: Baro-Adjustment Calc
Time Zone: Pacific Daylight Time

| | | | |
|---|---|---|---|
| | Sensor: PCTD(A) 35.8ft | Sensor: PCTD(A) 35.8ft | Sensor: |
| PCTD(A) 35.8ft | Sensor: PCTD(A) 35.8ft | Sensor: PCTD(A) 35.8ft | Sensor: |
| PCTD(A) 35.8ft | Sensor: PCTD(A) 35.8ft | Sensor: PCTD(A) 35.8ft | Sensor: |

PCTD(A) 35.8ft Sensor: Baro-Adj Calc

| | | | | |
|---|---|---|---|---|
| | SN#: 451585 | SN#: 451585 | SN#: 451585 | |
| SN#: 451585 | SN#: 451585 | SN#: 451585 | SN#: 451585 | |
| SN#: 451585 | SN#: 451585 | SN#: 000000 | | |

| Date and Time | Elapsed Time Seconds | Corrected Pressure (PSI) | Temperature (C) | Corrected Depth (ft) |
|---|---|---|---|---|
| Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppt) | Water Density (g/cm3) |
| Resistivity (ohm-cm) | Barometric Pressure (PSI) | | | |
| 10/13/2016 12:00:00 AM | 7200.000 | 6.647 | 16.001 | |
| 14.972 | 41776.805 | 50448.371 | 33.172 | |
| 34.305 | 1.024 | 23.937 | 14.771 | |
| 10/13/2016 12:30:00 AM | 9000.000 | 6.649 | 15.979 | |
| 14.978 | 41769.379 | 50464.250 | 33.182 | |
| 34.316 | 1.024 | 23.941 | 14.773 | |
| 10/13/2016 1:00:00 AM | 10800.000 | 6.652 | 15.977 | |
| 14.985 | 41754.801 | 50449.496 | 33.171 | |
| 34.306 | 1.024 | 23.949 | 14.777 | |
| 10/13/2016 1:30:00 AM | 12600.000 | 6.658 | 15.964 | |
| 14.999 | 41740.863 | 50447.172 | 33.169 | |
| 34.304 | 1.024 | 23.957 | 14.772 | |
| 10/13/2016 2:00:00 AM | 14400.000 | 6.659 | 15.978 | |
| 15.000 | 41747.227 | 50439.418 | 33.164 | |
| 34.299 | 1.024 | 23.954 | 14.774 | |
| 10/13/2016 2:30:00 AM | 16200.000 | 6.667 | 15.969 | |
| 15.018 | 41745.563 | 50447.027 | 33.169 | |
| 34.304 | 1.024 | 23.955 | 14.772 | |
| 10/13/2016 3:00:00 AM | 18000.000 | 6.660 | 15.972 | |
| 15.002 | 41749.289 | 50448.160 | 33.170 | |
| 34.305 | 1.024 | 23.953 | 14.778 | |
| 10/13/2016 3:30:00 AM | 19800.000 | 6.670 | 15.967 | |
| 15.026 | 41726.199 | 50425.773 | 33.153 | |
| 34.290 | 1.024 | 23.966 | 14.764 | |
| 10/13/2016 4:00:00 AM | 21600.000 | 6.673 | 15.949 | |
| 15.032 | 41708.844 | 50426.477 | 33.153 | |
| 34.290 | 1.024 | 23.976 | 14.761 | |
| 10/13/2016 4:30:00 AM | 23400.000 | 6.675 | 15.937 | |
| 15.037 | 41737.906 | 50475.852 | 33.188 | |
| 34.324 | 1.024 | 23.959 | 14.759 | |
| 10/13/2016 5:00:00 AM | 25200.000 | 6.676 | 15.934 | |
| 15.038 | 41710.367 | 50445.605 | 33.165 | |
| 34.303 | 1.024 | 23.975 | 14.757 | |
| 10/13/2016 5:30:00 AM | 27000.000 | 6.673 | 15.960 | |
| 15.031 | 41737.516 | 50447.934 | 33.169 | |
| 34.305 | 1.024 | 23.959 | 14.759 | |
| 10/13/2016 6:00:00 AM | 28800.000 | 6.678 | 16.002 | |
| 15.044 | 41776.742 | 50446.867 | 33.171 | |
| 34.304 | 1.024 | 23.937 | 14.758 | |
| 10/13/2016 6:30:00 AM | 30600.000 | 6.674 | 16.048 | |
| 15.034 | 41824.387 | 50450.551 | 33.177 | |
| 34.306 | 1.024 | 23.909 | 14.760 | |

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|---|---|---|---|
| 10/13/2016 7:00:00 AM | 32400.000 | 6.679 | 16.152 |
| 15.045 | 41887.500 | 50406.484 | 33.153 |
| 34.276 | 1.024 | 23.873 | 14.754 |
| 10/13/2016 7:30:00 AM | 34200.000 | 6.677 | 16.230 |
| 15.041 | 41976.801 | 50422.711 | 33.170 |
| 34.287 | 1.024 | 23.823 | 14.754 |
| 10/13/2016 8:00:00 AM | 36000.000 | 6.661 | 16.286 |
| 15.004 | 42026.621 | 50418.320 | 33.171 |
| 34.284 | 1.024 | 23.794 | 14.751 |
| 10/13/2016 8:30:00 AM | 37800.000 | 6.632 | 16.276 |
| 14.940 | 42003.242 | 50401.012 | 33.157 |
| 34.273 | 1.024 | 23.808 | 14.757 |
| 10/13/2016 9:00:00 AM | 39600.000 | 6.614 | 16.290 |
| 14.900 | 42059.246 | 50452.191 | 33.196 |
| 34.307 | 1.024 | 23.776 | 14.760 |
| 10/13/2016 9:30:00 AM | 41400.000 | 6.593 | 16.270 |
| 14.852 | 42031.445 | 50442.559 | 33.187 |
| 34.301 | 1.024 | 23.792 | 14.771 |
| 10/13/2016 10:00:00 AM | 43200.000 | 6.577 | 16.292 |
| 14.816 | 42060.254 | 50451.055 | 33.195 |
| 34.307 | 1.024 | 23.775 | 14.774 |
| 10/13/2016 10:30:00 AM | 45000.000 | 6.558 | 16.275 |
| 14.772 | 42015.414 | 50417.547 | 33.169 |
| 34.284 | 1.024 | 23.801 | 14.770 |
| 10/13/2016 11:00:00 AM | 46800.000 | 6.536 | 16.263 |
| 14.723 | 42039.066 | 50459.934 | 33.200 |
| 34.313 | 1.024 | 23.787 | 14.773 |
| 10/13/2016 11:30:00 AM | 48600.000 | 6.517 | 16.238 |
| 14.679 | 41985.789 | 50424.480 | 33.172 |
| 34.289 | 1.024 | 23.818 | 14.775 |
| 10/13/2016 12:00:00 PM | 50400.000 | 6.509 | 16.249 |
| 14.663 | 42013.391 | 50444.836 | 33.188 |
| 34.302 | 1.024 | 23.802 | 14.770 |
| 10/13/2016 12:30:00 PM | 52200.000 | 6.497 | 16.221 |
| 14.635 | 41986.070 | 50444.805 | 33.186 |
| 34.302 | 1.024 | 23.817 | 14.770 |
| 10/13/2016 1:00:00 PM | 54000.000 | 6.482 | 16.212 |
| 14.600 | 41973.313 | 50439.949 | 33.181 |
| 34.299 | 1.024 | 23.825 | 14.766 |
| 10/13/2016 1:30:00 PM | 55800.000 | 6.476 | 16.227 |
| 14.587 | 42024.891 | 50483.730 | 33.215 |
| 34.329 | 1.024 | 23.795 | 14.753 |
| 10/13/2016 2:00:00 PM | 57600.000 | 6.450 | 16.230 |
| 14.530 | 42005.227 | 50457.563 | 33.196 |
| 34.311 | 1.024 | 23.807 | 14.756 |
| 10/13/2016 2:30:00 PM | 59400.000 | 6.430 | 16.240 |
| 14.484 | 41986.359 | 50422.523 | 33.171 |
| 34.287 | 1.024 | 23.817 | 14.752 |
| 10/13/2016 3:00:00 PM | 61200.000 | 6.410 | 16.247 |
| 14.438 | 41995.633 | 50425.535 | 33.173 |
| 34.289 | 1.024 | 23.812 | 14.750 |
| 10/13/2016 3:30:00 PM | 63000.000 | 6.397 | 16.270 |
| 14.409 | 42036.355 | 50448.656 | 33.192 |
| 34.305 | 1.024 | 23.789 | 14.744 |
| 10/13/2016 4:00:00 PM | 64800.000 | 6.381 | 16.264 |

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|---|---|---|---|
| 14.375 | 42002.891 | 50414.473 | 33.166 |
| 34.282 | 1.024 | 23.808 | 14.734 |
| 10/13/2016 4:30:00 PM | 66600.000 | 6.361 | 16.275 |
| 14.329 | 42046.527 | 50454.883 | 33.197 |
| 34.309 | 1.024 | 23.783 | 14.732 |
| 10/13/2016 5:00:00 PM | 68400.000 | 6.341 | 16.255 |
| 14.283 | 41986.906 | 50405.945 | 33.160 |
| 34.276 | 1.024 | 23.817 | 14.729 |
| 10/13/2016 5:30:00 PM | 70200.000 | 6.344 | 16.241 |
| 14.291 | 41996.219 | 50433.438 | 33.179 |
| 34.295 | 1.024 | 23.812 | 14.726 |
| 10/13/2016 6:00:00 PM | 72000.000 | 6.343 | 16.253 |
| 14.289 | 42007.930 | 50433.309 | 33.180 |
| 34.295 | 1.024 | 23.805 | 14.725 |
| 10/13/2016 6:30:00 PM | 73800.000 | 6.351 | 16.246 |
| 14.305 | 42025.938 | 50463.051 | 33.201 |
| 34.315 | 1.024 | 23.795 | 14.732 |
| 10/13/2016 7:00:00 PM | 75600.000 | 6.358 | 16.271 |
| 14.322 | 42042.270 | 50454.328 | 33.196 |
| 34.309 | 1.024 | 23.786 | 14.733 |
| 10/13/2016 7:30:00 PM | 77400.000 | 6.374 | 16.280 |
| 14.358 | 42032.324 | 50431.949 | 33.180 |
| 34.294 | 1.024 | 23.791 | 14.733 |
| 10/13/2016 8:00:00 PM | 79200.000 | 6.377 | 16.301 |
| 14.366 | 42074.316 | 50457.383 | 33.201 |
| 34.311 | 1.024 | 23.767 | 14.739 |
| 10/13/2016 8:30:00 PM | 81000.000 | 6.387 | 16.309 |
| 14.388 | 42028.227 | 50394.020 | 33.155 |
| 34.268 | 1.024 | 23.794 | 14.738 |
| 10/13/2016 9:00:00 PM | 82800.000 | 6.404 | 16.297 |
| 14.426 | 42044.766 | 50427.523 | 33.178 |
| 34.291 | 1.024 | 23.784 | 14.735 |
| 10/13/2016 9:30:00 PM | 84600.000 | 6.413 | 16.293 |
| 14.447 | 42033.508 | 50418.273 | 33.171 |
| 34.284 | 1.024 | 23.791 | 14.743 |
| 10/13/2016 10:00:00 PM | 86400.000 | 6.429 | 16.279 |
| 14.482 | 42039.352 | 50441.488 | 33.187 |
| 34.300 | 1.024 | 23.787 | 14.744 |
| 10/13/2016 10:30:00 PM | 88200.000 | 6.451 | 16.276 |
| 14.532 | 42020.555 | 50422.188 | 33.173 |
| 34.287 | 1.024 | 23.798 | 14.741 |
| 10/13/2016 11:00:00 PM | 90000.000 | 6.465 | 16.279 |
| 14.563 | 42029.098 | 50429.188 | 33.178 |
| 34.292 | 1.024 | 23.793 | 14.743 |
| 10/13/2016 11:30:00 PM | 91800.000 | 6.482 | 16.303 |
| 14.601 | 42035.152 | 50408.293 | 33.165 |
| 34.278 | 1.024 | 23.790 | 14.741 |
| 10/14/2016 12:00:00 AM | 93600.000 | 6.507 | 16.282 |
| 14.658 | 42036.004 | 50434.148 | 33.182 |
| 34.295 | 1.024 | 23.789 | 14.739 |
| 10/14/2016 12:30:00 AM | 95400.000 | 6.518 | 16.288 |
| 14.682 | 42042.547 | 50435.406 | 33.183 |
| 34.296 | 1.024 | 23.785 | 14.737 |
| 10/14/2016 1:00:00 AM | 97200.000 | 6.541 | 16.274 |
| 14.735 | 42006.660 | 50408.266 | 33.163 |

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| 34.278 | 1.024 | 23.806 | 14.731 |
| 10/14/2016 1:30:00 AM | 99000.000 | 6.556 | 16.292 |
| 14.767 | 42014.637 | 50396.246 | 33.155 |
| 34.269 | 1.024 | 23.801 | 14.725 |
| 10/14/2016 2:00:00 AM | 100800.000 | 6.563 | 16.267 |
| 14.784 | 42012.035 | 50422.203 | 33.172 |
| 34.287 | 1.024 | 23.803 | 14.733 |
| 10/14/2016 2:30:00 AM | 102600.000 | 6.582 | 16.259 |
| 14.826 | 41983.691 | 50397.414 | 33.154 |
| 34.270 | 1.024 | 23.819 | 14.730 |
| 10/14/2016 3:00:00 AM | 104400.000 | 6.595 | 16.214 |
| 14.856 | 41967.930 | 50431.355 | 33.175 |
| 34.293 | 1.024 | 23.828 | 14.727 |
| 10/14/2016 3:30:00 AM | 106200.000 | 6.604 | 16.209 |
| 14.876 | 41968.605 | 50437.852 | 33.180 |
| 34.298 | 1.024 | 23.827 | 14.734 |
| 10/14/2016 4:00:00 AM | 108000.000 | 6.608 | 16.203 |
| 14.886 | 41953.320 | 50426.391 | 33.171 |
| 34.290 | 1.024 | 23.836 | 14.736 |
| 10/14/2016 4:30:00 AM | 109800.000 | 6.617 | 16.188 |
| 14.905 | 41962.508 | 50454.602 | 33.190 |
| 34.309 | 1.024 | 23.831 | 14.735 |
| 10/14/2016 5:00:00 AM | 111600.000 | 6.624 | 16.210 |
| 14.922 | 41968.742 | 50436.500 | 33.179 |
| 34.297 | 1.024 | 23.827 | 14.731 |
| 10/14/2016 5:30:00 AM | 113400.000 | 6.638 | 16.202 |
| 14.954 | 41919.004 | 50386.156 | 33.141 |
| 34.263 | 1.024 | 23.856 | 14.726 |
| 10/14/2016 6:00:00 AM | 115200.000 | 6.644 | 16.249 |
| 14.966 | 42020.012 | 50452.988 | 33.194 |
| 34.308 | 1.024 | 23.798 | 14.726 |
| 10/14/2016 6:30:00 AM | 117000.000 | 6.651 | 16.281 |
| 14.982 | 42040.270 | 50440.582 | 33.187 |
| 34.300 | 1.024 | 23.787 | 14.728 |
| 10/14/2016 7:00:00 AM | 118800.000 | 6.664 | 16.303 |
| 15.012 | 42033.656 | 50407.309 | 33.164 |
| 34.277 | 1.024 | 23.790 | 14.723 |
| 10/14/2016 7:30:00 AM | 120600.000 | 6.671 | 16.321 |
| 15.027 | 42081.535 | 50443.340 | 33.192 |
| 34.301 | 1.024 | 23.763 | 14.725 |
| 10/14/2016 8:00:00 AM | 122400.000 | 6.685 | 16.352 |
| 15.058 | 42096.305 | 50424.992 | 33.180 |
| 34.289 | 1.024 | 23.755 | 14.726 |
| 10/14/2016 8:30:00 AM | 124200.000 | 6.688 | 16.878 |
| 15.065 | 42090.051 | 49817.922 | 32.770 |
| 33.876 | 1.024 | 23.759 | 14.729 |
| 10/14/2016 9:00:00 AM | 126000.000 | 6.667 | 16.358 |
| 15.018 | 42149.031 | 50481.367 | 33.222 |
| 34.327 | 1.024 | 23.725 | 14.734 |
| 10/14/2016 9:30:00 AM | 127800.000 | 6.661 | 16.322 |
| 15.005 | 42081.707 | 50443.047 | 33.192 |
| 34.301 | 1.024 | 23.763 | 14.736 |
| 10/14/2016 10:00:00 AM | 129600.000 | 6.652 | 16.323 |
| 14.984 | 42076.902 | 50435.664 | 33.186 |
| 34.296 | 1.024 | 23.766 | 14.736 |

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|---|---|---|---|
| 10/14/2016 10:30:00 AM | 131400.000 | 6.652 | 16.330 |
| 14.985 | 42100.738 | 50456.125 | 33.202 |
| 34.310 | 1.024 | 23.753 | 14.724 |
| 10/14/2016 11:00:00 AM | 133200.000 | 6.628 | 16.329 |
| 14.929 | 42130.250 | 50492.605 | 33.228 |
| 34.335 | 1.024 | 23.736 | 14.735 |
| 10/14/2016 11:30:00 AM | 135000.000 | 6.636 | 16.329 |
| 14.948 | 42122.371 | 50482.660 | 33.221 |
| 34.328 | 1.024 | 23.740 | 14.731 |
| 10/14/2016 12:00:00 PM | 136800.000 | 6.631 | 16.337 |
| 14.937 | 42133.992 | 50487.867 | 33.226 |
| 34.332 | 1.024 | 23.734 | 14.729 |
| 10/14/2016 12:30:00 PM | 138600.000 | 6.644 | 16.350 |
| 14.965 | 42110.605 | 50445.066 | 33.195 |
| 34.303 | 1.024 | 23.747 | 14.721 |
| 10/14/2016 1:00:00 PM | 140400.000 | 6.631 | 16.318 |
| 14.936 | 42051.754 | 50410.977 | 33.168 |
| 34.279 | 1.024 | 23.780 | 14.725 |
| 10/14/2016 1:30:00 PM | 142200.000 | 6.636 | 16.313 |
| 14.949 | 42075.203 | 50445.672 | 33.193 |
| 34.303 | 1.024 | 23.767 | 14.716 |
| 10/14/2016 2:00:00 PM | 144000.000 | 6.656 | 16.300 |
| 14.994 | 42061.488 | 50443.734 | 33.190 |
| 34.302 | 1.024 | 23.775 | 14.709 |
| 10/14/2016 2:30:00 PM | 145800.000 | 6.677 | 16.306 |
| 15.040 | 42033.785 | 50403.207 | 33.161 |
| 34.274 | 1.024 | 23.790 | 14.708 |
| 10/14/2016 3:00:00 PM | 147600.000 | 6.708 | 16.290 |
| 15.110 | 42034.891 | 50422.871 | 33.174 |
| 34.288 | 1.024 | 23.790 | 14.703 |
| 10/14/2016 3:30:00 PM | 149400.000 | 6.725 | 16.285 |
| 15.149 | 42045.887 | 50442.750 | 33.189 |
| 34.301 | 1.024 | 23.784 | 14.697 |
| 10/14/2016 4:00:00 PM | 151200.000 | 6.727 | 16.288 |
| 15.153 | 42058.691 | 50454.773 | 33.198 |
| 34.309 | 1.024 | 23.776 | 14.704 |
| 10/14/2016 4:30:00 PM | 153000.000 | 6.748 | 16.311 |
| 15.201 | 42063.266 | 50432.984 | 33.183 |
| 34.294 | 1.024 | 23.774 | 14.697 |
| 10/14/2016 5:00:00 PM | 154800.000 | 6.763 | 16.328 |
| 15.235 | 42095.688 | 50452.402 | 33.199 |
| 34.308 | 1.024 | 23.755 | 14.694 |
| 10/14/2016 5:30:00 PM | 156600.000 | 6.776 | 16.354 |
| 15.263 | 42097.109 | 50423.730 | 33.180 |
| 34.288 | 1.024 | 23.755 | 14.694 |
| 10/14/2016 6:00:00 PM | 158400.000 | 6.790 | 16.351 |
| 15.295 | 42095.523 | 50426.188 | 33.181 |
| 34.290 | 1.024 | 23.755 | 14.693 |
| 10/14/2016 6:30:00 PM | 160200.000 | 6.798 | 16.337 |
| 15.312 | 42088.051 | 50432.414 | 33.185 |
| 34.294 | 1.024 | 23.760 | 14.696 |
| 10/14/2016 7:00:00 PM | 162000.000 | 6.808 | 16.350 |
| 15.336 | 42101.566 | 50433.629 | 33.187 |
| 34.295 | 1.024 | 23.752 | 14.697 |
| 10/14/2016 7:30:00 PM | 163800.000 | 6.813 | 16.425 |

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| 15.347 | 42108.992 | 50356.750 | 33.135 |
| 34.243 | 1.024 | 23.748 | 14.709 |
| 10/14/2016 8:00:00 PM | 165600.000 | 6.834 | 16.407 |
| 15.394 | 42121.688 | 50392.313 | 33.160 |
| 34.267 | 1.024 | 23.741 | 14.705 |
| 10/14/2016 8:30:00 PM | 167400.000 | 6.844 | 16.419 |
| 15.417 | 42164.527 | 50430.332 | 33.189 |
| 34.293 | 1.024 | 23.717 | 14.699 |
| 10/14/2016 9:00:00 PM | 169200.000 | 6.865 | 16.443 |
| 15.464 | 42205.289 | 50450.902 | 33.206 |
| 34.307 | 1.024 | 23.694 | 14.703 |
| 10/14/2016 9:30:00 PM | 171000.000 | 6.865 | 16.524 |
| 15.464 | 42193.039 | 50343.461 | 33.132 |
| 34.234 | 1.024 | 23.701 | 14.705 |
| 10/14/2016 10:00:00 PM | 172800.000 | 6.891 | 17.465 |
| 15.522 | 42205.895 | 49300.785 | 32.427 |
| 33.525 | 1.023 | 23.693 | 14.711 |
| 10/14/2016 10:30:00 PM | 174600.000 | 6.927 | 16.496 |
| 15.605 | 42226.805 | 50415.359 | 33.183 |
| 34.282 | 1.024 | 23.682 | 14.708 |
| 10/14/2016 11:00:00 PM | 176400.000 | 6.967 | 16.519 |
| 15.694 | 42255.336 | 50422.816 | 33.190 |
| 34.288 | 1.024 | 23.666 | 14.709 |
| 10/14/2016 11:30:00 PM | 178200.000 | 6.979 | 16.528 |
| 15.721 | 42299.074 | 50464.934 | 33.222 |
| 34.316 | 1.024 | 23.641 | 14.713 |
| 10/15/2016 12:00:00 AM | 180000.000 | 6.990 | 16.525 |
| 15.746 | 42254.254 | 50414.785 | 33.185 |
| 34.282 | 1.024 | 23.666 | 14.715 |
| 10/15/2016 12:30:00 AM | 181800.000 | 7.010 | 16.528 |
| 15.790 | 42264.516 | 50423.398 | 33.192 |
| 34.288 | 1.024 | 23.661 | 14.705 |
| 10/15/2016 1:00:00 AM | 183600.000 | 7.030 | 16.538 |
| 15.836 | 42286.039 | 50437.801 | 33.203 |
| 34.298 | 1.024 | 23.648 | 14.702 |
| 10/15/2016 1:30:00 AM | 185400.000 | 7.040 | 16.544 |
| 15.858 | 42307.328 | 50456.738 | 33.217 |
| 34.311 | 1.024 | 23.637 | 14.709 |
| 10/15/2016 2:00:00 AM | 187200.000 | 7.060 | 16.524 |
| 15.903 | 42241.867 | 50401.723 | 33.175 |
| 34.273 | 1.024 | 23.673 | 14.706 |
| 10/15/2016 2:30:00 AM | 189000.000 | 7.068 | 16.529 |
| 15.921 | 42246.590 | 50401.004 | 33.175 |
| 34.273 | 1.024 | 23.671 | 14.711 |
| 10/15/2016 3:00:00 AM | 190800.000 | 7.080 | 16.511 |
| 15.949 | 42243.992 | 50419.449 | 33.187 |
| 34.285 | 1.024 | 23.672 | 14.706 |
| 10/15/2016 3:30:00 AM | 192600.000 | 7.087 | 16.499 |
| 15.965 | 42207.711 | 50389.145 | 33.164 |
| 34.265 | 1.024 | 23.692 | 14.707 |
| 10/15/2016 4:00:00 AM | 194400.000 | 7.098 | 16.492 |
| 15.990 | 42244.363 | 50441.582 | 33.202 |
| 34.300 | 1.024 | 23.672 | 14.704 |
| 10/15/2016 4:30:00 AM | 196200.000 | 7.111 | 16.502 |
| 16.017 | 42220.051 | 50400.859 | 33.173 |

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| 34.273 | 1.024 | 23.685 | 14.693 |
| 10/15/2016 5:00:00 AM | 198000.000 | 7.115 | 16.489 |
| 16.027 | 42239.230 | 50438.770 | 33.200 |
| 34.298 | 1.024 | 23.675 | 14.697 |
| 10/15/2016 5:30:00 AM | 199800.000 | 7.119 | 16.466 |
| 16.037 | 42244.723 | 50471.766 | 33.223 |
| 34.321 | 1.024 | 23.672 | 14.701 |
| 10/15/2016 6:00:00 AM | 201600.000 | 7.130 | 16.468 |
| 16.060 | 42228.184 | 50449.480 | 33.207 |
| 34.306 | 1.024 | 23.681 | 14.700 |
| 10/15/2016 6:30:00 AM | 203400.000 | 7.128 | 16.461 |
| 16.057 | 42181.586 | 50401.586 | 33.171 |
| 34.273 | 1.024 | 23.707 | 14.707 |
| 10/15/2016 7:00:00 AM | 205200.000 | 7.142 | 16.468 |
| 16.088 | 42218.223 | 50437.285 | 33.198 |
| 34.297 | 1.024 | 23.686 | 14.705 |
| 10/15/2016 7:30:00 AM | 207000.000 | 7.152 | 16.464 |
| 16.111 | 42221.684 | 50446.258 | 33.204 |
| 34.303 | 1.024 | 23.685 | 14.700 |
| 10/15/2016 8:00:00 AM | 208800.000 | 7.119 | 16.486 |
| 16.037 | 42220.422 | 50419.941 | 33.186 |
| 34.286 | 1.024 | 23.685 | 14.703 |
| 10/15/2016 8:30:00 AM | 210600.000 | 7.105 | 16.479 |
| 16.005 | 42205.070 | 50409.160 | 33.178 |
| 34.278 | 1.024 | 23.694 | 14.698 |
| 10/15/2016 9:00:00 AM | 212400.000 | 7.097 | 16.485 |
| 15.988 | 42225.629 | 50426.871 | 33.191 |
| 34.290 | 1.024 | 23.682 | 14.704 |
| 10/15/2016 9:30:00 AM | 214200.000 | 7.086 | 16.488 |
| 15.961 | 42256.988 | 50461.387 | 33.217 |
| 34.314 | 1.024 | 23.665 | 14.705 |
| 10/15/2016 10:00:00 AM | 216000.000 | 7.110 | 16.486 |
| 16.015 | 42238.727 | 50441.703 | 33.202 |
| 34.300 | 1.024 | 23.675 | 14.711 |
| 10/15/2016 10:30:00 AM | 217800.000 | 7.094 | 16.467 |
| 15.980 | 42208.141 | 50426.648 | 33.190 |
| 34.290 | 1.024 | 23.692 | 14.712 |
| 10/15/2016 11:00:00 AM | 219600.000 | 7.113 | 16.484 |
| 16.022 | 42232.668 | 50436.883 | 33.198 |
| 34.297 | 1.024 | 23.678 | 14.709 |
| 10/15/2016 11:30:00 AM | 221400.000 | 7.103 | 16.480 |
| 16.000 | 42217.781 | 50423.535 | 33.188 |
| 34.288 | 1.024 | 23.687 | 14.703 |
| 10/15/2016 12:00:00 PM | 223200.000 | 7.105 | 16.460 |
| 16.004 | 42211.766 | 50439.660 | 33.199 |
| 34.299 | 1.024 | 23.690 | 14.698 |
| 10/15/2016 12:30:00 PM | 225000.000 | 7.108 | 16.499 |
| 16.011 | 42275.008 | 50469.488 | 33.223 |
| 34.319 | 1.024 | 23.655 | 14.693 |
| 10/15/2016 1:00:00 PM | 226800.000 | 7.098 | 16.517 |
| 15.988 | 42271.215 | 50444.496 | 33.206 |
| 34.302 | 1.024 | 23.657 | 14.689 |
| 10/15/2016 1:30:00 PM | 228600.000 | 7.101 | 16.534 |
| 15.996 | 42276.059 | 50431.234 | 33.198 |
| 34.293 | 1.024 | 23.654 | 14.677 |

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|---|---|---|---|
| 10/15/2016 2:00:00 PM | 230400.000 | 7.112 | 16.512 |
| 16.020 | 42262.348 | 50439.762 | 33.202 |
| 34.299 | 1.024 | 23.662 | 14.670 |
| 10/15/2016 2:30:00 PM | 232200.000 | 7.137 | 16.473 |
| 16.077 | 42258.801 | 50480.402 | 33.230 |
| 34.327 | 1.024 | 23.664 | 14.659 |
| 10/15/2016 3:00:00 PM | 234000.000 | 7.151 | 16.444 |
| 16.108 | 42188.277 | 50429.551 | 33.190 |
| 34.292 | 1.024 | 23.703 | 14.659 |
| 10/15/2016 3:30:00 PM | 235800.000 | 7.157 | 16.458 |
| 16.121 | 42199.668 | 50426.918 | 33.189 |
| 34.290 | 1.024 | 23.697 | 14.663 |
| 10/15/2016 4:00:00 PM | 237600.000 | 7.176 | 16.450 |
| 16.166 | 42186.668 | 50420.961 | 33.184 |
| 34.286 | 1.024 | 23.704 | 14.655 |
| 10/15/2016 4:30:00 PM | 239400.000 | 7.182 | 16.462 |
| 16.178 | 42198.090 | 50420.691 | 33.185 |
| 34.286 | 1.024 | 23.698 | 14.669 |
| 10/15/2016 5:00:00 PM | 241200.000 | 7.196 | 16.458 |
| 16.211 | 42188.238 | 50413.363 | 33.179 |
| 34.281 | 1.024 | 23.703 | 14.667 |
| 10/15/2016 5:30:00 PM | 243000.000 | 7.194 | 16.460 |
| 16.206 | 42197.977 | 50422.375 | 33.186 |
| 34.287 | 1.024 | 23.698 | 14.670 |
| 10/15/2016 6:00:00 PM | 244800.000 | 7.210 | 16.466 |
| 16.242 | 42204.070 | 50423.086 | 33.187 |
| 34.288 | 1.024 | 23.694 | 14.664 |
| 10/15/2016 6:30:00 PM | 246600.000 | 7.213 | 16.460 |
| 16.247 | 42205.414 | 50431.566 | 33.193 |
| 34.293 | 1.024 | 23.694 | 14.660 |
| 10/15/2016 7:00:00 PM | 248400.000 | 7.217 | 16.455 |
| 16.257 | 42189.430 | 50418.109 | 33.183 |
| 34.284 | 1.024 | 23.703 | 14.662 |
| 10/15/2016 7:30:00 PM | 250200.000 | 7.226 | 16.443 |
| 16.276 | 42189.906 | 50432.211 | 33.192 |
| 34.294 | 1.024 | 23.702 | 14.655 |
| 10/15/2016 8:00:00 PM | 252000.000 | 7.223 | 16.444 |
| 16.271 | 42180.965 | 50421.020 | 33.184 |
| 34.286 | 1.024 | 23.707 | 14.667 |
| 10/15/2016 8:30:00 PM | 253800.000 | 7.223 | 16.446 |
| 16.270 | 42197.684 | 50438.875 | 33.197 |
| 34.298 | 1.024 | 23.698 | 14.670 |
| 10/15/2016 9:00:00 PM | 255600.000 | 7.228 | 16.425 |
| 16.281 | 42185.395 | 50448.000 | 33.202 |
| 34.305 | 1.024 | 23.705 | 14.672 |
| 10/15/2016 9:30:00 PM | 257400.000 | 7.247 | 16.448 |
| 16.325 | 42217.645 | 50460.215 | 33.213 |
| 34.313 | 1.024 | 23.687 | 14.664 |
| 10/15/2016 10:00:00 PM | 259200.000 | 7.252 | 16.412 |
| 16.335 | 42173.266 | 50447.949 | 33.201 |
| 34.305 | 1.024 | 23.712 | 14.679 |
| 10/15/2016 10:30:00 PM | 261000.000 | 7.264 | 16.421 |
| 16.363 | 42189.059 | 50457.352 | 33.209 |
| 34.311 | 1.024 | 23.703 | 14.669 |
| 10/15/2016 11:00:00 PM | 262800.000 | 7.274 | 16.430 |

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| 16.386 | 42170.809 | 50425.012 | 33.186 |
| 34.289 | 1.024 | 23.713 | 14.670 |
| 10/15/2016 11:30:00 PM | 264600.000 | 7.277 | 16.434 |
| 16.393 | 42197.875 | 50452.641 | 33.206 |
| 34.308 | 1.024 | 23.698 | 14.675 |
| 10/16/2016 12:00:00 AM | 266400.000 | 7.294 | 16.411 |
| 16.430 | 42142.055 | 50412.133 | 33.175 |
| 34.280 | 1.024 | 23.729 | 14.678 |
| 10/16/2016 12:30:00 AM | 268200.000 | 7.303 | 16.408 |
| 16.451 | 42153.906 | 50429.238 | 33.187 |
| 34.292 | 1.024 | 23.723 | 14.681 |
| 10/16/2016 1:00:00 AM | 270000.000 | 7.314 | 16.413 |
| 16.476 | 42158.207 | 50429.137 | 33.188 |
| 34.292 | 1.024 | 23.720 | 14.683 |
| 10/16/2016 1:30:00 AM | 271800.000 | 7.327 | 16.402 |
| 16.505 | 42141.234 | 50421.762 | 33.182 |
| 34.287 | 1.024 | 23.730 | 14.682 |
| 10/16/2016 2:00:00 AM | 273600.000 | 7.337 | 16.406 |
| 16.527 | 42124.852 | 50397.320 | 33.164 |
| 34.270 | 1.024 | 23.739 | 14.686 |
| 10/16/2016 2:30:00 AM | 275400.000 | 7.350 | 16.408 |
| 16.557 | 42165.109 | 50442.844 | 33.197 |
| 34.301 | 1.024 | 23.716 | 14.682 |
| 10/16/2016 3:00:00 AM | 277200.000 | 7.363 | 16.385 |
| 16.586 | 42156.711 | 50459.398 | 33.208 |
| 34.312 | 1.024 | 23.721 | 14.678 |
| 10/16/2016 3:30:00 AM | 279000.000 | 7.381 | 16.380 |
| 16.626 | 42123.879 | 50425.852 | 33.183 |
| 34.290 | 1.024 | 23.740 | 14.673 |
| 10/16/2016 4:00:00 AM | 280800.000 | 7.386 | 16.482 |
| 16.638 | 42145.609 | 50335.129 | 33.123 |
| 34.228 | 1.024 | 23.727 | 14.674 |
| 10/16/2016 4:30:00 AM | 282600.000 | 7.401 | 16.381 |
| 16.671 | 42104.262 | 50401.453 | 33.165 |
| 34.273 | 1.024 | 23.751 | 14.668 |
| 10/16/2016 5:00:00 AM | 284400.000 | 7.403 | 16.358 |
| 16.677 | 42111.395 | 50436.289 | 33.189 |
| 34.297 | 1.024 | 23.747 | 14.672 |
| 10/16/2016 5:30:00 AM | 286200.000 | 7.412 | 16.363 |
| 16.696 | 42122.008 | 50443.426 | 33.195 |
| 34.302 | 1.024 | 23.741 | 14.669 |
| 10/16/2016 6:00:00 AM | 288000.000 | 7.416 | 16.368 |
| 16.704 | 42108.645 | 50421.363 | 33.179 |
| 34.287 | 1.024 | 23.748 | 14.669 |
| 10/16/2016 6:30:00 AM | 289800.000 | 7.420 | 16.362 |
| 16.714 | 42109.293 | 50429.523 | 33.184 |
| 34.292 | 1.024 | 23.748 | 14.668 |
| 10/16/2016 7:00:00 AM | 291600.000 | 7.424 | 16.356 |
| 16.724 | 42157.520 | 50493.656 | 33.231 |
| 34.336 | 1.024 | 23.721 | 14.667 |
| 10/16/2016 7:30:00 AM | 293400.000 | 7.432 | 16.359 |
| 16.741 | 42152.590 | 50484.613 | 33.225 |
| 34.330 | 1.024 | 23.723 | 14.669 |
| 10/16/2016 8:00:00 AM | 295200.000 | 7.440 | 16.353 |
| 16.760 | 42189.496 | 50536.234 | 33.262 |

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| 34.365 | 1.024 | 23.703 | 14.662 |
| 10/16/2016 8:30:00 AM | 297000.000 | 7.442 | 16.351 |
| 16.764 | 42218.539 | 50572.734 | 33.289 |
| 34.389 | 1.024 | 23.686 | 14.667 |
| 10/16/2016 9:00:00 AM | 298800.000 | 7.451 | 16.343 |
| 16.784 | 42204.348 | 50564.758 | 33.283 |
| 34.384 | 1.024 | 23.694 | 14.662 |
| 10/16/2016 9:30:00 AM | 300600.000 | 7.472 | 16.342 |
| 16.831 | 42254.766 | 50626.699 | 33.328 |
| 34.426 | 1.024 | 23.666 | 14.664 |
| 10/16/2016 10:00:00 AM | 302400.000 | 7.473 | 16.354 |
| 16.833 | 42251.152 | 50608.453 | 33.315 |
| 34.414 | 1.024 | 23.668 | 14.664 |
| 10/16/2016 10:30:00 AM | 304200.000 | 7.502 | 16.375 |
| 16.898 | 42256.309 | 50589.961 | 33.303 |
| 34.401 | 1.024 | 23.665 | 14.660 |
| 10/16/2016 11:00:00 AM | 306000.000 | 7.504 | 16.341 |
| 16.904 | 42239.500 | 50609.629 | 33.315 |
| 34.415 | 1.024 | 23.675 | 14.660 |
| 10/16/2016 11:30:00 AM | 307800.000 | 7.535 | 16.344 |
| 16.974 | 42238.762 | 50604.773 | 33.312 |
| 34.411 | 1.024 | 23.675 | 14.658 |
| 10/16/2016 12:00:00 PM | 309600.000 | 7.554 | 16.347 |
| 17.017 | 42316.051 | 50694.117 | 33.378 |
| 34.472 | 1.024 | 23.632 | 14.652 |
| 10/16/2016 12:30:00 PM | 311400.000 | 7.567 | 16.342 |
| 17.046 | 42366.766 | 50760.480 | 33.426 |
| 34.517 | 1.024 | 23.603 | 14.652 |
| 10/16/2016 1:00:00 PM | 313200.000 | 7.579 | 16.333 |
| 17.072 | 42350.598 | 50752.105 | 33.420 |
| 34.511 | 1.024 | 23.612 | 14.652 |
| 10/16/2016 1:30:00 PM | 315000.000 | 7.587 | 16.335 |
| 17.090 | 42370.348 | 50773.844 | 33.436 |
| 34.526 | 1.024 | 23.601 | 14.654 |
| 10/16/2016 2:00:00 PM | 316800.000 | 7.601 | 16.329 |
| 17.122 | 42384.930 | 50798.352 | 33.453 |
| 34.543 | 1.024 | 23.593 | 14.636 |
| 10/16/2016 2:30:00 PM | 318600.000 | 7.618 | 16.347 |
| 17.160 | 42367.859 | 50756.398 | 33.424 |
| 34.514 | 1.024 | 23.603 | 14.630 |
| 10/16/2016 3:00:00 PM | 320400.000 | 7.627 | 16.299 |
| 17.180 | 42325.824 | 50762.070 | 33.425 |
| 34.518 | 1.024 | 23.626 | 14.631 |
| 10/16/2016 3:30:00 PM | 322200.000 | 7.638 | 16.334 |
| 17.205 | 42383.820 | 50790.289 | 33.448 |
| 34.537 | 1.024 | 23.594 | 14.633 |
| 10/16/2016 4:00:00 PM | 324000.000 | 7.639 | 16.327 |
| 17.207 | 42374.242 | 50787.684 | 33.445 |
| 34.536 | 1.024 | 23.599 | 14.631 |
| 10/16/2016 4:30:00 PM | 325800.000 | 7.640 | 16.321 |
| 17.210 | 42361.727 | 50779.516 | 33.439 |
| 34.530 | 1.024 | 23.606 | 14.639 |
| 10/16/2016 5:00:00 PM | 327600.000 | 7.646 | 16.307 |
| 17.224 | 42348.234 | 50779.047 | 33.438 |
| 34.530 | 1.024 | 23.614 | 14.639 |

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|---|---|---|---|
| 10/16/2016 5:30:00 PM | 329400.000 | 7.639 | 16.321 |
| 17.209 | 42352.629 | 50768.914 | 33.431 |
| 34.523 | 1.024 | 23.611 | 14.652 |
| 10/16/2016 6:00:00 PM | 331200.000 | 7.649 | 16.312 |
| 17.231 | 42369.090 | 50798.336 | 33.452 |
| 34.543 | 1.024 | 23.602 | 14.649 |
| 10/16/2016 6:30:00 PM | 333000.000 | 7.643 | 16.300 |
| 17.216 | 42366.988 | 50809.688 | 33.460 |
| 34.551 | 1.024 | 23.603 | 14.652 |
| 10/16/2016 7:00:00 PM | 334800.000 | 7.637 | 16.304 |
| 17.204 | 42333.652 | 50765.230 | 33.427 |
| 34.520 | 1.024 | 23.622 | 14.657 |
| 10/16/2016 7:30:00 PM | 336600.000 | 7.638 | 16.318 |
| 17.205 | 42334.047 | 50750.000 | 33.417 |
| 34.510 | 1.024 | 23.622 | 14.656 |
| 10/16/2016 8:00:00 PM | 338400.000 | 7.638 | 16.310 |
| 17.206 | 42326.613 | 50750.574 | 33.417 |
| 34.510 | 1.024 | 23.626 | 14.652 |
| 10/16/2016 8:30:00 PM | 340200.000 | 7.629 | 16.327 |
| 17.186 | 42385.230 | 50800.547 | 33.455 |
| 34.544 | 1.024 | 23.593 | 14.661 |
| 10/16/2016 9:00:00 PM | 342000.000 | 7.631 | 16.331 |
| 17.189 | 42365.180 | 50771.816 | 33.434 |
| 34.525 | 1.024 | 23.604 | 14.661 |
| 10/16/2016 9:30:00 PM | 343800.000 | 7.628 | 16.329 |
| 17.184 | 42353.590 | 50760.488 | 33.425 |
| 34.517 | 1.024 | 23.611 | 14.662 |
| 10/16/2016 10:00:00 PM | 345600.000 | 7.623 | 16.331 |
| 17.172 | 42357.313 | 50762.504 | 33.427 |
| 34.519 | 1.024 | 23.609 | 14.672 |
| 10/16/2016 10:30:00 PM | 347400.000 | 7.635 | 16.346 |
| 17.200 | 42377.574 | 50768.848 | 33.433 |
| 34.523 | 1.024 | 23.597 | 14.664 |
| 10/16/2016 11:00:00 PM | 349200.000 | 7.629 | 16.328 |
| 17.186 | 42373.527 | 50784.793 | 33.443 |
| 34.534 | 1.024 | 23.600 | 14.677 |
| 10/16/2016 11:30:00 PM | 351000.000 | 7.630 | 16.333 |
| 17.188 | 42385.430 | 50794.258 | 33.451 |
| 34.540 | 1.024 | 23.593 | 14.682 |
| 10/17/2016 12:00:00 AM | 352800.000 | 7.632 | 16.336 |
| 17.192 | 42361.828 | 50762.004 | 33.427 |
| 34.518 | 1.024 | 23.606 | 14.680 |
| 10/17/2016 12:30:00 AM | 354600.000 | 7.644 | 16.344 |
| 17.218 | 42367.824 | 50760.219 | 33.426 |
| 34.517 | 1.024 | 23.603 | 14.687 |
| 10/17/2016 1:00:00 AM | 356400.000 | 7.642 | 16.344 |
| 17.214 | 42396.422 | 50793.664 | 33.451 |
| 34.540 | 1.024 | 23.587 | 14.700 |
| 10/17/2016 1:30:00 AM | 358200.000 | 7.645 | 16.325 |
| 17.221 | 42372.730 | 50788.016 | 33.445 |
| 34.536 | 1.024 | 23.600 | 14.701 |
| 10/17/2016 2:00:00 AM | 360000.000 | 7.654 | 16.324 |
| 17.241 | 42363.586 | 50777.766 | 33.438 |
| 34.529 | 1.024 | 23.605 | 14.707 |
| 10/17/2016 2:30:00 AM | 361800.000 | 7.651 | 16.338 |

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|---|---|---|---|
| 17.235 | 42390.277 | 50793.449 | 33.450 |
| 34.540 | 1.024 | 23.590 | 14.709 |
| 10/17/2016 3:00:00 AM | 363600.000 | 7.658 | 16.340 |
| 17.251 | 42350.559 | 50743.410 | 33.414 |
| 34.506 | 1.024 | 23.612 | 14.709 |
| 10/17/2016 3:30:00 AM | 365400.000 | 7.659 | 16.329 |
| 17.253 | 42377.105 | 50788.051 | 33.446 |
| 34.536 | 1.024 | 23.598 | 14.710 |
| 10/17/2016 4:00:00 AM | 367200.000 | 7.667 | 16.319 |
| 17.270 | 42364.523 | 50784.594 | 33.443 |
| 34.534 | 1.024 | 23.605 | 14.709 |
| 10/17/2016 4:30:00 AM | 369000.000 | 7.663 | 16.335 |
| 17.262 | 42391.883 | 50799.543 | 33.455 |
| 34.544 | 1.024 | 23.589 | 14.713 |
| 10/17/2016 5:00:00 AM | 370800.000 | 7.658 | 16.337 |
| 17.251 | 42343.555 | 50738.477 | 33.410 |
| 34.502 | 1.024 | 23.616 | 14.721 |
| 10/17/2016 5:30:00 AM | 372600.000 | 7.661 | 16.349 |
| 17.257 | 42382.449 | 50771.117 | 33.435 |
| 34.524 | 1.024 | 23.595 | 14.724 |
| 10/17/2016 6:00:00 AM | 374400.000 | 7.660 | 16.317 |
| 17.256 | 42352.016 | 50772.859 | 33.434 |
| 34.526 | 1.024 | 23.612 | 14.726 |
| 10/17/2016 6:30:00 AM | 376200.000 | 7.664 | 16.334 |
| 17.264 | 42395.148 | 50804.684 | 33.458 |
| 34.547 | 1.024 | 23.588 | 14.729 |
| 10/17/2016 7:00:00 AM | 378000.000 | 7.658 | 16.328 |
| 17.251 | 42341.949 | 50747.656 | 33.416 |
| 34.508 | 1.024 | 23.617 | 14.731 |
| 10/17/2016 7:30:00 AM | 379800.000 | 7.652 | 16.338 |
| 17.238 | 42341.891 | 50735.355 | 33.408 |
| 34.500 | 1.024 | 23.617 | 14.736 |
| 10/17/2016 8:00:00 AM | 381600.000 | 7.637 | 16.337 |
| 17.204 | 42346.117 | 50741.848 | 33.412 |
| 34.504 | 1.024 | 23.615 | 14.745 |
| 10/17/2016 8:30:00 AM | 383400.000 | 7.614 | 16.325 |
| 17.150 | 42361.852 | 50774.668 | 33.436 |
| 34.527 | 1.024 | 23.606 | 14.750 |
| 10/17/2016 9:00:00 AM | 385200.000 | 7.585 | 16.339 |
| 17.087 | 42358.773 | 50755.285 | 33.422 |
| 34.514 | 1.024 | 23.608 | 14.757 |
| 10/17/2016 9:30:00 AM | 387000.000 | 7.571 | 16.333 |
| 17.054 | 42369.441 | 50774.594 | 33.436 |
| 34.527 | 1.024 | 23.602 | 14.755 |
| 10/17/2016 10:00:00 AM | 388800.000 | 7.546 | 16.307 |
| 16.999 | 42286.656 | 50705.402 | 33.383 |
| 34.480 | 1.024 | 23.648 | 14.758 |
| 10/17/2016 10:30:00 AM | 390600.000 | 7.535 | 16.317 |
| 16.973 | 42268.934 | 50672.859 | 33.360 |
| 34.458 | 1.024 | 23.658 | 14.761 |
| 10/17/2016 11:00:00 AM | 392400.000 | 7.522 | 16.321 |
| 16.944 | 42239.480 | 50632.977 | 33.331 |
| 34.430 | 1.024 | 23.675 | 14.757 |
| 10/17/2016 11:30:00 AM | 394200.000 | 7.507 | 16.341 |
| 16.909 | 42248.238 | 50620.699 | 33.323 |

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|---|---|---|---|
| 34.422 | 1.024 | 23.670 | 14.767 |
| 10/17/2016 12:00:00 PM | 396000.000 | 7.508 | 16.316 |
| 16.912 | 42226.563 | 50623.180 | 33.324 |
| 34.424 | 1.024 | 23.682 | 14.766 |
| 10/17/2016 12:30:00 PM | 397800.000 | 7.504 | 16.301 |
| 16.904 | 42174.609 | 50578.063 | 33.289 |
| 34.393 | 1.024 | 23.711 | 14.761 |
| 10/17/2016 1:00:00 PM | 399600.000 | 7.500 | 16.311 |
| 16.895 | 42217.211 | 50618.176 | 33.319 |
| 34.420 | 1.024 | 23.687 | 14.761 |
| 10/17/2016 1:30:00 PM | 401400.000 | 7.519 | 16.296 |
| 16.937 | 42198.477 | 50613.102 | 33.315 |
| 34.417 | 1.024 | 23.698 | 14.755 |
| 10/17/2016 2:00:00 PM | 403200.000 | 7.494 | 16.286 |
| 16.880 | 42176.074 | 50597.816 | 33.303 |
| 34.407 | 1.024 | 23.710 | 14.751 |
| 10/17/2016 2:30:00 PM | 405000.000 | 7.498 | 16.261 |
| 16.891 | 42162.605 | 50610.746 | 33.310 |
| 34.415 | 1.024 | 23.718 | 14.755 |
| 10/17/2016 3:00:00 PM | 406800.000 | 7.487 | 16.264 |
| 16.865 | 42154.832 | 50597.258 | 33.301 |
| 34.406 | 1.024 | 23.722 | 14.748 |
| 10/17/2016 3:30:00 PM | 408600.000 | 7.486 | 16.254 |
| 16.862 | 42174.551 | 50632.633 | 33.326 |
| 34.430 | 1.024 | 23.711 | 14.744 |
| 10/17/2016 4:00:00 PM | 410400.000 | 7.482 | 16.263 |
| 16.854 | 42173.555 | 50621.156 | 33.318 |
| 34.422 | 1.024 | 23.712 | 14.747 |
| 10/17/2016 4:30:00 PM | 412200.000 | 7.462 | 16.264 |
| 16.809 | 42156.879 | 50599.609 | 33.303 |
| 34.408 | 1.024 | 23.721 | 14.747 |
| 10/17/2016 5:00:00 PM | 414000.000 | 7.452 | 16.271 |
| 16.787 | 42186.305 | 50627.082 | 33.323 |
| 34.426 | 1.024 | 23.704 | 14.746 |
| 10/17/2016 5:30:00 PM | 415800.000 | 7.440 | 16.231 |
| 16.759 | 42141.039 | 50619.492 | 33.315 |
| 34.421 | 1.024 | 23.730 | 14.742 |
| 10/17/2016 6:00:00 PM | 417600.000 | 7.438 | 16.222 |
| 16.755 | 42137.633 | 50625.996 | 33.319 |
| 34.426 | 1.024 | 23.732 | 14.743 |
| 10/17/2016 6:30:00 PM | 419400.000 | 7.445 | 16.224 |
| 16.770 | 42110.293 | 50590.805 | 33.293 |
| 34.402 | 1.024 | 23.747 | 14.742 |
| 10/17/2016 7:00:00 PM | 421200.000 | 7.451 | 16.221 |
| 16.784 | 42133.672 | 50621.637 | 33.316 |
| 34.423 | 1.024 | 23.734 | 14.742 |
| 10/17/2016 7:30:00 PM | 423000.000 | 7.453 | 16.249 |
| 16.790 | 42147.742 | 50606.453 | 33.306 |
| 34.412 | 1.024 | 23.726 | 14.750 |
| 10/17/2016 8:00:00 PM | 424800.000 | 7.454 | 16.254 |
| 16.791 | 42137.305 | 50587.512 | 33.293 |
| 34.400 | 1.024 | 23.732 | 14.756 |
| 10/17/2016 8:30:00 PM | 426600.000 | 7.467 | 16.284 |
| 16.819 | 42190.672 | 50616.648 | 33.317 |
| 34.419 | 1.024 | 23.702 | 14.749 |

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|---|---|---|---|
| 10/17/2016 9:00:00 PM | 428400.000 | 7.460 | 16.273 |
| 16.804 | 42175.742 | 50612.066 | 33.312 |
| 34.416 | 1.024 | 23.710 | 14.761 |
| 10/17/2016 9:30:00 PM | 430200.000 | 7.456 | 16.294 |
| 16.794 | 42168.953 | 50579.199 | 33.290 |
| 34.394 | 1.024 | 23.714 | 14.764 |
| 10/17/2016 10:00:00 PM | 432000.000 | 7.462 | 16.294 |
| 16.809 | 42166.516 | 50576.590 | 33.288 |
| 34.392 | 1.024 | 23.715 | 14.763 |
| 10/17/2016 10:30:00 PM | 433800.000 | 7.462 | 16.321 |
| 16.810 | 42222.621 | 50612.770 | 33.316 |
| 34.417 | 1.024 | 23.684 | 14.766 |
| 10/17/2016 11:00:00 PM | 435600.000 | 7.470 | 16.361 |
| 16.826 | 42260.520 | 50611.238 | 33.318 |
| 34.416 | 1.024 | 23.663 | 14.769 |
| 10/17/2016 11:30:00 PM | 437400.000 | 7.466 | 16.355 |
| 16.817 | 42243.344 | 50598.289 | 33.308 |
| 34.407 | 1.024 | 23.672 | 14.775 |
| 10/18/2016 12:00:00 AM | 439200.000 | 7.471 | 16.332 |
| 16.829 | 42239.754 | 50619.879 | 33.322 |
| 34.422 | 1.024 | 23.674 | 14.778 |
| 10/18/2016 12:30:00 AM | 441000.000 | 7.477 | 16.365 |
| 16.842 | 42288.637 | 50640.344 | 33.340 |
| 34.435 | 1.024 | 23.647 | 14.782 |
| 10/18/2016 1:00:00 AM | 442800.000 | 7.483 | 16.346 |
| 16.856 | 42240.199 | 50604.980 | 33.312 |
| 34.411 | 1.024 | 23.674 | 14.784 |
| 10/18/2016 1:30:00 AM | 444600.000 | 7.489 | 16.351 |
| 16.869 | 42243.176 | 50602.656 | 33.311 |
| 34.410 | 1.024 | 23.672 | 14.786 |
| 10/18/2016 2:00:00 AM | 446400.000 | 7.501 | 16.321 |
| 16.896 | 42172.113 | 50551.813 | 33.271 |
| 34.375 | 1.024 | 23.712 | 14.784 |
| 10/18/2016 2:30:00 AM | 448200.000 | 7.508 | 16.318 |
| 16.913 | 42237.715 | 50634.719 | 33.332 |
| 34.432 | 1.024 | 23.676 | 14.787 |
| 10/18/2016 3:00:00 AM | 450000.000 | 7.516 | 16.309 |
| 16.930 | 42209.941 | 50610.883 | 33.314 |
| 34.415 | 1.024 | 23.691 | 14.787 |
| 10/18/2016 3:30:00 AM | 451800.000 | 7.523 | 16.308 |
| 16.947 | 42211.090 | 50614.285 | 33.316 |
| 34.418 | 1.024 | 23.690 | 14.784 |
| 10/18/2016 4:00:00 AM | 453600.000 | 7.530 | 16.330 |
| 16.962 | 42227.277 | 50607.672 | 33.313 |
| 34.413 | 1.024 | 23.681 | 14.781 |
| 10/18/2016 4:30:00 AM | 455400.000 | 7.531 | 16.333 |
| 16.964 | 42201.625 | 50573.281 | 33.288 |
| 34.390 | 1.024 | 23.696 | 14.785 |
| 10/18/2016 5:00:00 AM | 457200.000 | 7.534 | 16.348 |
| 16.972 | 42210.359 | 50566.590 | 33.284 |
| 34.385 | 1.024 | 23.691 | 14.786 |
| 10/18/2016 5:30:00 AM | 459000.000 | 7.536 | 16.347 |
| 16.976 | 42259.625 | 50626.734 | 33.328 |
| 34.426 | 1.024 | 23.663 | 14.789 |
| 10/18/2016 6:00:00 AM | 460800.000 | 7.543 | 16.360 |

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|---|---|---|---|
| 16.992 | 42252.496 | 50603.563 | 33.312 |
| 34.410 | 1.024 | 23.667 | 14.794 |
| 10/18/2016 6:30:00 AM | 462600.000 | 7.545 | 16.370 |
| 16.996 | 42261.508 | 50602.180 | 33.312 |
| 34.409 | 1.024 | 23.662 | 14.799 |
| 10/18/2016 7:00:00 AM | 464400.000 | 7.545 | 16.368 |
| 16.996 | 42273.121 | 50618.813 | 33.324 |
| 34.421 | 1.024 | 23.656 | 14.802 |
| 10/18/2016 7:30:00 AM | 466200.000 | 7.552 | 16.395 |
| 17.011 | 42319.418 | 50642.781 | 33.344 |
| 34.437 | 1.024 | 23.630 | 14.801 |
| 10/18/2016 8:00:00 AM | 468000.000 | 7.553 | 16.433 |
| 17.015 | 42366.672 | 50655.773 | 33.356 |
| 34.446 | 1.024 | 23.603 | 14.806 |
| 10/18/2016 8:30:00 AM | 469800.000 | 7.541 | 16.465 |
| 16.987 | 42395.016 | 50652.453 | 33.356 |
| 34.444 | 1.024 | 23.588 | 14.820 |
| 10/18/2016 9:00:00 AM | 471600.000 | 7.554 | 16.494 |
| 17.016 | 42444.320 | 50677.082 | 33.376 |
| 34.460 | 1.024 | 23.560 | 14.809 |
| 10/18/2016 9:30:00 AM | 473400.000 | 7.549 | 16.521 |
| 17.004 | 42440.125 | 50640.988 | 33.351 |
| 34.436 | 1.024 | 23.563 | 14.820 |
| 10/18/2016 10:00:00 AM | 475200.000 | 7.555 | 16.552 |
| 17.018 | 42438.457 | 50603.133 | 33.325 |
| 34.410 | 1.024 | 23.564 | 14.819 |
| 10/18/2016 10:30:00 AM | 477000.000 | 7.528 | 16.564 |
| 16.958 | 42463.008 | 50619.574 | 33.338 |
| 34.421 | 1.024 | 23.550 | 14.821 |
| 10/18/2016 11:00:00 AM | 478800.000 | 7.503 | 16.552 |
| 16.902 | 42479.480 | 50652.555 | 33.362 |
| 34.444 | 1.024 | 23.541 | 14.826 |
| 10/18/2016 11:30:00 AM | 480600.000 | 7.503 | 16.566 |
| 16.902 | 42439.840 | 50589.641 | 33.316 |
| 34.401 | 1.024 | 23.563 | 14.817 |
| 10/18/2016 12:00:00 PM | 482400.000 | 7.493 | 16.566 |
| 16.878 | 42469.828 | 50624.961 | 33.342 |
| 34.425 | 1.024 | 23.546 | 14.818 |
| 10/18/2016 12:30:00 PM | 484200.000 | 7.481 | 16.541 |
| 16.851 | 42426.711 | 50602.141 | 33.324 |
| 34.409 | 1.024 | 23.570 | 14.821 |
| 10/18/2016 1:00:00 PM | 486000.000 | 7.497 | 16.554 |
| 16.888 | 42455.918 | 50621.934 | 33.339 |
| 34.423 | 1.024 | 23.554 | 14.802 |
| 10/18/2016 1:30:00 PM | 487800.000 | 7.481 | 16.539 |
| 16.852 | 42443.531 | 50624.441 | 33.340 |
| 34.425 | 1.024 | 23.561 | 14.804 |
| 10/18/2016 2:00:00 PM | 489600.000 | 7.481 | 16.512 |
| 16.851 | 42392.508 | 50594.594 | 33.316 |
| 34.404 | 1.024 | 23.589 | 14.798 |
| 10/18/2016 2:30:00 PM | 491400.000 | 7.471 | 16.484 |
| 16.830 | 42342.695 | 50568.379 | 33.295 |
| 34.386 | 1.024 | 23.617 | 14.796 |
| 10/18/2016 3:00:00 PM | 493200.000 | 7.468 | 16.489 |
| 16.823 | 42379.105 | 50605.594 | 33.323 |

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| 34.412 | 1.024 | 23.597 | 14.782 |
| 10/18/2016 3:30:00 PM | 495000.000 | 7.463 | 16.494 |
| 16.810 | 42336.148 | 50548.641 | 33.281 |
| 34.373 | 1.024 | 23.620 | 14.783 |
| 10/18/2016 4:00:00 PM | 496800.000 | 7.456 | 16.466 |
| 16.795 | 42344.414 | 50590.172 | 33.310 |
| 34.401 | 1.024 | 23.616 | 14.776 |
| 10/18/2016 4:30:00 PM | 498600.000 | 7.455 | 16.443 |
| 16.794 | 42332.086 | 50602.563 | 33.317 |
| 34.410 | 1.024 | 23.623 | 14.772 |
| 10/18/2016 5:00:00 PM | 500400.000 | 7.441 | 16.435 |
| 16.762 | 42286.570 | 50557.477 | 33.284 |
| 34.379 | 1.024 | 23.648 | 14.772 |
| 10/18/2016 5:30:00 PM | 502200.000 | 7.420 | 16.419 |
| 16.715 | 42314.945 | 50609.434 | 33.321 |
| 34.414 | 1.024 | 23.632 | 14.778 |
| 10/18/2016 6:00:00 PM | 504000.000 | 7.422 | 16.395 |
| 16.718 | 42279.492 | 50595.504 | 33.309 |
| 34.405 | 1.024 | 23.652 | 14.783 |
| 10/18/2016 6:30:00 PM | 505800.000 | 7.445 | 16.403 |
| 16.770 | 42314.918 | 50628.055 | 33.333 |
| 34.427 | 1.024 | 23.632 | 14.777 |
| 10/18/2016 7:00:00 PM | 507600.000 | 7.441 | 16.400 |
| 16.761 | 42234.820 | 50535.262 | 33.265 |
| 34.364 | 1.024 | 23.677 | 14.782 |
| 10/18/2016 7:30:00 PM | 509400.000 | 7.437 | 16.398 |
| 16.753 | 42291.652 | 50606.500 | 33.317 |
| 34.412 | 1.024 | 23.645 | 14.793 |
| 10/18/2016 8:00:00 PM | 511200.000 | 7.445 | 16.400 |
| 16.770 | 42301.902 | 50616.031 | 33.324 |
| 34.419 | 1.024 | 23.640 | 14.796 |
| 10/18/2016 8:30:00 PM | 513000.000 | 7.445 | 16.440 |
| 16.771 | 42336.961 | 50611.734 | 33.324 |
| 34.416 | 1.024 | 23.620 | 14.799 |
| 10/18/2016 9:00:00 PM | 514800.000 | 7.448 | 16.463 |
| 16.777 | 42334.414 | 50581.652 | 33.303 |
| 34.396 | 1.024 | 23.621 | 14.795 |
| 10/18/2016 9:30:00 PM | 516600.000 | 7.450 | 16.504 |
| 16.783 | 42386.039 | 50596.785 | 33.317 |
| 34.406 | 1.024 | 23.593 | 14.799 |
| 10/18/2016 10:00:00 PM | 518400.000 | 7.441 | 16.540 |
| 16.762 | 42402.047 | 50573.945 | 33.303 |
| 34.390 | 1.024 | 23.584 | 14.808 |
| 10/18/2016 10:30:00 PM | 520200.000 | 7.441 | 16.582 |
| 16.761 | 42438.070 | 50568.652 | 33.302 |
| 34.387 | 1.024 | 23.564 | 14.807 |
| 10/18/2016 11:00:00 PM | 522000.000 | 7.442 | 16.620 |
| 16.763 | 42508.176 | 50608.594 | 33.334 |
| 34.414 | 1.024 | 23.525 | 14.805 |
| 10/18/2016 11:30:00 PM | 523800.000 | 7.441 | 16.611 |
| 16.761 | 42466.254 | 50568.859 | 33.304 |
| 34.387 | 1.024 | 23.548 | 14.807 |
| 10/19/2016 12:00:00 AM | 525600.000 | 7.441 | 16.635 |
| 16.762 | 42487.523 | 50566.383 | 33.304 |
| 34.385 | 1.024 | 23.536 | 14.806 |

10/19/2016 12:30:00 AM 527400.000 7.437 16.625
16.752 42494.039 50586.227 33.318
34.399 1.024 23.533 14.808
10/19/2016 1:00:00 AM 529200.000 7.437 16.645
16.754 42478.711 50544.621 33.289
34.370 1.024 23.541 14.808
10/19/2016 1:30:00 AM 531000.000 7.440 16.663
16.759 42532.457 50587.422 33.322
34.399 1.024 23.511 14.805
10/19/2016 2:00:00 AM 532800.000 7.440 16.671
16.760 42506.324 50547.180 33.292
34.372 1.024 23.526 14.808
10/19/2016 2:30:00 AM 534600.000 7.444 16.660
16.768 42524.152 50581.563 33.317
34.395 1.024 23.516 14.812
10/19/2016 3:00:00 AM 536400.000 7.444 16.637
16.769 42525.543 50609.621 33.336
34.415 1.024 23.515 14.813
10/19/2016 3:30:00 AM 538200.000 7.453 16.601
16.790 42467.766 50582.656 33.314
34.396 1.024 23.547 14.806
10/19/2016 4:00:00 AM 540000.000 7.451 16.603
16.785 42475.645 50588.820 33.318
34.400 1.024 23.543 14.809
10/19/2016 4:30:00 AM 541800.000 7.464 16.600
16.812 42460.527 50574.242 33.307
34.390 1.024 23.551 14.799
10/19/2016 5:00:00 AM 543600.000 7.466 16.599
16.818 42499.676 50622.891 33.343
34.424 1.024 23.530 14.800
10/19/2016 5:30:00 AM 545400.000 7.462 16.605
16.809 42489.273 50602.938 33.329
34.410 1.024 23.535 14.804
10/19/2016 6:00:00 AM 547200.000 7.457 16.627
16.798 42520.750 50615.492 33.340
34.419 1.024 23.518 14.810
10/19/2016 6:30:00 AM 549000.000 7.459 16.660
16.802 42500.344 50553.152 33.296
34.376 1.024 23.529 14.809
10/19/2016 7:00:00 AM 550800.000 7.468 16.676
16.823 42543.887 50586.609 33.322
34.399 1.024 23.505 14.802
10/19/2016 7:30:00 AM 552600.000 7.463 16.714
16.812 42575.090 50579.852 33.319
34.394 1.024 23.488 14.810
10/19/2016 8:00:00 AM 554400.000 7.462 16.715
16.809 42565.555 50567.020 33.310
34.386 1.024 23.493 14.812
10/19/2016 8:30:00 AM 556200.000 7.459 16.769
16.801 42606.168 50554.090 33.304
34.377 1.024 23.471 14.816
10/19/2016 9:00:00 AM 558000.000 7.452 16.788
16.786 42650.066 50584.488 33.328
34.397 1.024 23.447 14.824
10/19/2016 9:30:00 AM 559800.000 7.457 16.764

| | | | |
|---|---|---|---|
| 16.798 | 42586.078 | 50535.969 | 33.290 |
| 34.364 | 1.024 | 23.482 | 14.820 |
| 10/19/2016 10:00:00 AM | 561600.000 | 7.462 | 16.763 |
| 16.808 | 42651.117 | 50614.559 | 33.348 |
| 34.418 | 1.024 | 23.446 | 14.821 |
| 10/19/2016 10:30:00 AM | 563400.000 | 7.429 | 16.733 |
| 16.735 | 42609.355 | 50599.355 | 33.335 |
| 34.408 | 1.024 | 23.469 | 14.820 |
| 10/19/2016 11:00:00 AM | 565200.000 | 7.409 | 16.764 |
| 16.690 | 42595.426 | 50546.648 | 33.298 |
| 34.372 | 1.024 | 23.477 | 14.816 |
| 10/19/2016 11:30:00 AM | 567000.000 | 7.393 | 16.788 |
| 16.655 | 42597.180 | 50520.957 | 33.281 |
| 34.354 | 1.024 | 23.476 | 14.813 |
| 10/19/2016 12:00:00 PM | 568800.000 | 7.374 | 16.728 |
| 16.612 | 42554.176 | 50539.344 | 33.291 |
| 34.367 | 1.024 | 23.499 | 14.806 |
| 10/19/2016 12:30:00 PM | 570600.000 | 7.365 | 16.736 |
| 16.590 | 42516.047 | 50485.227 | 33.251 |
| 34.330 | 1.024 | 23.521 | 14.800 |
| 10/19/2016 1:00:00 PM | 572400.000 | 7.362 | 16.739 |
| 16.584 | 42527.895 | 50495.180 | 33.259 |
| 34.337 | 1.024 | 23.514 | 14.794 |
| 10/19/2016 1:30:00 PM | 574200.000 | 7.350 | 16.705 |
| 16.557 | 42487.422 | 50485.629 | 33.249 |
| 34.330 | 1.024 | 23.536 | 14.792 |
| 10/19/2016 2:00:00 PM | 576000.000 | 7.345 | 16.674 |
| 16.545 | 42421.742 | 50443.578 | 33.216 |
| 34.302 | 1.024 | 23.573 | 14.793 |
| 10/19/2016 2:30:00 PM | 577800.000 | 7.335 | 16.683 |
| 16.523 | 42477.273 | 50498.980 | 33.258 |
| 34.339 | 1.024 | 23.542 | 14.786 |
| 10/19/2016 3:00:00 PM | 579600.000 | 7.329 | 16.664 |
| 16.509 | 42422.414 | 50456.234 | 33.225 |
| 34.310 | 1.024 | 23.572 | 14.786 |
| 10/19/2016 3:30:00 PM | 581400.000 | 7.314 | 16.670 |
| 16.475 | 42423.531 | 50450.539 | 33.221 |
| 34.306 | 1.024 | 23.572 | 14.783 |
| 10/19/2016 4:00:00 PM | 583200.000 | 7.309 | 16.668 |
| 16.464 | 42395.109 | 50419.043 | 33.198 |
| 34.285 | 1.024 | 23.588 | 14.778 |
| 10/19/2016 4:30:00 PM | 585000.000 | 7.287 | 16.685 |
| 16.415 | 42350.984 | 50346.820 | 33.146 |
| 34.236 | 1.024 | 23.612 | 14.783 |
| 10/19/2016 5:00:00 PM | 586800.000 | 7.280 | 16.673 |
| 16.399 | 42381.949 | 50397.180 | 33.182 |
| 34.270 | 1.024 | 23.595 | 14.780 |
| 10/19/2016 5:30:00 PM | 588600.000 | 7.262 | 16.660 |
| 16.358 | 42342.250 | 50364.695 | 33.157 |
| 34.248 | 1.024 | 23.617 | 14.777 |
| 10/19/2016 6:00:00 PM | 590400.000 | 7.265 | 16.678 |
| 16.365 | 42375.637 | 50383.859 | 33.173 |
| 34.261 | 1.024 | 23.598 | 14.779 |
| 10/19/2016 6:30:00 PM | 592200.000 | 7.282 | 16.659 |
| 16.403 | 42335.988 | 50358.949 | 33.153 |

| | | | |
|---|---|---|---|
| 34.244 | 1.024 | 23.621 | 14.774 |
| 10/19/2016 7:00:00 PM | 594000.000 | 7.285 | 16.630 |
| 16.410 | 42348.281 | 50406.484 | 33.186 |
| 34.276 | 1.024 | 23.614 | 14.776 |
| 10/19/2016 7:30:00 PM | 595800.000 | 7.285 | 16.668 |
| 16.411 | 42364.887 | 50383.402 | 33.172 |
| 34.261 | 1.024 | 23.604 | 14.782 |
| 10/19/2016 8:00:00 PM | 597600.000 | 7.288 | 16.691 |
| 16.417 | 42409.379 | 50409.027 | 33.192 |
| 34.278 | 1.024 | 23.580 | 14.783 |
| 10/19/2016 8:30:00 PM | 599400.000 | 7.288 | 16.713 |
| 16.416 | 42441.238 | 50421.828 | 33.203 |
| 34.287 | 1.024 | 23.562 | 14.785 |
| 10/19/2016 9:00:00 PM | 601200.000 | 7.291 | 16.761 |
| 16.425 | 42487.723 | 50422.355 | 33.207 |
| 34.287 | 1.024 | 23.536 | 14.786 |
| 10/19/2016 9:30:00 PM | 603000.000 | 7.287 | 16.766 |
| 16.415 | 42479.250 | 50406.891 | 33.196 |
| 34.277 | 1.024 | 23.541 | 14.792 |
| 10/19/2016 10:00:00 PM | 604800.000 | 7.291 | 16.725 |
| 16.423 | 42434.320 | 50399.992 | 33.188 |
| 34.272 | 1.024 | 23.566 | 14.790 |
| 10/19/2016 10:30:00 PM | 606600.000 | 7.288 | 16.762 |
| 16.418 | 42474.371 | 50406.004 | 33.195 |
| 34.276 | 1.024 | 23.544 | 14.790 |
| 10/19/2016 11:00:00 PM | 608400.000 | 7.283 | 16.775 |
| 16.405 | 42460.914 | 50374.234 | 33.172 |
| 34.254 | 1.024 | 23.551 | 14.794 |
| 10/19/2016 11:30:00 PM | 610200.000 | 7.285 | 16.769 |
| 16.411 | 42498.207 | 50425.988 | 33.210 |
| 34.290 | 1.024 | 23.530 | 14.792 |

Report Date: 10/21/2016 8:26:34 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP TSW Trans 2_2016-10-20_09-33-06-738.wsl
Create Date: 10/20/2016 9:32:44 AM

Device Properties:
Device: Aqua TROLL 200
Site: MPWSP TSW Trans 2
Device Name:
Serial Number: 396433
Firmware Version: 2.00
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 15
Used Battery(%): 2

Log Configuration
Log Name: MPWSP TSW Trans 2
Created By: ECrowWillard
Computer Name: NOTEBOOK02
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 4/9/2015 2:02:44 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 4/9/2015 2:15:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: 58.3934 (ft)
Head Pressure: 25.9227 (PSI)
Temperature: 17.0478 (C)

Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191

TDS Factor: 0.68

---

Log Notes:

| Date and Time | Note |
|---|---|
| 4/9/2015 2:02:54 PM | Used Battery: 2% Used Memory: 18% User Name: ECrowWillard |
| 4/10/2015 1:07:33 PM | Log Download - Used Battery: 2% Used Memory: 18% User Name: ECrowWillard |
| 4/17/2015 12:57:42 PM | Log Download - Used Battery: 2% Used Memory: 18% User Name: AKieta |
| 4/24/2015 10:48:17 AM | Log Download - Used Battery: 2% Used Memory: 20% User Name: ECrowWillard |
| 5/1/2015 2:10:18 PM | Log Download - Used Battery: 2% Used Memory: 20% User Name: GSSI |
| 5/7/2015 7:03:25 AM | Log Download - Used Battery: 2% Used Memory: 21% User Name: ECrowWillard |
| 5/15/2015 12:45:18 PM | Log Download - Used Battery: 2% Used Memory: 21% User Name: BDuarte |
| 5/19/2015 3:05:28 PM | Log Download - Used Battery: 2% Used Memory: 21% User Name: CShaw |
| 5/19/2015 3:12:05 PM | Log Download - Used Battery: 2% Used Memory: 21% User Name: CShaw Interval - Start Time: 5/19/2015 3:00:00 PM |
| 5/21/2015 6:52:39 PM | Log Download - Used Battery: 2% Used Memory: 23% User Name: CShaw Interval - Start Time: 5/19/2015 3:00:00 PM |
| 5/28/2015 10:55:09 AM | Log Download - Used Battery: 2% Used Memory: 23% User Name: ECrowWillard Interval - Start Time: 5/7/2015 7:00:00 AM |
| 6/4/2015 9:55:06 AM | Log Download - Used Battery: 2% Used Memory: 25% User Name: BDuarte |
| 6/8/2015 7:00:41 AM | Log Download - Used Battery: 2% Used Memory: 25% User Name: BDuarte |
| 6/11/2015 3:11:24 PM | Log Download - Used Battery: 2% Used Memory: 25% User Name: BDuarte Interval - Start Time: 6/8/2015 7:00:00 AM |
| 6/18/2015 6:19:26 PM | Log Download - Used Battery: 2% Used Memory: 26% User Name: CShaw |
| 6/25/2015 6:26:39 PM | Log Download - Used Battery: 2% Used Memory: 26% User Name: BDuarte Interval - Start Time: 6/11/2015 3:00:00 PM |
| 7/2/2015 5:59:51 PM | Log Download - Used Battery: 2% Used Memory: 28% User Name: CShaw |
| 7/9/2015 7:33:31 AM | Log Download - Used Battery: 3% Used Memory: 28% User Name: BDuarte |
| 7/16/2015 5:49:08 PM | Log Download - Used Battery: 3% Used Memory: 29% User Name: CShaw |
| 7/23/2015 4:00:26 PM | Log Download - Used Battery: 3% Used Memory: 29% User Name: KMakar |
| 7/30/2015 9:14:52 AM | Log Download - Used Battery: 3% Used Memory: 31% User Name: BDuarte Interval - Start Time: 7/9/2015 7:30:00 AM |
| 8/6/2015 6:06:39 PM | Log Download - Used Battery: 3% Used Memory: 31% User Name: CShaw Interval - Start Time: 6/8/2015 3:30:00 PM Stop Time: 8/6/2015 6:30:00 PM |
| 8/6/2015 6:07:01 PM | Log Download - Used Battery: 3% Used Memory: 31% User Name: CShaw Interval - Start Time: 7/8/2015 3:30:00 PM Stop Time: 8/6/2015 5:30:00 PM |
| 8/13/2015 1:07:16 PM | Log Download - Used Battery: 3% Used Memory: 32% User Name: KMakar Interval - Start Time: 7/23/2015 4:00:00 PM |
| 8/20/2015 9:31:39 AM | Log Download - Used Battery: 3% Used Memory: 32% User Name: BDuarte Interval - Start Time: 7/30/2015 9:00:00 AM |
| 8/27/2015 10:35:53 AM | Log Download - Used Battery: 3% Used Memory: 34% User Name: KMakar Interval - Start Time: 8/13/2015 5:15:00 PM Stop Time: 8/27/2015 10:15:00 AM |
| 8/27/2015 10:36:27 AM | Log Download - Used Battery: 3% Used Memory: 34% User Name: KMakar Interval - Start Time: 8/13/2015 5:15:00 PM Stop Time: 8/27/2015 10:35:00 AM |
| 9/3/2015 6:12:09 PM | Log Download - Used Battery: 3% Used Memory: 35% User Name: CShaw Interval - Start Time: 8/1/2015 5:30:00 PM Stop Time: 9/3/2015 7:00:00 PM |
| 9/10/2015 11:08:03 AM | Log Download - Used Battery: 3% Used Memory: 35% User Name: KMakar Interval - Start Time: 8/10/2015 8:30:00 AM Stop Time: 9/10/2015 11:10:00 AM |
| 9/17/2015 10:34:47 AM | Log Download - Used Battery: 3% Used Memory: 37% User Name: KMakar Interval - Start Time: 9/1/2015 5:30:00 AM Stop Time: 9/17/2015 10:35:00 AM |
| 9/24/2015 7:11:42 PM | Log Download - Used Battery: 3% Used Memory: 37% User Name: CShaw Interval - Start |

Time: 9/1/2015 5:30:00 PM Stop Time: 9/24/2015 8:00:00 PM
10/1/2015 1:55:13 PM Log Download - Used Battery: 3% Used Memory: 39% User Name: KMakar Interval - Start Time: 9/15/2015 7:30:00 AM Stop Time: 10/1/2015 1:55:00 PM
10/8/2015 4:54:50 PM Log Download - Used Battery: 3% Used Memory: 39% User Name: CShaw Interval - Start Time: 9/14/2015 5:30:00 PM Stop Time: 10/8/2015 5:45:00 PM
10/15/2015 1:20:01 PM Log Download - Used Battery: 3% Used Memory: 40% User Name: KMakar Interval - Start Time: 9/30/2015 7:30:00 AM Stop Time: 10/15/2015 1:20:00 PM
10/27/2015 6:53:26 PM Log Download - Used Battery: 4% Used Memory: 42% User Name: nreynolds Interval - Start Time: 10/26/2015 12:00:00 PM Stop Time: 10/27/2015 6:45:00 PM
10/27/2015 7:00:52 PM Log Download - Used Battery: 4% Used Memory: 42% User Name: nreynolds Interval - Start Time: 10/26/2015 3:00:00 PM Stop Time: 10/27/2015 7:00:00 PM
10/29/2015 2:50:19 PM Log Download - Used Battery: 4% Used Memory: 42% User Name: KMakar Interval - Start Time: 10/13/2015 6:15:00 AM Stop Time: 10/29/2015 2:50:00 PM
11/5/2015 1:50:40 PM Log Download - Used Battery: 4% Used Memory: 42% User Name: KMakar Interval - Start Time: 10/20/2015 7:45:00 AM Stop Time: 11/5/2015 1:50:00 PM
11/12/2015 5:27:24 PM Log Download - Used Battery: 4% Used Memory: 43% User Name: KMakar Interval - Start Time: 10/20/2015 7:00:00 AM Stop Time: 11/5/2015 5:50:00 PM
11/12/2015 6:11:09 PM Log Download - Used Battery: 4% Used Memory: 43% User Name: KMakar Interval - Start Time: 10/20/2015 7:00:00 AM Stop Time: 11/12/2015 7:00:00 PM
11/19/2015 2:57:11 PM Log Download - Used Battery: 4% Used Memory: 43% User Name: KMakar Interval - Start Time: 11/1/2015 7:00:00 AM Stop Time: 11/19/2015 2:55:00 PM
11/29/2015 2:13:56 PM Log Download - Used Battery: 4% Used Memory: 45% User Name: CShaw Interval - Start Time: 11/13/2015 1:00:00 AM Stop Time: 11/29/2015 3:00:00 PM
12/3/2015 9:33:17 AM Log Download - Used Battery: 4% Used Memory: 45% User Name: KMakar Interval - Start Time: 11/18/2015 7:00:00 AM Stop Time: 12/3/2015 9:35:00 AM
12/10/2015 5:23:47 PM Log Download - Used Battery: 4% Used Memory: 46% User Name: CShaw Interval - Start Time: 10/13/2015 1:00:00 AM Stop Time: 12/10/2015 6:15:00 PM
12/17/2015 11:18:20 AM Log Download - Used Battery: 4% Used Memory: 46% User Name: KMakar Interval - Start Time: 12/1/2015 12:00:00 PM Stop Time: 12/17/2015 11:15:00 AM
1/3/2016 2:18:59 PM Log Download - Used Battery: 4% Used Memory: 50% User Name: CShaw Interval - Start Time: 11/30/2015 1:00:00 AM Stop Time: 1/3/2016 2:45:00 PM
1/7/2016 10:15:41 AM Log Download - Used Battery: 4% Used Memory: 50% User Name: KMakar Interval - Start Time: 12/31/2015 10:00:00 AM Stop Time: 1/7/2016 10:15:00 AM
1/14/2016 8:44:01 AM Log Download - Used Battery: 4% Used Memory: 50% User Name: KMakar Interval - Start Time: 1/4/2016 10:00:00 AM Stop Time: 1/14/2016 8:45:00 AM
1/21/2016 11:18:51 AM Log Download - Used Battery: 4% Used Memory: 51% User Name: KMakar Interval - Start Time: 1/12/2016 11:00:00 AM Stop Time: 1/21/2016 11:30:00 AM
1/28/2016 1:51:43 PM Log Download - Used Battery: 4% Used Memory: 51% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 1:50:00 PM
2/4/2016 4:21:42 PM Log Download - Used Battery: 4% Used Memory: 53% User Name: CShaw Interval - Start Time: 12/31/2015 1:00:00 AM Stop Time: 2/4/2016 5:05:00 PM
2/11/2016 12:00:01 PM Log Download - Used Battery: 4% Used Memory: 54% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 1:45:45 PM
2/18/2016 12:21:42 PM Log Download - Used Battery: 4% Used Memory: 54% User Name: CShaw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 12:45:00 PM
2/25/2016 12:00:20 PM Log Download - Used Battery: 4% Used Memory: 56% User Name: KMakar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 12:00:00 PM
3/3/2016 3:53:15 PM Log Download - Used Battery: 4% Used Memory: 56% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 4:35:00 PM
3/10/2016 8:38:18 AM Log Download - Used Battery: 4% Used Memory: 57% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 8:30:00 AM
3/10/2016 8:48:50 AM Log Download - Used Battery: 4% Used Memory: 57% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 8:45:00 AM
3/17/2016 5:25:01 PM Log Download - Used Battery: 4% Used Memory: 57% User Name: SKuiper Interval -

Start Time: 3/8/2016 9:00:00 AM Stop Time: 3/17/2016 6:15:00 PM
3/24/2016 12:22:39 PM Log Download - Used Battery: 4% Used Memory: 59% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 12:15:00 PM
3/31/2016 9:38:50 AM Log Download - Used Battery: 4% Used Memory: 59% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 10:30:00 AM
4/7/2016 12:16:25 PM Log Download - Used Battery: 4% Used Memory: 60% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 12:15:00 PM
4/14/2016 5:22:07 PM Log Download - Used Battery: 4% Used Memory: 60% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 6:15:00 PM
4/21/2016 10:50:29 AM Log Download - Used Battery: 4% Used Memory: 62% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 11:45:00 AM
4/28/2016 1:54:21 PM Log Download - Used Battery: 4% Used Memory: 62% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 2:00:00 PM
5/5/2016 10:54:03 AM Log Download - Used Battery: 4% Used Memory: 64% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 11:30:00 AM

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Log Data:
Record Count: 719
Sensors: 1
1 - 396433: PCTD 100 PSIG (70m/231ft)
Time Zone: Pacific Daylight Time

| | | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft | Sensor: PCTD(G) 231ft |
|---|---|---|---|---|---|---|---|---|---|---|
| | Elapsed Time | SN#: 396433 | SN#: 396433 | SN#: 396433 | SN#: 396433 | SN#: 396433 | SN#: 396433 | SN#: 396433 | SN#: 396433 | SN#: 396433 |
| Date and Time | Seconds | Pressure (PSI) | Temperature (C) | Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppt) | Resistivity (ohm-cm) | Water Density (g/cm3) |
| 10/13/2016 12:00:00 AM | 7200.000 | 9.641 | 16.581 | 21.717 | 36540.355 | 43542.352 | 28.192 | 29.609 | 27.367 | 1.020 |
| 10/13/2016 12:15:00 AM | 8100.000 | 9.569 | 16.581 | 21.555 | 33229.082 | 39596.488 | 25.376 | 26.926 | 30.094 | 1.018 |
| 10/13/2016 12:30:00 AM | 9000.000 | 9.471 | 16.577 | 21.334 | 38759.031 | 46190.254 | 30.103 | 31.409 | 25.800 | 1.022 |
| 10/13/2016 12:45:00 AM | 9900.000 | 9.458 | 16.578 | 21.305 | 35247.809 | 42004.652 | 27.090 | 28.563 | 28.371 | 1.020 |
| 10/13/2016 1:00:00 AM | 10800.000 | 9.506 | 16.576 | 21.413 | 38618.188 | 46022.965 | 29.982 | 31.296 | 25.895 | 1.022 |

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| 10/13/2016 1:15:00 AM | 11700.000 | 9.520 | 16.580 |
| 21.444 | 36257.570 | 43205.902 | 27.950 |
| 29.380 | 27.580 | 1.020 | |
| 10/13/2016 1:30:00 AM | 12600.000 | 9.307 | 16.582 |
| 20.965 | 33955.297 | 40460.719 | 25.989 |
| 27.513 | 29.450 | 1.019 | |
| 10/13/2016 1:45:00 AM | 13500.000 | 9.320 | 16.576 |
| 20.994 | 38834.234 | 46280.438 | 30.169 |
| 31.471 | 25.750 | 1.022 | |
| 10/13/2016 2:00:00 AM | 14400.000 | 9.349 | 16.578 |
| 21.059 | 35697.273 | 42539.848 | 27.473 |
| 28.927 | 28.013 | 1.020 | |
| 10/13/2016 2:15:00 AM | 15300.000 | 9.329 | 16.576 |
| 21.015 | 38785.055 | 46222.004 | 30.126 |
| 31.431 | 25.783 | 1.022 | |
| 10/13/2016 2:30:00 AM | 16200.000 | 9.315 | 16.578 |
| 20.984 | 35904.547 | 42786.852 | 27.650 |
| 29.095 | 27.852 | 1.020 | |
| 10/13/2016 2:45:00 AM | 17100.000 | 9.263 | 16.575 |
| 20.866 | 38830.621 | 46277.520 | 30.166 |
| 31.469 | 25.753 | 1.022 | |
| 10/13/2016 3:00:00 AM | 18000.000 | 9.310 | 16.578 |
| 20.972 | 35575.352 | 42395.402 | 27.369 |
| 28.829 | 28.109 | 1.020 | |
| 10/13/2016 3:15:00 AM | 18900.000 | 9.340 | 16.579 |
| 21.038 | 34332.695 | 40912.879 | 26.311 |
| 27.821 | 29.127 | 1.019 | |
| 10/13/2016 3:30:00 AM | 19800.000 | 9.329 | 16.575 |
| 21.014 | 38710.629 | 46134.051 | 30.062 |
| 31.371 | 25.833 | 1.022 | |
| 10/13/2016 3:45:00 AM | 20700.000 | 9.356 | 16.579 |
| 21.074 | 35669.617 | 42506.465 | 27.449 |
| 28.904 | 28.035 | 1.020 | |
| 10/13/2016 4:00:00 AM | 21600.000 | 9.412 | 16.580 |
| 21.201 | 37774.543 | 45013.660 | 29.252 |
| 30.609 | 26.473 | 1.021 | |
| 10/13/2016 4:15:00 AM | 22500.000 | 9.429 | 16.577 |
| 21.240 | 36266.313 | 43219.000 | 27.960 |
| 29.389 | 27.574 | 1.020 | |
| 10/13/2016 4:30:00 AM | 23400.000 | 9.400 | 16.579 |
| 21.174 | 33663.551 | 40115.488 | 25.744 |
| 27.279 | 29.706 | 1.019 | |
| 10/13/2016 4:45:00 AM | 24300.000 | 9.380 | 16.577 |
| 21.130 | 38723.461 | 46147.215 | 30.072 |
| 31.380 | 25.824 | 1.022 | |
| 10/13/2016 5:00:00 AM | 25200.000 | 9.403 | 16.581 |
| 21.181 | 35454.938 | 42249.117 | 27.265 |
| 28.729 | 28.205 | 1.020 | |
| 10/13/2016 5:15:00 AM | 26100.000 | 9.491 | 16.581 |
| 21.379 | 37987.602 | 45266.199 | 29.434 |
| 30.781 | 26.324 | 1.021 | |
| 10/13/2016 5:30:00 AM | 27000.000 | 9.681 | 16.580 |
| 21.807 | 35445.297 | 42238.215 | 27.257 |
| 28.722 | 28.212 | 1.020 | |

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| 10/13/2016 5:45:00 AM | 27900.000 | 10.080 | 16.582 |
| 22.706 | 35863.969 | 42734.898 | 27.613 |
| 29.060 | 27.883 | 1.020 | |
| 10/13/2016 6:00:00 AM | 28800.000 | 10.049 | 16.586 |
| 22.637 | 33113.047 | 39453.781 | 25.275 |
| 26.829 | 30.200 | 1.018 | |
| 10/13/2016 6:15:00 AM | 29700.000 | 9.943 | 16.580 |
| 22.397 | 38732.598 | 46154.957 | 30.078 |
| 31.385 | 25.818 | 1.022 | |
| 10/13/2016 6:30:00 AM | 30600.000 | 9.859 | 16.581 |
| 22.209 | 36133.773 | 43057.781 | 27.844 |
| 29.279 | 27.675 | 1.020 | |
| 10/13/2016 6:45:00 AM | 31500.000 | 10.154 | 16.581 |
| 22.874 | 35535.527 | 42345.152 | 27.333 |
| 28.795 | 28.141 | 1.020 | |
| 10/13/2016 7:00:00 AM | 32400.000 | 10.029 | 16.584 |
| 22.592 | 33962.754 | 40467.996 | 25.995 |
| 27.518 | 29.444 | 1.019 | |
| 10/13/2016 7:15:00 AM | 33300.000 | 10.037 | 16.583 |
| 22.610 | 38233.145 | 45557.613 | 29.645 |
| 30.979 | 26.155 | 1.022 | |
| 10/13/2016 7:30:00 AM | 34200.000 | 10.038 | 16.586 |
| 22.612 | 38387.473 | 45737.746 | 29.776 |
| 31.102 | 26.050 | 1.022 | |
| 10/13/2016 7:45:00 AM | 35100.000 | 9.826 | 16.583 |
| 22.135 | 35693.328 | 42530.805 | 27.466 |
| 28.921 | 28.016 | 1.020 | |
| 10/13/2016 8:00:00 AM | 36000.000 | 9.832 | 16.584 |
| 22.148 | 34016.504 | 40531.539 | 26.040 |
| 27.561 | 29.397 | 1.019 | |
| 10/13/2016 8:15:00 AM | 36900.000 | 9.920 | 16.579 |
| 22.346 | 38781.984 | 46215.484 | 30.122 |
| 31.427 | 25.785 | 1.022 | |
| 10/13/2016 8:30:00 AM | 37800.000 | 9.753 | 16.581 |
| 21.969 | 35673.664 | 42509.320 | 27.451 |
| 28.906 | 28.032 | 1.020 | |
| 10/13/2016 8:45:00 AM | 38700.000 | 9.705 | 16.582 |
| 21.861 | 35304.797 | 42068.852 | 27.136 |
| 28.607 | 28.325 | 1.020 | |
| 10/13/2016 9:00:00 AM | 39600.000 | 9.591 | 16.575 |
| 21.605 | 38819.555 | 46264.422 | 30.157 |
| 31.460 | 25.760 | 1.022 | |
| 10/13/2016 9:15:00 AM | 40500.000 | 9.533 | 16.577 |
| 21.475 | 38659.035 | 46070.813 | 30.017 |
| 31.328 | 25.867 | 1.022 | |
| 10/13/2016 9:30:00 AM | 41400.000 | 9.564 | 16.579 |
| 21.544 | 35620.527 | 42448.133 | 27.407 |
| 28.865 | 28.074 | 1.020 | |
| 10/13/2016 9:45:00 AM | 42300.000 | 9.712 | 16.577 |
| 21.878 | 38815.824 | 46258.215 | 30.152 |
| 31.456 | 25.763 | 1.022 | |
| 10/13/2016 10:00:00 AM | 43200.000 | 9.664 | 16.578 |
| 21.770 | 38739.379 | 46165.445 | 30.085 |
| 31.393 | 25.814 | 1.022 | |

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| 10/13/2016 10:15:00 AM | 44100.000 | 9.755 | 16.581 |
| 21.974 | 36736.473 | 43775.973 | 28.360 |
| 29.768 | 27.221 | 1.021 | |
| 10/13/2016 10:30:00 AM | 45000.000 | 9.641 | 16.581 |
| 21.718 | 33126.449 | 39473.953 | 25.289 |
| 26.842 | 30.187 | 1.018 | |
| 10/13/2016 10:45:00 AM | 45900.000 | 9.732 | 16.578 |
| 21.923 | 38776.547 | 46209.738 | 30.117 |
| 31.423 | 25.789 | 1.022 | |
| 10/13/2016 11:00:00 AM | 46800.000 | 9.715 | 16.578 |
| 21.883 | 35914.184 | 42798.598 | 27.658 |
| 29.103 | 27.844 | 1.020 | |
| 10/13/2016 11:15:00 AM | 47700.000 | 9.678 | 16.496 |
| 21.800 | 34066.461 | 40672.762 | 26.136 |
| 27.657 | 29.354 | 1.019 | |
| 10/13/2016 11:30:00 AM | 48600.000 | 9.650 | 16.568 |
| 21.737 | 38780.934 | 46226.090 | 30.129 |
| 31.434 | 25.786 | 1.022 | |
| 10/13/2016 11:45:00 AM | 49500.000 | 9.695 | 16.579 |
| 21.839 | 36201.707 | 43140.277 | 27.903 |
| 29.335 | 27.623 | 1.020 | |
| 10/13/2016 12:00:00 PM | 50400.000 | 9.664 | 16.581 |
| 21.768 | 34366.934 | 40952.535 | 26.339 |
| 27.848 | 29.098 | 1.019 | |
| 10/13/2016 12:15:00 PM | 51300.000 | 9.826 | 16.582 |
| 22.135 | 37992.426 | 45271.684 | 29.438 |
| 30.785 | 26.321 | 1.021 | |
| 10/13/2016 12:30:00 PM | 52200.000 | 10.051 | 16.579 |
| 22.641 | 35526.184 | 42335.633 | 27.326 |
| 28.788 | 28.148 | 1.020 | |
| 10/13/2016 12:45:00 PM | 53100.000 | 10.320 | 16.582 |
| 23.248 | 36058.043 | 42966.492 | 27.779 |
| 29.217 | 27.733 | 1.020 | |
| 10/13/2016 1:00:00 PM | 54000.000 | 10.351 | 16.585 |
| 23.317 | 34337.266 | 40913.086 | 26.311 |
| 27.821 | 29.123 | 1.019 | |
| 10/13/2016 1:15:00 PM | 54900.000 | 10.340 | 16.579 |
| 23.292 | 38695.617 | 46112.277 | 30.047 |
| 31.356 | 25.843 | 1.022 | |
| 10/13/2016 1:30:00 PM | 55800.000 | 10.477 | 16.579 |
| 23.600 | 38665.156 | 46076.266 | 30.021 |
| 31.332 | 25.863 | 1.022 | |
| 10/13/2016 1:45:00 PM | 56700.000 | 10.489 | 16.582 |
| 23.627 | 38745.723 | 46168.668 | 30.088 |
| 31.395 | 25.809 | 1.022 | |
| 10/13/2016 2:00:00 PM | 57600.000 | 10.465 | 16.582 |
| 23.573 | 36094.109 | 43009.469 | 27.809 |
| 29.246 | 27.705 | 1.020 | |
| 10/13/2016 2:15:00 PM | 58500.000 | 10.427 | 16.583 |
| 23.489 | 35983.773 | 42876.793 | 27.714 |
| 29.156 | 27.790 | 1.020 | |
| 10/13/2016 2:30:00 PM | 59400.000 | 10.419 | 16.584 |
| 23.471 | 35403.055 | 42184.074 | 27.218 |
| 28.685 | 28.246 | 1.020 | |

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| 10/13/2016 2:45:00 PM | 60300.000 | 10.387 | 16.583 |
| 23.397 | 34666.824 | 41307.738 | 26.592 |
| 28.089 | 28.846 | 1.019 | |
| 10/13/2016 3:00:00 PM | 61200.000 | 10.277 | 16.583 |
| 23.149 | 38489.750 | 45862.531 | 29.866 |
| 31.187 | 25.981 | 1.022 | |
| 10/13/2016 3:15:00 PM | 62100.000 | 10.271 | 16.584 |
| 23.135 | 38612.188 | 46007.984 | 29.972 |
| 31.285 | 25.899 | 1.022 | |
| 10/13/2016 3:30:00 PM | 63000.000 | 10.185 | 16.584 |
| 22.942 | 35674.723 | 42508.117 | 27.450 |
| 28.906 | 28.031 | 1.020 | |
| 10/13/2016 3:45:00 PM | 63900.000 | 10.009 | 16.584 |
| 22.545 | 36521.930 | 43517.523 | 28.174 |
| 29.592 | 27.381 | 1.020 | |
| 10/13/2016 4:00:00 PM | 64800.000 | 9.996 | 16.584 |
| 22.517 | 33604.480 | 40040.602 | 25.691 |
| 27.228 | 29.758 | 1.018 | |
| 10/13/2016 4:15:00 PM | 65700.000 | 9.909 | 16.580 |
| 22.322 | 38704.777 | 46122.738 | 30.054 |
| 31.363 | 25.837 | 1.022 | |
| 10/13/2016 4:30:00 PM | 66600.000 | 9.930 | 16.581 |
| 22.368 | 36349.063 | 43314.582 | 28.028 |
| 29.454 | 27.511 | 1.020 | |
| 10/13/2016 4:45:00 PM | 67500.000 | 9.921 | 16.582 |
| 22.348 | 36212.559 | 43150.797 | 27.911 |
| 29.343 | 27.615 | 1.020 | |
| 10/13/2016 5:00:00 PM | 68400.000 | 9.842 | 16.583 |
| 22.171 | 33667.195 | 40116.855 | 25.745 |
| 27.279 | 29.703 | 1.019 | |
| 10/13/2016 5:15:00 PM | 69300.000 | 9.849 | 16.577 |
| 22.186 | 38715.676 | 46138.215 | 30.066 |
| 31.374 | 25.829 | 1.022 | |
| 10/13/2016 5:30:00 PM | 70200.000 | 9.849 | 16.580 |
| 22.185 | 36540.023 | 43542.922 | 28.192 |
| 29.609 | 27.367 | 1.020 | |
| 10/13/2016 5:45:00 PM | 71100.000 | 9.803 | 16.581 |
| 22.082 | 35137.203 | 41870.320 | 26.994 |
| 28.472 | 28.460 | 1.019 | |
| 10/13/2016 6:00:00 PM | 72000.000 | 9.766 | 16.578 |
| 21.999 | 38849.180 | 46296.566 | 30.180 |
| 31.482 | 25.741 | 1.022 | |
| 10/13/2016 6:15:00 PM | 72900.000 | 9.817 | 16.578 |
| 22.114 | 38803.395 | 46241.730 | 30.141 |
| 31.444 | 25.771 | 1.022 | |
| 10/13/2016 6:30:00 PM | 73800.000 | 9.615 | 16.580 |
| 21.659 | 35869.570 | 42743.457 | 27.619 |
| 29.066 | 27.879 | 1.020 | |
| 10/13/2016 6:45:00 PM | 74700.000 | 9.514 | 16.579 |
| 21.432 | 37745.738 | 44980.789 | 29.228 |
| 30.587 | 26.493 | 1.021 | |
| 10/13/2016 7:00:00 PM | 75600.000 | 9.605 | 16.577 |
| 21.637 | 38804.023 | 46243.781 | 30.142 |
| 31.446 | 25.771 | 1.022 | |

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| 10/13/2016 7:15:00 PM | 76500.000 | 9.504 | 16.579 |
| 21.408 | 35600.574 | 42424.105 | 27.390 |
| 28.848 | 28.089 | 1.020 | |
| 10/13/2016 7:30:00 PM | 77400.000 | 9.614 | 16.575 |
| 21.657 | 38850.453 | 46300.875 | 30.183 |
| 31.485 | 25.740 | 1.022 | |
| 10/13/2016 7:45:00 PM | 78300.000 | 9.799 | 16.578 |
| 22.073 | 38744.152 | 46171.316 | 30.090 |
| 31.396 | 25.810 | 1.022 | |
| 10/13/2016 8:00:00 PM | 79200.000 | 9.753 | 16.580 |
| 21.970 | 36833.078 | 43891.699 | 28.443 |
| 29.846 | 27.150 | 1.021 | |
| 10/13/2016 8:15:00 PM | 80100.000 | 9.769 | 16.581 |
| 22.006 | 33262.164 | 39635.980 | 25.404 |
| 26.952 | 30.064 | 1.018 | |
| 10/13/2016 8:30:00 PM | 81000.000 | 9.734 | 16.579 |
| 21.926 | 38819.031 | 46259.715 | 30.154 |
| 31.457 | 25.761 | 1.022 | |
| 10/13/2016 8:45:00 PM | 81900.000 | 9.705 | 16.579 |
| 21.860 | 36812.754 | 43868.707 | 28.427 |
| 29.831 | 27.164 | 1.021 | |
| 10/13/2016 9:00:00 PM | 82800.000 | 9.222 | 16.572 |
| 20.772 | 38846.129 | 46298.969 | 30.182 |
| 31.483 | 25.743 | 1.022 | |
| 10/13/2016 9:15:00 PM | 83700.000 | 9.107 | 16.577 |
| 20.515 | 35828.008 | 42697.016 | 27.585 |
| 29.034 | 27.911 | 1.020 | |
| 10/13/2016 9:30:00 PM | 84600.000 | 9.167 | 16.574 |
| 20.651 | 38883.012 | 46340.504 | 30.212 |
| 31.512 | 25.718 | 1.022 | |
| 10/13/2016 9:45:00 PM | 85500.000 | 9.193 | 16.578 |
| 20.707 | 34710.770 | 41365.160 | 26.633 |
| 28.128 | 28.810 | 1.019 | |
| 10/13/2016 10:00:00 PM | 86400.000 | 9.297 | 16.574 |
| 20.943 | 38767.488 | 46203.105 | 30.112 |
| 31.418 | 25.795 | 1.022 | |
| 10/13/2016 10:15:00 PM | 87300.000 | 9.258 | 16.577 |
| 20.856 | 35750.324 | 42604.266 | 27.519 |
| 28.971 | 27.972 | 1.020 | |
| 10/13/2016 10:30:00 PM | 88200.000 | 9.167 | 16.574 |
| 20.651 | 38836.676 | 46286.129 | 30.173 |
| 31.475 | 25.749 | 1.022 | |
| 10/13/2016 10:45:00 PM | 89100.000 | 9.184 | 16.577 |
| 20.689 | 36008.875 | 42912.469 | 27.740 |
| 29.180 | 27.771 | 1.020 | |
| 10/13/2016 11:00:00 PM | 90000.000 | 9.104 | 16.576 |
| 20.508 | 38841.723 | 46289.441 | 30.175 |
| 31.477 | 25.746 | 1.022 | |
| 10/13/2016 11:15:00 PM | 90900.000 | 9.007 | 16.574 |
| 20.288 | 38913.477 | 46377.477 | 30.239 |
| 31.537 | 25.698 | 1.022 | |
| 10/13/2016 11:30:00 PM | 91800.000 | 8.971 | 16.572 |
| 20.208 | 35509.105 | 42321.461 | 27.316 |
| 28.779 | 28.162 | 1.020 | |

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| 10/13/2016 11:45:00 PM | 92700.000 | 8.814 | 16.570 |
| 19.854 | 36345.055 | 43320.570 | 28.032 |
| 29.458 | 27.514 | 1.020 | |
| 10/14/2016 12:00:00 AM | 93600.000 | 8.839 | 16.572 |
| 19.912 | 34679.172 | 41333.063 | 26.610 |
| 28.106 | 28.836 | 1.019 | |
| 10/14/2016 12:15:00 AM | 94500.000 | 9.001 | 16.572 |
| 20.275 | 35697.059 | 42545.473 | 27.476 |
| 28.931 | 28.014 | 1.020 | |
| 10/14/2016 12:30:00 AM | 95400.000 | 9.029 | 16.569 |
| 20.339 | 38874.438 | 46335.688 | 30.208 |
| 31.508 | 25.724 | 1.022 | |
| 10/14/2016 12:45:00 AM | 96300.000 | 8.866 | 16.574 |
| 19.972 | 33296.152 | 39682.848 | 25.437 |
| 26.984 | 30.034 | 1.018 | |
| 10/14/2016 1:00:00 AM | 97200.000 | 8.791 | 16.571 |
| 19.802 | 38936.645 | 46407.973 | 30.261 |
| 31.557 | 25.683 | 1.022 | |
| 10/14/2016 1:15:00 AM | 98100.000 | 9.099 | 16.572 |
| 20.496 | 38374.824 | 45737.887 | 29.775 |
| 31.102 | 26.059 | 1.022 | |
| 10/14/2016 1:30:00 AM | 99000.000 | 9.075 | 16.573 |
| 20.443 | 35903.258 | 42790.711 | 27.652 |
| 29.098 | 27.853 | 1.020 | |
| 10/14/2016 1:45:00 AM | 99900.000 | 9.149 | 16.571 |
| 20.609 | 39041.684 | 46532.883 | 30.351 |
| 31.642 | 25.614 | 1.022 | |
| 10/14/2016 2:00:00 AM | 100800.000 | 9.221 | 16.572 |
| 20.770 | 36779.582 | 43836.117 | 28.403 |
| 29.809 | 27.189 | 1.021 | |
| 10/14/2016 2:15:00 AM | 101700.000 | 9.154 | 16.574 |
| 20.620 | 34861.871 | 41548.387 | 26.764 |
| 28.253 | 28.685 | 1.019 | |
| 10/14/2016 2:30:00 AM | 102600.000 | 9.072 | 16.570 |
| 20.437 | 38996.180 | 46479.680 | 30.313 |
| 31.606 | 25.644 | 1.022 | |
| 10/14/2016 2:45:00 AM | 103500.000 | 9.013 | 16.578 |
| 20.303 | 33525.504 | 39952.344 | 25.628 |
| 27.168 | 29.828 | 1.018 | |
| 10/14/2016 3:00:00 AM | 104400.000 | 9.094 | 16.575 |
| 20.485 | 34549.465 | 41175.570 | 26.498 |
| 27.999 | 28.944 | 1.019 | |
| 10/14/2016 3:15:00 AM | 105300.000 | 9.241 | 16.573 |
| 20.816 | 38272.449 | 45614.672 | 29.686 |
| 31.018 | 26.128 | 1.022 | |
| 10/14/2016 3:30:00 AM | 106200.000 | 9.226 | 16.574 |
| 20.782 | 35625.945 | 42459.273 | 27.415 |
| 28.872 | 28.069 | 1.020 | |
| 10/14/2016 3:45:00 AM | 107100.000 | 9.331 | 16.577 |
| 21.020 | 35423.930 | 42215.297 | 27.240 |
| 28.706 | 28.230 | 1.020 | |
| 10/14/2016 4:00:00 AM | 108000.000 | 9.435 | 16.578 |
| 21.253 | 36583.309 | 43596.070 | 28.230 |
| 29.645 | 27.335 | 1.020 | |

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| 10/14/2016 4:15:00 AM | 108900.000 | 9.286 | 16.578 |
| 20.917 | 35386.039 | 42169.543 | 27.208 |
| 28.675 | 28.260 | 1.020 | |
| 10/14/2016 4:30:00 AM | 109800.000 | 9.287 | 16.578 |
| 20.920 | 33836.711 | 40323.207 | 25.891 |
| 27.420 | 29.554 | 1.019 | |
| 10/14/2016 4:45:00 AM | 110700.000 | 9.258 | 16.573 |
| 20.854 | 38986.148 | 46464.641 | 30.302 |
| 31.596 | 25.650 | 1.022 | |
| 10/14/2016 5:00:00 AM | 111600.000 | 9.290 | 16.578 |
| 20.926 | 35615.961 | 42443.797 | 27.404 |
| 28.862 | 28.077 | 1.020 | |
| 10/14/2016 5:15:00 AM | 112500.000 | 9.370 | 16.571 |
| 21.108 | 39056.563 | 46550.520 | 30.364 |
| 31.654 | 25.604 | 1.022 | |
| 10/14/2016 5:30:00 AM | 113400.000 | 9.335 | 16.578 |
| 21.029 | 38511.656 | 45894.617 | 29.889 |
| 31.208 | 25.966 | 1.022 | |
| 10/14/2016 5:45:00 AM | 114300.000 | 9.468 | 16.576 |
| 21.328 | 38945.281 | 46413.137 | 30.265 |
| 31.561 | 25.677 | 1.022 | |
| 10/14/2016 6:00:00 AM | 115200.000 | 9.367 | 16.578 |
| 21.099 | 38212.316 | 45537.797 | 29.631 |
| 30.966 | 26.170 | 1.021 | |
| 10/14/2016 6:15:00 AM | 116100.000 | 9.402 | 16.577 |
| 21.179 | 39004.625 | 46482.660 | 30.315 |
| 31.608 | 25.638 | 1.022 | |
| 10/14/2016 6:30:00 AM | 117000.000 | 9.600 | 16.579 |
| 21.626 | 37780.176 | 45021.559 | 29.258 |
| 30.615 | 26.469 | 1.021 | |
| 10/14/2016 6:45:00 AM | 117900.000 | 9.519 | 16.582 |
| 21.443 | 35084.266 | 41806.238 | 26.948 |
| 28.428 | 28.503 | 1.019 | |
| 10/14/2016 7:00:00 AM | 118800.000 | 9.646 | 16.583 |
| 21.728 | 36617.672 | 43632.480 | 28.257 |
| 29.670 | 27.309 | 1.020 | |
| 10/14/2016 7:15:00 AM | 119700.000 | 9.632 | 16.586 |
| 21.697 | 37932.086 | 45195.246 | 29.383 |
| 30.733 | 26.363 | 1.021 | |
| 10/14/2016 7:30:00 AM | 120600.000 | 9.665 | 16.578 |
| 21.772 | 38992.023 | 46466.148 | 30.303 |
| 31.597 | 25.646 | 1.022 | |
| 10/14/2016 7:45:00 AM | 121500.000 | 9.723 | 16.584 |
| 21.903 | 34238.234 | 40795.652 | 26.228 |
| 27.741 | 29.207 | 1.019 | |
| 10/14/2016 8:00:00 AM | 122400.000 | 9.771 | 16.582 |
| 22.011 | 38910.074 | 46364.586 | 30.230 |
| 31.528 | 25.700 | 1.022 | |
| 10/14/2016 8:15:00 AM | 123300.000 | 9.989 | 16.586 |
| 22.502 | 34699.387 | 41343.484 | 26.618 |
| 28.114 | 28.819 | 1.019 | |
| 10/14/2016 8:30:00 AM | 124200.000 | 10.352 | 16.584 |
| 23.320 | 38982.707 | 46449.648 | 30.292 |
| 31.586 | 25.652 | 1.022 | |

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| 10/14/2016 8:45:00 AM | 125100.000 | 10.551 | 16.586 |
| 23.767 | 36346.199 | 43305.434 | 28.022 |
| 29.448 | 27.513 | 1.020 | |
| 10/14/2016 9:00:00 AM | 126000.000 | 10.678 | 16.587 |
| 24.052 | 35579.898 | 42391.906 | 27.367 |
| 28.826 | 28.106 | 1.020 | |
| 10/14/2016 9:15:00 AM | 126900.000 | 10.780 | 16.592 |
| 24.283 | 34140.559 | 40672.598 | 26.141 |
| 27.657 | 29.291 | 1.019 | |
| 10/14/2016 9:30:00 AM | 127800.000 | 10.804 | 16.587 |
| 24.337 | 38925.055 | 46377.234 | 30.239 |
| 31.537 | 25.690 | 1.022 | |
| 10/14/2016 9:45:00 AM | 128700.000 | 10.827 | 16.589 |
| 24.389 | 38932.012 | 46383.477 | 30.244 |
| 31.541 | 25.686 | 1.022 | |
| 10/14/2016 10:00:00 AM | 129600.000 | 10.893 | 16.590 |
| 24.537 | 38836.262 | 46268.477 | 30.161 |
| 31.463 | 25.749 | 1.022 | |
| 10/14/2016 10:15:00 AM | 130500.000 | 10.931 | 16.592 |
| 24.622 | 36135.641 | 43049.395 | 27.839 |
| 29.274 | 27.674 | 1.020 | |
| 10/14/2016 10:30:00 AM | 131400.000 | 10.903 | 16.591 |
| 24.560 | 36739.742 | 43769.250 | 28.356 |
| 29.763 | 27.218 | 1.021 | |
| 10/14/2016 10:45:00 AM | 132300.000 | 10.923 | 16.592 |
| 24.605 | 35678.941 | 42505.316 | 27.449 |
| 28.904 | 28.028 | 1.020 | |
| 10/14/2016 11:00:00 AM | 133200.000 | 10.859 | 16.592 |
| 24.461 | 35343.750 | 42105.566 | 27.163 |
| 28.632 | 28.294 | 1.020 | |
| 10/14/2016 11:15:00 AM | 134100.000 | 10.876 | 16.593 |
| 24.500 | 33182.742 | 39529.855 | 25.329 |
| 26.880 | 30.136 | 1.018 | |
| 10/14/2016 11:30:00 AM | 135000.000 | 10.867 | 16.592 |
| 24.478 | 38821.566 | 46249.023 | 30.147 |
| 31.449 | 25.759 | 1.022 | |
| 10/14/2016 11:45:00 AM | 135900.000 | 10.842 | 16.593 |
| 24.422 | 38860.598 | 46294.215 | 30.180 |
| 31.480 | 25.733 | 1.022 | |
| 10/14/2016 12:00:00 PM | 136800.000 | 10.811 | 16.593 |
| 24.354 | 35705.262 | 42535.215 | 27.470 |
| 28.924 | 28.007 | 1.020 | |
| 10/14/2016 12:15:00 PM | 137700.000 | 10.798 | 16.594 |
| 24.324 | 36162.000 | 43078.121 | 27.859 |
| 29.293 | 27.653 | 1.020 | |
| 10/14/2016 12:30:00 PM | 138600.000 | 10.664 | 16.594 |
| 24.023 | 35614.695 | 42426.051 | 27.392 |
| 28.850 | 28.078 | 1.020 | |
| 10/14/2016 12:45:00 PM | 139500.000 | 10.626 | 16.590 |
| 23.936 | 39120.898 | 46607.676 | 30.407 |
| 31.693 | 25.562 | 1.022 | |
| 10/14/2016 1:00:00 PM | 140400.000 | 10.502 | 16.591 |
| 23.656 | 39165.070 | 46659.086 | 30.444 |
| 31.728 | 25.533 | 1.022 | |

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| 10/14/2016 1:15:00 PM | 141300.000 | 10.482 | 16.592 |
| 23.611 | 35507.605 | 42300.773 | 27.302 |
| 28.765 | 28.163 | 1.020 | |
| 10/14/2016 1:30:00 PM | 142200.000 | 10.451 | 16.594 |
| 23.541 | 35394.648 | 42164.680 | 27.205 |
| 28.672 | 28.253 | 1.020 | |
| 10/14/2016 1:45:00 PM | 143100.000 | 10.329 | 16.589 |
| 23.268 | 39209.762 | 46713.918 | 30.484 |
| 31.765 | 25.504 | 1.022 | |
| 10/14/2016 2:00:00 PM | 144000.000 | 10.345 | 16.593 |
| 23.303 | 39179.203 | 46674.156 | 30.455 |
| 31.738 | 25.524 | 1.022 | |
| 10/14/2016 2:15:00 PM | 144900.000 | 10.284 | 16.595 |
| 23.167 | 36036.270 | 42928.164 | 27.752 |
| 29.191 | 27.750 | 1.020 | |
| 10/14/2016 2:30:00 PM | 145800.000 | 10.250 | 16.596 |
| 23.088 | 38191.246 | 45493.918 | 29.600 |
| 30.936 | 26.184 | 1.021 | |
| 10/14/2016 2:45:00 PM | 146700.000 | 10.200 | 16.598 |
| 22.977 | 38452.246 | 45802.254 | 29.823 |
| 31.146 | 26.006 | 1.022 | |
| 10/14/2016 3:00:00 PM | 147600.000 | 10.096 | 16.598 |
| 22.741 | 35264.563 | 42005.668 | 27.092 |
| 28.564 | 28.357 | 1.020 | |
| 10/14/2016 3:15:00 PM | 148500.000 | 10.187 | 16.593 |
| 22.947 | 39238.555 | 46744.473 | 30.506 |
| 31.786 | 25.485 | 1.022 | |
| 10/14/2016 3:30:00 PM | 149400.000 | 10.115 | 16.596 |
| 22.786 | 36896.594 | 43951.879 | 28.487 |
| 29.887 | 27.103 | 1.021 | |
| 10/14/2016 3:45:00 PM | 150300.000 | 9.969 | 16.598 |
| 22.456 | 33569.902 | 39986.504 | 25.653 |
| 27.191 | 29.789 | 1.018 | |
| 10/14/2016 4:00:00 PM | 151200.000 | 9.888 | 16.598 |
| 22.274 | 35979.141 | 42857.191 | 27.701 |
| 29.143 | 27.794 | 1.020 | |
| 10/14/2016 4:15:00 PM | 152100.000 | 9.910 | 16.598 |
| 22.323 | 33917.703 | 40401.672 | 25.948 |
| 27.473 | 29.483 | 1.019 | |
| 10/14/2016 4:30:00 PM | 153000.000 | 9.994 | 16.594 |
| 22.514 | 39175.082 | 46667.465 | 30.451 |
| 31.734 | 25.526 | 1.022 | |
| 10/14/2016 4:45:00 PM | 153900.000 | 10.044 | 16.598 |
| 22.624 | 34719.254 | 41355.625 | 26.627 |
| 28.122 | 28.802 | 1.019 | |
| 10/14/2016 5:00:00 PM | 154800.000 | 10.004 | 16.594 |
| 22.536 | 39186.785 | 46681.680 | 30.461 |
| 31.744 | 25.519 | 1.022 | |
| 10/14/2016 5:15:00 PM | 155700.000 | 10.004 | 16.598 |
| 22.536 | 35224.258 | 41957.574 | 27.057 |
| 28.531 | 28.390 | 1.020 | |
| 10/14/2016 5:30:00 PM | 156600.000 | 10.031 | 16.595 |
| 22.596 | 39361.477 | 46889.121 | 30.612 |
| 31.885 | 25.406 | 1.022 | |

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| 10/14/2016 5:45:00 PM | 157500.000 | 10.079 | 16.599 |
| 22.704 | 35929.840 | 42796.840 | 27.658 |
| 29.102 | 27.832 | 1.020 | |
| 10/14/2016 6:00:00 PM | 158400.000 | 10.135 | 16.596 |
| 22.830 | 39350.605 | 46875.238 | 30.602 |
| 31.875 | 25.413 | 1.022 | |
| 10/14/2016 6:15:00 PM | 159300.000 | 10.218 | 16.598 |
| 23.018 | 37652.230 | 44849.320 | 29.134 |
| 30.498 | 26.559 | 1.021 | |
| 10/14/2016 6:30:00 PM | 160200.000 | 10.095 | 16.599 |
| 22.741 | 33437.617 | 39828.129 | 25.541 |
| 27.083 | 29.906 | 1.018 | |
| 10/14/2016 6:45:00 PM | 161100.000 | 10.233 | 16.597 |
| 23.051 | 39144.109 | 46627.668 | 30.422 |
| 31.707 | 25.547 | 1.022 | |
| 10/14/2016 7:00:00 PM | 162000.000 | 10.155 | 16.599 |
| 22.876 | 35590.805 | 42393.008 | 27.369 |
| 28.827 | 28.097 | 1.020 | |
| 10/14/2016 7:15:00 PM | 162900.000 | 10.269 | 16.595 |
| 23.132 | 39375.105 | 46904.512 | 30.623 |
| 31.895 | 25.397 | 1.022 | |
| 10/14/2016 7:30:00 PM | 163800.000 | 10.227 | 16.599 |
| 23.037 | 36533.492 | 43515.945 | 28.174 |
| 29.591 | 27.372 | 1.020 | |
| 10/14/2016 7:45:00 PM | 164700.000 | 10.269 | 16.600 |
| 23.132 | 34871.980 | 41536.207 | 26.756 |
| 28.245 | 28.676 | 1.019 | |
| 10/14/2016 8:00:00 PM | 165600.000 | 10.347 | 16.598 |
| 23.307 | 39148.289 | 46631.895 | 30.425 |
| 31.710 | 25.544 | 1.022 | |
| 10/14/2016 8:15:00 PM | 166500.000 | 10.378 | 16.600 |
| 23.377 | 37240.086 | 44356.172 | 28.779 |
| 30.162 | 26.853 | 1.021 | |
| 10/14/2016 8:30:00 PM | 167400.000 | 11.050 | 16.601 |
| 24.891 | 36087.023 | 42982.602 | 27.791 |
| 29.228 | 27.711 | 1.020 | |
| 10/14/2016 8:45:00 PM | 168300.000 | 11.190 | 16.608 |
| 25.206 | 33922.188 | 40397.625 | 25.946 |
| 27.470 | 29.479 | 1.019 | |
| 10/14/2016 9:00:00 PM | 169200.000 | 11.324 | 16.607 |
| 25.510 | 38521.043 | 45875.188 | 29.877 |
| 31.195 | 25.960 | 1.022 | |
| 10/14/2016 9:15:00 PM | 170100.000 | 11.368 | 16.609 |
| 25.607 | 38697.926 | 46083.434 | 30.028 |
| 31.337 | 25.841 | 1.022 | |
| 10/14/2016 9:30:00 PM | 171000.000 | 11.347 | 16.608 |
| 25.561 | 38971.715 | 46411.063 | 30.265 |
| 31.560 | 25.660 | 1.022 | |
| 10/14/2016 9:45:00 PM | 171900.000 | 11.371 | 16.608 |
| 25.614 | 39009.535 | 46456.102 | 30.298 |
| 31.590 | 25.635 | 1.022 | |
| 10/14/2016 10:00:00 PM | 172800.000 | 11.313 | 16.608 |
| 25.484 | 36528.633 | 43501.008 | 28.164 |
| 29.581 | 27.376 | 1.020 | |

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| 10/14/2016 10:15:00 PM | 173700.000 | 11.287 | 16.609 |
| 25.425 | 36507.457 | 43475.273 | 28.145 |
| 29.563 | 27.392 | 1.020 | |
| 10/14/2016 10:30:00 PM | 174600.000 | 11.258 | 16.609 |
| 25.361 | 35762.293 | 42587.461 | 27.508 |
| 28.959 | 27.962 | 1.020 | |
| 10/14/2016 10:45:00 PM | 175500.000 | 11.164 | 16.607 |
| 25.149 | 35110.840 | 41813.602 | 26.955 |
| 28.433 | 28.481 | 1.019 | |
| 10/14/2016 11:00:00 PM | 176400.000 | 11.140 | 16.608 |
| 25.095 | 34037.031 | 40534.395 | 26.043 |
| 27.563 | 29.380 | 1.019 | |
| 10/14/2016 11:15:00 PM | 177300.000 | 11.250 | 16.603 |
| 25.342 | 39326.684 | 46839.141 | 30.576 |
| 31.851 | 25.428 | 1.022 | |
| 10/14/2016 11:30:00 PM | 178200.000 | 11.242 | 16.604 |
| 25.324 | 39169.844 | 46650.852 | 30.439 |
| 31.723 | 25.530 | 1.022 | |
| 10/14/2016 11:45:00 PM | 179100.000 | 11.167 | 16.605 |
| 25.154 | 39212.957 | 46700.797 | 30.476 |
| 31.757 | 25.502 | 1.022 | |
| 10/15/2016 12:00:00 AM | 180000.000 | 10.934 | 16.605 |
| 24.629 | 35762.730 | 42591.898 | 27.511 |
| 28.962 | 27.962 | 1.020 | |
| 10/15/2016 12:15:00 AM | 180900.000 | 10.671 | 16.606 |
| 24.038 | 36706.359 | 43715.379 | 28.318 |
| 29.726 | 27.243 | 1.020 | |
| 10/15/2016 12:30:00 AM | 181800.000 | 10.707 | 16.605 |
| 24.118 | 33857.059 | 40322.891 | 25.893 |
| 27.420 | 29.536 | 1.019 | |
| 10/15/2016 12:45:00 AM | 182700.000 | 10.670 | 16.603 |
| 24.036 | 39329.555 | 46842.656 | 30.578 |
| 31.853 | 25.426 | 1.022 | |
| 10/15/2016 1:00:00 AM | 183600.000 | 10.592 | 16.604 |
| 23.860 | 36990.586 | 44055.285 | 28.562 |
| 29.958 | 27.034 | 1.021 | |
| 10/15/2016 1:15:00 AM | 184500.000 | 10.587 | 16.604 |
| 23.849 | 36392.996 | 43343.734 | 28.051 |
| 29.474 | 27.478 | 1.020 | |
| 10/15/2016 1:30:00 AM | 185400.000 | 10.439 | 16.604 |
| 23.514 | 38841.203 | 46259.629 | 30.155 |
| 31.457 | 25.746 | 1.022 | |
| 10/15/2016 1:45:00 AM | 186300.000 | 10.317 | 16.603 |
| 23.241 | 36184.426 | 43096.715 | 27.873 |
| 29.306 | 27.636 | 1.020 | |
| 10/15/2016 2:00:00 AM | 187200.000 | 10.456 | 16.604 |
| 23.552 | 35148.609 | 41861.684 | 26.989 |
| 28.466 | 28.451 | 1.019 | |
| 10/15/2016 2:15:00 AM | 188100.000 | 10.387 | 16.601 |
| 23.398 | 39349.516 | 46868.105 | 30.597 |
| 31.870 | 25.413 | 1.022 | |
| 10/15/2016 2:30:00 AM | 189000.000 | 10.369 | 16.606 |
| 23.356 | 36906.531 | 43953.676 | 28.489 |
| 29.889 | 27.095 | 1.021 | |

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| 10/15/2016 2:45:00 AM | 189900.000 | 10.332 | 16.606 |
| 23.273 | 34143.320 | 40662.199 | 26.134 |
| 27.650 | 29.288 | 1.019 | |
| 10/15/2016 3:00:00 AM | 190800.000 | 10.404 | 16.608 |
| 23.436 | 38802.633 | 46209.891 | 30.119 |
| 31.423 | 25.771 | 1.022 | |
| 10/15/2016 3:15:00 AM | 191700.000 | 10.317 | 16.608 |
| 23.239 | 35355.961 | 42105.176 | 27.163 |
| 28.632 | 28.284 | 1.020 | |
| 10/15/2016 3:30:00 AM | 192600.000 | 10.306 | 16.602 |
| 23.214 | 39406.098 | 46934.660 | 30.645 |
| 31.916 | 25.377 | 1.022 | |
| 10/15/2016 3:45:00 AM | 193500.000 | 10.278 | 16.605 |
| 23.153 | 37592.105 | 44770.523 | 29.078 |
| 30.444 | 26.601 | 1.021 | |
| 10/15/2016 4:00:00 AM | 194400.000 | 10.379 | 16.604 |
| 23.380 | 38485.242 | 45835.680 | 29.848 |
| 31.168 | 25.984 | 1.022 | |
| 10/15/2016 4:15:00 AM | 195300.000 | 10.379 | 16.606 |
| 23.379 | 39387.535 | 46908.043 | 30.626 |
| 31.897 | 25.389 | 1.022 | |
| 10/15/2016 4:30:00 AM | 196200.000 | 10.310 | 16.605 |
| 23.224 | 34517.402 | 41108.609 | 26.452 |
| 27.954 | 28.971 | 1.019 | |
| 10/15/2016 4:45:00 AM | 197100.000 | 10.310 | 16.603 |
| 23.223 | 39447.828 | 46982.953 | 30.680 |
| 31.948 | 25.350 | 1.022 | |
| 10/15/2016 5:00:00 AM | 198000.000 | 10.406 | 16.606 |
| 23.441 | 36831.082 | 43863.293 | 28.424 |
| 29.827 | 27.151 | 1.021 | |
| 10/15/2016 5:15:00 AM | 198900.000 | 10.330 | 16.604 |
| 23.270 | 39449.461 | 46984.426 | 30.682 |
| 31.949 | 25.349 | 1.022 | |
| 10/15/2016 5:30:00 AM | 199800.000 | 10.388 | 16.604 |
| 23.400 | 36352.047 | 43295.141 | 28.016 |
| 29.441 | 27.509 | 1.020 | |
| 10/15/2016 5:45:00 AM | 200700.000 | 10.476 | 16.609 |
| 23.598 | 35128.387 | 41833.078 | 26.969 |
| 28.446 | 28.467 | 1.019 | |
| 10/15/2016 6:00:00 AM | 201600.000 | 10.350 | 16.604 |
| 23.315 | 39497.566 | 47041.531 | 30.723 |
| 31.988 | 25.318 | 1.022 | |
| 10/15/2016 6:15:00 AM | 202500.000 | 10.336 | 16.606 |
| 23.283 | 36665.758 | 43666.238 | 28.282 |
| 29.693 | 27.273 | 1.020 | |
| 10/15/2016 6:30:00 AM | 203400.000 | 10.465 | 16.604 |
| 23.573 | 39415.910 | 46943.719 | 30.652 |
| 31.922 | 25.370 | 1.022 | |
| 10/15/2016 6:45:00 AM | 204300.000 | 10.397 | 16.604 |
| 23.419 | 39283.148 | 46785.695 | 30.537 |
| 31.814 | 25.456 | 1.022 | |
| 10/15/2016 7:00:00 AM | 205200.000 | 10.478 | 16.607 |
| 23.603 | 35851.137 | 42695.145 | 27.585 |
| 29.033 | 27.893 | 1.020 | |

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| 10/15/2016 7:15:00 AM | 206100.000 | 10.453 | 16.603 |
| 23.547 | 39508.945 | 47055.941 | 30.734 |
| 31.998 | 25.311 | 1.022 | |
| 10/15/2016 7:30:00 AM | 207000.000 | 10.485 | 16.606 |
| 23.618 | 37246.383 | 44357.980 | 28.780 |
| 30.163 | 26.848 | 1.021 | |
| 10/15/2016 7:45:00 AM | 207900.000 | 10.633 | 16.607 |
| 23.951 | 36194.441 | 43104.664 | 27.879 |
| 29.311 | 27.629 | 1.020 | |
| 10/15/2016 8:00:00 AM | 208800.000 | 10.721 | 16.602 |
| 24.151 | 39486.223 | 47029.996 | 30.715 |
| 31.980 | 25.325 | 1.022 | |
| 10/15/2016 8:15:00 AM | 209700.000 | 10.746 | 16.605 |
| 24.206 | 39344.371 | 46857.480 | 30.589 |
| 31.863 | 25.417 | 1.022 | |
| 10/15/2016 8:30:00 AM | 210600.000 | 10.735 | 16.608 |
| 24.182 | 37086.555 | 44165.859 | 28.642 |
| 30.033 | 26.964 | 1.021 | |
| 10/15/2016 8:45:00 AM | 211500.000 | 10.628 | 16.608 |
| 23.940 | 35165.805 | 41878.137 | 27.001 |
| 28.477 | 28.437 | 1.019 | |
| 10/15/2016 9:00:00 AM | 212400.000 | 10.645 | 16.605 |
| 23.978 | 39438.816 | 46970.434 | 30.671 |
| 31.940 | 25.356 | 1.022 | |
| 10/15/2016 9:15:00 AM | 213300.000 | 10.686 | 16.606 |
| 24.072 | 36523.539 | 43497.203 | 28.161 |
| 29.578 | 27.380 | 1.020 | |
| 10/15/2016 9:30:00 AM | 214200.000 | 10.742 | 16.609 |
| 24.197 | 36400.809 | 43347.656 | 28.054 |
| 29.476 | 27.472 | 1.020 | |
| 10/15/2016 9:45:00 AM | 215100.000 | 10.793 | 16.611 |
| 24.313 | 34282.797 | 40824.371 | 26.249 |
| 27.761 | 29.169 | 1.019 | |
| 10/15/2016 10:00:00 AM | 216000.000 | 10.958 | 16.605 |
| 24.684 | 39465.656 | 47002.215 | 30.695 |
| 31.962 | 25.338 | 1.022 | |
| 10/15/2016 10:15:00 AM | 216900.000 | 11.055 | 16.608 |
| 24.902 | 39345.637 | 46856.453 | 30.589 |
| 31.862 | 25.416 | 1.022 | |
| 10/15/2016 10:30:00 AM | 217800.000 | 11.096 | 16.610 |
| 24.995 | 36376.434 | 43318.203 | 28.033 |
| 29.456 | 27.490 | 1.020 | |
| 10/15/2016 10:45:00 AM | 218700.000 | 11.133 | 16.611 |
| 25.078 | 36820.656 | 43845.879 | 28.412 |
| 29.815 | 27.159 | 1.021 | |
| 10/15/2016 11:00:00 AM | 219600.000 | 11.185 | 16.613 |
| 25.196 | 35116.684 | 41815.285 | 26.956 |
| 28.434 | 28.476 | 1.019 | |
| 10/15/2016 11:15:00 AM | 220500.000 | 11.251 | 16.609 |
| 25.343 | 39397.352 | 46916.828 | 30.633 |
| 31.903 | 25.382 | 1.022 | |
| 10/15/2016 11:30:00 AM | 221400.000 | 11.284 | 16.611 |
| 25.418 | 39395.035 | 46911.617 | 30.629 |
| 31.900 | 25.384 | 1.022 | |

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| 10/15/2016 11:45:00 AM | 222300.000 | 11.339 | 16.612 |
| 25.541 | 39396.191 | 46911.582 | 30.629 |
| 31.900 | 25.383 | 1.022 | |
| 10/15/2016 12:00:00 PM | 223200.000 | 11.163 | 16.613 |
| 25.147 | 36437.602 | 43387.563 | 28.083 |
| 29.504 | 27.444 | 1.020 | |
| 10/15/2016 12:15:00 PM | 224100.000 | 11.304 | 16.613 |
| 25.464 | 36711.918 | 43714.199 | 28.317 |
| 29.726 | 27.239 | 1.020 | |
| 10/15/2016 12:30:00 PM | 225000.000 | 11.138 | 16.614 |
| 25.088 | 36768.391 | 43781.188 | 28.365 |
| 29.771 | 27.197 | 1.021 | |
| 10/15/2016 12:45:00 PM | 225900.000 | 11.168 | 16.615 |
| 25.156 | 34250.504 | 40782.078 | 26.220 |
| 27.732 | 29.197 | 1.019 | |
| 10/15/2016 1:00:00 PM | 226800.000 | 11.165 | 16.612 |
| 25.151 | 39199.121 | 46677.766 | 30.459 |
| 31.741 | 25.511 | 1.022 | |
| 10/15/2016 1:15:00 PM | 227700.000 | 11.217 | 16.612 |
| 25.267 | 39339.512 | 46844.563 | 30.580 |
| 31.854 | 25.420 | 1.022 | |
| 10/15/2016 1:30:00 PM | 228600.000 | 11.088 | 16.613 |
| 24.978 | 37267.203 | 44375.848 | 28.794 |
| 30.176 | 26.833 | 1.021 | |
| 10/15/2016 1:45:00 PM | 229500.000 | 11.134 | 16.615 |
| 25.081 | 37495.695 | 44646.125 | 28.989 |
| 30.359 | 26.670 | 1.021 | |
| 10/15/2016 2:00:00 PM | 230400.000 | 10.874 | 16.617 |
| 24.496 | 34997.227 | 41669.527 | 26.852 |
| 28.335 | 28.574 | 1.019 | |
| 10/15/2016 2:15:00 PM | 231300.000 | 10.569 | 16.606 |
| 23.807 | 39575.766 | 47132.023 | 30.789 |
| 32.050 | 25.268 | 1.022 | |
| 10/15/2016 2:30:00 PM | 232200.000 | 10.631 | 16.610 |
| 23.947 | 37143.375 | 44231.500 | 28.689 |
| 30.077 | 26.923 | 1.021 | |
| 10/15/2016 2:45:00 PM | 233100.000 | 10.626 | 16.612 |
| 23.937 | 35101.984 | 41798.449 | 26.944 |
| 28.423 | 28.488 | 1.019 | |
| 10/15/2016 3:00:00 PM | 234000.000 | 10.571 | 16.607 |
| 23.811 | 39501.375 | 47043.055 | 30.724 |
| 31.989 | 25.316 | 1.022 | |
| 10/15/2016 3:15:00 PM | 234900.000 | 10.548 | 16.611 |
| 23.761 | 36997.090 | 44055.977 | 28.563 |
| 29.958 | 27.029 | 1.021 | |
| 10/15/2016 3:30:00 PM | 235800.000 | 10.588 | 16.612 |
| 23.849 | 33535.664 | 39933.074 | 25.616 |
| 27.154 | 29.819 | 1.018 | |
| 10/15/2016 3:45:00 PM | 236700.000 | 10.517 | 16.614 |
| 23.690 | 38966.238 | 46398.316 | 30.256 |
| 31.551 | 25.663 | 1.022 | |
| 10/15/2016 4:00:00 PM | 237600.000 | 10.606 | 16.613 |
| 23.891 | 35787.512 | 42613.738 | 27.527 |
| 28.977 | 27.943 | 1.020 | |

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|---|---|---|---|
| 10/15/2016 4:15:00 PM | 238500.000 | 10.556 | 16.607 |
| 23.778 | 39516.320 | 47060.102 | 30.737 |
| 32.001 | 25.306 | 1.022 | |
| 10/15/2016 4:30:00 PM | 239400.000 | 10.631 | 16.611 |
| 23.947 | 36836.047 | 43864.551 | 28.425 |
| 29.828 | 27.147 | 1.021 | |
| 10/15/2016 4:45:00 PM | 240300.000 | 10.616 | 16.614 |
| 23.913 | 35122.293 | 41821.129 | 26.960 |
| 28.438 | 28.472 | 1.019 | |
| 10/15/2016 5:00:00 PM | 241200.000 | 10.521 | 16.608 |
| 23.700 | 39563.191 | 47115.168 | 30.777 |
| 32.038 | 25.276 | 1.022 | |
| 10/15/2016 5:15:00 PM | 242100.000 | 10.604 | 16.610 |
| 23.888 | 37041.039 | 44109.367 | 28.601 |
| 29.994 | 26.997 | 1.021 | |
| 10/15/2016 5:30:00 PM | 243000.000 | 10.499 | 16.612 |
| 23.650 | 34036.449 | 40529.563 | 26.040 |
| 27.560 | 29.380 | 1.019 | |
| 10/15/2016 5:45:00 PM | 243900.000 | 10.639 | 16.609 |
| 23.966 | 39566.133 | 47117.434 | 30.779 |
| 32.040 | 25.274 | 1.022 | |
| 10/15/2016 6:00:00 PM | 244800.000 | 10.585 | 16.613 |
| 23.844 | 37129.359 | 44211.801 | 28.675 |
| 30.064 | 26.933 | 1.021 | |
| 10/15/2016 6:15:00 PM | 245700.000 | 10.678 | 16.614 |
| 24.053 | 33909.789 | 40376.953 | 25.931 |
| 27.456 | 29.490 | 1.019 | |
| 10/15/2016 6:30:00 PM | 246600.000 | 10.637 | 16.608 |
| 23.960 | 39539.191 | 47086.391 | 30.756 |
| 32.019 | 25.291 | 1.022 | |
| 10/15/2016 6:45:00 PM | 247500.000 | 10.555 | 16.613 |
| 23.777 | 36660.441 | 43653.258 | 28.273 |
| 29.684 | 27.277 | 1.020 | |
| 10/15/2016 7:00:00 PM | 248400.000 | 10.554 | 16.608 |
| 23.773 | 39604.762 | 47164.387 | 30.813 |
| 32.072 | 25.249 | 1.022 | |
| 10/15/2016 7:15:00 PM | 249300.000 | 10.612 | 16.609 |
| 23.904 | 39508.137 | 47048.195 | 30.728 |
| 31.993 | 25.311 | 1.022 | |
| 10/15/2016 7:30:00 PM | 250200.000 | 10.704 | 16.613 |
| 24.112 | 37145.258 | 44230.465 | 28.689 |
| 30.077 | 26.921 | 1.021 | |
| 10/15/2016 7:45:00 PM | 251100.000 | 10.559 | 16.614 |
| 23.785 | 33503.215 | 39893.082 | 25.588 |
| 27.127 | 29.848 | 1.018 | |
| 10/15/2016 8:00:00 PM | 252000.000 | 10.709 | 16.608 |
| 24.122 | 39565.336 | 47117.340 | 30.779 |
| 32.040 | 25.275 | 1.022 | |
| 10/15/2016 8:15:00 PM | 252900.000 | 10.735 | 16.612 |
| 24.183 | 37563.926 | 44730.512 | 29.049 |
| 30.417 | 26.621 | 1.021 | |
| 10/15/2016 8:30:00 PM | 253800.000 | 10.670 | 16.613 |
| 24.034 | 34339.961 | 40889.984 | 26.296 |
| 27.805 | 29.121 | 1.019 | |

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|---|---|---|---|
| 10/15/2016 8:45:00 PM | 254700.000 | 10.734 | 16.609 |
| 24.180 | 39517.098 | 47059.703 | 30.737 |
| 32.001 | 25.306 | 1.022 | |
| 10/15/2016 9:00:00 PM | 255600.000 | 10.685 | 16.612 |
| 24.068 | 36743.848 | 43754.148 | 28.346 |
| 29.753 | 27.215 | 1.021 | |
| 10/15/2016 9:15:00 PM | 256500.000 | 10.756 | 16.614 |
| 24.229 | 35357.188 | 42100.988 | 27.160 |
| 28.629 | 28.283 | 1.020 | |
| 10/15/2016 9:30:00 PM | 257400.000 | 10.754 | 16.613 |
| 24.225 | 38825.762 | 46231.320 | 30.135 |
| 31.437 | 25.756 | 1.022 | |
| 10/15/2016 9:45:00 PM | 258300.000 | 10.850 | 16.609 |
| 24.441 | 39517.648 | 47059.520 | 30.737 |
| 32.000 | 25.305 | 1.022 | |
| 10/15/2016 10:00:00 PM | 259200.000 | 10.818 | 16.611 |
| 24.369 | 37163.883 | 44254.684 | 28.706 |
| 30.093 | 26.908 | 1.021 | |
| 10/15/2016 10:15:00 PM | 260100.000 | 11.087 | 16.612 |
| 24.976 | 35070.445 | 41760.895 | 26.917 |
| 28.397 | 28.514 | 1.019 | |
| 10/15/2016 10:30:00 PM | 261000.000 | 11.368 | 16.611 |
| 25.608 | 39463.816 | 46993.156 | 30.688 |
| 31.955 | 25.340 | 1.022 | |
| 10/15/2016 10:45:00 PM | 261900.000 | 11.514 | 16.614 |
| 25.936 | 39469.855 | 46997.801 | 30.692 |
| 31.959 | 25.336 | 1.022 | |
| 10/15/2016 11:00:00 PM | 262800.000 | 11.598 | 16.616 |
| 26.125 | 39466.859 | 46991.402 | 30.687 |
| 31.954 | 25.338 | 1.022 | |
| 10/15/2016 11:15:00 PM | 263700.000 | 11.553 | 16.616 |
| 26.024 | 39383.434 | 46892.070 | 30.615 |
| 31.887 | 25.391 | 1.022 | |
| 10/15/2016 11:30:00 PM | 264600.000 | 11.536 | 16.618 |
| 25.986 | 36316.797 | 43238.961 | 27.976 |
| 29.402 | 27.535 | 1.020 | |
| 10/15/2016 11:45:00 PM | 265500.000 | 11.572 | 16.617 |
| 26.066 | 36661.258 | 43650.031 | 28.271 |
| 29.682 | 27.277 | 1.020 | |
| 10/16/2016 12:00:00 AM | 266400.000 | 11.524 | 16.618 |
| 25.960 | 36028.297 | 42895.902 | 27.730 |
| 29.169 | 27.756 | 1.020 | |
| 10/16/2016 12:15:00 AM | 267300.000 | 11.484 | 16.619 |
| 25.870 | 36243.160 | 43150.594 | 27.913 |
| 29.342 | 27.591 | 1.020 | |
| 10/16/2016 12:30:00 AM | 268200.000 | 11.348 | 16.618 |
| 25.562 | 34955.438 | 41617.953 | 26.816 |
| 28.300 | 28.608 | 1.019 | |
| 10/16/2016 12:45:00 AM | 269100.000 | 11.383 | 16.613 |
| 25.641 | 39391.379 | 46905.391 | 30.625 |
| 31.896 | 25.386 | 1.022 | |
| 10/16/2016 1:00:00 AM | 270000.000 | 11.417 | 16.616 |
| 25.718 | 39484.504 | 47013.164 | 30.703 |
| 31.969 | 25.326 | 1.022 | |

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|---|---|---|---|
| 10/16/2016 1:15:00 AM | 270900.000 | 11.309 | 16.617 |
| 25.475 | 39437.348 | 46955.801 | 30.662 |
| 31.930 | 25.357 | 1.022 | |
| 10/16/2016 1:30:00 AM | 271800.000 | 11.116 | 16.617 |
| 25.039 | 38067.406 | 45324.691 | 29.479 |
| 30.821 | 26.269 | 1.021 | |
| 10/16/2016 1:45:00 AM | 272700.000 | 10.902 | 16.616 |
| 24.559 | 35955.434 | 42810.938 | 27.669 |
| 29.111 | 27.812 | 1.020 | |
| 10/16/2016 2:00:00 AM | 273600.000 | 10.861 | 16.613 |
| 24.465 | 38681.406 | 46059.988 | 30.011 |
| 31.321 | 25.852 | 1.022 | |
| 10/16/2016 2:15:00 AM | 274500.000 | 10.908 | 16.609 |
| 24.572 | 39608.750 | 47168.008 | 30.815 |
| 32.074 | 25.247 | 1.022 | |
| 10/16/2016 2:30:00 AM | 275400.000 | 10.858 | 16.612 |
| 24.458 | 37352.043 | 44477.402 | 28.867 |
| 30.245 | 26.772 | 1.021 | |
| 10/16/2016 2:45:00 AM | 276300.000 | 10.741 | 16.614 |
| 24.194 | 35649.078 | 42447.711 | 27.409 |
| 28.864 | 28.051 | 1.020 | |
| 10/16/2016 3:00:00 AM | 277200.000 | 10.753 | 16.609 |
| 24.222 | 39580.590 | 47135.125 | 30.791 |
| 32.052 | 25.265 | 1.022 | |
| 10/16/2016 3:15:00 AM | 278100.000 | 10.674 | 16.611 |
| 24.045 | 37246.930 | 44353.383 | 28.777 |
| 30.160 | 26.848 | 1.021 | |
| 10/16/2016 3:30:00 AM | 279000.000 | 10.640 | 16.614 |
| 23.968 | 36132.395 | 43023.801 | 27.821 |
| 29.256 | 27.676 | 1.020 | |
| 10/16/2016 3:45:00 AM | 279900.000 | 10.615 | 16.607 |
| 23.911 | 39607.938 | 47169.488 | 30.816 |
| 32.075 | 25.247 | 1.022 | |
| 10/16/2016 4:00:00 AM | 280800.000 | 10.616 | 16.610 |
| 23.914 | 37324.250 | 44447.066 | 28.845 |
| 30.224 | 26.792 | 1.021 | |
| 10/16/2016 4:15:00 AM | 281700.000 | 10.614 | 16.614 |
| 23.909 | 35574.203 | 42359.145 | 27.345 |
| 28.804 | 28.110 | 1.020 | |
| 10/16/2016 4:30:00 AM | 282600.000 | 10.538 | 16.608 |
| 23.738 | 39606.094 | 47166.262 | 30.814 |
| 32.073 | 25.249 | 1.022 | |
| 10/16/2016 4:45:00 AM | 283500.000 | 10.641 | 16.612 |
| 23.971 | 36970.277 | 44023.688 | 28.540 |
| 29.936 | 27.049 | 1.021 | |
| 10/16/2016 5:00:00 AM | 284400.000 | 10.502 | 16.613 |
| 23.657 | 34857.582 | 41506.508 | 26.736 |
| 28.224 | 28.688 | 1.019 | |
| 10/16/2016 5:15:00 AM | 285300.000 | 10.596 | 16.608 |
| 23.869 | 39542.254 | 47089.852 | 30.759 |
| 32.021 | 25.289 | 1.022 | |
| 10/16/2016 5:30:00 AM | 286200.000 | 10.660 | 16.611 |
| 24.013 | 37722.094 | 44919.398 | 29.186 |
| 30.545 | 26.510 | 1.021 | |

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|---|---|---|---|
| 10/16/2016 5:45:00 AM | 287100.000 | 10.646 | 16.614 |
| 23.982 | 34576.305 | 41170.836 | 26.496 |
| 27.996 | 28.922 | 1.019 | |
| 10/16/2016 6:00:00 AM | 288000.000 | 10.635 | 16.610 |
| 23.957 | 39601.355 | 47158.727 | 30.809 |
| 32.068 | 25.252 | 1.022 | |
| 10/16/2016 6:15:00 AM | 288900.000 | 10.616 | 16.613 |
| 23.914 | 37253.363 | 44359.090 | 28.782 |
| 30.164 | 26.843 | 1.021 | |
| 10/16/2016 6:30:00 AM | 289800.000 | 10.666 | 16.611 |
| 24.026 | 39720.102 | 47298.418 | 30.910 |
| 32.163 | 25.176 | 1.022 | |
| 10/16/2016 6:45:00 AM | 290700.000 | 10.539 | 16.609 |
| 23.740 | 39549.652 | 47098.285 | 30.765 |
| 32.027 | 25.285 | 1.022 | |
| 10/16/2016 7:00:00 AM | 291600.000 | 10.599 | 16.612 |
| 23.876 | 36516.398 | 43482.695 | 28.151 |
| 29.568 | 27.385 | 1.020 | |
| 10/16/2016 7:15:00 AM | 292500.000 | 10.655 | 16.611 |
| 24.001 | 39579.637 | 47131.738 | 30.789 |
| 32.050 | 25.266 | 1.022 | |
| 10/16/2016 7:30:00 AM | 293400.000 | 10.675 | 16.609 |
| 24.046 | 39542.789 | 47089.930 | 30.759 |
| 32.021 | 25.289 | 1.022 | |
| 10/16/2016 7:45:00 AM | 294300.000 | 10.800 | 16.612 |
| 24.329 | 37340.105 | 44464.074 | 28.857 |
| 30.236 | 26.781 | 1.021 | |
| 10/16/2016 8:00:00 AM | 295200.000 | 10.721 | 16.615 |
| 24.151 | 34773.402 | 41404.863 | 26.663 |
| 28.155 | 28.758 | 1.019 | |
| 10/16/2016 8:15:00 AM | 296100.000 | 10.688 | 16.614 |
| 24.076 | 38937.133 | 46363.098 | 30.231 |
| 31.527 | 25.682 | 1.022 | |
| 10/16/2016 8:30:00 AM | 297000.000 | 10.700 | 16.613 |
| 24.103 | 37455.543 | 44600.551 | 28.956 |
| 30.328 | 26.698 | 1.021 | |
| 10/16/2016 8:45:00 AM | 297900.000 | 10.715 | 16.615 |
| 24.137 | 34947.285 | 41611.828 | 26.811 |
| 28.296 | 28.615 | 1.019 | |
| 10/16/2016 9:00:00 AM | 298800.000 | 10.848 | 16.608 |
| 24.437 | 39556.762 | 47107.594 | 30.771 |
| 32.033 | 25.280 | 1.022 | |
| 10/16/2016 9:15:00 AM | 299700.000 | 11.025 | 16.610 |
| 24.835 | 39430.668 | 46955.281 | 30.661 |
| 31.930 | 25.361 | 1.022 | |
| 10/16/2016 9:30:00 AM | 300600.000 | 11.036 | 16.614 |
| 24.860 | 37562.797 | 44727.109 | 29.047 |
| 30.414 | 26.622 | 1.021 | |
| 10/16/2016 9:45:00 AM | 301500.000 | 11.178 | 16.616 |
| 25.179 | 35643.414 | 42439.000 | 27.402 |
| 28.859 | 28.056 | 1.020 | |
| 10/16/2016 10:00:00 AM | 302400.000 | 11.264 | 16.614 |
| 25.373 | 33844.254 | 40299.168 | 25.876 |
| 27.403 | 29.547 | 1.019 | |

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|---|---|---|---|
| 10/16/2016 10:15:00 AM | 303300.000 | 11.510 | 16.614 |
| 25.928 | 39182.270 | 46655.270 | 30.443 |
| 31.726 | 25.522 | 1.022 | |
| 10/16/2016 10:30:00 AM | 304200.000 | 11.377 | 16.615 |
| 25.628 | 39355.008 | 46859.262 | 30.591 |
| 31.864 | 25.410 | 1.022 | |
| 10/16/2016 10:45:00 AM | 305100.000 | 11.418 | 16.617 |
| 25.720 | 39383.930 | 46892.105 | 30.615 |
| 31.887 | 25.391 | 1.022 | |
| 10/16/2016 11:00:00 AM | 306000.000 | 11.431 | 16.619 |
| 25.748 | 37266.551 | 44369.109 | 28.789 |
| 30.171 | 26.834 | 1.021 | |
| 10/16/2016 11:15:00 AM | 306900.000 | 11.504 | 16.618 |
| 25.914 | 36453.961 | 43402.094 | 28.093 |
| 29.513 | 27.432 | 1.020 | |
| 10/16/2016 11:30:00 AM | 307800.000 | 11.447 | 16.619 |
| 25.786 | 35896.199 | 42737.504 | 27.616 |
| 29.062 | 27.858 | 1.020 | |
| 10/16/2016 11:45:00 AM | 308700.000 | 11.390 | 16.620 |
| 25.657 | 35093.160 | 41780.250 | 26.932 |
| 28.411 | 28.496 | 1.019 | |
| 10/16/2016 12:00:00 PM | 309600.000 | 11.332 | 16.616 |
| 25.527 | 38781.215 | 46175.324 | 30.095 |
| 31.399 | 25.786 | 1.022 | |
| 10/16/2016 12:15:00 PM | 310500.000 | 11.383 | 16.613 |
| 25.641 | 39559.578 | 47105.301 | 30.770 |
| 32.032 | 25.278 | 1.022 | |
| 10/16/2016 12:30:00 PM | 311400.000 | 11.383 | 16.614 |
| 25.641 | 39576.496 | 47124.684 | 30.784 |
| 32.045 | 25.268 | 1.022 | |
| 10/16/2016 12:45:00 PM | 312300.000 | 11.354 | 16.617 |
| 25.575 | 37109.422 | 44184.418 | 28.656 |
| 30.045 | 26.947 | 1.021 | |
| 10/16/2016 1:00:00 PM | 313200.000 | 11.252 | 16.617 |
| 25.345 | 36536.160 | 43501.086 | 28.164 |
| 29.581 | 27.370 | 1.020 | |
| 10/16/2016 1:15:00 PM | 314100.000 | 11.268 | 16.617 |
| 25.382 | 36124.441 | 43011.313 | 27.813 |
| 29.248 | 27.682 | 1.020 | |
| 10/16/2016 1:30:00 PM | 315000.000 | 11.410 | 16.619 |
| 25.703 | 34450.219 | 41016.355 | 26.387 |
| 27.891 | 29.027 | 1.019 | |
| 10/16/2016 1:45:00 PM | 315900.000 | 11.392 | 16.614 |
| 25.661 | 39634.191 | 47193.012 | 30.834 |
| 32.091 | 25.231 | 1.022 | |
| 10/16/2016 2:00:00 PM | 316800.000 | 11.473 | 16.616 |
| 25.844 | 39578.188 | 47124.906 | 30.784 |
| 32.045 | 25.266 | 1.022 | |
| 10/16/2016 2:15:00 PM | 317700.000 | 11.434 | 16.616 |
| 25.757 | 39611.266 | 47163.727 | 30.813 |
| 32.071 | 25.245 | 1.022 | |
| 10/16/2016 2:30:00 PM | 318600.000 | 11.362 | 16.619 |
| 25.594 | 37572.910 | 44733.859 | 29.052 |
| 30.419 | 26.615 | 1.021 | |

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|---|---|---|---|
| 10/16/2016 2:45:00 PM | 319500.000 | 11.247 | 16.618 |
| 25.336 | 36681.203 | 43672.824 | 28.288 |
| 29.698 | 27.262 | 1.020 | |
| 10/16/2016 3:00:00 PM | 320400.000 | 11.125 | 16.618 |
| 25.059 | 35066.906 | 41751.254 | 26.911 |
| 28.391 | 28.517 | 1.019 | |
| 10/16/2016 3:15:00 PM | 321300.000 | 10.969 | 16.614 |
| 24.708 | 39340.758 | 46843.895 | 30.580 |
| 31.854 | 25.419 | 1.022 | |
| 10/16/2016 3:30:00 PM | 322200.000 | 10.814 | 16.615 |
| 24.360 | 39499.156 | 47031.281 | 30.716 |
| 31.981 | 25.317 | 1.022 | |
| 10/16/2016 3:45:00 PM | 323100.000 | 10.574 | 16.616 |
| 23.819 | 35858.352 | 42694.918 | 27.586 |
| 29.033 | 27.888 | 1.020 | |
| 10/16/2016 4:00:00 PM | 324000.000 | 10.479 | 16.609 |
| 23.606 | 39699.980 | 47277.219 | 30.895 |
| 32.149 | 25.189 | 1.022 | |
| 10/16/2016 4:15:00 PM | 324900.000 | 10.403 | 16.612 |
| 23.433 | 36893.250 | 43931.613 | 28.474 |
| 29.873 | 27.105 | 1.021 | |
| 10/16/2016 4:30:00 PM | 325800.000 | 10.296 | 16.609 |
| 23.193 | 39709.590 | 47288.461 | 30.903 |
| 32.156 | 25.183 | 1.022 | |
| 10/16/2016 4:45:00 PM | 326700.000 | 10.281 | 16.613 |
| 23.158 | 36311.711 | 43238.266 | 27.975 |
| 29.402 | 27.539 | 1.020 | |
| 10/16/2016 5:00:00 PM | 327600.000 | 10.280 | 16.608 |
| 23.156 | 39772.770 | 47364.465 | 30.958 |
| 32.208 | 25.143 | 1.023 | |
| 10/16/2016 5:15:00 PM | 328500.000 | 10.190 | 16.611 |
| 22.953 | 34780.094 | 41416.234 | 26.671 |
| 28.163 | 28.752 | 1.019 | |
| 10/16/2016 5:30:00 PM | 329400.000 | 10.103 | 16.609 |
| 22.758 | 37066.238 | 44140.609 | 28.624 |
| 30.016 | 26.979 | 1.021 | |
| 10/16/2016 5:45:00 PM | 330300.000 | 9.992 | 16.608 |
| 22.508 | 39775.910 | 47368.492 | 30.961 |
| 32.211 | 25.141 | 1.023 | |
| 10/16/2016 6:00:00 PM | 331200.000 | 10.002 | 16.612 |
| 22.530 | 36437.793 | 43388.746 | 28.083 |
| 29.504 | 27.444 | 1.020 | |
| 10/16/2016 6:15:00 PM | 332100.000 | 10.146 | 16.607 |
| 22.854 | 39650.957 | 47220.246 | 30.853 |
| 32.110 | 25.220 | 1.022 | |
| 10/16/2016 6:30:00 PM | 333000.000 | 10.221 | 16.612 |
| 23.024 | 34824.691 | 41468.512 | 26.709 |
| 28.199 | 28.715 | 1.019 | |
| 10/16/2016 6:45:00 PM | 333900.000 | 10.240 | 16.609 |
| 23.066 | 36595.711 | 43580.371 | 28.221 |
| 29.635 | 27.326 | 1.020 | |
| 10/16/2016 7:00:00 PM | 334800.000 | 10.202 | 16.609 |
| 22.982 | 39724.324 | 47306.395 | 30.916 |
| 32.168 | 25.173 | 1.022 | |

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|---|---|---|---|
| 10/16/2016 7:15:00 PM | 335700.000 | 10.332 | 16.611 |
| 23.273 | 37880.922 | 45108.262 | 29.322 |
| 30.674 | 26.399 | 1.021 | |
| 10/16/2016 7:30:00 PM | 336600.000 | 10.365 | 16.608 |
| 23.349 | 39723.383 | 47305.555 | 30.915 |
| 32.168 | 25.174 | 1.022 | |
| 10/16/2016 7:45:00 PM | 337500.000 | 10.368 | 16.610 |
| 23.355 | 37233.473 | 44338.254 | 28.766 |
| 30.150 | 26.858 | 1.021 | |
| 10/16/2016 8:00:00 PM | 338400.000 | 10.403 | 16.612 |
| 23.433 | 33568.074 | 39971.754 | 25.644 |
| 27.181 | 29.790 | 1.018 | |
| 10/16/2016 8:15:00 PM | 339300.000 | 10.485 | 16.610 |
| 23.620 | 39573.406 | 47125.258 | 30.784 |
| 32.045 | 25.269 | 1.022 | |
| 10/16/2016 8:30:00 PM | 340200.000 | 10.491 | 16.613 |
| 23.633 | 35778.832 | 42603.223 | 27.520 |
| 28.970 | 27.949 | 1.020 | |
| 10/16/2016 8:45:00 PM | 341100.000 | 10.598 | 16.609 |
| 23.872 | 39660.215 | 47229.770 | 30.860 |
| 32.116 | 25.214 | 1.022 | |
| 10/16/2016 9:00:00 PM | 342000.000 | 10.659 | 16.612 |
| 24.009 | 37687.789 | 44877.828 | 29.156 |
| 30.517 | 26.534 | 1.021 | |
| 10/16/2016 9:15:00 PM | 342900.000 | 10.601 | 16.614 |
| 23.879 | 34809.309 | 41448.531 | 26.694 |
| 28.185 | 28.728 | 1.019 | |
| 10/16/2016 9:30:00 PM | 343800.000 | 10.632 | 16.610 |
| 23.949 | 39594.418 | 47149.992 | 30.802 |
| 32.062 | 25.256 | 1.022 | |
| 10/16/2016 9:45:00 PM | 344700.000 | 10.671 | 16.614 |
| 24.038 | 36927.695 | 43970.348 | 28.502 |
| 29.900 | 27.080 | 1.021 | |
| 10/16/2016 10:00:00 PM | 345600.000 | 10.668 | 16.614 |
| 24.030 | 34615.391 | 41216.891 | 26.529 |
| 28.027 | 28.889 | 1.019 | |
| 10/16/2016 10:15:00 PM | 346500.000 | 10.686 | 16.609 |
| 24.071 | 39670.664 | 47242.211 | 30.869 |
| 32.125 | 25.208 | 1.022 | |
| 10/16/2016 10:30:00 PM | 347400.000 | 10.805 | 16.613 |
| 24.339 | 36407.125 | 43351.973 | 28.057 |
| 29.479 | 27.467 | 1.020 | |
| 10/16/2016 10:45:00 PM | 348300.000 | 10.765 | 16.613 |
| 24.248 | 35669.598 | 42473.332 | 27.427 |
| 28.882 | 28.035 | 1.020 | |
| 10/16/2016 11:00:00 PM | 349200.000 | 10.838 | 16.610 |
| 24.414 | 39611.266 | 47170.340 | 30.817 |
| 32.076 | 25.245 | 1.022 | |
| 10/16/2016 11:15:00 PM | 350100.000 | 10.821 | 16.611 |
| 24.376 | 39600.027 | 47155.641 | 30.807 |
| 32.066 | 25.253 | 1.022 | |
| 10/16/2016 11:30:00 PM | 351000.000 | 10.804 | 16.614 |
| 24.338 | 37086.043 | 44159.594 | 28.638 |
| 30.029 | 26.964 | 1.021 | |

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|---|---|---|---|
| 10/16/2016 11:45:00 PM | 351900.000 | 10.819 | 16.615 |
| 24.370 | 34908.273 | 41565.125 | 26.778 |
| 28.264 | 28.647 | 1.019 | |
| 10/17/2016 12:00:00 AM | 352800.000 | 10.814 | 16.608 |
| 24.360 | 39650.594 | 47219.156 | 30.853 |
| 32.109 | 25.220 | 1.022 | |
| 10/17/2016 12:15:00 AM | 353700.000 | 10.729 | 16.610 |
| 24.169 | 37175.262 | 44269.648 | 28.717 |
| 30.103 | 26.900 | 1.021 | |
| 10/17/2016 12:30:00 AM | 354600.000 | 10.589 | 16.614 |
| 23.852 | 35943.445 | 42798.813 | 27.660 |
| 29.103 | 27.821 | 1.020 | |
| 10/17/2016 12:45:00 AM | 355500.000 | 10.549 | 16.608 |
| 23.762 | 39650.797 | 47219.113 | 30.853 |
| 32.109 | 25.220 | 1.022 | |
| 10/17/2016 1:00:00 AM | 356400.000 | 10.499 | 16.611 |
| 23.649 | 36287.832 | 43211.484 | 27.956 |
| 29.384 | 27.557 | 1.020 | |
| 10/17/2016 1:15:00 AM | 357300.000 | 10.422 | 16.613 |
| 23.476 | 34355.461 | 40908.941 | 26.310 |
| 27.818 | 29.107 | 1.019 | |
| 10/17/2016 1:30:00 AM | 358200.000 | 10.350 | 16.608 |
| 23.315 | 39560.719 | 47111.840 | 30.775 |
| 32.036 | 25.278 | 1.022 | |
| 10/17/2016 1:45:00 AM | 359100.000 | 10.263 | 16.611 |
| 23.119 | 35285.445 | 42018.012 | 27.101 |
| 28.572 | 28.340 | 1.020 | |
| 10/17/2016 2:00:00 AM | 360000.000 | 10.249 | 16.607 |
| 23.086 | 39620.445 | 47184.383 | 30.827 |
| 32.085 | 25.239 | 1.022 | |
| 10/17/2016 2:15:00 AM | 360900.000 | 10.225 | 16.614 |
| 23.034 | 35870.500 | 42712.125 | 27.598 |
| 29.044 | 27.878 | 1.020 | |
| 10/17/2016 2:30:00 AM | 361800.000 | 10.220 | 16.606 |
| 23.021 | 39486.695 | 47026.422 | 30.712 |
| 31.978 | 25.325 | 1.022 | |
| 10/17/2016 2:45:00 AM | 362700.000 | 10.219 | 16.612 |
| 23.020 | 34822.184 | 41465.594 | 26.707 |
| 28.197 | 28.717 | 1.019 | |
| 10/17/2016 3:00:00 AM | 363600.000 | 10.181 | 16.608 |
| 22.933 | 39596.113 | 47154.563 | 30.806 |
| 32.065 | 25.255 | 1.022 | |
| 10/17/2016 3:15:00 AM | 364500.000 | 10.346 | 16.610 |
| 23.305 | 34850.410 | 41501.211 | 26.732 |
| 28.221 | 28.694 | 1.019 | |
| 10/17/2016 3:30:00 AM | 365400.000 | 10.587 | 16.615 |
| 23.849 | 38700.941 | 46080.941 | 30.026 |
| 31.335 | 25.839 | 1.022 | |
| 10/17/2016 3:45:00 AM | 366300.000 | 10.510 | 16.614 |
| 23.675 | 36441.781 | 43392.105 | 28.086 |
| 29.507 | 27.441 | 1.020 | |
| 10/17/2016 4:00:00 AM | 367200.000 | 10.610 | 16.615 |
| 23.901 | 33439.680 | 39815.992 | 25.533 |
| 27.075 | 29.905 | 1.018 | |

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| 10/17/2016 4:15:00 AM | 368100.000 | 10.554 | 16.609 |
| 23.774 | 39624.582 | 47187.336 | 30.829 |
| 32.087 | 25.237 | 1.022 | |
| 10/17/2016 4:30:00 AM | 369000.000 | 10.521 | 16.614 |
| 23.700 | 36904.641 | 43943.594 | 28.482 |
| 29.882 | 27.097 | 1.021 | |
| 10/17/2016 4:45:00 AM | 369900.000 | 10.573 | 16.609 |
| 23.818 | 39629.984 | 47193.574 | 30.834 |
| 32.092 | 25.233 | 1.022 | |
| 10/17/2016 5:00:00 AM | 370800.000 | 10.549 | 16.610 |
| 23.764 | 39563.105 | 47113.070 | 30.776 |
| 32.037 | 25.276 | 1.022 | |
| 10/17/2016 5:15:00 AM | 371700.000 | 10.516 | 16.613 |
| 23.688 | 36104.930 | 42991.781 | 27.798 |
| 29.234 | 27.697 | 1.020 | |
| 10/17/2016 5:30:00 AM | 372600.000 | 10.650 | 16.607 |
| 23.990 | 39634.285 | 47200.496 | 30.839 |
| 32.096 | 25.231 | 1.022 | |
| 10/17/2016 5:45:00 AM | 373500.000 | 10.527 | 16.614 |
| 23.713 | 37478.656 | 44626.648 | 28.975 |
| 30.346 | 26.682 | 1.021 | |
| 10/17/2016 6:00:00 AM | 374400.000 | 10.444 | 16.613 |
| 23.526 | 33916.047 | 40385.211 | 25.937 |
| 27.462 | 29.485 | 1.019 | |
| 10/17/2016 6:15:00 AM | 375300.000 | 10.532 | 16.609 |
| 23.724 | 39545.434 | 47093.262 | 30.761 |
| 32.023 | 25.287 | 1.022 | |
| 10/17/2016 6:30:00 AM | 376200.000 | 10.570 | 16.612 |
| 23.810 | 36928.504 | 43973.332 | 28.504 |
| 29.902 | 27.079 | 1.021 | |
| 10/17/2016 6:45:00 AM | 377100.000 | 10.612 | 16.608 |
| 23.905 | 39521.090 | 47065.398 | 30.741 |
| 32.004 | 25.303 | 1.022 | |
| 10/17/2016 7:00:00 AM | 378000.000 | 10.559 | 16.610 |
| 23.785 | 36127.926 | 43021.836 | 27.820 |
| 29.255 | 27.679 | 1.020 | |
| 10/17/2016 7:15:00 AM | 378900.000 | 10.526 | 16.613 |
| 23.711 | 35969.988 | 42831.191 | 27.683 |
| 29.125 | 27.801 | 1.020 | |
| 10/17/2016 7:30:00 AM | 379800.000 | 10.666 | 16.606 |
| 24.026 | 39627.449 | 47193.672 | 30.834 |
| 32.092 | 25.235 | 1.022 | |
| 10/17/2016 7:45:00 AM | 380700.000 | 10.706 | 16.609 |
| 24.117 | 39452.258 | 46981.828 | 30.680 |
| 31.948 | 25.347 | 1.022 | |
| 10/17/2016 8:00:00 AM | 381600.000 | 10.711 | 16.613 |
| 24.127 | 37242.027 | 44345.691 | 28.772 |
| 30.155 | 26.851 | 1.021 | |
| 10/17/2016 8:15:00 AM | 382500.000 | 10.752 | 16.612 |
| 24.221 | 34349.668 | 40902.773 | 26.305 |
| 27.814 | 29.112 | 1.019 | |
| 10/17/2016 8:30:00 AM | 383400.000 | 10.932 | 16.609 |
| 24.626 | 39587.730 | 47143.344 | 30.797 |
| 32.057 | 25.260 | 1.022 | |

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|---|---|---|---|
| 10/17/2016 8:45:00 AM | 384300.000 | 11.076 | 16.610 |
| 24.950 | 39449.066 | 46976.805 | 30.676 |
| 31.944 | 25.349 | 1.022 | |
| 10/17/2016 9:00:00 AM | 385200.000 | 11.015 | 16.614 |
| 24.812 | 37069.160 | 44138.871 | 28.623 |
| 30.014 | 26.977 | 1.021 | |
| 10/17/2016 9:15:00 AM | 386100.000 | 11.071 | 16.614 |
| 24.938 | 36439.488 | 43388.859 | 28.084 |
| 29.504 | 27.443 | 1.020 | |
| 10/17/2016 9:30:00 AM | 387000.000 | 11.022 | 16.616 |
| 24.829 | 34097.992 | 40599.672 | 26.090 |
| 27.608 | 29.327 | 1.019 | |
| 10/17/2016 9:45:00 AM | 387900.000 | 11.014 | 16.612 |
| 24.811 | 39091.531 | 46549.195 | 30.366 |
| 31.653 | 25.581 | 1.022 | |
| 10/17/2016 10:00:00 AM | 388800.000 | 11.064 | 16.612 |
| 24.923 | 39207.750 | 46687.480 | 30.466 |
| 31.747 | 25.505 | 1.022 | |
| 10/17/2016 10:15:00 AM | 389700.000 | 10.982 | 16.614 |
| 24.739 | 36078.180 | 42958.980 | 27.775 |
| 29.212 | 27.718 | 1.020 | |
| 10/17/2016 10:30:00 AM | 390600.000 | 10.970 | 16.615 |
| 24.712 | 36377.168 | 43313.691 | 28.030 |
| 29.453 | 27.490 | 1.020 | |
| 10/17/2016 10:45:00 AM | 391500.000 | 11.014 | 16.615 |
| 24.811 | 34474.105 | 41048.488 | 26.409 |
| 27.913 | 29.007 | 1.019 | |
| 10/17/2016 11:00:00 AM | 392400.000 | 10.992 | 16.608 |
| 24.761 | 39538.230 | 47085.445 | 30.755 |
| 32.018 | 25.292 | 1.022 | |
| 10/17/2016 11:15:00 AM | 393300.000 | 11.000 | 16.609 |
| 24.779 | 39388.254 | 46905.797 | 30.625 |
| 31.896 | 25.388 | 1.022 | |
| 10/17/2016 11:30:00 AM | 394200.000 | 11.012 | 16.612 |
| 24.806 | 36683.539 | 43681.375 | 28.294 |
| 29.703 | 27.260 | 1.020 | |
| 10/17/2016 11:45:00 AM | 395100.000 | 11.037 | 16.613 |
| 24.863 | 35797.723 | 42625.801 | 27.536 |
| 28.986 | 27.935 | 1.020 | |
| 10/17/2016 12:00:00 PM | 396000.000 | 11.062 | 16.613 |
| 24.919 | 33898.289 | 40363.910 | 25.922 |
| 27.447 | 29.500 | 1.019 | |
| 10/17/2016 12:15:00 PM | 396900.000 | 11.045 | 16.608 |
| 24.880 | 39556.406 | 47106.801 | 30.771 |
| 32.033 | 25.280 | 1.022 | |
| 10/17/2016 12:30:00 PM | 397800.000 | 11.026 | 16.611 |
| 24.838 | 39618.961 | 47178.563 | 30.823 |
| 32.081 | 25.240 | 1.022 | |
| 10/17/2016 12:45:00 PM | 398700.000 | 10.987 | 16.612 |
| 24.750 | 36364.777 | 43302.066 | 28.021 |
| 29.445 | 27.499 | 1.020 | |
| 10/17/2016 1:00:00 PM | 399600.000 | 11.042 | 16.614 |
| 24.873 | 36201.504 | 43106.090 | 27.880 |
| 29.312 | 27.623 | 1.020 | |

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|---|---|---|---|
| 10/17/2016 1:15:00 PM | 400500.000 | 10.869 | 16.613 |
| 24.484 | 34895.094 | 41551.262 | 26.768 |
| 28.255 | 28.657 | 1.019 | |
| 10/17/2016 1:30:00 PM | 401400.000 | 10.931 | 16.610 |
| 24.622 | 39299.871 | 46799.895 | 30.548 |
| 31.824 | 25.445 | 1.022 | |
| 10/17/2016 1:45:00 PM | 402300.000 | 10.952 | 16.612 |
| 24.671 | 39334.324 | 46838.387 | 30.576 |
| 31.850 | 25.423 | 1.022 | |
| 10/17/2016 2:00:00 PM | 403200.000 | 10.862 | 16.612 |
| 24.467 | 37621.566 | 44799.148 | 29.099 |
| 30.463 | 26.580 | 1.021 | |
| 10/17/2016 2:15:00 PM | 404100.000 | 10.850 | 16.614 |
| 24.441 | 35763.102 | 42583.984 | 27.506 |
| 28.957 | 27.962 | 1.020 | |
| 10/17/2016 2:30:00 PM | 405000.000 | 10.719 | 16.607 |
| 24.145 | 39629.168 | 47194.586 | 30.835 |
| 32.092 | 25.234 | 1.022 | |
| 10/17/2016 2:45:00 PM | 405900.000 | 10.617 | 16.608 |
| 23.917 | 37110.445 | 44194.141 | 28.662 |
| 30.052 | 26.947 | 1.021 | |
| 10/17/2016 3:00:00 PM | 406800.000 | 10.463 | 16.612 |
| 23.569 | 35342.719 | 42085.367 | 27.149 |
| 28.618 | 28.294 | 1.020 | |
| 10/17/2016 3:15:00 PM | 407700.000 | 10.509 | 16.608 |
| 23.673 | 39317.656 | 46822.766 | 30.564 |
| 31.839 | 25.434 | 1.022 | |
| 10/17/2016 3:30:00 PM | 408600.000 | 10.317 | 16.613 |
| 23.239 | 36461.137 | 43416.195 | 28.103 |
| 29.523 | 27.426 | 1.020 | |
| 10/17/2016 3:45:00 PM | 409500.000 | 10.306 | 16.606 |
| 23.216 | 39590.105 | 47149.379 | 30.802 |
| 32.062 | 25.259 | 1.022 | |
| 10/17/2016 4:00:00 PM | 410400.000 | 10.290 | 16.610 |
| 23.180 | 36615.938 | 43603.223 | 28.237 |
| 29.650 | 27.311 | 1.020 | |
| 10/17/2016 4:15:00 PM | 411300.000 | 10.148 | 16.605 |
| 22.859 | 39590.781 | 47150.945 | 30.803 |
| 32.063 | 25.258 | 1.022 | |
| 10/17/2016 4:30:00 PM | 412200.000 | 10.066 | 16.609 |
| 22.674 | 35543.660 | 42327.613 | 27.322 |
| 28.783 | 28.134 | 1.020 | |
| 10/17/2016 4:45:00 PM | 413100.000 | 10.144 | 16.605 |
| 22.851 | 39607.426 | 47171.531 | 30.818 |
| 32.077 | 25.248 | 1.022 | |
| 10/17/2016 5:00:00 PM | 414000.000 | 10.162 | 16.610 |
| 22.890 | 34782.297 | 41419.352 | 26.673 |
| 28.165 | 28.750 | 1.019 | |
| 10/17/2016 5:15:00 PM | 414900.000 | 10.195 | 16.606 |
| 22.965 | 39616.004 | 47179.855 | 30.824 |
| 32.082 | 25.242 | 1.022 | |
| 10/17/2016 5:30:00 PM | 415800.000 | 10.185 | 16.610 |
| 22.942 | 34677.371 | 41294.652 | 26.585 |
| 28.080 | 28.837 | 1.019 | |

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|---|---|---|---|
| 10/17/2016 5:45:00 PM | 416700.000 | 10.230 | 16.607 |
| 23.044 | 36759.590 | 43777.102 | 28.362 |
| 29.768 | 27.204 | 1.021 | |
| 10/17/2016 6:00:00 PM | 417600.000 | 10.095 | 16.607 |
| 22.741 | 39720.164 | 47302.770 | 30.913 |
| 32.166 | 25.176 | 1.022 | |
| 10/17/2016 6:15:00 PM | 418500.000 | 10.220 | 16.607 |
| 23.021 | 38092.707 | 45364.984 | 29.507 |
| 30.848 | 26.252 | 1.021 | |
| 10/17/2016 6:30:00 PM | 419400.000 | 10.314 | 16.605 |
| 23.234 | 39656.344 | 47229.504 | 30.860 |
| 32.116 | 25.217 | 1.022 | |
| 10/17/2016 6:45:00 PM | 420300.000 | 10.218 | 16.609 |
| 23.016 | 36327.445 | 43260.473 | 27.991 |
| 29.417 | 27.527 | 1.020 | |
| 10/17/2016 7:00:00 PM | 421200.000 | 10.327 | 16.606 |
| 23.262 | 39726.320 | 47311.891 | 30.920 |
| 32.172 | 25.172 | 1.022 | |
| 10/17/2016 7:15:00 PM | 422100.000 | 10.293 | 16.609 |
| 23.185 | 37279.195 | 44394.309 | 28.807 |
| 30.188 | 26.825 | 1.021 | |
| 10/17/2016 7:30:00 PM | 423000.000 | 10.386 | 16.607 |
| 23.394 | 39647.117 | 47216.625 | 30.851 |
| 32.107 | 25.223 | 1.022 | |
| 10/17/2016 7:45:00 PM | 423900.000 | 10.308 | 16.608 |
| 23.220 | 37359.891 | 44491.109 | 28.876 |
| 30.254 | 26.767 | 1.021 | |
| 10/17/2016 8:00:00 PM | 424800.000 | 10.293 | 16.612 |
| 23.185 | 33531.652 | 39929.023 | 25.613 |
| 27.152 | 29.823 | 1.018 | |
| 10/17/2016 8:15:00 PM | 425700.000 | 10.376 | 16.607 |
| 23.372 | 39533.578 | 47081.406 | 30.752 |
| 32.015 | 25.295 | 1.022 | |
| 10/17/2016 8:30:00 PM | 426600.000 | 10.431 | 16.610 |
| 23.496 | 35655.109 | 42458.969 | 27.416 |
| 28.872 | 28.046 | 1.020 | |
| 10/17/2016 8:45:00 PM | 427500.000 | 10.405 | 16.607 |
| 23.439 | 39593.590 | 47152.688 | 30.804 |
| 32.064 | 25.257 | 1.022 | |
| 10/17/2016 9:00:00 PM | 428400.000 | 10.458 | 16.610 |
| 23.557 | 36660.938 | 43656.469 | 28.276 |
| 29.686 | 27.277 | 1.020 | |
| 10/17/2016 9:15:00 PM | 429300.000 | 10.558 | 16.611 |
| 23.783 | 38580.555 | 45942.102 | 29.925 |
| 31.241 | 25.920 | 1.022 | |
| 10/17/2016 9:30:00 PM | 430200.000 | 10.589 | 16.612 |
| 23.852 | 36448.152 | 43401.949 | 28.093 |
| 29.513 | 27.436 | 1.020 | |
| 10/17/2016 9:45:00 PM | 431100.000 | 10.556 | 16.613 |
| 23.778 | 35250.473 | 41974.344 | 27.070 |
| 28.543 | 28.368 | 1.020 | |
| 10/17/2016 10:00:00 PM | 432000.000 | 10.601 | 16.607 |
| 23.879 | 39619.777 | 47183.777 | 30.827 |
| 32.085 | 25.240 | 1.022 | |

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| 10/17/2016 10:15:00 PM | 432900.000 | 10.542 | 16.609 |
| 23.747 | 36427.395 | 43379.754 | 28.077 |
| 29.498 | 27.452 | 1.020 | |
| 10/17/2016 10:30:00 PM | 433800.000 | 10.639 | 16.612 |
| 23.966 | 35256.605 | 41982.895 | 27.076 |
| 28.548 | 28.363 | 1.020 | |
| 10/17/2016 10:45:00 PM | 434700.000 | 10.703 | 16.604 |
| 24.111 | 39671.426 | 47247.832 | 30.873 |
| 32.129 | 25.207 | 1.022 | |
| 10/17/2016 11:00:00 PM | 435600.000 | 10.773 | 16.608 |
| 24.267 | 37126.254 | 44213.320 | 28.676 |
| 30.065 | 26.935 | 1.021 | |
| 10/17/2016 11:15:00 PM | 436500.000 | 10.696 | 16.611 |
| 24.095 | 36009.887 | 42881.109 | 27.719 |
| 29.159 | 27.770 | 1.020 | |
| 10/17/2016 11:30:00 PM | 437400.000 | 10.802 | 16.608 |
| 24.332 | 39545.094 | 47093.805 | 30.761 |
| 32.024 | 25.288 | 1.022 | |
| 10/17/2016 11:45:00 PM | 438300.000 | 10.636 | 16.608 |
| 23.958 | 39516.613 | 47059.887 | 30.737 |
| 32.001 | 25.306 | 1.022 | |
| 10/18/2016 12:00:00 AM | 439200.000 | 10.687 | 16.611 |
| 24.073 | 37478.199 | 44629.051 | 28.976 |
| 30.348 | 26.682 | 1.021 | |
| 10/18/2016 12:15:00 AM | 440100.000 | 10.670 | 16.611 |
| 24.034 | 34396.934 | 40959.805 | 26.346 |
| 27.853 | 29.072 | 1.019 | |
| 10/18/2016 12:30:00 AM | 441000.000 | 10.573 | 16.614 |
| 23.817 | 38932.063 | 46357.438 | 30.227 |
| 31.523 | 25.686 | 1.022 | |
| 10/18/2016 12:45:00 AM | 441900.000 | 10.583 | 16.612 |
| 23.840 | 35960.340 | 42820.652 | 27.676 |
| 29.118 | 27.808 | 1.020 | |
| 10/18/2016 1:00:00 AM | 442800.000 | 10.429 | 16.608 |
| 23.493 | 39600.027 | 47159.223 | 30.809 |
| 32.068 | 25.253 | 1.022 | |
| 10/18/2016 1:15:00 AM | 443700.000 | 10.320 | 16.607 |
| 23.248 | 36863.266 | 43900.754 | 28.451 |
| 29.853 | 27.127 | 1.021 | |
| 10/18/2016 1:30:00 AM | 444600.000 | 10.265 | 16.609 |
| 23.124 | 34767.012 | 41402.973 | 26.662 |
| 28.154 | 28.763 | 1.019 | |
| 10/18/2016 1:45:00 AM | 445500.000 | 10.295 | 16.606 |
| 23.191 | 39462.086 | 46997.309 | 30.691 |
| 31.958 | 25.341 | 1.022 | |
| 10/18/2016 2:00:00 AM | 446400.000 | 10.354 | 16.608 |
| 23.323 | 35266.973 | 41998.441 | 27.087 |
| 28.559 | 28.355 | 1.020 | |
| 10/18/2016 2:15:00 AM | 447300.000 | 10.289 | 16.606 |
| 23.177 | 39506.504 | 47050.102 | 30.729 |
| 31.994 | 25.312 | 1.022 | |
| 10/18/2016 2:30:00 AM | 448200.000 | 10.184 | 16.609 |
| 22.941 | 36595.789 | 43580.031 | 28.221 |
| 29.634 | 27.326 | 1.020 | |

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|---|---|---|---|
| 10/18/2016 2:45:00 AM | 449100.000 | 10.293 | 16.603 |
| 23.185 | 39726.406 | 47315.121 | 30.922 |
| 32.174 | 25.172 | 1.022 | |
| 10/18/2016 3:00:00 AM | 450000.000 | 10.296 | 16.607 |
| 23.193 | 36254.898 | 43175.984 | 27.930 |
| 29.360 | 27.582 | 1.020 | |
| 10/18/2016 3:15:00 AM | 450900.000 | 10.303 | 16.604 |
| 23.207 | 39687.598 | 47267.578 | 30.888 |
| 32.142 | 25.197 | 1.022 | |
| 10/18/2016 3:30:00 AM | 451800.000 | 10.194 | 16.606 |
| 22.963 | 36741.938 | 43757.129 | 28.348 |
| 29.755 | 27.217 | 1.021 | |
| 10/18/2016 3:45:00 AM | 452700.000 | 10.168 | 16.610 |
| 22.904 | 33634.156 | 40052.848 | 25.701 |
| 27.236 | 29.732 | 1.018 | |
| 10/18/2016 4:00:00 AM | 453600.000 | 10.264 | 16.605 |
| 23.120 | 36576.738 | 43561.523 | 28.207 |
| 29.622 | 27.340 | 1.020 | |
| 10/18/2016 4:15:00 AM | 454500.000 | 10.567 | 16.610 |
| 23.804 | 34722.082 | 41347.969 | 26.623 |
| 28.117 | 28.800 | 1.019 | |
| 10/18/2016 4:30:00 AM | 455400.000 | 10.604 | 16.606 |
| 23.886 | 39618.219 | 47183.344 | 30.826 |
| 32.085 | 25.241 | 1.022 | |
| 10/18/2016 4:45:00 AM | 456300.000 | 10.577 | 16.609 |
| 23.826 | 36965.645 | 44020.285 | 28.537 |
| 29.934 | 27.052 | 1.021 | |
| 10/18/2016 5:00:00 AM | 457200.000 | 10.631 | 16.610 |
| 23.948 | 36115.480 | 43007.449 | 27.810 |
| 29.245 | 27.689 | 1.020 | |
| 10/18/2016 5:15:00 AM | 458100.000 | 10.557 | 16.612 |
| 23.782 | 38932.223 | 46359.391 | 30.228 |
| 31.524 | 25.686 | 1.022 | |
| 10/18/2016 5:30:00 AM | 459000.000 | 10.647 | 16.611 |
| 23.984 | 36190.992 | 43096.586 | 27.874 |
| 29.306 | 27.631 | 1.020 | |
| 10/18/2016 5:45:00 AM | 459900.000 | 10.547 | 16.613 |
| 23.758 | 35583.086 | 42370.223 | 27.353 |
| 28.812 | 28.103 | 1.020 | |
| 10/18/2016 6:00:00 AM | 460800.000 | 10.570 | 16.605 |
| 23.810 | 39580.047 | 47138.449 | 30.794 |
| 32.054 | 25.265 | 1.022 | |
| 10/18/2016 6:15:00 AM | 461700.000 | 10.603 | 16.608 |
| 23.884 | 37515.309 | 44676.379 | 29.010 |
| 30.380 | 26.656 | 1.021 | |
| 10/18/2016 6:30:00 AM | 462600.000 | 10.461 | 16.610 |
| 23.565 | 35161.531 | 41871.789 | 26.996 |
| 28.473 | 28.440 | 1.019 | |
| 10/18/2016 6:45:00 AM | 463500.000 | 10.614 | 16.607 |
| 23.909 | 39423.352 | 46949.297 | 30.656 |
| 31.926 | 25.366 | 1.022 | |
| 10/18/2016 7:00:00 AM | 464400.000 | 10.575 | 16.611 |
| 23.822 | 35593.965 | 42385.824 | 27.364 |
| 28.822 | 28.095 | 1.020 | |

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|---|---|---|---|
| 10/18/2016 7:15:00 AM | 465300.000 | 10.543 | 16.612 |
| 23.749 | 34307.957 | 40852.781 | 26.270 |
| 27.780 | 29.148 | 1.019 | |
| 10/18/2016 7:30:00 AM | 466200.000 | 10.609 | 16.605 |
| 23.899 | 39616.004 | 47180.984 | 30.825 |
| 32.083 | 25.242 | 1.022 | |
| 10/18/2016 7:45:00 AM | 467100.000 | 10.746 | 16.609 |
| 24.206 | 37329.359 | 44454.391 | 28.850 |
| 30.229 | 26.789 | 1.021 | |
| 10/18/2016 8:00:00 AM | 468000.000 | 10.756 | 16.610 |
| 24.228 | 34944.500 | 41612.828 | 26.812 |
| 28.297 | 28.617 | 1.019 | |
| 10/18/2016 8:15:00 AM | 468900.000 | 10.727 | 16.606 |
| 24.163 | 39541.203 | 47091.141 | 30.759 |
| 32.022 | 25.290 | 1.022 | |
| 10/18/2016 8:30:00 AM | 469800.000 | 10.517 | 16.609 |
| 23.690 | 36171.785 | 43075.266 | 27.858 |
| 29.291 | 27.646 | 1.020 | |
| 10/18/2016 8:45:00 AM | 470700.000 | 10.301 | 16.611 |
| 23.205 | 35205.105 | 41922.250 | 27.033 |
| 28.507 | 28.405 | 1.019 | |
| 10/18/2016 9:00:00 AM | 471600.000 | 10.591 | 16.602 |
| 23.858 | 39627.539 | 47198.039 | 30.837 |
| 32.095 | 25.235 | 1.022 | |
| 10/18/2016 9:15:00 AM | 472500.000 | 10.552 | 16.609 |
| 23.770 | 37311.156 | 44432.457 | 28.834 |
| 30.214 | 26.802 | 1.021 | |
| 10/18/2016 9:30:00 AM | 473400.000 | 10.507 | 16.608 |
| 23.669 | 33592.801 | 40005.043 | 25.667 |
| 27.203 | 29.768 | 1.018 | |
| 10/18/2016 9:45:00 AM | 474300.000 | 10.870 | 16.603 |
| 24.485 | 39565.840 | 47123.227 | 30.782 |
| 32.044 | 25.274 | 1.022 | |
| 10/18/2016 10:00:00 AM | 475200.000 | 11.479 | 16.610 |
| 25.857 | 39430.180 | 46954.598 | 30.660 |
| 31.929 | 25.361 | 1.022 | |
| 10/18/2016 10:15:00 AM | 476100.000 | 11.632 | 16.614 |
| 26.203 | 37011.523 | 44070.066 | 28.573 |
| 29.968 | 27.019 | 1.021 | |
| 10/18/2016 10:30:00 AM | 477000.000 | 11.646 | 16.616 |
| 26.234 | 37390.043 | 44519.258 | 28.897 |
| 30.273 | 26.745 | 1.021 | |
| 10/18/2016 10:45:00 AM | 477900.000 | 11.698 | 16.618 |
| 26.351 | 36812.258 | 43828.762 | 28.400 |
| 29.804 | 27.165 | 1.021 | |
| 10/18/2016 11:00:00 AM | 478800.000 | 11.838 | 16.619 |
| 26.666 | 35791.395 | 42612.727 | 27.527 |
| 28.977 | 27.940 | 1.020 | |
| 10/18/2016 11:15:00 AM | 479700.000 | 11.731 | 16.620 |
| 26.426 | 36891.535 | 43921.309 | 28.467 |
| 29.866 | 27.106 | 1.021 | |
| 10/18/2016 11:30:00 AM | 480600.000 | 11.687 | 16.618 |
| 26.325 | 35016.332 | 41690.789 | 26.868 |
| 28.350 | 28.558 | 1.019 | |

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|---|---|---|---|
| 10/18/2016 11:45:00 AM | 481500.000 | 11.595 | 16.617 |
| 26.118 | 34124.637 | 40629.781 | 26.111 |
| 27.628 | 29.304 | 1.019 | |
| 10/18/2016 12:00:00 PM | 482400.000 | 11.368 | 16.612 |
| 25.607 | 39366.031 | 46875.957 | 30.603 |
| 31.876 | 25.403 | 1.022 | |
| 10/18/2016 12:15:00 PM | 483300.000 | 11.273 | 16.613 |
| 25.394 | 39410.383 | 46927.832 | 30.641 |
| 31.911 | 25.374 | 1.022 | |
| 10/18/2016 12:30:00 PM | 484200.000 | 10.960 | 16.611 |
| 24.689 | 39406.328 | 46925.066 | 30.639 |
| 31.909 | 25.377 | 1.022 | |
| 10/18/2016 12:45:00 PM | 485100.000 | 10.677 | 16.612 |
| 24.051 | 37046.461 | 44113.793 | 28.605 |
| 29.997 | 26.993 | 1.021 | |
| 10/18/2016 1:00:00 PM | 486000.000 | 10.469 | 16.606 |
| 23.581 | 39644.160 | 47213.754 | 30.849 |
| 32.105 | 25.224 | 1.022 | |
| 10/18/2016 1:15:00 PM | 486900.000 | 10.340 | 16.605 |
| 23.292 | 39523.117 | 47070.551 | 30.744 |
| 32.008 | 25.302 | 1.022 | |
| 10/18/2016 1:30:00 PM | 487800.000 | 10.425 | 16.608 |
| 23.484 | 35429.301 | 42192.602 | 27.226 |
| 28.691 | 28.225 | 1.020 | |
| 10/18/2016 1:45:00 PM | 488700.000 | 10.856 | 16.608 |
| 24.455 | 38848.914 | 46264.449 | 30.159 |
| 31.460 | 25.741 | 1.022 | |
| 10/18/2016 2:00:00 PM | 489600.000 | 10.913 | 16.610 |
| 24.582 | 36985.617 | 44043.277 | 28.554 |
| 29.949 | 27.038 | 1.021 | |
| 10/18/2016 2:15:00 PM | 490500.000 | 10.971 | 16.611 |
| 24.714 | 36231.027 | 43143.582 | 27.907 |
| 29.338 | 27.601 | 1.020 | |
| 10/18/2016 2:30:00 PM | 491400.000 | 10.985 | 16.614 |
| 24.746 | 34783.195 | 41417.020 | 26.672 |
| 28.164 | 28.750 | 1.019 | |
| 10/18/2016 2:45:00 PM | 492300.000 | 10.987 | 16.606 |
| 24.748 | 39586.117 | 47144.449 | 30.798 |
| 32.058 | 25.261 | 1.022 | |
| 10/18/2016 3:00:00 PM | 493200.000 | 11.223 | 16.607 |
| 25.282 | 39553.684 | 47104.875 | 30.769 |
| 32.031 | 25.282 | 1.022 | |
| 10/18/2016 3:15:00 PM | 494100.000 | 11.702 | 16.614 |
| 26.359 | 36712.418 | 43714.016 | 28.317 |
| 29.726 | 27.239 | 1.020 | |
| 10/18/2016 3:30:00 PM | 495000.000 | 11.975 | 16.619 |
| 26.975 | 37134.207 | 44211.016 | 28.675 |
| 30.063 | 26.929 | 1.021 | |
| 10/18/2016 3:45:00 PM | 495900.000 | 12.007 | 16.624 |
| 27.048 | 36391.625 | 43322.324 | 28.036 |
| 29.459 | 27.479 | 1.020 | |
| 10/18/2016 4:00:00 PM | 496800.000 | 11.926 | 16.625 |
| 26.864 | 37887.848 | 45102.496 | 29.319 |
| 30.670 | 26.394 | 1.021 | |

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| 10/18/2016 4:15:00 PM | 497700.000 | 11.893 | 16.623 |
| 26.791 | 36434.641 | 43374.133 | 28.073 |
| 29.494 | 27.446 | 1.020 | |
| 10/18/2016 4:30:00 PM | 498600.000 | 11.809 | 16.624 |
| 26.601 | 35996.195 | 42851.832 | 27.699 |
| 29.139 | 27.781 | 1.020 | |
| 10/18/2016 4:45:00 PM | 499500.000 | 11.900 | 16.622 |
| 26.806 | 35444.254 | 42196.461 | 27.229 |
| 28.694 | 28.213 | 1.020 | |
| 10/18/2016 5:00:00 PM | 500400.000 | 11.807 | 16.625 |
| 26.596 | 35308.574 | 42032.074 | 27.112 |
| 28.582 | 28.322 | 1.020 | |
| 10/18/2016 5:15:00 PM | 501300.000 | 11.706 | 16.621 |
| 26.369 | 33736.777 | 40164.430 | 25.781 |
| 27.312 | 29.641 | 1.019 | |
| 10/18/2016 5:30:00 PM | 502200.000 | 11.577 | 16.613 |
| 26.079 | 39578.660 | 47128.207 | 30.787 |
| 32.047 | 25.266 | 1.022 | |
| 10/18/2016 5:45:00 PM | 503100.000 | 11.515 | 16.612 |
| 25.939 | 39610.305 | 47167.199 | 30.815 |
| 32.074 | 25.246 | 1.022 | |
| 10/18/2016 6:00:00 PM | 504000.000 | 11.456 | 16.614 |
| 25.807 | 39539.055 | 47079.816 | 30.752 |
| 32.014 | 25.291 | 1.022 | |
| 10/18/2016 6:15:00 PM | 504900.000 | 11.462 | 16.616 |
| 25.819 | 36360.891 | 43293.797 | 28.015 |
| 29.440 | 27.502 | 1.020 | |
| 10/18/2016 6:30:00 PM | 505800.000 | 11.415 | 16.617 |
| 25.714 | 37698.586 | 44885.645 | 29.162 |
| 30.522 | 26.526 | 1.021 | |
| 10/18/2016 6:45:00 PM | 506700.000 | 11.291 | 16.616 |
| 25.434 | 36179.375 | 43077.316 | 27.860 |
| 29.293 | 27.640 | 1.020 | |
| 10/18/2016 7:00:00 PM | 507600.000 | 11.195 | 16.615 |
| 25.217 | 34890.344 | 41543.688 | 26.762 |
| 28.250 | 28.661 | 1.019 | |
| 10/18/2016 7:15:00 PM | 508500.000 | 11.150 | 16.609 |
| 25.116 | 39432.148 | 46958.172 | 30.663 |
| 31.932 | 25.360 | 1.022 | |
| 10/18/2016 7:30:00 PM | 509400.000 | 11.185 | 16.611 |
| 25.194 | 39559.891 | 47108.223 | 30.772 |
| 32.034 | 25.278 | 1.022 | |
| 10/18/2016 7:45:00 PM | 510300.000 | 11.192 | 16.616 |
| 25.212 | 37153.391 | 44237.754 | 28.694 |
| 30.082 | 26.915 | 1.021 | |
| 10/18/2016 8:00:00 PM | 511200.000 | 11.010 | 16.616 |
| 24.800 | 36728.777 | 43732.176 | 28.330 |
| 29.738 | 27.227 | 1.020 | |
| 10/18/2016 8:15:00 PM | 512100.000 | 11.004 | 16.613 |
| 24.789 | 35067.578 | 41757.059 | 26.915 |
| 28.395 | 28.516 | 1.019 | |
| 10/18/2016 8:30:00 PM | 513000.000 | 10.962 | 16.607 |
| 24.692 | 39679.543 | 47254.480 | 30.878 |
| 32.133 | 25.202 | 1.022 | |

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| 10/18/2016 8:45:00 PM | 513900.000 | 10.998 | 16.609 |
| 24.774 | 39593.523 | 47150.055 | 30.802 |
| 32.062 | 25.257 | 1.022 | |
| 10/18/2016 9:00:00 PM | 514800.000 | 10.857 | 16.611 |
| 24.457 | 37325.672 | 44447.250 | 28.845 |
| 30.224 | 26.791 | 1.021 | |
| 10/18/2016 9:15:00 PM | 515700.000 | 10.759 | 16.610 |
| 24.236 | 35775.422 | 42602.406 | 27.519 |
| 28.970 | 27.952 | 1.020 | |
| 10/18/2016 9:30:00 PM | 516600.000 | 10.737 | 16.605 |
| 24.187 | 39732.559 | 47320.461 | 30.926 |
| 32.178 | 25.168 | 1.022 | |
| 10/18/2016 9:45:00 PM | 517500.000 | 10.703 | 16.606 |
| 24.109 | 39646.633 | 47216.699 | 30.851 |
| 32.107 | 25.223 | 1.022 | |
| 10/18/2016 10:00:00 PM | 518400.000 | 10.516 | 16.609 |
| 23.689 | 36369.488 | 43310.539 | 28.027 |
| 29.451 | 27.496 | 1.020 | |
| 10/18/2016 10:15:00 PM | 519300.000 | 10.560 | 16.603 |
| 23.786 | 39685.766 | 47266.344 | 30.887 |
| 32.141 | 25.198 | 1.022 | |
| 10/18/2016 10:30:00 PM | 520200.000 | 10.524 | 16.607 |
| 23.707 | 36497.926 | 43465.832 | 28.138 |
| 29.557 | 27.399 | 1.020 | |
| 10/18/2016 10:45:00 PM | 521100.000 | 10.330 | 16.609 |
| 23.270 | 35459.832 | 42227.438 | 27.251 |
| 28.715 | 28.201 | 1.020 | |
| 10/18/2016 11:00:00 PM | 522000.000 | 10.266 | 16.604 |
| 23.125 | 39653.387 | 47226.457 | 30.858 |
| 32.114 | 25.219 | 1.022 | |
| 10/18/2016 11:15:00 PM | 522900.000 | 10.253 | 16.606 |
| 23.096 | 35447.824 | 42215.930 | 27.242 |
| 28.707 | 28.210 | 1.020 | |
| 10/18/2016 11:30:00 PM | 523800.000 | 10.392 | 16.602 |
| 23.409 | 39680.793 | 47261.551 | 30.883 |
| 32.138 | 25.201 | 1.022 | |
| 10/18/2016 11:45:00 PM | 524700.000 | 10.479 | 16.608 |
| 23.605 | 37219.363 | 44323.941 | 28.756 |
| 30.140 | 26.868 | 1.021 | |
| 10/19/2016 12:00:00 AM | 525600.000 | 10.510 | 16.603 |
| 23.674 | 39616.074 | 47183.992 | 30.827 |
| 32.085 | 25.242 | 1.022 | |
| 10/19/2016 12:15:00 AM | 526500.000 | 10.478 | 16.605 |
| 23.603 | 36352.586 | 43294.746 | 28.015 |
| 29.440 | 27.508 | 1.020 | |
| 10/19/2016 12:30:00 AM | 527400.000 | 10.343 | 16.607 |
| 23.300 | 35522.145 | 42303.844 | 27.305 |
| 28.767 | 28.151 | 1.020 | |
| 10/19/2016 12:45:00 AM | 528300.000 | 10.330 | 16.604 |
| 23.270 | 39563.211 | 47119.625 | 30.780 |
| 32.041 | 25.276 | 1.022 | |
| 10/19/2016 1:00:00 AM | 529200.000 | 10.280 | 16.607 |
| 23.156 | 36718.285 | 43728.000 | 28.327 |
| 29.735 | 27.234 | 1.020 | |

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| 10/19/2016 1:15:00 AM | 530100.000 | 10.233 | 16.602 |
| 23.050 | 39706.738 | 47293.027 | 30.906 |
| 32.159 | 25.185 | 1.022 | |
| 10/19/2016 1:30:00 AM | 531000.000 | 10.213 | 16.605 |
| 23.006 | 37527.824 | 44693.883 | 29.023 |
| 30.392 | 26.647 | 1.021 | |
| 10/19/2016 1:45:00 AM | 531900.000 | 10.219 | 16.602 |
| 23.020 | 39674.652 | 47254.520 | 30.878 |
| 32.133 | 25.205 | 1.022 | |
| 10/19/2016 2:00:00 AM | 532800.000 | 10.285 | 16.604 |
| 23.169 | 36075.773 | 42965.668 | 27.779 |
| 29.217 | 27.719 | 1.020 | |
| 10/19/2016 2:15:00 AM | 533700.000 | 10.291 | 16.607 |
| 23.181 | 34700.137 | 41324.738 | 26.606 |
| 28.101 | 28.818 | 1.019 | |
| 10/19/2016 2:30:00 AM | 534600.000 | 10.339 | 16.603 |
| 23.291 | 39530.715 | 47081.676 | 30.752 |
| 32.016 | 25.297 | 1.022 | |
| 10/19/2016 2:45:00 AM | 535500.000 | 10.264 | 16.606 |
| 23.120 | 35823.934 | 42663.688 | 27.563 |
| 29.011 | 27.914 | 1.020 | |
| 10/19/2016 3:00:00 AM | 536400.000 | 10.318 | 16.601 |
| 23.241 | 39638.410 | 47212.309 | 30.847 |
| 32.104 | 25.228 | 1.022 | |
| 10/19/2016 3:15:00 AM | 537300.000 | 10.305 | 16.607 |
| 23.213 | 36605.645 | 43594.199 | 28.231 |
| 29.644 | 27.318 | 1.020 | |
| 10/19/2016 3:30:00 AM | 538200.000 | 10.213 | 16.601 |
| 23.006 | 39685.348 | 47268.402 | 30.888 |
| 32.143 | 25.198 | 1.022 | |
| 10/19/2016 3:45:00 AM | 539100.000 | 10.221 | 16.605 |
| 23.024 | 37686.031 | 44882.836 | 29.159 |
| 30.520 | 26.535 | 1.021 | |
| 10/19/2016 4:00:00 AM | 540000.000 | 10.101 | 16.602 |
| 22.755 | 39681.145 | 47262.254 | 30.884 |
| 32.138 | 25.201 | 1.022 | |
| 10/19/2016 4:15:00 AM | 540900.000 | 10.137 | 16.604 |
| 22.836 | 36245.492 | 43167.891 | 27.924 |
| 29.354 | 27.590 | 1.020 | |
| 10/19/2016 4:30:00 AM | 541800.000 | 10.175 | 16.608 |
| 22.921 | 34789.203 | 41430.227 | 26.681 |
| 28.173 | 28.745 | 1.019 | |
| 10/19/2016 4:45:00 AM | 542700.000 | 10.413 | 16.602 |
| 23.456 | 39519.430 | 47069.930 | 30.744 |
| 32.008 | 25.304 | 1.022 | |
| 10/19/2016 5:00:00 AM | 543600.000 | 10.502 | 16.607 |
| 23.656 | 36482.188 | 43446.926 | 28.125 |
| 29.544 | 27.411 | 1.020 | |
| 10/19/2016 5:15:00 AM | 544500.000 | 10.421 | 16.602 |
| 23.474 | 39607.492 | 47174.160 | 30.819 |
| 32.078 | 25.248 | 1.022 | |
| 10/19/2016 5:30:00 AM | 545400.000 | 10.414 | 16.605 |
| 23.459 | 36436.441 | 43394.871 | 28.087 |
| 29.509 | 27.445 | 1.020 | |

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| 10/19/2016 5:45:00 AM | 546300.000 | 10.387 | 16.608 |
| 23.398 | 35178.742 | 41893.801 | 27.012 |
| 28.488 | 28.426 | 1.019 | |
| 10/19/2016 6:00:00 AM | 547200.000 | 10.450 | 16.602 |
| 23.539 | 39595.078 | 47159.648 | 30.809 |
| 32.069 | 25.256 | 1.022 | |
| 10/19/2016 6:15:00 AM | 548100.000 | 10.446 | 16.606 |
| 23.531 | 36351.309 | 43292.352 | 28.014 |
| 29.439 | 27.509 | 1.020 | |
| 10/19/2016 6:30:00 AM | 549000.000 | 10.382 | 16.609 |
| 23.386 | 34162.723 | 40683.180 | 26.149 |
| 27.665 | 29.272 | 1.019 | |
| 10/19/2016 6:45:00 AM | 549900.000 | 10.353 | 16.602 |
| 23.321 | 39583.969 | 47145.859 | 30.799 |
| 32.059 | 25.263 | 1.022 | |
| 10/19/2016 7:00:00 AM | 550800.000 | 10.474 | 16.607 |
| 23.593 | 36531.922 | 43506.492 | 28.168 |
| 29.584 | 27.373 | 1.020 | |
| 10/19/2016 7:15:00 AM | 551700.000 | 10.482 | 16.607 |
| 23.612 | 38660.766 | 46041.676 | 29.997 |
| 31.308 | 25.866 | 1.022 | |
| 10/19/2016 7:30:00 AM | 552600.000 | 10.564 | 16.608 |
| 23.796 | 38957.918 | 46394.262 | 30.253 |
| 31.548 | 25.669 | 1.022 | |
| 10/19/2016 7:45:00 AM | 553500.000 | 10.535 | 16.610 |
| 23.731 | 35889.160 | 42737.594 | 27.616 |
| 29.062 | 27.864 | 1.020 | |
| 10/19/2016 8:00:00 AM | 554400.000 | 10.483 | 16.603 |
| 23.613 | 39623.168 | 47192.164 | 30.833 |
| 32.091 | 25.238 | 1.022 | |
| 10/19/2016 8:15:00 AM | 555300.000 | 10.636 | 16.602 |
| 23.958 | 39547.508 | 47102.531 | 30.767 |
| 32.030 | 25.286 | 1.022 | |
| 10/19/2016 8:30:00 AM | 556200.001 | 10.664 | 16.606 |
| 24.021 | 37272.512 | 44388.836 | 28.803 |
| 30.184 | 26.829 | 1.021 | |
| 10/19/2016 8:45:00 AM | 557100.000 | 10.773 | 16.607 |
| 24.267 | 35316.547 | 42058.500 | 27.130 |
| 28.600 | 28.315 | 1.020 | |
| 10/19/2016 9:00:00 AM | 558000.000 | 10.825 | 16.608 |
| 24.384 | 38932.895 | 46364.922 | 30.232 |
| 31.528 | 25.685 | 1.022 | |
| 10/19/2016 9:15:00 AM | 558900.000 | 10.848 | 16.609 |
| 24.437 | 39240.395 | 46730.000 | 30.497 |
| 31.776 | 25.484 | 1.022 | |
| 10/19/2016 9:30:00 AM | 559800.000 | 10.788 | 16.609 |
| 24.301 | 37295.070 | 44412.844 | 28.820 |
| 30.201 | 26.813 | 1.021 | |
| 10/19/2016 9:45:00 AM | 560700.000 | 10.744 | 16.612 |
| 24.203 | 35464.063 | 42230.195 | 27.253 |
| 28.717 | 28.198 | 1.020 | |
| 10/19/2016 10:00:00 AM | 561600.000 | 10.779 | 16.602 |
| 24.280 | 39590.867 | 47154.359 | 30.805 |
| 32.065 | 25.258 | 1.022 | |

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|---|---|---|---|
| 10/19/2016 10:15:00 AM | 562500.000 | 10.661 | 16.604 |
| 24.016 | 39541.359 | 47093.785 | 30.761 |
| 32.024 | 25.290 | 1.022 | |
| 10/19/2016 10:30:00 AM | 563400.000 | 10.370 | 16.608 |
| 23.359 | 37308.699 | 44430.680 | 28.833 |
| 30.213 | 26.803 | 1.021 | |
| 10/19/2016 10:45:00 AM | 564300.000 | 10.205 | 16.604 |
| 22.988 | 38716.035 | 46109.984 | 30.047 |
| 31.355 | 25.829 | 1.022 | |
| 10/19/2016 11:00:00 AM | 565200.000 | 10.177 | 16.601 |
| 22.924 | 36810.020 | 43843.309 | 28.409 |
| 29.813 | 27.167 | 1.021 | |
| 10/19/2016 11:15:00 AM | 566100.000 | 10.296 | 16.605 |
| 23.193 | 34543.766 | 41140.414 | 26.474 |
| 27.975 | 28.949 | 1.019 | |
| 10/19/2016 11:30:00 AM | 567000.000 | 10.451 | 16.600 |
| 23.542 | 39605.199 | 47173.227 | 30.819 |
| 32.078 | 25.249 | 1.022 | |
| 10/19/2016 11:45:00 AM | 567900.000 | 10.477 | 16.605 |
| 23.601 | 37288.621 | 44409.086 | 28.817 |
| 30.198 | 26.818 | 1.021 | |
| 10/19/2016 12:00:00 PM | 568800.000 | 10.506 | 16.607 |
| 23.667 | 34081.965 | 40588.961 | 26.082 |
| 27.600 | 29.341 | 1.019 | |
| 10/19/2016 12:15:00 PM | 569700.000 | 10.485 | 16.605 |
| 23.620 | 38944.555 | 46381.316 | 30.244 |
| 31.539 | 25.678 | 1.022 | |
| 10/19/2016 12:30:00 PM | 570600.000 | 10.535 | 16.606 |
| 23.731 | 37000.945 | 44065.848 | 28.570 |
| 29.965 | 27.026 | 1.021 | |
| 10/19/2016 12:45:00 PM | 571500.000 | 10.566 | 16.608 |
| 23.801 | 34302.809 | 40850.906 | 26.268 |
| 27.779 | 29.152 | 1.019 | |
| 10/19/2016 1:00:00 PM | 572400.000 | 10.446 | 16.601 |
| 23.531 | 39550.594 | 47107.426 | 30.771 |
| 32.033 | 25.284 | 1.022 | |
| 10/19/2016 1:15:00 PM | 573300.000 | 10.502 | 16.605 |
| 23.656 | 37681.078 | 44876.664 | 29.154 |
| 30.516 | 26.539 | 1.021 | |
| 10/19/2016 1:30:00 PM | 574200.000 | 10.640 | 16.605 |
| 23.968 | 34350.238 | 40910.184 | 26.310 |
| 27.819 | 29.112 | 1.019 | |
| 10/19/2016 1:45:00 PM | 575100.000 | 10.620 | 16.601 |
| 23.924 | 39515.441 | 47065.656 | 30.740 |
| 32.005 | 25.307 | 1.022 | |
| 10/19/2016 2:00:00 PM | 576000.000 | 10.612 | 16.604 |
| 23.905 | 36402.371 | 43354.902 | 28.059 |
| 29.481 | 27.471 | 1.020 | |
| 10/19/2016 2:15:00 PM | 576900.000 | 10.629 | 16.606 |
| 23.943 | 36267.402 | 43192.426 | 27.942 |
| 29.371 | 27.573 | 1.020 | |
| 10/19/2016 2:30:00 PM | 577800.000 | 10.770 | 16.607 |
| 24.260 | 34319.254 | 40871.391 | 26.283 |
| 27.793 | 29.138 | 1.019 | |

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|---|---|---|---|
| 10/19/2016 2:45:00 PM | 578700.000 | 10.730 | 16.603 |
| 24.170 | 39436.652 | 46969.742 | 30.671 |
| 31.939 | 25.357 | 1.022 | |
| 10/19/2016 3:00:00 PM | 579600.000 | 10.761 | 16.604 |
| 24.241 | 36676.668 | 43681.938 | 28.294 |
| 29.704 | 27.265 | 1.020 | |
| 10/19/2016 3:15:00 PM | 580500.000 | 10.666 | 16.608 |
| 24.027 | 36920.199 | 43967.746 | 28.499 |
| 29.898 | 27.085 | 1.021 | |
| 10/19/2016 3:30:00 PM | 581400.000 | 10.551 | 16.608 |
| 23.767 | 33404.441 | 39780.973 | 25.508 |
| 27.051 | 29.936 | 1.018 | |
| 10/19/2016 3:45:00 PM | 582300.000 | 10.471 | 16.601 |
| 23.588 | 39577.168 | 47138.996 | 30.794 |
| 32.055 | 25.267 | 1.022 | |
| 10/19/2016 4:00:00 PM | 583200.000 | 10.329 | 16.606 |
| 23.266 | 36808.051 | 43836.223 | 28.405 |
| 29.809 | 27.168 | 1.021 | |
| 10/19/2016 4:15:00 PM | 584100.000 | 10.343 | 16.601 |
| 23.298 | 39627.098 | 47198.277 | 30.837 |
| 32.095 | 25.235 | 1.022 | |
| 10/19/2016 4:30:00 PM | 585000.000 | 10.160 | 16.605 |
| 22.886 | 36273.887 | 43201.016 | 27.948 |
| 29.377 | 27.568 | 1.020 | |
| 10/19/2016 4:45:00 PM | 585900.000 | 10.230 | 16.606 |
| 23.044 | 34605.629 | 41212.773 | 26.526 |
| 28.025 | 28.897 | 1.019 | |
| 10/19/2016 5:00:00 PM | 586800.000 | 10.102 | 16.601 |
| 22.756 | 39510.148 | 47059.063 | 30.736 |
| 32.000 | 25.310 | 1.022 | |
| 10/19/2016 5:15:00 PM | 587700.000 | 10.100 | 16.604 |
| 22.751 | 34306.844 | 40858.984 | 26.274 |
| 27.784 | 29.149 | 1.019 | |
| 10/19/2016 5:30:00 PM | 588600.000 | 10.018 | 16.603 |
| 22.567 | 39350.566 | 46866.930 | 30.596 |
| 31.870 | 25.413 | 1.022 | |
| 10/19/2016 5:45:00 PM | 589500.000 | 10.082 | 16.606 |
| 22.711 | 34174.426 | 40699.887 | 26.161 |
| 27.676 | 29.262 | 1.019 | |
| 10/19/2016 6:00:00 PM | 590400.000 | 10.111 | 16.602 |
| 22.775 | 36142.723 | 43047.652 | 27.838 |
| 29.272 | 27.668 | 1.020 | |
| 10/19/2016 6:15:00 PM | 591300.000 | 10.210 | 16.603 |
| 23.000 | 33790.109 | 40244.527 | 25.837 |
| 27.366 | 29.594 | 1.019 | |
| 10/19/2016 6:30:00 PM | 592200.000 | 10.211 | 16.602 |
| 23.002 | 39510.902 | 47059.773 | 30.736 |
| 32.001 | 25.309 | 1.022 | |
| 10/19/2016 6:45:00 PM | 593100.000 | 10.207 | 16.607 |
| 22.991 | 35715.344 | 42534.098 | 27.470 |
| 28.923 | 27.999 | 1.020 | |
| 10/19/2016 7:00:00 PM | 594000.000 | 10.087 | 16.602 |
| 22.722 | 39616.223 | 47185.121 | 30.827 |
| 32.086 | 25.242 | 1.022 | |

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|---|---|---|---|
| 10/19/2016 7:15:00 PM | 594900.000 | 10.110 | 16.604 |
| 22.773 | 35565.563 | 42358.191 | 27.344 |
| 28.804 | 28.117 | 1.020 | |
| 10/19/2016 7:30:00 PM | 595800.000 | 10.003 | 16.603 |
| 22.533 | 39618.668 | 47186.902 | 30.829 |
| 32.087 | 25.241 | 1.022 | |
| 10/19/2016 7:45:00 PM | 596700.000 | 9.882 | 16.603 |
| 22.260 | 34538.113 | 41135.824 | 26.471 |
| 27.972 | 28.954 | 1.019 | |
| 10/19/2016 8:00:00 PM | 597600.000 | 9.866 | 16.601 |
| 22.223 | 38226.273 | 45530.527 | 29.627 |
| 30.961 | 26.160 | 1.021 | |
| 10/19/2016 8:15:00 PM | 598500.000 | 9.830 | 16.599 |
| 22.142 | 39655.594 | 47235.332 | 30.864 |
| 32.120 | 25.217 | 1.022 | |
| 10/19/2016 8:30:00 PM | 599400.000 | 9.889 | 16.604 |
| 22.276 | 37050.367 | 44126.484 | 28.613 |
| 30.006 | 26.990 | 1.021 | |
| 10/19/2016 8:45:00 PM | 600300.000 | 9.772 | 16.599 |
| 22.013 | 39703.383 | 47292.258 | 30.905 |
| 32.159 | 25.187 | 1.022 | |
| 10/19/2016 9:00:00 PM | 601200.000 | 9.873 | 16.603 |
| 22.241 | 35388.305 | 42148.586 | 27.194 |
| 28.661 | 28.258 | 1.020 | |
| 10/19/2016 9:15:00 PM | 602100.000 | 9.917 | 16.600 |
| 22.339 | 39523.645 | 47076.828 | 30.749 |
| 32.012 | 25.301 | 1.022 | |
| 10/19/2016 9:30:00 PM | 603000.000 | 9.971 | 16.605 |
| 22.460 | 34758.152 | 41395.656 | 26.656 |
| 28.149 | 28.770 | 1.019 | |
| 10/19/2016 9:45:00 PM | 603900.000 | 9.979 | 16.600 |
| 22.479 | 36803.914 | 43837.344 | 28.405 |
| 29.809 | 27.171 | 1.021 | |
| 10/19/2016 10:00:00 PM | 604800.000 | 10.101 | 16.604 |
| 22.754 | 33906.621 | 40382.727 | 25.935 |
| 27.460 | 29.493 | 1.019 | |
| 10/19/2016 10:15:00 PM | 605700.000 | 10.110 | 16.602 |
| 22.773 | 37017.223 | 44089.656 | 28.587 |
| 29.981 | 27.014 | 1.021 | |
| 10/19/2016 10:30:00 PM | 606600.000 | 10.063 | 16.606 |
| 22.668 | 33822.703 | 40281.004 | 25.863 |
| 27.391 | 29.566 | 1.019 | |
| 10/19/2016 10:45:00 PM | 607500.000 | 10.101 | 16.600 |
| 22.753 | 39512.555 | 47063.164 | 30.739 |
| 32.003 | 25.308 | 1.022 | |
| 10/19/2016 11:00:00 PM | 608400.000 | 10.019 | 16.605 |
| 22.569 | 34569.801 | 41171.504 | 26.496 |
| 27.997 | 28.927 | 1.019 | |
| 10/19/2016 11:15:00 PM | 609300.000 | 10.026 | 16.601 |
| 22.584 | 39526.984 | 47079.879 | 30.751 |
| 32.014 | 25.299 | 1.022 | |
| 10/19/2016 11:30:00 PM | 610200.000 | 10.120 | 16.606 |
| 22.797 | 36162.027 | 43067.012 | 27.852 |
| 29.286 | 27.653 | 1.020 | |

| | | | |
|---|---|---|---|
| 10/19/2016 11:45:00 PM | 611100.001 | 10.090 | 16.600 |
| 22.728 | 39580.414 | 47144.730 | 30.798 |
| 32.058 | 25.265 | 1.022 | |

Report Date: 10/21/2016 8:24:38 AM
Report User Name: ELinden
Report Computer Name: WKST47
Application: WinSitu.exe
Application Version: 5.6.27.1

Log File Properties:
File Name: MPWSP Barotroll_2016-10-20_19-47-06-997.wsl
Create Date: 10/20/2016 7:46:55 PM

Device Properties:
Device: BaroTROLL 500
Site: MPWSP BaroTroll
Device Name:
Serial Number: 399604
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 7

Log Configuration
Log Name: MPWSP Barotroll
Created By: KMakar
Computer Name: PROBOOK10
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 4/28/2016 3:36:54 PM Pacific Daylight Time
Log Setup Time Zone: Pacific Daylight Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 4/28/2016 3:45:00 PM Pacific Daylight Time
Scheduled Stop Time: No Stop Time
Type: Linear
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Other Log Settings

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Log Notes:

| Date and Time | Note |
|---|---|
| 4/28/2016 3:41:19 PM | Sensor SN: 399604 Factory calibration has expired.: 1/21/2016 11:40:19 AM |
| 4/28/2016 3:41:20 PM | Used Battery: 7% Used Memory: 12% User Name: KMakar |

5/5/2016 1:40:50 PM Log Download - Used Battery: 7% Used Memory: 12% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 2:30:00 PM
5/12/2016 4:51:07 PM Log Download - Used Battery: 7% Used Memory: 12% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 5:45:00 PM
5/19/2016 5:53:53 PM Log Download - Used Battery: 7% Used Memory: 12% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 6:45:00 PM
5/26/2016 3:21:35 PM Log Download - Used Battery: 7% Used Memory: 12% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 4:15:00 PM
6/2/2016 5:25:19 PM Log Download - Used Battery: 7% Used Memory: 12% User Name: SKuiper Interval - Start Time: 4/30/2016 1:15:00 AM Stop Time: 6/2/2016 6:15:00 PM
6/9/2016 2:11:26 PM Log Download - Used Battery: 7% Used Memory: 12% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 3:00:00 PM
6/16/2016 6:18:58 PM Log Download - Used Battery: 7% Used Memory: 18% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 7:15:00 PM
6/23/2016 6:28:59 PM Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 7:15:00 PM
7/1/2016 3:22:49 PM Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - Start Time: 5/31/2016 1:00:00 AM Stop Time: 7/1/2016 4:15:00 PM
7/8/2016 1:27:28 PM Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 1:05:00 PM
7/14/2016 9:10:31 PM Log Download - Used Battery: 8% Used Memory: 18% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 10:00:00 PM
7/22/2016 10:07:59 AM Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/22/2016 10:00:00 AM
7/28/2016 9:08:19 PM Log Download - Used Battery: 8% Used Memory: 25% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 9:00:00 PM
8/4/2016 7:48:19 PM Log Download - Used Battery: 8% Used Memory: 25% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 8/4/2016 8:35:00 PM
8/11/2016 6:17:29 PM Log Download - Used Battery: 8% Used Memory: 25% User Name: ELinden Interval - Start Time: 8/2/2016 12:00:00 PM Stop Time: 8/11/2016 8:15:00 PM
8/18/2016 6:17:33 PM Log Download - Used Battery: 8% Used Memory: 25% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 7:00:00 PM
8/18/2016 6:18:37 PM Log Download - Used Battery: 8% Used Memory: 25% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 AM Stop Time: 8/18/2016 6:15:00 PM
8/25/2016 9:35:38 PM Log Download - Used Battery: 9% Used Memory: 25% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 10:30:00 PM
9/1/2016 5:23:27 PM Log Download - Used Battery: 9% Used Memory: 25% User Name: skuiper Interval - Start Time: 7/30/2016 10:00:00 PM Stop Time: 9/1/2016 6:15:00 PM
9/8/2016 7:54:43 PM Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 8/31/2016 12:00:00 AM Stop Time: 9/8/2016 7:45:00 PM
9/8/2016 7:55:48 PM Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 8/31/2016 12:00:00 AM Stop Time: 9/8/2016 8:45:00 PM
9/15/2016 9:07:41 PM Log Download - Used Battery: 9% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 10:00:00 PM
9/22/2016 7:04:04 PM Log Download - Used Battery: 9% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 7:15:00 PM
10/2/2016 11:33:24 AM Log Download - Used Battery: 9% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/2/2016 12:30:00 PM
10/7/2016 1:04:22 PM Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 5:10:00 PM
10/7/2016 8:09:47 PM Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 9/27/2016 12:00:00 AM Stop Time: 10/7/2016 8:00:00 PM
10/13/2016 7:55:41 PM Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 7:45:00 PM

10/13/2016 7:57:35 PM Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 10/5/2016 12:00:00 AM Stop Time: 10/13/2016 7:45:00 PM
10/20/2016 7:48:34 PM Log Download - Used Battery: 9% Used Memory: 37% User Name: SKuiper Interval - Start Time: 10/12/2016 12:00:00 AM Stop Time: 10/20/2016 8:30:00 PM

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Log Data:
Record Count: 848
Sensors: 1
1 - 399604: Baro-Pressure/Temp
Time Zone: Pacific Daylight Time

| | Sensor: Baro Pres Elapsed Time SN#: 399604 | Sensor: Baro Pres SN#: 399604 | |
|---|---|---|---|
| Date and Time | Seconds | Pressure (mmHg) | Temperature (C) |
| 10/13/2016 12:00:00 AM | 86400.000 | 763.856 | 16.543 |
| 10/13/2016 12:15:00 AM | 87300.000 | 763.887 | 16.467 |
| 10/13/2016 12:30:00 AM | 88200.000 | 763.969 | 16.361 |
| 10/13/2016 12:45:00 AM | 89100.000 | 764.105 | 16.318 |
| 10/13/2016 1:00:00 AM | 90000.000 | 764.216 | 16.220 |
| 10/13/2016 1:15:00 AM | 90900.000 | 764.433 | 16.179 |
| 10/13/2016 1:30:00 AM | 91800.000 | 763.953 | 16.071 |
| 10/13/2016 1:45:00 AM | 92700.000 | 763.824 | 15.981 |
| 10/13/2016 2:00:00 AM | 93600.000 | 764.051 | 15.905 |
| 10/13/2016 2:15:00 AM | 94500.000 | 764.041 | 15.806 |
| 10/13/2016 2:30:00 AM | 95400.000 | 763.955 | 15.692 |
| 10/13/2016 2:45:00 AM | 96300.000 | 763.985 | 15.613 |
| 10/13/2016 3:00:00 AM | 97200.000 | 764.226 | 15.532 |
| 10/13/2016 3:15:00 AM | 98100.000 | 763.802 | 15.451 |
| 10/13/2016 3:30:00 AM | 99000.000 | 763.517 | 15.359 |
| 10/13/2016 3:45:00 AM | 99900.000 | 763.481 | 15.231 |
| 10/13/2016 4:00:00 AM | 100800.000 | 763.349 | 15.157 |
| 10/13/2016 4:15:00 AM | 101700.000 | 763.456 | 15.070 |
| 10/13/2016 4:30:00 AM | 102600.000 | 763.258 | 14.956 |
| 10/13/2016 4:45:00 AM | 103500.000 | 763.180 | 14.873 |
| 10/13/2016 5:00:00 AM | 104400.000 | 763.150 | 14.808 |
| 10/13/2016 5:15:00 AM | 105300.000 | 763.351 | 14.745 |
| 10/13/2016 5:30:00 AM | 106200.000 | 763.259 | 14.724 |
| 10/13/2016 5:45:00 AM | 107100.000 | 763.030 | 14.669 |
| 10/13/2016 6:00:00 AM | 108000.000 | 763.196 | 14.623 |
| 10/13/2016 6:15:00 AM | 108900.000 | 763.216 | 14.565 |
| 10/13/2016 6:30:00 AM | 109800.000 | 763.295 | 14.502 |
| 10/13/2016 6:45:00 AM | 110700.000 | 763.039 | 14.485 |
| 10/13/2016 7:00:00 AM | 111600.000 | 762.995 | 14.411 |
| 10/13/2016 7:15:00 AM | 112500.000 | 762.898 | 14.437 |
| 10/13/2016 7:30:00 AM | 113400.000 | 763.027 | 14.416 |
| 10/13/2016 7:45:00 AM | 114300.000 | 762.984 | 14.434 |
| 10/13/2016 8:00:00 AM | 115200.000 | 762.825 | 14.438 |
| 10/13/2016 8:15:00 AM | 116100.000 | 762.992 | 14.451 |
| 10/13/2016 8:30:00 AM | 117000.000 | 763.164 | 14.497 |
| 10/13/2016 8:45:00 AM | 117900.000 | 763.273 | 14.697 |

| | | | |
|---|---|---|---|
| 10/13/2016 9:00:00 AM | 118800.000 | 763.337 | 14.821 |
| 10/13/2016 9:15:00 AM | 119700.000 | 763.364 | 14.973 |
| 10/13/2016 9:30:00 AM | 120600.000 | 763.885 | 15.090 |
| 10/13/2016 9:45:00 AM | 121500.000 | 763.445 | 15.180 |
| 10/13/2016 10:00:00 AM | 122400.000 | 764.059 | 15.331 |
| 10/13/2016 10:15:00 AM | 123300.000 | 763.830 | 15.480 |
| 10/13/2016 10:30:00 AM | 124200.000 | 763.845 | 15.687 |
| 10/13/2016 10:45:00 AM | 125100.000 | 764.009 | 15.902 |
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| 10/13/2016 12:30:00 PM | 131400.000 | 763.805 | 17.805 |
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| 10/13/2016 1:45:00 PM | 135900.000 | 763.163 | 18.848 |
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| 10/13/2016 2:45:00 PM | 139500.000 | 762.780 | 19.357 |
| 10/13/2016 3:00:00 PM | 140400.000 | 762.800 | 19.482 |
| 10/13/2016 3:15:00 PM | 141300.000 | 762.653 | 19.595 |
| 10/13/2016 3:30:00 PM | 142200.000 | 762.492 | 19.650 |
| 10/13/2016 3:45:00 PM | 143100.000 | 762.230 | 19.699 |
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| 10/13/2016 4:15:00 PM | 144900.000 | 762.236 | 19.767 |
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| 10/13/2016 4:45:00 PM | 146700.000 | 761.963 | 19.777 |
| 10/13/2016 5:00:00 PM | 147600.000 | 761.726 | 19.757 |
| 10/13/2016 5:15:00 PM | 148500.000 | 761.866 | 19.773 |
| 10/13/2016 5:30:00 PM | 149400.000 | 761.536 | 19.747 |
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| 10/13/2016 6:45:00 PM | 153900.000 | 761.809 | 19.383 |
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| 10/13/2016 7:45:00 PM | 157500.000 | 761.927 | 18.833 |
| 10/13/2016 8:00:00 PM | 158400.000 | 762.204 | 18.763 |
| 10/13/2016 8:15:00 PM | 159300.000 | 761.898 | 18.692 |
| 10/13/2016 8:30:00 PM | 160200.000 | 762.193 | 18.625 |
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| 10/13/2016 10:00:00 PM | 165600.000 | 762.511 | 18.344 |
| 10/13/2016 10:15:00 PM | 166500.000 | 762.360 | 18.282 |

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| 10/14/2016 12:15:00 AM | 173700.000 | 761.964 | 18.091 |
| 10/14/2016 12:30:00 AM | 174600.000 | 762.137 | 18.047 |
| 10/14/2016 12:45:00 AM | 175500.000 | 761.801 | 17.993 |
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| 10/14/2016 1:15:00 AM | 177300.000 | 761.722 | 17.950 |
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| 10/14/2016 3:15:00 AM | 184500.000 | 761.848 | 17.415 |
| 10/14/2016 3:30:00 AM | 185400.000 | 761.953 | 17.317 |
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| 10/14/2016 4:15:00 AM | 188100.000 | 762.086 | 17.174 |
| 10/14/2016 4:30:00 AM | 189000.000 | 762.028 | 17.138 |
| 10/14/2016 4:45:00 AM | 189900.000 | 761.498 | 17.129 |
| 10/14/2016 5:00:00 AM | 190800.000 | 761.809 | 17.134 |
| 10/14/2016 5:15:00 AM | 191700.000 | 761.433 | 17.071 |
| 10/14/2016 5:30:00 AM | 192600.000 | 761.535 | 17.079 |
| 10/14/2016 5:45:00 AM | 193500.000 | 761.293 | 17.078 |
| 10/14/2016 6:00:00 AM | 194400.000 | 761.537 | 17.051 |
| 10/14/2016 6:15:00 AM | 195300.000 | 761.369 | 17.033 |
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| 10/14/2016 11:30:00 AM | 214200.000 | 761.801 | 18.529 |
| 10/14/2016 11:45:00 AM | 215100.000 | 761.763 | 18.734 |

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| 10/14/2016 2:00:00 PM | 223200.000 | 760.669 | 19.643 |
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| 10/14/2016 2:45:00 PM | 225900.000 | 760.488 | 19.927 |
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| 10/14/2016 3:30:00 PM | 228600.000 | 760.031 | 20.105 |
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| 10/14/2016 4:15:00 PM | 231300.000 | 760.211 | 20.303 |
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| 10/14/2016 5:15:00 PM | 234900.000 | 759.906 | 20.588 |
| 10/14/2016 5:30:00 PM | 235800.000 | 759.922 | 20.612 |
| 10/14/2016 5:45:00 PM | 236700.000 | 760.015 | 20.650 |
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| 10/14/2016 6:15:00 PM | 238500.000 | 760.156 | 20.697 |
| 10/14/2016 6:30:00 PM | 239400.000 | 760.017 | 20.666 |
| 10/14/2016 6:45:00 PM | 240300.000 | 759.940 | 20.655 |
| 10/14/2016 7:00:00 PM | 241200.000 | 760.072 | 20.598 |
| 10/14/2016 7:15:00 PM | 242100.000 | 760.133 | 20.528 |
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| 10/14/2016 8:45:00 PM | 247500.000 | 760.461 | 20.098 |
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| 10/14/2016 9:15:00 PM | 249300.000 | 760.574 | 19.877 |
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| 10/14/2016 10:00:00 PM | 252000.000 | 760.764 | 19.726 |
| 10/14/2016 10:15:00 PM | 252900.000 | 760.370 | 19.711 |
| 10/14/2016 10:30:00 PM | 253800.000 | 760.608 | 19.686 |
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| 10/14/2016 11:00:00 PM | 255600.000 | 760.656 | 19.592 |
| 10/14/2016 11:15:00 PM | 256500.000 | 760.706 | 19.566 |
| 10/14/2016 11:30:00 PM | 257400.000 | 760.857 | 19.535 |
| 10/14/2016 11:45:00 PM | 258300.000 | 760.900 | 19.520 |
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| 10/15/2016 12:15:00 AM | 260100.000 | 760.599 | 19.463 |
| 10/15/2016 12:30:00 AM | 261000.000 | 760.458 | 19.448 |
| 10/15/2016 12:45:00 AM | 261900.000 | 760.726 | 19.429 |
| 10/15/2016 1:00:00 AM | 262800.000 | 760.293 | 19.374 |
| 10/15/2016 1:15:00 AM | 263700.000 | 760.648 | 19.353 |

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| 10/15/2016 1:45:00 AM | 265500.000 | 760.587 | 19.304 |
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| 10/15/2016 2:30:00 AM | 268200.000 | 760.787 | 19.222 |
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| 10/15/2016 6:15:00 AM | 281700.000 | 760.627 | 18.802 |
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| 10/15/2016 8:00:00 AM | 288000.000 | 760.360 | 18.695 |
| 10/15/2016 8:15:00 AM | 288900.000 | 760.320 | 18.690 |
| 10/15/2016 8:30:00 AM | 289800.000 | 760.104 | 18.718 |
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| 10/15/2016 11:00:00 AM | 298800.000 | 760.689 | 19.498 |
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| 10/15/2016 12:45:00 PM | 305100.000 | 759.829 | 20.486 |
| 10/15/2016 1:00:00 PM | 306000.000 | 759.653 | 20.699 |
| 10/15/2016 1:15:00 PM | 306900.000 | 759.026 | 20.891 |
| 10/15/2016 1:30:00 PM | 307800.000 | 759.033 | 21.122 |
| 10/15/2016 1:45:00 PM | 308700.000 | 758.743 | 21.325 |
| 10/15/2016 2:00:00 PM | 309600.000 | 758.674 | 21.521 |
| 10/15/2016 2:15:00 PM | 310500.000 | 758.499 | 21.717 |
| 10/15/2016 2:30:00 PM | 311400.000 | 758.069 | 21.944 |
| 10/15/2016 2:45:00 PM | 312300.000 | 757.691 | 22.167 |

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| 10/15/2016 3:45:00 PM | 315900.000 | 758.138 | 22.911 |
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| 10/15/2016 4:15:00 PM | 317700.000 | 758.111 | 23.143 |
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| 10/15/2016 4:45:00 PM | 319500.000 | 758.879 | 23.246 |
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| 10/15/2016 5:15:00 PM | 321300.000 | 758.557 | 23.261 |
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| 10/15/2016 7:30:00 PM | 329400.000 | 757.898 | 22.108 |
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| 10/15/2016 9:15:00 PM | 335700.000 | 758.655 | 21.053 |
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| 10/15/2016 9:45:00 PM | 337500.000 | 758.595 | 20.837 |
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| 10/15/2016 10:45:00 PM | 341100.000 | 758.771 | 20.400 |
| 10/15/2016 11:00:00 PM | 342000.000 | 758.638 | 20.306 |
| 10/15/2016 11:15:00 PM | 342900.000 | 758.734 | 20.241 |
| 10/15/2016 11:30:00 PM | 343800.000 | 758.923 | 20.193 |
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| 10/16/2016 12:00:00 AM | 345600.000 | 759.080 | 20.052 |
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| 10/16/2016 1:30:00 AM | 351000.000 | 759.263 | 19.864 |
| 10/16/2016 1:45:00 AM | 351900.000 | 759.295 | 19.820 |
| 10/16/2016 2:00:00 AM | 352800.000 | 759.474 | 19.786 |
| 10/16/2016 2:15:00 AM | 353700.000 | 759.374 | 19.759 |
| 10/16/2016 2:30:00 AM | 354600.000 | 759.260 | 19.738 |
| 10/16/2016 2:45:00 AM | 355500.000 | 759.374 | 19.722 |
| 10/16/2016 3:00:00 AM | 356400.000 | 759.058 | 19.670 |
| 10/16/2016 3:15:00 AM | 357300.000 | 759.211 | 19.621 |
| 10/16/2016 3:30:00 AM | 358200.000 | 758.795 | 19.584 |
| 10/16/2016 3:45:00 AM | 359100.000 | 758.838 | 19.580 |
| 10/16/2016 4:00:00 AM | 360000.000 | 758.856 | 19.516 |
| 10/16/2016 4:15:00 AM | 360900.000 | 758.877 | 19.491 |

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| 10/16/2016 4:45:00 AM | 362700.000 | 758.752 | 19.455 |
| 10/16/2016 5:00:00 AM | 363600.000 | 758.747 | 19.429 |
| 10/16/2016 5:15:00 AM | 364500.000 | 758.794 | 19.393 |
| 10/16/2016 5:30:00 AM | 365400.000 | 758.615 | 19.377 |
| 10/16/2016 5:45:00 AM | 366300.000 | 759.030 | 19.318 |
| 10/16/2016 6:00:00 AM | 367200.000 | 758.587 | 19.327 |
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| 10/16/2016 10:00:00 AM | 381600.000 | 758.357 | 19.163 |
| 10/16/2016 10:15:00 AM | 382500.000 | 758.383 | 19.207 |
| 10/16/2016 10:30:00 AM | 383400.000 | 758.118 | 19.252 |
| 10/16/2016 10:45:00 AM | 384300.000 | 758.088 | 19.302 |
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| 10/16/2016 2:30:00 PM | 397800.000 | 756.599 | 19.862 |
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| 10/16/2016 4:00:00 PM | 403200.000 | 756.640 | 19.946 |
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| 10/17/2016 5:45:00 AM | 452700.000 | 761.696 | 17.563 |
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| 10/17/2016 6:15:00 AM | 454500.000 | 761.636 | 17.327 |
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| 10/17/2016 4:45:00 PM | 492300.000 | 762.634 | 21.756 |
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| 10/17/2016 5:45:00 PM | 495900.000 | 762.509 | 21.458 |
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| 10/17/2016 7:00:00 PM | 500400.000 | 762.388 | 20.590 |
| 10/17/2016 7:15:00 PM | 501300.000 | 762.628 | 20.347 |
| 10/17/2016 7:30:00 PM | 502200.000 | 762.789 | 20.032 |
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| 10/17/2016 8:00:00 PM | 504000.000 | 763.083 | 19.685 |
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| 10/17/2016 8:45:00 PM | 506700.000 | 763.421 | 19.290 |

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| 10/18/2016 10:00:00 AM | 554400.000 | 766.353 | 16.685 |
| 10/18/2016 10:15:00 AM | 555300.000 | 766.558 | 16.994 |

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| 10/18/2016 5:45:00 PM | 582300.000 | 764.537 | 20.459 |
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| 10/18/2016 10:15:00 PM | 598500.000 | 765.702 | 17.804 |
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| 10/18/2016 11:00:00 PM | 601200.000 | 765.654 | 17.428 |
| 10/18/2016 11:15:00 PM | 602100.000 | 765.766 | 17.343 |
| 10/18/2016 11:30:00 PM | 603000.000 | 765.743 | 17.256 |
| 10/18/2016 11:45:00 PM | 603900.000 | 765.722 | 17.135 |

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| 10/19/2016 12:45:00 AM | 607500.000 | 765.354 | 16.722 |
| 10/19/2016 1:00:00 AM | 608400.000 | 765.772 | 16.614 |
| 10/19/2016 1:15:00 AM | 609300.000 | 765.836 | 16.505 |
| 10/19/2016 1:30:00 AM | 610200.000 | 765.620 | 16.393 |
| 10/19/2016 1:45:00 AM | 611100.000 | 765.821 | 16.304 |
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| 10/19/2016 1:15:00 PM | 652500.000 | 765.151 | 19.007 |

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| 10/19/2016 7:00:00 PM | 673200.000 | 764.133 | 19.514 |
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Serial_number:

2003874

Project ID:

MPWSP Monitoring Wells Barologge

Location:

MW-5M Baro

LEVEL

UNIT: psi

TEMPERATURE

UNIT: °C

| Date | Time | ms | LEVEL | TEMPERATURE |
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| 10/18/2016 | 10:00:00 | 0 | 14.7798 | 18.886 |
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| 10/18/2016 | 10:30:00 | 0 | 14.7773 | 20.226 |
| 10/18/2016 | 10:45:00 | 0 | 14.7798 | 20.992 |
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| 10/19/2016 | 22:00:00 | 0 | 14.745 | 12.405 |
| 10/19/2016 | 22:15:00 | 0 | 14.7468 | 12.234 |
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| 10/19/2016 | 23:00:00 | 0 | 14.7444 | 11.823 |
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| 10/19/2016 | 23:30:00 | 0 | 14.745 | 11.542 |
| 10/19/2016 | 23:45:00 | 0 | 14.7476 | 11.404 |

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