AIR MONITORING SUMMARY REPORT

Vasco Road Landfill
4001 North Vasco Road
Livermore, California

PREPARED FOR:

CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL
HAZARDOUS WASTE MANAGEMENT PROGRAM
PO BOX 806
SACRAMENTO, CALIFORNIA 95812

PREPARED BY:

GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DRIVE, SUITE 800
RANCHO CORDOVA, CALIFORNIA 95742

GEOCON

GEOCON PROJECT NO. S9850-03-21A **JANUARY 2018**

GEOCON
CONSULTANTS, INC.
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. S9850-03-21A
January 26, 2018

John Muegge
Hazardous Substances Engineer
Hazardous Waste Management Program
Department of Toxic Substances Control
P.O. Box 806
Sacramento, California 95812-0806

Subject: AIR MONITORING SUMMARY REPORT
VASCO ROAD LANDFILL
4001 N VASCO ROAD
LIVERMORE, CALIFORNIA
CONTRACT NUMBER 16-T4278

Dear Mr. Muegge:

In accordance with the above-referenced contract, Geocon has prepared the enclosed Air Monitoring Summary Report for the above-referenced landfill that receives metal shredding waste. The California Department of Toxic Substances Control (DTSC) requested air monitoring to evaluate the potential for off-site migration of airborne particulates from facilities receiving metal shredding waste. The report summarizes the air monitoring activities performed including sample collection, laboratory analysis, and data quality assessment. The DTSC intends to use these results to assess the potential impacts from air emissions from metal shredding waste used as landfill cover material.

We appreciate the opportunity to work with the DTSC on this project. Please let us know if you have questions concerning the report or we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

PROFESSIONAL GEOLOGIST
JOSH EWERT
NO. 9096
STATE OF CALIFORNIA

Josh Ewert, PG
Project Geologist

Jim Brake, PG
Senior Geologist

IDENTIFICATION FORM

Document Title: Air Monitoring Summary Report
Vasco Road Landfill

Site Location: 4001 N. Vasco Road, Livermore, CA 94550

Contract No.: 16-T4278

Prepared by: Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, California 95742
916.852.9118

Geocon Project Number: S9850-03-21A

Geocon Contract Manager: Jim Brake, PG
brake@geoconinc.com
916.852.9118

Geocon Contract Manager:

Approval: _____ Date: January 26, 2018
Jim Brake, PG No. 5753

Geocon Project Manager:

Approval: _____ Date: January 26, 2018
Josh Ewert, PG No. 9096

This Report has been prepared for the California Environmental Protection Agency (CalEPA), DTSC. The material herein is not to be disclosed to, discussed with, or made available to any person(s) for any reason without prior express approval of the appropriate responsible DTSC officer.

APPROVAL FORM

Document Title:	Air Monitoring Summary Report Vasco Road Landfill
Site Location:	4001 N. Vasco Road, Livermore, CA 94550
Contract No.:	16-T4278
Prepared by:	Geocon Consultants, Inc. 3160 Gold Valley Drive, Suite 800 Rancho Cordova, California 95742 916.852.9118
Geocon Project Number:	S9850-03-21A
DTSC Contract Manager:	John Muegge John.Muegge@dtsc.ca.gov 916.322.0471

DTSC Contract Manager:

Approval: _____ Date: _____

John Muegge

DISTRIBUTION LIST

John Muegge, Contract Manager (1 hard-copy, e-copy)
California Environmental Protection Agency
Department of Toxic Substances Control
Hazardous Waste Management Program

Josh Ewert, PG and Jim Brake, PG (project file)
Geocon Consultants, Inc.

TABLE OF CONTENTS

AIR MONITORING SUMMARY REPORT
VASCO ROAD LANDFILL PAGE

IDENTIFICATION FORM i
APPROVAL FORM ii
DISTRIBUTION LIST iii
TABLE OF CONTENTS iv
ACRONYMS AND ABBREVIATIONS vi

1.0 INTRODUCTION 1
1.1 Background 1
1.2 Responsible Agency 2
1.3 Project Contact Information 2

2.0 SITE DESCRIPTION 3
2.1 Facility Description 3
2.2 Regional Climate and Wind Direction 3

3.0 METHODS AND PROCEDURES 3
3.1 Pre-Field Activities 4
3.2 Sampling Locations 4
3.3 Sampling Equipment 4
3.4 Calibration and Leak Check Testing 5
3.4.1 TSP Calibration 5
3.4.2 PM_{10} and $PM_{2.5}$ Calibration 6
3.5 Air Sampling Description 7
3.5.1 First Monitoring Event (T1) 7
3.5.2 Second Monitoring Event (T2) 8
3.5.3 Third Monitoring Event (T3) 8
3.6 Meteorological Conditions 9
3.7 Packaging and Shipping 9
3.8 Laboratory Analysis 9
3.9 Variance from SAP 9

4.0 RESULTS 10
4.1 Analytical Results 10
4.1.1 TSP 10
4.1.2 PM_{10} 10
4.1.3 $PM_{2.5}$ 10
4.2 Data Quality Analysis 11
4.3 Meteorological Data 11

5.0 REPORT LIMITATIONS 14

6.0 REFERENCES 15

FIGURES
1. Vicinity Map
2. Site Plan

PHOTOGRAPHS 1 through 5

TABLE OF CONTENTS (Continued)

TABLES – IN-TEXT (Identified by the "T" Preface)

T1.3 Personnel Contact Information and Title
T3.3A Sampling Analytes, Media and Equipment
T3.3B Sampler Spacing Requirements
T3.4.1 TSP Sampler Flow Rates and Total Flows
T3.4.2 PM10 and PM2.5 R Coefficients
T4.3A Meteorological Data Per Test
T4.3B Frequency of Wind Direction and Its Effect on Sample Location Representativeness for T1
T4.3C Frequency of Wind Direction and Its Effect on Sample Location Representativeness for T2
T4.3D Frequency of Wind Direction and Its Effect on Sample Location Representativeness for T3

TABLES – POST-TEXT

1. Summary of Gravimetric and Metals Analytical Data – TSP
2. Summary of Gravimetric and Metals Analytical Data – PM_{10}
3. Summary of Gravimetric and Metals Analytical Data – $PM_{2.5}$

APPENDICES

A. Health and Safety Plan
B. Geocon Field Logs
C. TSP Calibration Worksheets
D. Sampling Summary, Data Log, and Alarm Log - PM_{10} Sampling Equipment
E. Sampling Summary, Data Log, and Alarm Log – $PM_{2.5}$ Sampling Equipment
F. Meteorological Data and Wind Rose Diagrams
G. Analytical Report
H. Data Quality Assessment Report

ABBREVIATIONS AND ACRONYMS	
AQMD	Air Quality Management District
CFR	Code of Federal Regulations
CLN	CHESTER LabNet
COC	chain-of-custody
COPC	chemical of potential concern
DTSC	Department of Toxic Substances Control
HSP	Health and Safety Plan
in-Hg	inches of mercury pressure
kW	kilowatt
l/min	liters per minute
LCS/LCSD	laboratory control sample/laboratory control sample duplicate
m	meter
$\mu g/m^3$	micrograms per cubic meter
µm	micrometer
m^3	cubic meter
m^3/min	cubic meter per minute
mph	miles per hour
mm	millimeter
NELAP	National Environmental Laboratory Accreditation Program
PM_{10}	particulate matter less than 10 µm
$PM_{2.5}$	particulate matter less than 2.5 µm
PTFE	Polytetrafluoroethylene
QA/QC	quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
SAP	Sampling and Analysis Plan
SB	Senate Bill
SVLRC	Simi Valley Landfill and Recycling Center
SWIS	Solid Waste Information System
Tisch	Tisch Environmental
TSP	total suspended particulates
USEPA	United States Environmental Protection Agency
VRL	Vasco Road Landfill
WRCC	Western Regional Climate Center
°F	degrees Fahrenheit

AIR MONITORING SUMMARY REPORT
VASCO ROAD LANDFILL
CONTRACT NO. 16-T4278

1.0 INTRODUCTION

Geocon Consultants, Inc. prepared this Air Monitoring Summary Report in compliance with California Department of Toxic Substances Control (DTSC) Contract Number 16-T4278. This report summarizes air monitoring performed at the Vasco Road Landfill (VRL) located at 4001 N. Vasco Road (the Site) in Livermore, California (Figure 1, Vicinity Map). The work was conducted in accordance with the DTSC-approved *Sampling and Analysis Plan* (SAP) dated August 2, 2017 (Geocon, 2017).

1.1 Background

Metal shredding/recycling facilities process end-of-life vehicles, appliances, and other forms of scrap metal to recover iron, steel, aluminum, and copper for re-use in new metal products. The metal shredding process generates large amounts of waste, which consists of plastics, rubber, glass, foam, fabrics, automobile fluids, dirt, and residual metals. The metal shredding process can also potentially create significant amounts of environmental contamination in the forms of stormwater runoff, contaminated soil, contaminated groundwater, and fugitive air emissions. The purpose of air monitoring was to assess the potential for fugitive air emissions from facilities receiving metal shredding waste, specifically related to these wastes.

Although metal shredding waste typically does not exceed the federal regulatory levels established by the Resource Conservation and Recovery Act (RCRA), metal shredding waste has been regulated as a California-only, non-RCRA hazardous waste since 1984 because residual levels of copper, lead, and zinc often exceed California's more stringent regulatory thresholds. Six large metal shredding facilities are currently authorized by DTSC to conduct metal shredding operations. Five of the facilities treat the metal shredding waste with a cement product which is intended to reduce the solubility of the metals and render the waste less hazardous. The sixth facility transfers their waste out of state for further processing. The treated waste is then disposed of in Class II or Class III landfills, where it is largely used as alternative daily cover.

Senate Bill (SB) 1249 (Hill, Chapter 756, Statutes of 2014) became law on January 1, 2015 and authorizes DTSC "to adopt regulations establishing alternative management standards for metal shredding facilities for hazardous waste management activities within the jurisdiction of the Department of Toxic Substances Control, that would apply in lieu of the hazardous waste management standards if the department performs specified actions" (SB 1249, Hill). SB 1249 authorizes the DTSC to consider the development of alternative management standards for metal shredding facilities. The DTSC has developed a 3-year plan to conduct the evaluation authorized by SB 1249, which includes an assessment of the potential impacts from air emissions.

The SAP describes air monitoring activities at the following landfills that receive metal shredding waste:

- VRL in Livermore, California, and
- Simi Valley Landfill and Recycling Center (SVLRC) at 2801 Madera Road, Simi Valley, California.

These two facilities were selected to represent examples of landfills that receive metal shredding waste that operate in a variety of different geographic conditions and under the jurisdiction of various local Air Quality Management Districts (AQMD). At each facility Geocon staff performed a minimum of three consecutive 24-hour air monitoring events. Information from the air monitoring events will be used to develop regulations establishing alternative management standards for facilities receiving metal shredding waste for hazardous waste management activities.

1.2 Responsible Agency

DTSC is the lead regulatory agency overseeing this air monitoring program. DTSC regulates hazardous waste in California, under the authority of RCRA and the California Health and Safety Code.

1.3 Project Contact Information

The title/responsibility, names, phone numbers, and e-mail addresses of personnel associated with the air monitoring project are summarized in Table T1.3:

Table T1.3 – Personnel Contact Information and Title

Agency/Company	Name	Title/Responsibility	Phone Number	E-mail Address
DTSC	John Muegge	Contract Manager	916.322.0471	John.Muegge@dtsc.ca.gov
Geocon	Jim Brake	Program/Quality Assurance Manager	916.852.9118	brake@geoconinc.com
Geocon	Josh Ewert	Project/Technical Manager	916.852.9118	ewert@geoconinc.com
CHESTER LabNet	Sheri Meldstab	Inorganic Lab Manager and Quality Assurance/Quality Control (QA/QC) Coordinator	503.624.2183	sheldstab@chesterlab.net

2.0 SITE DESCRIPTION

2.1 Facility Description

Site Name:	Vasco Road Landfill
Site Address:	4001 N Vasco Road, Livermore, CA, 94550 (Figures 1 and 2)
County:	Alameda
Site Operator:	Republic Services
Local AQMD:	Bay Area Air Quality Management District
Local AQMD Contact:	Eric Stevenson (415) 749-4695

VRL is located approximately 5 miles northeast of downtown Livermore, on the east side of Vasco Road. According to the CalRecycle Solid Waste Information System (SWIS) webpage, VRL is permitted as an active solid waste disposal facility that can receive "contaminated soil, industrial, mixed-municipal, other designated, green materials, and construction/demolition" waste types. The disposal and total acreages of the landfill are 246 and 323 acres respectively (SWIS website, 2017).

VRL is surrounded by open land with two farmhouses to the west and south of the landfill area. Vasco Road is located beyond VRL to the north, west, and south. Surrounding properties and facilities are shown on Figure 2, Site Plan.

2.2 Regional Climate and Wind Direction

Monthly average temperatures range from the high-30s degrees Fahrenheit (°F) in January to the high-80s °F in July. Annual average precipitation for Livermore is 14.18 inches per year, with the lowest precipitation occurring between June and September (WRCC, 2016). Wind direction data is obtained from the Livermore Municipal Airport, located approximately 6 miles west of VRL (http://mesonet.agron.iastate.edu, 2017). The average wind speed ranges from 5.2 miles per hour (mph) in November to 9.7 mph in June and July. Higher wind speeds typically occur from May to August. The most common wind directions throughout the year are from the west and west-southwest. During the month of August, the average wind speed is 9.6 mph with a predominant wind direction of west.

3.0 METHODS AND PROCEDURES

This section summarizes the methods and sampling procedures utilized during the air monitoring event. Detailed information and protocols for field methods are provided in the SAP (Geocon, 2017).

3.1 Pre-Field Activities

Geocon staff performed the following pre-field activities:

- Arranged for shipment of sampling equipment from Tisch Environmental (Tisch) and prepared sampling equipment for the field;
- Prepared a site-specific Health and Safety Plan (HSP) to provide guidelines on the use of personal protective equipment and health and safety procedures to be implemented during the field activities. A copy of the HSP is in Appendix A;
- Retained CHESTER LabNet (CLN), a National Environmental Laboratory Accreditation Program (NELAP)-certified laboratory in Tigard, Oregon, to provide gravimetric and metals analysis of air samples.

3.2 Sampling Locations

Air samples were collected from four locations at the Site with presumed locations upwind (VRL1), downwind (VRL2), and crosswind (VRL3) of the working faces of the landfill. VRL5 was a collocated, duplicate sampling location for VRL2 and was sampled in accordance with the QA/QC sampling schedule in the SAP. Sample locations are shown on Figure 2. Photos 1 through 5 provide images of the sample equipment and working faces of the landfill in reference to the sample locations.

3.3 Sampling Equipment

At each sampling location, air samples were collected using the equipment in Table T3.3A:

Table T3.3A – Sampling Analytes, Media and Equipment

Analytes	Sample Media	Sampler
Total suspended particulates (TSP), Metals	8”x10” Quartz fiber filter	TE-5170V high-volume
Particulate matter (PM) less than 10 micrometers (µm) (PM_{10}), Metals	46.2-millimeter (mm)-diameter polytetrafluoroethylene (PTFE) Teflon™ with integral support ring with a pore size of 10 µm	TE-Wilbur10 low-volume
PM less than 2.5 µm ($PM_{2.5}$), Metals	46.2-mm-diameter PTFE Teflon with integral support ring with a pore size of 10 µm	TE-Wilbur2.5 low-volume

Generators with an electrical capacity of 25 kilowatts (kW) were used to power the TSP, PM_{10}, and $PM_{2.5}$ sampling equipment.

Spatial arrangement of samplers in each location (i.e., distance between samplers, height above ground surface) were in accordance with the sampling placement requirements listed in *40 Code of Federal Regulations (CFR) Appendix E to Part 58 - Probe and Monitoring Path Siting Criteria for Ambient Air Quality Monitoring* [United States Environmental Protection Agency (USEPA), 2015]. As such, requirements for sampler spacing were relative to the sampling unit inlet (edge) and conformed to Table T3.3B:

Table T3.3B – Sampler Spacing Requirements				
Parameter	**Flow Rate**	**Inlet Above Ground Level Height Requirement (meters)**	**Horizontal Collocation Requirement (meters)**	**Vertical Collocation Requirement (meters)**
TSP, Metals	High-volume (~ 1,100 L/min)	2-7	2-4	≤ 3
PM_{10}, Metals	Low-volume (~16.7 L/min)	2-7	1-4	≤ 3
$PM_{2.5}$, Metals	Low-volume (~16.7 L/min)	2-7	1-4	≤ 3

Note: L/min = Liters per minute

Additionally, inlets were greater than 2 meters (m) away from supporting structures (like walls, parapets, or penthouses), greater than 10 m from trees, and between 2 and 10 m from roadways. Inlets also had unrestricted airflow and were located away from obstacles, so that the distance from the obstacle to the inlet was at least twice the height that the obstacle protruded above the inlet.

3.4 Calibration and Leak Check Testing

The TSP, PM_{10}, and $PM_{2.5}$ sampling equipment was calibrated onsite on August 21, 2017. Calibration and leak checks were performed once the equipment was set up at a sampling location and prior to its first use. Calibration and leak checks were performed in accordance with the calibration schedule in Table 3 of the SAP. A copy of the field log, which contains additional information about the calibration and leak check testing, is in Appendix B.

3.4.1 TSP Calibration

TSP calibration included attaching a calibrated orifice and water manometer to each sampler, operating each device with the orifice at four positions that varied the flow rate into the sampler, and recording the measurements of the water manometer for each position directly into the *TE-5170V Sampler Calibration Worksheet* (Appendix C). Leak checks were performed by covering the top of the orifice and listening for a high-pitched squeal. The calculated flow rates and total flows for the TSP sampling equipment are in Table T3.4.1:

Table T3.4.1 – TSP Sampler Flow Rates and Total Flows		
Sample Location	**Calculated TSP Flow Rate (m^3/min)**	**Calculated TSP Total Flow1 (m^3)**
VRL1	1.224	1,762.02
VRL2	1.232	1,773.44
VRL3	1.223	1,760.68
VRL5	1.230	1,770.99

Notes: m^3/min = cubic meters per minute
m^3 = cubic meters

No leaks were identified and observed flow rates were acceptable to achieve the desired reporting limits for a 24-hour sample specified in the SAP (Geocon, 2017).

3.4.2 PM_{10} and $PM_{2.5}$ Calibration

PM_{10} and $PM_{2.5}$ calibration included measuring temperature and pressure using calibrated temperature and barometric pressure devices, and entering the measurements into the samplers at the appropriate calibration input screen. Flows were calibrated by placing a calibrated flow standard on the intake of the sampler and running the flow calibration program for the sampler. External leak checks were performed by installing a closed flow rate adapter to the sample inlet and running the leak check program on the sampler. Internal leak checks were performed by installing internal leak check disks into the samplers and running the internal leak check program on the sampler. The calibration results for the PM_{10} and $PM_{2.5}$ sampling equipment were recorded in Geocon's field log (Appendix B) and on the PM_{10} and $PM_{2.5}$ alarm logs on each unit (Appendices D and E, respectively). After the sampling equipment is calibrated, the slope, intercept, and Pearson product-moment correlation coefficient (R coefficient) are displayed. If the R coefficient was greater than 0.98, the calibration was considered successful. The R coefficients for the PM_{10} and $PM_{2.5}$ sampling equipment are provided in Table T3.4.2.

Table T3.4.2 – PM_{10} and $PM_{2.5}$ R Coefficients		
Sample Location	**Analyte**	**R Coefficient**
VRL1	PM_{10}	0.99997
	$PM_{2.5}$	0.99971
VRL2	PM_{10}	0.99947
	$PM_{2.5}$	0.99965
VRL3	PM_{10}	0.99992
	$PM_{2.5}$	0.99995
VRL5	PM_{10}	0.99945
	$PM_{2.5}$	0.99942

No leaks were identified and subsequent observed flow rates were acceptable to achieve the desired reporting limits for a 24-hour sample specified in the SAP (Geocon, 2017).

3.5 Air Sampling Description

The three 24-hour monitoring events were performed between August 21 and 25, 2017. This section summarizes the three 24-hour monitoring events and describes the facility operations during each event.

3.5.1 First Monitoring Event (T1)

After calibrating and installing the appropriate sample media in each sampling device, Geocon staff began the first 24-hour monitoring event by turning on the sampling equipment for locations VRL1, VRL2, VRL3, and VRL5 between 1835 and 1905 on August 21, 2017. Geocon staff checked on the status of the sampling equipment at the beginning, during, and prior to completion of the event. After 24-hours, Geocon staff ended T1 by turning off the sampling equipment at each location, and retrieved and stored the sample media.

Field-based Quality Control (QC) parameters performed during T1 included collection of collocated samples, also referred to as duplicate samples. The collocated samples were collected and analyzed to check for sampling and analysis error, reproducibility, and homogeneity. Collocated samples VRL2 (primary sample) and VRL5 (duplicate sample) were obtained from two identically configured sampler sets operating simultaneously in one sampling location, separated by an appropriate distance.

VRL reported the amount of treated metal shredder waste that was received for each day of the monitoring events. VRL reported that 19 truckloads containing 446.11 tons of metal shredding waste were received by VRL between 1835 on August 21 and 1905 on August 22, the duration of T1.

3.5.2 Second Monitoring Event (T2)

At the completion of T1, Geocon staff replaced the sample media in the sampling equipment, then began the next monitoring event as soon as practicable. The time between the completion of T1 and the start of T2 was approximately 30 minutes. The second 24-hour monitoring event began by turning on the sampling equipment for VRL1, VRL2, and VRL3 between 1935 and 1955. Geocon staff checked on the status of the sampling equipment at the beginning, during, and prior to completion of the monitoring event. After 24 hours, Geocon staff ended T2 by turning off the sampling equipment at each location, and retrieving and storing the sample media.

Field-based QC during T2 included collection of field blanks. Field blanks were collected and analyzed to assess the possible contamination of samples before, during, and after sample collection. Each field blank consisted of a clean filter that was placed onto the air sampler and then taken off without running the sampler. Geocon staff collected field blank samples from location VRL1 in between T2 and T3.

During the second monitoring event, 17 truckloads containing 396.35 tons of metal shredding waste were received by VRL between 1935 on August 22 and 1955 on August 23, the duration of T2.

3.5.3 Third Monitoring Event (T3)

At the completion of T2, Geocon staff replaced the sample media in each of the pumps, then began the next monitoring event as soon as practicable. There was insufficient daylight at the end of T2 to safely replace the sample media, so the start of the third monitoring event was postponed until the following morning. T3 began by turning on the sampling equipment for VRL1, VRL2, VRL3, and VRL5 between 0817 and 0915. Geocon staff checked on the status of the sampling equipment at the beginning, during, and prior to completion of the monitoring event. After 24 hours, Geocon staff ended T3 by turning off the sampling equipment at each location, and retrieved and stored the sample media.

Field-based QC parameters performed during T3 included collection of collocated field blanks and filter blanks. Collocated samples VRL2 (primary sample) and VRL5 (duplicate sample) were obtained from two identically configured sampler sets operating simultaneously in one location. Geocon staff collected field blank sample from location VRL3 at the end of T3. Filter blanks (sometimes referred to as trip blanks for air sampling) were collected and analyzed to assess the contamination of samples from the native presence of target analytes in the filters used for air sample collection. Each filter blank consisted of a clean filter that was transported with the associated primary samples, but was not taken out of its protective sleeve. One filter blank was collected during after T3.

During the third monitoring event, 15 truckloads containing 337.42 tons of metal shredding waste were received by VRL between 0817 on August 24 and 0905 on August 25, the duration of T3.

3.6 Meteorological Conditions

A Davis Vantage Pro2 weather monitoring station recorded site-specific data for wind direction, speed, temperature, relative humidity, and pressure during the three monitoring events. Weatherlink® software and a data logger allowed monitoring and downloading of the site-specific data. The location of the weather station during the monitoring events is shown in the Site Plan, Figure 2. The meteorological data is in Appendix F.

3.7 Packaging and Shipping

Geocon staff shipped the TSP, PM_{10}, and $PM_{2.5}$ samples via overnight delivery under standard chain-of-custody (COC) to CLN on August 29, 2017.

The following summarizes the sample packaging procedures:

- Sample and QA/QC containers were placed into re-sealable plastic storage bags that were put into the sample coolers. Blue ice bags were packed on top and around the samples to maintain an appropriate temperature in the cooler.
- Empty space in sample coolers was filled with bubble wrap to prevent sample container shifting during transportation to the laboratory.
- The COCs were double-bagged in re-sealable plastic bags and placed inside the cooler.

3.8 Laboratory Analysis

CLN analyzed the samples for:

- TSP per 40 CFR Part 50, Appendix B to Part 50 *Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere* (USEPA, 1998);
- PM_{10} per 40 CFR Part 50, Appendix J to Part 50 *Reference Method for the Determination of Particulate Matter as PM_{10} in the Atmosphere* (USEPA, 1998), 40 CFR Part 50, Appendix L to Part 50 *Reference Method for the Determination of Particulate Matter as $PM_{2.5}$ in the Atmosphere* (USEPA, 1998) and *Quality Assurance Guidance Document 2.12 – Monitoring $PM_{2.5}$ in Ambient Air Using Designated Reference or Class I Equivalent Methods* (USEPA, 2016);
- $PM_{2.5}$ per 40 CFR Part 50, Appendix L to Part 50 *Reference Method for the Determination of Particulate Matter as $PM_{2.5}$ in the Atmosphere* (USEPA, 1998) and *Quality Assurance Guidance Document 2.12 – Monitoring $PM_{2.5}$ in Ambient Air Using Designated Reference or Class I Equivalent Methods* (USEPA, 2016);

3.9 Variance from SAP

A new working landfill face was established between locations VRL2 and VRL3 during T3; however, metal shredding waste was not used as landfill cover at this location. No other variances from the SAP were identified.

4.0 RESULTS

This section presents the analytical results for the three air monitoring events and an evaluation of the quality of the data reported by the laboratory.

4.1 Analytical Results

The results of the gravimetric and metals analyses for the TSP, PM_{10}, and $PM_{2.5}$ samples are shown in Tables 1 through 3, respectively. A copy of the analytical report is in Appendix G.

Following are a few important points to note with respect to the analytical results:

4.1.1 TSP

- The greatest TSP concentrations were detected in samples from VRL3, followed by those from VRL2, and VRL1.
- The greatest TSP concentrations were detected in samples from T1, followed by those from T3, and T2.
- The five TSP metals with the greatest concentration were iron at 4.0230 micrograms per cubic meter ($\mu g/m^3$), aluminum at 1.8240 $\mu g/m^3$, copper at 0.1249 $\mu g/m^3$, manganese at 0.0778 $\mu g/m^3$, and zinc at 0.0533 $\mu g/m^3$.

4.1.2 PM_{10}

- The greatest PM_{10} concentrations were detected in samples from VRL3, followed by VRL2, and VRL1.
- The greatest PM_{10} concentrations were detected in samples from T1, followed by those from T3, and T2.
- The five PM_{10} metals with the greatest concentration were aluminum at 2.3600 $\mu g/m^3$, iron at 2.2530 $\mu g/m^3$, zinc at 0.0458 $\mu g/m^3$, manganese at 0.0451 $\mu g/m^3$, and copper at 0.0156 $\mu g/m^3$.

4.1.3 $PM_{2.5}$

- The greatest $PM_{2.5}$ concentrations were detected in samples from VRL3, followed by those from VRL2, and VRL1.
- The greatest $PM_{2.5}$ concentrations were detected in samples from T2, followed by those from T1, and T3.
- The five $PM_{2.5}$ metals with the greatest concentration were iron at 0.1598 $\mu g/m^3$, aluminum at 0.1361 $\mu g/m^3$, zinc at 0.0063 $\mu g/m^3$, tin at 0.0057 $\mu g/m^3$, and manganese at 0.0034 $\mu g/m^3$.

4.2 Data Quality Analysis

The analytical data was reviewed as described in Section 10 of the SAP. Appendix H includes the complete data quality assessment for this air monitoring event. In summary, the laboratory reported that the samples were received in good condition and that the QC samples analyzed met the minimum requirements for acceptability. Analysis of the field duplicate samples identified multiple analytes that had relative percent differences exceeding 20%. However, similar variability was observed in the analytical results of lab blank filter samples, which indicates that some of this variability can be at least moderately attributed to the variability inherent in the filter sample media.

4.3 Meteorological Data

The meteorological data and wind rose diagrams showing the wind directions and speeds measured during the three 24-hour sampling durations are in Appendix F. Additional meteorological information collected during each of the three 24-hour duration monitoring events is presented in Table T4.3.

Table T4.3A – Meteorological Data Per Monitoring Event

Mon. Event	Start Time/ Date	End Time/ Date	High Temp (°F)	Low Temp (°F)	Avg. Temp (°F)	Avg. Wind Speed (mph)	Dominant Wind Directions (% of Readings[1])	Rainfall (inches)	Avg. Pressure (in-Hg)
T1	1835 on 8/21/17	1905 on 8/22/17	86.7	55.8	67.9	6.96	N (46%) NNW (17%) NNE (15%)	0	29.06
T2	1935 on 8/22/17	1955 on 8/23/17	85.1	55.9	67.7	6.34	WSW (41%) W (17%) SW (14%)	0	29.01
T3	0807 on 8/24/17	0905 on 8/25/17	80.8	53.1	63.9	7.38	WSW (55%) SSE (17%)	0	28.91
Total	1830 8/21/17	0915 on 8/25/17	86.7	53.1	66.5	6.89	WSW (42%) N (13%)	0	28.99

Notes: °F = Degrees Fahrenheit
mph = Miles per hour
in-Hg = Inches of mercury pressure
[1] = Only percentages 10% or greater shown

Following are a few important points to note with respect to the metrological measurements:

- The weather station was discovered to be tipped over by wind near the end of T2 on August 23, 2017, consequently meteorological data was not recorded between 1750 and 1900. The predominant wind direction was recorded as being from the west, prior to and following the lapse in meteorological data collection, so we do not consider this to effect the results of the test.

- The measured wind speeds and directions were generally in accordance with those anticipated prior to the start of the work with except for conditions observed during T1.

Table T4.3B – Frequency of Wind Direction and Its Effect on Sample Location Representativeness for T1				
Wind Direction	**Frequency of Detection**	**VRL1**	**VRL2 and VRL5**	**VRL3**
N, NNW, and NNE	78%	upwind/cross-wind	downwind/cross-wind	cross-wind
NE, NW, and ENE	10%	cross-wind/upwind	cross-wind/downwind/ upwind	downwind/cross-wind/upwind
W, WNW, and WSW	8%	upwind/cross-wind	downwind/cross-wind	downwind
Other	2%	Variable	Variable	Variable
Calm	2%	N/A	N/A	N/A

As shown on Table T4.3B, during T1, VRL2/VRL5 and VRL3 were generally representative of downwind sample locations, and VRL1 was generally representative of an upwind sample location.

- A breakdown of the frequency of similar wind directions for T2 and upwind, cross-wind, and downwind positions of the sample locations is in Table T4.3C.

Table T4.3C – Frequency of Wind Direction and Its Effect on Sample Location Representativeness for T2				
Wind Direction	**Frequency of Detection**	**VRL1**	**VRL2 and VRL5**	**VRL3**
WSW, W, and SW	72%	upwind/ cross-wind	downwind/ cross-wind	downwind
SSE, S, SE, and SSW	16%	cross-wind/ downwind	upwind/ cross-wind	cross-wind/ downwind
NW and WNW	5%	upwind	downwind/ cross-wind	cross-wind/downwind
Other	6%	Variable	Variable	Variable
Calm	1%	N/A	N/A	N/A

As shown on Table T4.3C, during T2, VRL3 was generally representative of a downwind sample location, VRL1 was generally representative of an upwind sample location, and sample VRL2/VRL5 were generally downwind/cross-wind.

- A breakdown of the frequency of similar wind directions for T3 and upwind, cross-wind, and downwind positions of the sample locations is in Table T4.3D.

Table T4.3D – Frequency of Wind Direction and Its Effect on Sample Location Representativeness for T3				
Wind Direction	**Frequency of Detection**	**VRL1**	**VRL2 and VRL5**	**VRL3**
WSW, W, and SW	63%	upwind/ cross-wind	downwind/ cross-wind	downwind
SSE, S, SE	25%	cross-wind/ downwind	upwind/ cross-wind	cross-wind/ downwind
Calm	7%	N/A	N/A	N/A
Other	5%	Variable	Variable	Variable

As shown on Table T4.3D, during T3, VRL3 was generally representative of a downwind sample location, and sample VRL2/VRL5 were generally downwind/cross-wind.

5.0 REPORT LIMITATIONS

This report was prepared for the DTSC. Geocon-authorized users of this report are limited to the DTSC. Individuals or organizations deemed appropriate by the DTSC (including, but not necessarily limited to other regulatory agencies, prospective real estate brokers and buyers of all or parts of the Site and their counsel, and/or prospective lending institutions) may utilize the Report for informational purposes only.

Users of this report should understand that this monitoring event was not a comprehensive characterization of the Site. Air monitoring was limited to assessing the concentrations of the specified contaminants of potential concern (COPC) for this project with respect to the specific areas of potential concern identified in this report.

Geocon doed not guarantee or warranty, either express or implied, that there is no environmental, health, or financial risk associated with the specific areas identified in this report, other areas of the Site, or the Site as a whole. Users of this report must evaluate the risk of reliance upon the information herein and assume that risk (if any). Geocon is not responsible for unfavorable results due to reliance on information provided in this report.

Information herein with respect to the condition of the specific areas associated with this project is valid only as of the dates of our field activities. Changes in site conditions not brought to our attention between or subsequent to those dates (if any) could result in the need for additional characterization investigation and/or mitigation activities.

Information in this report is based on our site observations, analytical results and associated QC data reported for the air samples. Geocon does not certify or guarantee that the information obtained and reported by others is accurate or suitable for the intended purpose.

The authors of this report declare that, to the best of their knowledge, the information provided herein is truthful and accurate, notwithstanding unknown incidental errors or omissions that would not materially impact or change results of this project or our conclusions. Geocon strived to conduct activities for this project in accordance with the standard level of care in the local geographic area at the time the activities were rendered.

6.0 REFERENCES

Senate Bill 1249, 2013-2014. Ch. 756, 2014 California.

CalRecyle Vasco Road Landfill webpage, http://www.calrecycle.ca.gov/swfacilities/directory/01-AA-0010/Detail/

Geocon Consultants, Inc., *Sampling And Analysis Plan -Air Monitoring At Landfills Receiving Metal Shredding Waste Statewide: Vasco Road Landfill - 4001 N. Vasco Road, Livermore, California, Simi Valley Landfill and Recycling Center, 2801 Madera, Simi Valley, California – Contract Number 16-T4278*, August 2, 2017.

Iowa Environmental Mesonet Database, http://mesonet.agron.iastate.edu/

Tisch Environmental, *Operations Manual TE-5170V Volumetric Flow Controlled Total Suspended Particulate High-Volume Air Sampler,* August 2015.

Tisch Environmental, *TE-Wilbur Operations Manual,* Revised July 2017.

United States Environmental Protection Agency, *40 CFR Part 50, Appendix B to Part 50 Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere,* 1998.

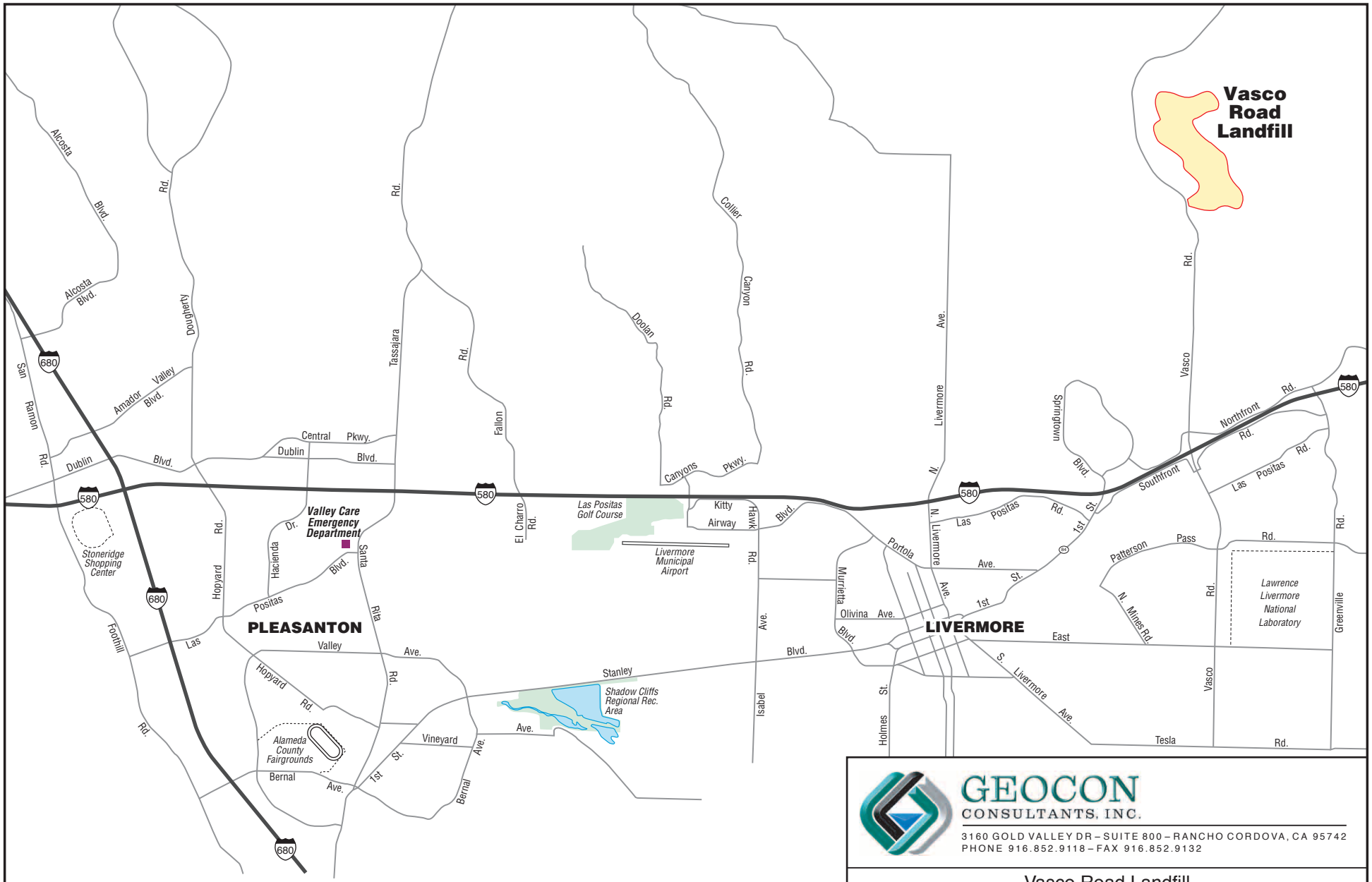
United States Environmental Protection Agency, *40 CFR Appendix E to Part 58 - Probe and Monitoring Path Siting Criteria for Ambient Air Quality Monitoring*, 2015.

United States Environmental Protection Agency, *40 CFR Part 50, Appendix J to Part 50 Reference Method for the Determination of Particulate Matter as PM_{10} in the Atmosphere*, 1998.

United States Environmental Protection Agency, *40 CFR Part 50, Appendix L to Part 50 Reference Method for the Determination of Particulate Matter as $PM_{2.5}$ in the Atmosphere*, 1998.

United States Environmental Protection Agency, *Quality Assurance Guidance Document 2.12 – Monitoring $PM_{2.5}$ in Ambient Air Using Designated Reference or Class I Equivalent Methods*, 2016.

Western Regional Climate Center webpage, http://www.wrcc.dri.edu/.



GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DR – SUITE 800 – RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 – FAX 916.852.9132

Vasco Road Landfill

4001 N. Vasco Road
Livermore, California

VICINITY MAP

S9850-03-21A	January 2018	Figure 1

LEGEND:

VRL3 ▲ Approximate Air Sampling Location

● Approximate Meteorological Station Location

0 600
Scale in Feet

GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DR – SUITE 800 – RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 – FAX 916.852.9132

Vasco Road Landfill

4001 N. Vasco Road
Livermore, California

SITE PLAN

S9850-03-21A	January 2018	Figure 2

Photo No. 1 Sampling location VRL1. Equipment shown from right to left: TE-Wilbur2.5, TE-Wilbur10, TE-5170V, and 25 kilowatt generator.

Photo No. 2 Sampling location VRL2 along with duplicate sample VRL5, Davis Vantage Pro 2, and 25 kilowatt generator.

PHOTOS NO. 1 & 2

GEOCON
CONSULTANTS, INC.
3160 GOLD VALLEY DR – SUITE 800 – RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 – FAX 916.852.9132

Vasco Road Landfill

4001 N. Vasco Road
Livermore, California

GEOCON Project No. S9850-03-21A | January 2018

Photo No. 3 Sampling location VRL3 with working face in background.

Photo No. 4 Main working face, facing east.

PHOTOS NO. 3 & 4

GEOCON
CONSULTANTS, INC.
3160 GOLD VALLEY DR – SUITE 800 – RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 – FAX 916.852.9132

Vasco Road Landfill

4001 N. Vasco Road
Livermore, California

GEOCON Project No. S9850-03-21A | January 2018

Photo No. 5 Secondary working face, facing southeast.

PHOTO NO. 5

GEOCON
CONSULTANTS, INC.
3160 GOLD VALLEY DR – SUITE 800 – RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 – FAX 916.852.9132

Vasco Road Landfill

4001 N. Vasco Road
Livermore, California

GEOCON Project No. S9850-03-21A | January 2018

TABLE 1
SUMMARY OF GRAVIMETRIC AND METALS ANALYTICAL DATA - TSP
LANDFILLS RECEIVING METAL SHREDDING WASTE
VASCO ROAD LANDFILL (VRL), 4001 N. VASCO ROAD, LIVERMORE, CALIFORNIA
CONTRACT NO. 16-T4278

Client ID	Sample Date	Tare (g)	Gross (g)	Net (µg)	Volume (m^3)	Concen-tration ($\mu g/m^3$)	Aluminum (Al) ($\mu g/m^3$)	Chromium (Cr) ($\mu g/m^3$)	Manganese (Mn) ($\mu g/m^3$)	Iron (Fe) ($\mu g/m^3$)	Nickel (Ni) ($\mu g/m^3$)	Copper (Cu) ($\mu g/m^3$)
VRL1-T1-TSP	8/22/2017	4.4089	4.4688	59,900	1,762	34.0	0.5611	0.0079	0.0171	0.7765	0.0046	0.0529
VRL1-T2-TSP	8/23/2017	4.4008	4.4725	71,700	1,762	40.7	0.7530	0.0096	0.0235	1.1000	0.0048	0.0604
VRL1-T3-TSP	8/25/2017	4.3957	4.4595	63,800	1,762	36.2	0.6710	0.0090	0.0220	1.0210	0.0061	0.0479
VRL2-T1-TSP	8/22/2017	4.4334	4.5425	109,100	1,773	61.5	0.8257	0.0131	0.0351	1.6270	0.0082	0.1249
VRL2-T2-TSP	8/23/2017	4.4063	4.5195	113,200	1,773	63.8	0.8319	0.0134	0.0326	1.4650	0.0062	0.112
VRL2-T3-TSP	8/25/2017	4.4190	4.6139	194,900	1,773	110	1.0360	0.0189	0.0447	2.0290	0.0077	0.1052
VRL3-T1-TSP	8/22/2017	4.4336	4.8369	403,300	1,760	229	1.6030	0.0277	0.0621	3.1050	0.0129	0.0454
VRL3-T2-TSP	8/23/2017	4.4194	4.7280	308,600	1,760	175	1.8240	0.0231	0.0683	3.6910	0.0108	0.0533
VRL3-T3-TSP	8/25/2017	4.5034	4.7932	289,800	1,760	165	1.7290	0.0256	0.0778	4.0230	0.0116	0.0785
Field Duplicate												
VRL5-T1-TSP	*8/22/2017*	*4.4312*	*4.4971*	*65,900*	*1,771*	*37.2*	*0.5248*	*0.0080*	*0.0196*	*0.7535*	*0.0064*	*0.0533*
VRL5-T3-TSP	*8/25/2017*	*4.3956*	*4.5882*	*192,600*	*1,771*	*109*	*1.1710*	*0.0203*	*0.0525*	*2.2680*	*0.0083*	*0.0677*
Field Blank												
VRL1-T2-TSP-FB	*8/23/2017*	*4.4142*	*4.4152*	*1,000*	---	---	*525.8000*	*7.8760*	*8.1200*	*119.2000*	*6.5370*	*14.7800*
VRL3-T3-TSP-FB	*8/25/2017*	*4.4678*	*4.4686*	*800*	---	---	*491.7000*	*8.9730*	*6.9430*	*122.6000*	*6.4550*	*15.8700*
Trip Blank												
VRL-TB-TSP	*8/22/2017*	*4.4472*	*4.4486*	*1,400*	---	---	*561.1000*	*10.0700*	*8.2820*	*123.1000*	*8.0390*	*15.5900*
Lab Blank												
Lab Blank [1]		*4.4366*	*4.4372*	*600*	---	---	*499.8000*	*9.3790*	*5.5220*	*122.1000*	*7.1050*	*14.0900*
Lab Blank [1]		*4.4462*	*4.4474*	*1,200*	---	---	*372.7000*	*11.7300*	*8.3640*	*121.2000*	*7.3890*	*14.940*

TABLE 1
SUMMARY OF GRAVIMETRIC AND METALS ANALYTICAL DATA - TSP
LANDFILLS RECEIVING METAL SHREDDING WASTE
VASCO ROAD LANDFILL (VRL), 4001 N. VASCO ROAD, LIVERMORE, CALIFORNIA
CONTRACT NO. 16-T4278

Client ID	Sample Date	Zinc (Zn) ($\mu g/m^3$)	Cadmium (Cd) ($\mu g/m^3$)	Tin (Sn) ($\mu g/m^3$)	Lead (Pb) ($\mu g/m^3$)
VRL1-T1-TSP	8/22/2017	0.0179	0.0000	0.0091	0.0042
VRL1-T2-TSP	8/23/2017	0.0187	0.0000	0.0088	0.0058
VRL1-T3-TSP	8/25/2017	0.0100	0.0006	0.0064	0.0055
VRL2-T1-TSP	8/22/2017	0.0310	0.0000	0.0112	0.0063
VRL2-T2-TSP	8/23/2017	0.0290	0.0004	0.0104	0.0066
VRL2-T3-TSP	8/25/2017	0.0331	0.0000	0.0107	0.0161
VRL3-T1-TSP	8/22/2017	0.0523	0.0000	0.0104	0.0106
VRL3-T2-TSP	8/23/2017	0.0529	0.0000	0.0119	0.0122
VRL3-T3-TSP	8/25/2017	0.0533	0.0011	0.0097	0.0132
Field Duplicate					
VRL5-T1-TSP [1]	*8/22/2017*	*0.0174*	*0.0000*	*0.0114*	*0.0028*
VRL5-T3-TSP [1]	*8/25/2017*	*0.0352*	*0.0000*	*0.0104*	*0.0151*
Field Blank					
VRL1-T2-TSP-FB [1]	*8/23/2017*	*1.5430*	*0.0000*	*17.9000*	*7.1460*
VRL3-T3-TSP-FB [1]	*8/25/2017*	*0.0000*	*0.0000*	*18.1900*	*4.9530*
Trip Blank					
VRL-TB-TSP [1]	*8/22/2017*	*2.8420*	*0.0000*	*6.8610*	*0.0000*
Lab Blank					
Lab Blank [1]		*0.8120*	*0.0000*	*15.8700*	*1.0150*
Lab Blank [1]		*1.2180*	*0.0000*	*15.1400*	*3.4920*

Notes:
g = grams
m^3 = cubic meters
µg = micrograms
$\mu g/m^3$ = micrograms per cubic meter
--- = not sampled/tested
[1] = units for these QA/QC samples are µg/filter
Highlighted = concentrations are less than three times the uncertainty
Italics = Quality assurance/quality control samples
< = Less than the laboratory reporting limit

TABLE 2
SUMMARY OF GRAVIMETRIC AND METALS ANALYTICAL DATA - PM10
LANDFILLS RECEIVING METAL SHREDDING WASTE
VASCO ROAD LANDFILL (VRL), 4001 N. VASCO ROAD, LIVERMORE, CALIFORNIA
CONTRACT NO. 16-T4278

Client ID	Sample Date	Tare (mg)	Gross (mg)	Net (µg)	Volume (m^3)	Concen-tration ($\mu g/m^3$)	Aluminum (Al) ($\mu g/m^3$)	Chromium (Cr) ($\mu g/m^3$)	Manganese (Mn) ($\mu g/m^3$)	Iron (Fe) ($\mu g/m^3$)	Nickel (Ni) ($\mu g/m^3$)	Copper (Cu) ($\mu g/m^3$)
VRL1-T1-PM10	8/22/2017	383.966	384.505	539	24	22.5	0.2763	0.0016	0.0072	0.3549	0.0012	0.0055
VRL1-T2-PM10	8/23/2017	390.741	391.426	685	24	28.5	0.4065	0.0014	0.0114	0.5127	0.0014	0.0054
VRL1-T3-PM10	8/25/2017	390.170	390.714	544	24	22.7	0.3573	0.0008	0.0060	0.4181	0.0001	0.0056
VRL2-T1-PM10	8/22/2017	390.920	391.750	830	24	34.6	0.6323	0.0042	0.0175	0.8353	0.0022	0.0082
VRL2-T2-PM10	8/23/2017	382.675	383.558	883	24	36.8	0.6064	0.0024	0.0144	0.7369	0.0012	0.0074
VRL2-T3-PM10	8/25/2017	390.223	391.409	1186	24	49.4	0.9614	0.0040	0.0252	1.2320	0.0031	0.0081
VRL3-T1-PM10	8/22/2017	386.499	388.599	2100	24	87.5	2.3600	0.0109	0.0451	2.2530	0.0073	0.0156
VRL3-T2-PM10	8/23/2017	389.002	390.592	1590	24	66.3	1.6590	0.0071	0.0364	1.9330	0.0045	0.0113
VRL3-T3-PM10	8/25/2017	388.041	389.779	1738	24	72.4	1.9920	0.0088	0.0339	2.0030	0.0045	0.0095
Field Duplicate												
VRL5-T1-PM10	*8/22/2017*	*390.053*	*390.880*	*827*	*24*	*34.5*	*0.6422*	*0.0023*	*0.0175*	*0.8428*	*0.0018*	*0.0078*
VRL5-T3-PM10	*8/25/2017*	*389.331*	*390.458*	*1127*	*24*	*47.0*	*0.8984*	*0.0051*	*0.0218*	*1.1140*	*0.0022*	*0.0078*
Field Blank												
VRL1-T2-PM10-FB	*8/23/2017*	*390.301*	*390.296*	*-5*	---	---	*0.0000*	*0.0034*	*0.0000*	*0.0000*	*0.0034*	*0.0000*
VRL3-T3-PM10-FB	*8/25/2017*	*388.212*	*388.216*	*4*	---	---	*0.0011*	*0.0000*	*0.0090*	*0.0000*	*0.0000*	*0.0034*
Trip Blank												
VRL-TB-PM10	*8/22/2017*	*385.124*	*385.102*	*-22*	---	---	*0.0000*	*0.0000*	*0.0045*	*0.0000*	*0.0011*	*0.0034*
Lab Blank												
Lab Blank [1]		*382.741*	*382.732*	*-9*	---	---	*0.0000*	*0.0000*	*0.0113*	*0.0000*	*0.0000*	*0.0034*
Lab Blank [1]		*383.898*	*383.900*	*2*	---	---	*0.0000*	*0.0023*	*0.0056*	*0.0000*	*0.0034*	*0.0023*
Lab Blank [1]		*384.458*	*384.447*	*-11*	---	---	*0.0000*	*0.0000*	*0.0090*	*0.0000*	*0.0000*	*0.0011*
Lab Blank [1]		*387.685*	*387.678*	*-7*	---	---	*0.0000*	*0.0011*	*0.0000*	*0.0090*	*0.0000*	*0.0068*

TABLE 2
SUMMARY OF GRAVIMETRIC AND METALS ANALYTICAL DATA - PM10
LANDFILLS RECEIVING METAL SHREDDING WASTE
VASCO ROAD LANDFILL (VRL), 4001 N. VASCO ROAD, LIVERMORE, CALIFORNIA
CONTRACT NO. 16-T4278

Client ID	Sample Date	Zinc (Zn) ($\mu g/m^3$)	Cadmium (Cd) ($\mu g/m^3$)	Tin (Sn) ($\mu g/m^3$)	Lead (Pb) ($\mu g/m^3$)							
VRL1-T1-PM10	8/22/2017	0.0097	0.0000	0.0000	0.0018							
VRL1-T2-PM10	8/23/2017	0.0102	0.0000	0.0000	0.0022							
VRL1-T3-PM10	8/25/2017	0.0048	0.0000	0.0095	0.0040							
VRL2-T1-PM10	8/22/2017	0.0164	0.0000	0.0000	0.0025							
VRL2-T2-PM10	8/23/2017	0.0148	0.0018	0.0010	0.0044							
VRL2-T3-PM10	8/25/2017	0.0230	0.0000	0.0006	0.0091							
VRL3-T1-PM10	8/22/2017	0.0458	0.0000	0.0010	0.0068							
VRL3-T2-PM10	8/23/2017	0.0296	0.0000	0.0060	0.0063							
VRL3-T3-PM10	8/25/2017	0.0303	0.0000	0.0000	0.0097							
Field Duplicate												
VRL5-T1-PM10	*8/22/2017*	*0.0168*	*0.0000*	*0.0010*	*0.0035*							
VRL5-T2-PM10	*8/25/2017*	*0.0219*	*0.0000*	*0.0018*	*0.0082*							
Field Blank												
VRL4-T1-PM10-FB 1	*8/23/2017*	*0.0000*	*0.0644*	*0.0565*	*0.0000*							
VRL2-T3-PM10-FB 1	*8/25/2017*	*0.0000*	*0.0000*	*0.0475*	*0.0000*							
Trip Blank												
VRL-TB-PM10 1	*8/22/2017*	*0.0000*	*0.0825*	*0.1379*	*0.0000*							
Lab Blank												
Lab Blank [1]		*0.0000*	*0.0000*	*0.0000*	*0.0000*							
Lab Blank [1]		*0.0000*	*0.0000*	*0.0000*	*0.0000*							
Lab Blank [1]		*0.0000*	*0.0407*	*0.0701*	*0.0079*							
Lab Blank [1]		*0.0000*	*0.0000*	*0.0667*	*0.0000*							

Notes:
g = grams
m^3 = cubic meters
µg = micrograms
$\mu g/m^3$ = micrograms per cubic meter
--- = not sampled/tested
[1] = units for these QA/QC samples are µg/filter
Highlighted = concentrations are less than three times the uncertainty
Italics = Quality assurance/quality control samples
< = Less than the laboratory reporting limit

TABLE 3
SUMMARY OF GRAVIMETRIC AND METALS ANALYTICAL DATA - PM2.5
LANDFILLS RECEIVING METAL SHREDDING WASTE
VASCO ROAD LANDFILL (VRL), 4001 N. VASCO ROAD, LIVERMORE, CALIFORNIA
CONTRACT NO. 16-T4278

Client ID	Sample Date	Tare (mg)	Gross (mg)	Net (µg)	Volume (m^3)	Concen-tration (µg/m^3)	Aluminum (Al) (µg/m^3)	Chromium (Cr) (µg/m^3)	Manganese (Mn) (µg/m^3)	Iron (Fe) (µg/m^3)	Nickel (Ni) (µg/m^3)	Copper (Cu) (µg/m^3)
VRL1-T1-PM2.5	8/22/2017	380.250	380.558	308	24	12.8	0.0235	0.0005	0.0007	0.0459	0.0001	0.0012
VRL1-T2-PM2.5	8/23/2017	390.431	390.822	391	24	16.3	0.0286	0.0000	0.0007	0.0536	0.0001	0.0018
VRL1-T3-PM2.5	8/25/2017	393.142	393.322	180	24	7.50	0.0208	0.0006	0.0012	0.0365	0.0000	0.0018
VRL2-T1-PM2.5	8/22/2017	386.427	386.749	322	24	13.4	0.0565	0.0008	0.0016	0.0825	0.0002	0.0021
VRL2-T2-PM2.5	8/23/2017	384.004	384.406	402	24	16.8	0.0458	0.0008	0.0002	0.0719	0.0000	0.0023
VRL2-T3-PM2.5	8/25/2017	389.619	389.875	256	24	10.7	0.0462	0.0000	0.0017	0.0669	0.0002	0.0018
VRL3-T1-PM2.5	8/22/2017	378.223	378.621	398	24	16.6	0.1361	0.0000	0.0034	0.1598	0.0005	0.0017
VRL3-T2-PM2.5	8/23/2017	389.343	389.763	420	24	17.5	0.0920	0.0003	0.0027	0.1130	0.0003	0.0021
VRL3-T3-PM2.5	8/25/2017	393.159	393.433	274	24	11.4	0.0750	0.0001	0.0021	0.0866	0.0000	0.0012
Field Duplicate												
VRL5-T1-PM2.5	*8/22/2017*	*386.636*	*386.974*	*338*	*24*	*14.1*	*0.0445*	*0.0003*	*0.0006*	*0.0795*	*0.0004*	*0.0020*
VRL5-T3-PM2.5	*8/25/2017*	*390.562*	*390.812*	*250*	*24*	*10.4*	*0.0516*	*0.0000*	*0.0019*	*0.0666*	*0.0001*	*0.0018*
Field Blank												
VRL1-T2-PM2.5-FB	*8/23/2017*	*380.348*	*380.348*	*0*	---	---	*0.0000*	*0.0000*	*0.0000*	*0.0260*	*0.0000*	*0.0000*
VRL3-T3-PM2.5-FB	*8/25/2017*	*390.374*	*390.373*	*-1*	---	---	*0.0000*	*0.0000*	*0.0226*	*0.0215*	*0.0000*	*0.0056*
Trip Blank												
VRL-TB-PM2.5	*8/22/2017*	*390.581*	*390.557*	*-24*	---	---	*0.0000*	*0.0000*	*0.0090*	*0.0000*	*0.0000*	*0.0023*
Lab Blank												
Lab Blank [1]		*382.741*	*382.732*	*-9*	---	---	*0.0000*	*0.0000*	*0.0113*	*0.0000*	*0.0000*	*0.0034*
Lab Blank [1]		*383.898*	*383.900*	*2*	---	---	*0.0000*	*0.0023*	*0.0056*	*0.0000*	*0.0034*	*0.0023*
Lab Blank [1]		*384.458*	*384.447*	*-11*	---	---	*0.0000*	*0.0000*	*0.0090*	*0.0000*	*0.0000*	*0.0011*
Lab Blank [1]		*387.685*	*387.678*	*-7*	---	---	*0.0000*	*0.0011*	*0.0000*	*0.0090*	*0.0000*	*0.0068*

TABLE 3
SUMMARY OF GRAVIMETRIC AND METALS ANALYTICAL DATA - PM2.5
LANDFILLS RECEIVING METAL SHREDDING WASTE
VASCO ROAD LANDFILL (VRL), 4001 N. VASCO ROAD, LIVERMORE, CALIFORNIA
CONTRACT NO. 16-T4278

Client ID	Sample Date	Zinc (Zn) ($\mu g/m^3$)	Cadmium (Cd) ($\mu g/m^3$)	Tin (Sn) ($\mu g/m^3$)	Lead (Pb) ($\mu g/m^3$)							
VRL1-T1-PM2.5	8/22/2017	0.0035	0.0012	0.0000	0.0013							
VRL1-T2-PM2.5	8/23/2017	0.0036	0.0012	0.0000	0.0016							
VRL1-T3-PM2.5	8/25/2017	0.0011	0.0000	0.0000	0.0007							
VRL2-T1-PM2.5	8/22/2017	0.0051	0.0000	0.0010	0.0019							
VRL2-T2-PM2.5	8/23/2017	0.0048	0.0016	0.0048	0.0008							
VRL2-T3-PM2.5	8/25/2017	0.0024	0.0000	0.0000	0.0010							
VRL3-T1-PM2.5	8/22/2017	0.0063	0.0031	0.0000	0.0016							
VRL3-T2-PM2.5	8/23/2017	0.0049	0.0029	0.0057	0.0012							
VRL3-T3-PM2.5	8/25/2017	0.0028	0.0000	0.0022	0.0009							
Field Duplicate												
VRL5-T1-PM2.5	*8/22/2017*	*0.0049*	*0.0000*	*0.0000*	*0.0024*							
VRL5-T3-PM2.5	*8/25/2017*	*0.0027*	*0.0026*	*0.0017*	*0.0000*							
Field Blank												
VRL1-T2-PM2.5-FB 1	*8/23/2017*	*0.0000*	*0.0000*	*0.0000*	*0.0000*							
VRL3-T3-PM2.5-FB 1	*8/25/2017*	*0.0000*	*0.0000*	*0.0418*	*0.0000*							
Trip Blank												
VRL-TB-PM2.5 1	*8/22/2017*	*0.0011*	*0.0814*	*0.0000*	*0.0056*							
Lab Blank												
Lab Blank [1]		*0.0000*	*0.0000*	*0.0000*	*0.0000*							
Lab Blank [1]		*0.0000*	*0.0000*	*0.0000*	*0.0000*							
Lab Blank [1]		*0.0000*	*0.0407*	*0.0701*	*0.0079*							
Lab Blank [1]		*0.0000*	*0.0000*	*0.0667*	*0.0000*							

Notes:
g = grams
m^3 = cubic meters
µg = micrograms
$\mu g/m^3$ = micrograms per cubic meter
--- = not sampled/tested
[1] = units for these QA/QC samples are µg/filter
Highlighted = concentrations are less than three times the uncertainty
Italics = Quality assurance/quality control samples
< = Less than the laboratory reporting limit

APPENDIX A

HEALTH AND SAFETY PLAN

AIR MONITORING AT LANDFILLS RECEIVING METAL SHREDDING WASTE STATEWIDE

VASCO ROAD LANDFILL
4001 N. VASCO ROAD
LIVERMORE CALIFORNIA, 94550

GEOCON
CONSULTANTS, INC.

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

PREPARED FOR
CALIFORNIA DEPARTMENT OF TOXICS SUBSTANCES CONTROL
P.O. BOX 806
SACRAMENTO, CALIFORNIA 95812-0806

PREPARED BY

GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DRIVE, SUITE 800
RANCHO CORDOVA, CALIFORNIA 95742

PROJECT NO. S9850-03-21A

June 2017

TABLE OF CONTENTS

HEALTH AND SAFETY PLAN Page

HEALTH AND SAFETY PLAN SUMMARY i

1.0 INTRODUCTION 1
1.1 Project Location 2
1.2 Project Description 2
1.3 Project Objectives 2
1.4 Planned Scope of Services 3
1.5 Schedule 3

2.0 ADMINISTRATIVE REQUIREMENTS/CONTROLS 3
2.1 Personnel 3
2.1.1 Project Manager (PM) 3
2.1.2 Project Safety Officer (PSO) 4
2.1.3 Project Certified Industrial Hygienist (CIH) 4
2.1.4 Air Monitoring Field Staff 4
2.2 Personnel Training 5
2.2.1 Project Field Staff 5
2.2.2 Supervisors and Managers 5
2.2.3 “Tailgate” Meetings 5
2.3 Medical Surveillance 5

3.0 HAZARD AND CONTROL ANALYSIS 6
3.1 Safe Driving 6
3.2 Mechanical Hazards 7
3.2.1 Material Handling/Back Injury 7
3.2.2 "Striking" Injuries 8
3.2.3 "Struck-by" Injuries 8
3.3 Noise Hazards 8
3.4 Biological Hazards 9
3.5 Thermal Hazards – Heat Stress 10
3.6 Chemical Hazards 11
3.6.1 T22 (CAM 17) Toxic Metals 11
3.6.2 Landfill Gases 13

4.0 GENERAL HEALTH AND SAFETY REQUIREMENTS 14
4.1 Personal Hygiene 14
4.2 Buddy System 15
4.3 Work Zone Controls 15
4.4 Code of Safe Practices 15

5.0 PERSONAL PROTECTIVE EQUIPMENT 16
5.1 Respiratory Protection 16
5.2 PPE – Level D Protection 17
5.3 PPE – Level “C” Protection 17
5.4 Miscellaneous Safety Equipment 17

6.0 EMERGENCY RESPONSE PROCEDURES 17
6.1 Physical Injury 17
6.2 Catastrophic Event 18
6.3 Emergency Telephone Numbers 18

6.4 Project Site Address 18
6.5 Hospital Addresses and Routes 18

7.0 PLAN APPROVAL 19

Attachment A – NIOSH Guides T22 (CAM 17) Toxic Metals

Attachment B - T8 CCR §5214 Inorganic Arsenic - Appendix A

Attachment C – T8 CCR §1532 Cadmium - Appendix A

Attachment D - T8 CCR §1532.1 Lead - Appendix A

Figure 1, Site Location Map – Vasco Road Landfill

HEALTH AND SAFETY PLAN SUMMARY

Site Name & Contact:	Vasco Road Landfill	
Operations Manager	**Diana Ratto**	**925.260.2091**- Cell No.
	Office No.:	**925-453-3620**

Site Address: 4001 N. Vasco Road, Livermore, California 94550

Project Representatives:

• Program Manager:	**Jim Brake**	**916.870.1180** - Cell No.
• Project Manager:	**Josh Ewert**	**916.212.5168** - Cell No.
• Project Safety Officers:	**Cord Dennig**	**916.397.6413 –** Cell No.
	David Watts	**925.785.5340 –** Cell No.
	Chris Giuntoli	**775.685.6116 –** Cell No.
	Geocon Office No.:	**916.852.9118**
• Project CIH:	**Doug Krause**	**530.848.9232** - Cell No.
	Geocon Office No.:	**530.758.6397**
• DTSC Project Manager:	**Megan Cambridge**	**916.322.4233**

Scope:

- General survey activities
- Ambient perimeter air monitoring

Hazard Summary:

- Mechanical - material handling, slip/trip, struck-by injuries
- Noise – Air monitoring & facility equipment
- Biological –biting insects (vectors) or animals
- Thermal Extremes – heat stress
- Chemical – T22 (CAM 17) Metals and Landfill gases

Control Summary:

- Personal Protection Equipment - Safety vests/hard hats/safety glasses/steel-toed boots
- Hearing Protection – plugs or muffs
- Site inspection/awareness, appropriate dress (long pants), repellent, wasp spray
- Appropriate dress, shaded rest breaks, fluids
- De minimis exposure risk; sanitation

Hospital Reference: ValleyCare Medical Center **650.369.5811**
555 W. Las Positas Boulevard
Pleasanton, California 94588

Hospital Directions: From the Site, proceed south on N. Vasco Road for 2.3 mile (mi). Merge onto westbound I-580 (signs say Oakland). Stay on I-580 for 12.5 mi. Take Exit 47 for Tassajara Road/Santa Rita Road. Turn left onto Santa Rita Road. Continue for 1 mi. Turn right onto West Las Posita Boulevard. Proceed 200 feet and hospital will be on the right (see Vicinity Map, Figure 1).

Emergency Assistance:

Fire/Police/Medical Assistance:	**911 (Emergency)**
Livermore Police Department:	**925.371.4900** (Non-emergency)
Poison Control:	**800.222.1222** (Statewide)

1.0 INTRODUCTION

This Health and Safety Plan (HSP) is a compilation of health and safety guidelines, policies and/or performance protocols that, when exercised, are intended to reduce or eliminate the potential for injury and exposure during the performance of the activities at the site described below. Conformance with its contents does not warrant that injuries or exposures will not occur.

This HSP is not a training tool and does not contain the degree of detail necessary to train an employee on the appropriate performance, approach and/or equipment-use protocols referenced, herein. Persons working on this project and referring to this HSP shall meet the minimum training requirements described in Section 2.2.

This HSP has been prepared to specifically support the field activities described herein. The provisions described herein apply to employees of Geocon Consultants, Inc. and its subcontractors, only. Representatives of the Client, Client-retained subcontractors, and representatives of State or local government agencies are expected to observe the safety rules and requirements established by their respective organizations, provided they do not conflict with this HSP. However, Geocon will not be responsible for enforcing the conditions of this HSP on these representatives.

The contents of this HSP are based on factors and conditions understood prior to the start of the field activities. If those factors and conditions change during the performance of the activities, including the service scope, or if conditions exist that were not considered in the preparation of this HSP, then such shall be brought to the immediate attention of the person approving this HSP, and the HSP shall be modified, accordingly.

All project personnel will review and become familiar with the elements of the HSP prior to site work. A copy of the HSP will be provided to all subcontractors and the Client or designees involved with project activities.

A pre-job conference will be held to delineate roles and responsibilities, discuss key elements of the HSP, and coordinate activities. This HSP is a "working document" to be used by affected personnel. The HSP may be modified at any time in accordance with Section 1.4 to adequately address changing conditions or previously unrecognized exposure hazards which may be encountered during the project. An updated, current copy of the HSP will be maintained at the project site during and be available to all affected personnel.

Regarding potential exposure to inorganic lead and compliance with T8 CCR §1532.1(e)(2)(E) Lead, this HSP expires 6 months from the date of Project Certified Industrial Hygienist (CIH) approval unless updated or amended.

1.1 Project Location

Site Addresses: Vasco Road Landfill
4001 N. Vasco Road
Livermore California, 94550

1.2 Project Description

Metal shredding facilities process end-of-life vehicles, appliances, and other forms of scrap metal to recover iron, steel, aluminum, and copper for re-use in new metal products. The metal shredding process generates large amounts of metal shredder waste, which consists of plastics, rubber, glass, foam, fabrics, automobile fluids, dirt, and residual metals. The metal shredding process can also potentially create significant amounts of environmental contamination in the forms of storm water runoff, contaminated soil, contaminated groundwater, and fugitive air emissions. The focus of the scope of services described in this SAP is on fugitive air emissions from facilities receiving metal shredding waste.

Although metal shredding waste typically does not exceed the federal regulatory levels established by the Resource Conservation and Recovery Act (RCRA), metal shredder waste has been regulated as a California-only, non-RCRA hazardous waste since 1984 because residual levels of copper, lead, and zinc often exceed California's more stringent regulatory thresholds. Six large metal shredding facilities are currently authorized by DTSC to conduct metal shredding operations. Five of the facilities treat the metal shredding waste with a cement product which is intended to reduce the solubility of the metals and render the waste less hazardous. The sixth facility transfers their waste out of state for further processing. The treated waste is then disposed of in Class II or Class III landfills, where it is largely used as alternative daily cover.

Senate Bill (SB) 1249 (Hill, Chapter 756, Statutes of 2014) became law on January 1, 2015 and requires the DTSC to evaluate the risks and threats posed by the production and management of metal shredding waste. SB 1249 authorizes the DTSC to develop alternative management standards for metal shredding facilities. The DTSC has developed a 3-year plan to conduct the evaluation required by SB 1249, which includes an assessment of the potential impacts of off-site migration of air emissions.

1.3 Project Objectives

The project task is to assess the airborne concentrations of the following constituents of potential concern from the perimeters of a cross-section of landfills receiving metal shredding waste in a variety of geographic conditions across the state of California:

- particulate matter in the form of total suspended particulates (TSP);
- particulate matter less than 10 micrograms (µm) (PM_{10});
- particulate matter less than 2.5 µm ($PM_{2.5}$); and

- metals including aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, selenium, silver, tin, vanadium, and zinc.

The DTSC intends to use the data generated from air monitoring to determine the potential for emissions from facilities receiving metals shredding waste and evaluate the risk to sensitive populations using the criteria developed for the California Air Resources Board Air Toxic Hot Spots Program Air Toxics "Hot Spot" Program [the Air Toxics Hot Spots Information and Assessment Act, Assembly Bill 288 (Connelly) as amended by SB 1731 (Calderon)].

1.4 Planned Scope of Services

- General non-intrusive survey activities
- Facility perimeter ambient air monitoring

1.5 Schedule

Anticipated Period of Performance: June 2017

Anticipated Weather/Temperature: Moderate; daytime temperatures may exceed 85 degrees F.

2.0 ADMINISTRATIVE REQUIREMENTS/CONTROLS

2.1 Personnel

Personnel responsible for project safety include the Project Manager (PM), the Project Safety Officer (PSO), the Project CIH, and participating project personnel.

2.1.1 Project Manager (PM)

The Project Manager is responsible for development, or assigning development of the HSP, and auditing compliance with the provisions of this HSP. The Project Manager is also responsible for ensuring the HSP is reviewed and approved by the Site Safety Officer and for distributing the HSP to the Client and authorized representative of each project subcontractor. In addition, the Project Manager is responsible for:

- Reviewing the HSP requirements (if prepared by another project member);
- Designating/identifying a qualified project member as the PSO;
- Providing the safety equipment specified herein;
- Collecting and submitting the requisite health and safety documentation (training rosters/certificates, air monitoring records (exposure assessments); site personnel logs, medical approvals), and copying them to the PSO, if appropriate; and,

  Note: Air monitoring and exposure assessment records will be maintained in accordance with the provisions of T8 CCR §3204, Access to Employee Exposure and Medical Records as well as requirements in T8 CCR T8 CCR Article 110 Regulated Carcinogens and §1532.1 Lead.

- Reporting all HSP amendments to the Project CIH.

2.1.2 Project Safety Officer (PSO)

The designated PSO has ultimate authority and responsibility for project health and safety, including approval and implementation of this HSP and any applicable addenda. Accordingly, he/she has authority to: suspend project activities or modify service practices for health and safety reasons; and, to dismiss from a project site subcontractors or individuals whose onsite conduct endangers the health and/or safety of others and/or is judged not to comply with the provisions of this HSP. Implementation of the HSP includes:

- Presenting an overview of the provisions of the HSP with project participants;
- Enforcing the provisions of this HSP;
- Maintaining project safety equipment supplies;
- Performing air monitoring, if and as specified herein,;
- Directing decontamination procedures, as appropriate;
- Setting up Work Zone Controls;
- Directing emergency response operations until public emergency personnel arrive; and,
- Reporting all incidents and infractions to the PM.

The PSO has the authority to suspend project activities any time he/she determines that the provisions of the HSP are inadequate to provide a service/project environment conducive to employee safety. Further, the PSO is to inform the PM of any individuals whose onsite actions jeopardize their health and safety and/or the health and safety of others.

2.1.3 Project Certified Industrial Hygienist (CIH)

The Project CIH provides industrial hygiene and safety technical support to the PM and PSO. In this capacity the Project CIH's responsibilities include:

- Reviewing and approving this HSP when ready for implementation;
- Providing training, as requested;
- Approving or recommending airborne sampling strategies and monitoring equipment;
- Providing technical support for the selection and use of Personal Protective Equipment (PPE); and,
- Providing arbitration on project health and safety issues.

2.1.4 Air Monitoring Field Staff

All project personnel are responsible for:

- Reading and being knowledgeable of the contents of this HSP.
- Complying with the provisions of this HSP;

- Performing services in a manner that is consistent with good health and safety practice; and

2.2 Personnel Training

2.2.1 Project Field Staff

Project field staff will attend a project orientation prior to starting field work. The orientation will review all elements of the HSP, including: 1) A review of facility operations and potential health and safety hazards; 2) PPE required to be worn/used when working at the facility; 3) Review of the facility workplace safety rules; and 4) Review of the facility emergency response and evacuation procedures.

The training will also address other Cal/OSHA requirements such as the Geocon Hazard Communication Program (T8 CCR §5194), including the potential hazards of exposure to potential airborne contaminants include in the air monitoring protocols.

Anticipated characterization tasks to be performed under this HSP are considered Hazardous Waste Operations as defined by T8 CCR §5192 "Hazardous Waste Operations and Emergency Response." All project personnel will have successfully completed all applicable training requirements outlined in T8 CCR §5192(e), "Training" (40-hour Certificate and current annual Refresher Training).

2.2.2 Supervisors and Managers

Geocon employees whose responsibilities include onsite supervising or managing project tasks as defined under T8 CCR §5192(e)(4) shall hold a Supervisor Certificate documenting at least eight additional hours of specialized hazardous waste operations management training.

2.2.3 "Tailgate" Meetings

During the onsite air monitoring project, the PM or designee will conduct regular "tailgate" safety meetings. These meetings will include information on the following topics as applicable:

- Changes to the air monitoring strategy;
- Recognized changes to facility operations or conditions which may present a new or previously unrecognized hazard;
- Feedback from air monitoring staff on hazards, safety suggestions, or concerns; and
- Recognition for compliance, good safety performance or attitude.

Attendance at the tailgate meetings is considered a part of each employee's job responsibilities.

2.3 Medical Surveillance

Potential airborne exposure risk associate with this ambient air monitoring project are considered to be de minimis relative to workplace standards published by Cal/OSHA. For example, Negative Exposure Assessments from industrial hygiene monitoring for arsenic and inorganic lead performed for other

field tasks, which is representative of potential exposure risks to other toxic metals, are well below the 5 microgram per cubic meter ($\mu g/m^3$) Action Level for arsenic (ref. T8 CCR §5214) and 30 $\mu g/m^3$ Action Level for inorganic lead (ref. T8 CCR § 1532.1).

Therefore exposure assessments are not justified and Medical Surveillance as specified under T8 CCR §5192 or other applicable Cal/OSHA standards are not required for personnel assigned to this project.

Geocon subcontractor employees who may be required to wear respiratory protection related to facility health and safety requirement shall have a current medical evaluation and approval by a physician or other licensed health care professional. Medical evaluations will be provided in accordance with the Geocon Respiratory Protective Equipment Program (ref. T8 CCR §5144(e) "Medical Evaluation").

3.0 HAZARD AND CONTROL ANALYSIS

The following hazards were assessed to either exist, or have the potential to develop, during the performance of the project activities:

TASKS	MECHANICAL	NOISE	BIOLOGICAL	THERMAL	CHEMICAL	OTHER
Work-related driving	**X**					
General non-intrusive activities	**X**	**X**	**X**	**X**	**X**	
Ambient Perimeter Air Monitoring	**X**	**X**	**X**	**X**	**X**	

3.1 Safe Driving

Hundreds of workers are injured or die in job-related motor vehicle accidents annually. Motor vehicle accidents are one of the number-one causes of employee injuries and deaths. Most accidents can be avoided by practicing defensive driving. Geocon policies mandate that employees:

- Prepare themselves and their vehicle for the road before travel;
- Drive according to posted speed limits unless adverse conditions necessitate slower speeds, particularly if trailering loads with sampling equipment, portable generators, etc.;
- Never tailgate, employ the three (3) second rule in following vehicles;
- Fully comply with California Vehicle Code and other local laws and regulations regarding the use of cellular phones for communication while driving - talking on a cell phone and/or texting while driving is not only a significant hazard to yourself and others, but also violates Geocon health and safety policy; and,

- Use practical driving procedures in cities, on the freeway, and in rural areas.

3.2 Mechanical Hazards

Type(s)/Source:

- Material Handling/Back Injury;
- Striking (slips, trips);
- Struck-by injuries (vehicle traffic); and
- Walking on solid waste piles and-or slopes of waste piles.

Qualified Exposure Risk: Moderate

Hazard Control(s):

- Safe Lifting
- Isolation (lane/shoulder closure traffic control/work methods/no work during inclement weather or darkness)
- PPE – ANSI approved yellow-green or orange reflective safety vests; hard hats; safety-toe shoe or boot; safety glasses

3.2.1 Material Handling/Back Injury

Hazard: It is expected that field personnel may be required to lift heavy equipment and supplies and/or perform arduous tasks during this project. Accordingly, back injuries or physical strain may be caused by: routine lifting or one-time-only lifting; the weight of a lifted object; the frequency of lifting; bending, twisting, or rotating during lifting; prolonged sitting; exposure to vibrations; poor arch support in shoes; and, not stretching prior to physical activity. If the following "control" mechanisms are not exercised, debilitating back injury may occur.

Control(s): Before attempting to lift and carry an object, always test its weight first. If it is too heavy, get help. If possible, use mechanical lifting aids. If manageable, the proper method for lifting is:

- Get a good footing;
- Place feet about shoulder width apart;
- Bend knees to pick up load. Never bend from the waist;
- Keep back straight;
- Get a firm hold. Grasp opposite corners of the load, if possible;
- Keep the back as upright as possible;
- Lift gradually by straightening the legs - do not jerk the load;
- Keep the weight as close to the body as possible; and

- When changing directions, turn the entire body, including the feet. Do not twist the body.

If devices are used for handling materials manually (e.g., two-handed lifters, barrel ring clamps, hand trucks, wheelbarrows, etc.), wear protective equipment like gloves and safety shoes to minimize the potential of appendages becoming pinched or smashed between the load and stationary features. Also, avoid overloading the device.

3.2.2 "Striking" Injuries

Hazard: Injuries can, and often, result when a person (a kinetic mass) unexpectedly instigates contact with another kinetic mass. These occurrences typically result from inadvertent slips, trips and falls, and-or handling sampling tools and equipment.

Control(s): To minimize risks of “slip/trip” and equipment handling hazards, personnel shall maintain a constant program of good housekeeping, keeping areas clear of trip hazards and wet and slippery surfaces. All hand tools shall be regularly secured and care shall be taken when entering areas where work is being performed above eye level.

3.2.3 "Struck-by" Injuries

Hazard: Injuries can and often result when workers are the unexpected receptor of contact with another kinetic mass. These occurrences typically result from the worker being struck-by a dropped or collapsed mass, a moving piece of equipment, machinery or more possibly industrial trucks or vehicles operating at the facility.

Control(s): Geocon employees will be required to wear hard hats, safety glasses and ANSI approved safety vests, as well as facility required safety equipment and adhere to the facilities safety requirements when operating within facility boundaries.

Air monitoring staff shall maintain a constant awareness of facility operations and traffic patterns of industrial trucks and haul vehicles throughout the duration of onsite monitoring tasks.

3.3 Noise Hazards

Equipment operated at sampling sites may present a noise hazard to employees. In all cases where the sound pressure levels may exceed a time-weighted average noise dose of 85 decibels (the Action Level), the PM or PSO will evaluate exposures according to the Geocon Hearing Conservation Program (ref. T8 CCR §§5095-5100). Selection of hearing protection will be made in accordance with the Geocon Safety Equipment Guide. Only hearing protectors (ear plugs or muffs) with a Noise Reduction Rating of 20 dB, or higher, will be used. When worn, earmuffs will be donned in the "over the head" position with the hair pulled back from the sealing surface.

Note: In general, noise levels in excess of 85 dBA interfere with communication between two individuals speaking in a normal tone of voice at a distance of 3 feet from one another.

3.4 Biological Hazards

Type(s)/Source: Biting insects (mosquitoes, wasps, bees & ticks) and animals

Qualified Exposure Risk: Low to moderate

Primary Control(s):

- Site inspection & isolation/avoidance of poison oak;
- PPE (Gloves/boots/long-sleeve shirts);
- Insect repellent, barrier crèmes, wasp spray;

Hazard: Contact with insects and animals likely to be present at the site should be avoided. Stinging and biting insects, including bees, wasps, spiders, and ticks, can cause extreme discomfort and/or serious allergic responses. Insect bites are generally not dangerous, unless they are from a poisonous insect or mosquitoes potentially carrying West Nile and Zika virus.

The primary concern with animal bites and scratches is the potential for infection and/or rabies. Snake or bites from venomous invertebrates can also be dangerous, but more from infection or trauma than the toxins.

Control(s) – Biting Insects: Before beginning fieldwork each day, inspect the work area for the presence of standing water and inhabitant reptiles and take measures necessary to minimize the potential for contact. Specially prepared topical barriers and insect repellent containing approximately 50% DEET, or picaridin, IR3535, oil of lemon eucalyptus, or para-menthane-diol for long lasting protection for protecting exposed skin from biting insects. These products are commercially available and may minimize the potential for development of skin rashes and/or irritations due to such exposures; apply insect repellent sparingly to exposed skin.

Note: Avoid contacting plastic zippers or other plastic closure mechanisms on clothing, equipment bags, etc., with DEET containing crème which will cause these materials to degrade.

If you are allergic to bee or wasp stings, be sure to have the appropriate first aid available (e.g., an epi-pen) on the project. If you are stung, administer first aid and seek immediate medical attention.

Be sure a reptile or animal bite victim obtains medical attention quickly if a bite or scratch occurs, especially if there is a potential that it was poisonous. In the meantime, administer first aid by scrubbing the wound with soap and water, and rinsing thoroughly under running water. Dry off and

place a clean bandage on the wound. Victims of these bites should lie down and remain calm and motionless; cold packs should be applied and medical attention sought immediately.

3.5 Thermal Hazards – Heat Stress

Type(s)/Source:	Solar load – working outdoors in summer months
Qualified Exposure Risk:	Low to moderate; daytime temps may exceed 85 degrees F
Primary "Control":	Compliance with T8 CCR §3395 Heat Illness Prevention Dress appropriately for the expected weather conditions; Adequate supply of drinking water, fluid consumption.

Hazard: In addition to the chemical, physical and operational hazards referenced above, heat stress may present a potential hazard to onsite personnel during the onsite operations. This hazard can be created when individuals work in warm temperatures while wearing relatively impervious chemical protective clothing (CPC), i.e., Tyvek™ coveralls. When ambient air temperatures at a project site exceed approximately 75 degrees Fahrenheit when CPC is worn, heat stress can result.

Also, when ambient air temperatures at a project site exceed 85 to 95 degrees Fahrenheit, heat stress is a potential risk regardless if CPC is worn or not worn. If these conditions are encountered, the following precautions shall be implemented:

Controls: The PSO will regularly monitor daily weather forecasts and monitor ambient air temperatures. In addition, routinely observe and monitor field staff for signs and symptoms of heat stress including: dizziness, profuse sweating or lack of perspiration (hot dry skin), and skin color change – flush appearance. If necessary, monitor for increased heart rate and potential vision problems. Personnel who exhibit any of these symptoms will immediately be removed from field work to a shaded location, and required to consume 2 to 4 pints of cool water while resting. Individuals exhibiting symptoms of heat stress should not return to work until the symptoms are no longer recognizable.

Note: If symptoms of hot, dry skin or other critical symptoms appear, immediately implement emergency medical procedures by dialing 911. While awaiting the arrival of emergency medical services attempt to cool the individual's body by saturating their upper clothing (shirt) with cool, but not chilled or cold water.

To control the potential occurrence of heat stress, preventive measures will be evaluated and implemented on a daily basis (ref. T8 CCR §3395 Heat Illness Prevention). These measures will include:

- Schedule periodic cooling and rest (recovery) periods in a shaded area (ref. T8 CCR §3395(d) Heat Illness Prevention);

- Designated shaded rest areas, or portable shade structures must be available when the ambient daily high temperature is predicted to exceed 85 degrees Fahrenheit, or 75 degrees Fahrenheit if CPC will be required to be worn; and,
- Inducement of water intake, the equivalent quantity of 1 quart of water per hour per onsite staff (2 gallons per person) be available before work begins unless provisions for immediate water replenishments are available (nearby store, plumbed water supply, etc.). Water must always be replenished before running out (ref. T8 CCR §3395(c) Heat Illness Prevention).

The implementation frequency of these measures will be the responsibility of the PSO.

3.6 Chemical Hazards

Potential airborne exposure risk associate with this ambient air monitoring project are considered to be de minimis relative to workplace standards published by Cal/OSHA; ref. Section 2.3 Medical Surveillance.

Detailed information regarding the physical description of toxic metals identified in Section 1.3 Project Objectives, including health hazards, routes of entry into the body, signs and symptoms of exposure, target organs, chemical and physical properties are available in Attachments A - Toxic Metals and Attachments B – Arsenic, C - Cadmium and D - Lead. The chemical guides in Attachment A for representative toxic metals published by the National Institute for Occupational Safety and Health (NIOSH); the Substance information sheets for Cal/OSHA regulated carcinogens - Arsenic, Cadmium and Lead are Appendices of T8 CCR §§5214, 1532 and 1532.1 respectively; the hazards of Chromium VI, T8 CCR 1532.2 are covered in the NIOSH Guide.

Landfill gases are well-known potential risks at solid waste landfills. However risk of exposures to documented constituents in landfill gases is considered to be de minimis relative to respective Cal/OSHA Permissible Exposure Limits and methane recovery systems installed at landfills. Methane is the principal gas generated by decomposing materials which, when present in high concentrations, acts primarily as an asphyxiant without other adverse effects (ref. T8 CCR §5155 Table AC-1, footnote (h)); see Section 3.6.2 Landfill Gases.

3.6.1 T22 (CAM 17) Toxic Metals

Type(s)/Source: Potential pollutants from metal shredding operations.

Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, selenium, silver, tin, vanadium and zinc.

Exposure Route(s): Inhalation and ingestion; ref. Attachment A – Toxic Metals

CHEMICAL NAME AND CAS #	ROUTES OF ENTRY	PUBLISHED EXPOSURE LIMITS		
		CATEGORY	CONCENTRATION	SOURCE
Title 22 Metals, Elemental, Inorganic Compounds	Inhalation, Ingestion, Dermal Contact	PEL-TWA†	0.0005 to 5 mg/m^3	Cal/OSHA

3.6.1.1 Arsenic

T8 CCR GISO Article 110 Regulated Carcinogen §5214

Exposure Route: Inhalation, ingestion, skin contact; ref. Attachment B - T8 CCR §5214 Inorganic Arsenic - Appendix A

CHEMICAL NAME AND CAS #	ROUTES OF ENTRY	PUBLISHED EXPOSURE LIMITS		
		CATEGORY	CONCENTRATION	SOURCE
Arsenic 7440-38-2	Inhalation, Ingestion	PEL-TWA Action Level	10 $\mu g/m^3$ 5 $\mu g/m^3$	Cal/OSHA

3.6.1.2 Cadmium

T8 CCR GISO Article 110 Regulated Carcinogen §1532

Exposure Route: Inhalation, ingestion; ref. Attachment C - T8 CCR §1532 Cadmium - Appendix A

CHEMICAL NAME AND CAS #	ROUTES OF ENTRY	PUBLISHED EXPOSURE LIMITS		
		CATEGORY	CONCENTRATION	SOURCE
Cadmium 7440-43-9	Inhalation, Ingestion	PEL-TWA	5.0 $\mu g/m^3$	Cal/OSHA

3.6.1.3 Inorganic Lead

T8 CCR CSO §1532.1

Exposure Route: Inhalation and ingestion; ref. Attachment D - T8 CCR §1532.1 Lead - Appendix A

CHEMICAL NAME CAS #	ROUTES OF ENTRY	PUBLISHED EXPOSURE LIMITS		
		CATEGORY	CONCENTRATION	SOURCE
Lead, Elemental & Inorganic Compounds 7439-92-1	Inhalation & Ingestion	PEL-TWA Action Level	50 $\mu g/m^3$ 30 $\mu g/m^3$	Cal/OSHA
Lead Chromate as Pb Lead Chromate as Cr 7758-97-6	Inhalation & Ingestion	$PEL\text{-}TWA_{Pb}$ $PEL\text{-}TWA_{Cr}$	20 $\mu g/m^3$ 5 $\mu g/m^3$	

3.6.1.4 Chromium VI (Hexavalent Chromium)

T8 CCR GISO Article 110 Regulated Carcinogen §1532.2

Exposure Route: Inhalation and ingestion; ref. Attachment A - NIOSH Guide Page 5

CHEMICAL NAME & CAS #	ROUTES OF ENTRY	PUBLISHED EXPOSURE LIMITS		
		CATEGORY	CONCENTRATION	SOURCE
Chromium VI 7440-47-3	Inhalation, Ingestion skin contact	PEL-TWA	5.0 $\mu g/m^3$	Cal/OSHA

3.6.2 Landfill Gases

Although potential airborne exposure risk to landfill gases during perimeter air monitoring is low, the following chemical hazard information is included for field staff reference.

Landfill gas is generated as a result of the waste breakdown at a landfill. Methane is the major component of gas generated during biodegradation of solid waste buried in landfills. It is an odorless and colorless gas. It does not chemically react with the body, but may cause asphyxiation by displacing the oxygen in the air. The primary concern is its flammability. Because of its classification as a simple asphyxiant, methane has no established exposure limits. However, a threshold concentration or TWA of 1,000 ppm is commonly assumed. Typically, landfill gas constituents contain, by volume:

LANDFILL GAS CONSTITUENTS[1]
38-58% methane gas
0.2-1% oxygen
2-10% nitrogen
30-48% carbon dioxide
0-1% hydrogen
<1% non-methane organic carbons (NMOC) NMOC constituents: benzene, ethyl benzene, toluene, vinyl chloride, dichloromethane, trichloroethylene, 1,2,-cis-dichloroethylene, tetrachloroethylene

Waste decomposition is known to produce various landfill gas constituents. The following table provides a summary of exposure information for landfill gas.

Chemical Name	Exposure Limit	IDLH	Relative Response	LEL	Route of Entry
Benzene	1 ppm	500 ppm	Irritation eyes, skin, nose, respiratory; dizziness; headache	1.2 %	Inhalation, Absorption, Ingestion, skin/eye
Ethyl benzene	TWA: 100 ppm STEL: 125 ppm	800 ppm	Irritation eyes, skin, mucous membrane; headache	0.8%	Inhalation, Ingestion, skin/eye
Hydrogen sulfide	TWA: 10 ppm STEL: 15 ppm Ceiling: 15 ppm	100 ppm	Irritation eyes, respiratory; apnea, coma, convulsions	4.0%	Inhalation, Ingestion, skin/eye
Toluene	TWA: 50 ppm STEL: 150 ppm Ceiling: 500 ppm “skin”	500 ppm	Irritation eyes, nose; weakness, confusion, euphoria, dizziness	1.1%	Inhalation, skin absorption, ingestion, skin/eye
Vinyl Chloride	1 ppm “skin”		Weakness, abdominal pain, gastrointestinal bleeding	4.0%	Inhalation, skin/eye contact

[1] CIWMB Landfill Gas Characterization Study

Dichloromethane (methylene chloride)	TWA: 25 ppm STEL: 125 ppm	2300 ppm	Irritation eyes, skin; weakness, drowsiness dizziness	13%	Inhalation, absorption, ingestion, skin/eye contact
Trichloroethylene	TWA: 25 ppm STEL: 100 ppm Ceiling: 300ppm	1000 ppm	Irritation eyes, skin; headache, visual disturbance	8%	Inhalation, Ingestion, skin/eye contact
1,2-Dichloroethylene	200ppm	1000 ppm	Irritation eyes, skin; headache, visual disturbance	5.6%	Inhalation, Ingestion, skin/eye contact

Chemical Name	Exposure Limit	IDLH	Relative Response	LEL	Route of Entry
Tetrachloroethylene (perchloroethylene)	TWA: 25 ppm STEL: 100 ppm Ceiling: 300 ppm	150 ppm	Irritation eyes, nose, throat; flush face, neck;	NA	Inhalation, skin absorption, ingestion, skin/eye contact
Methane	None		At high concentrations methane acts as an asphyxiant without other adverse effects	5.5%	Inhalation
Xylene	100 ppm	900 ppm	Irritation eyes, skin; headache, visual disturbance	1%	Inhalation, skin absorption, ingestion, skin and/or eye contact

4.0 GENERAL HEALTH AND SAFETY REQUIREMENTS

4.1 Personal Hygiene

The PSO will establish hand-wash facilities, including clean water, hand soap, waterless hand cleaner, sanitary wipes and clean towels at the facility IF the facility bathrooms are not made available. All Geocon personnel leaving the project site will wash hands prior to leaving the project facility. In addition, the following procedures will be followed to ensure worker protection against potential exposure through ingestion:

- Eating, drinking, chewing gum or tobacco, smoking, or any practice that increases the probability of hand-in-mouth transfer and ingestion of material is prohibited while working in or around the project facility.
- Hands and face must be thoroughly washed upon leaving the facility, and before eating, drinking, or other non-project activities.

4.2 Buddy System

Project personnel are to work with another person when performing ambient air monitoring tasks; a facility representative can serve as the second person while the work is being conducted during regular business hours. Under no circumstances, other than completion of air monitoring documentation paper work are project personnel to work alone at the facility.

4.3 Work Zone Controls

Although formal work zones will not be required for this project, air monitoring stations will be isolated using traffic cones and/or safety/caution sandwich boards.

4.4 Code of Safe Practices

General safe work practices to be utilized by all project personnel are summarized below:

- All nonessential personnel will be kept clear of work areas.
- The use of entertainment and personal communication devices in the work zone shall not be allowed.
- Adequate signs and safety devices will be installed on equipment.
- All site employees will wear assigned PPE and level of protection as designated by the PSO.
- Eating, drinking, smoking, chewing gum or tobacco, or application of cosmetics is allowed in designated areas only.
- At a minimum, all personnel will wash with soap and water before lunch, using the restroom, and at the end of work. The face and hands shall be washed before eating, drinking, smoking, chewing gum, applying cosmetics, etc.
- Over-the-counter drugs and prescription medications must be reported to the PSO for clearance before an employee is allowed to operate high-volume samplers or associate equipment, i.e., portable generators.
- When portable electric tools and equipment are used, three-wire extension cords are required.
- Employees will advise their supervisors of any malfunctioning equipment immediately.
- An ongoing safety maintenance program for tools and equipment will be instituted. Inspections will occur on a regular basis to ensure parts are secure and intact. Defective equipment will be repaired or replaced.
- Appropriate engineering controls and equipment guards will be installed on tools and equipment. This includes seat belts and backup warning lights and signals.
- A list of names of personnel who are trained in cardiopulmonary resuscitation (CPR) and first aid shall be available.
- Labels shall be placed on containers of hazardous materials.
- No one will work alone; the "buddy system" shall be implemented for all field work.
- Employees shall be trained to identify effects and symptoms of toxic exposure and report them immediately.

- Under no circumstances are Geocon personnel authorized to enter a Permit-Required Confined Space, or unshored trench or excavation.

5.0 PERSONAL PROTECTIVE EQUIPMENT

The use of PPE is intended to provide protection for air monitoring personnel from operational hazards related to tasks performed at the facility that cannot be controlled through other safety procedures or work practices.

PPE required to be onsite for each worker during this project will include:

☒ Hard Hat (without face Shield)	☒ Safety Glasses
☒ Safety Shoes - Boots	☐ Disposable gloves (for sample handling)
☐ Chem. Resistant Boots	☐ Chem. Resistant gloves
☐ Leather Gloves	☐ Air-Purifying Respirator
☒ Ear Plugs/Muffs	☐ APR Cartridges
☒ ANSI Approved Safety Vest	☐ Tyvek® coveralls

☒ Other: PPE required to be worn by the facility operator beyond Geocon required PPE.

Only ANSI approved PPE and NIOSH-approved respirators will be assigned for use. The use applications for this equipment are summarized in the following matrix. Specific procedures are further described below.

	PPE												
TASKS	Hard Hat	Safety Glasses	Safety Shoes - Boots	Chemical Resistant Boots	Disposable Gloves	Chemical Resistant Gloves	Leather Gloves	Hearing Protection Ear Plugs/Muffs	Air-Purifying Respirator	APR Cartridges	ANSI Approved Safety Vest	Tyvek® Coveralls	Other
Perimeter Ambient Air Monitoring	**X**	**X**	**X**					**X**			**X**		**X**

5.1 Respiratory Protection

Respiratory protection will not be required during sampling activities. The PSO will determine the need for upgrading the level of protection from “D” to “C”. If it is determined that respiratory protection is required, personnel shall don a full facepiece or half-mask dual cartridge air-purifying respirator fitted with a combination organic vapor (Black), or organic vapor-acid gas (Yellow) and HEPA (P100, Magenta) cartridges.

5.2 PPE – Level D Protection

The protective equipment to be donned by personnel working in the Exclusion Zone includes:

- Body Protection: Body protection shall include the use of "work clothing," including long pants and long- or short-sleeved shirts, and Class II ANSI approve safety vest.
- Head Protection: Non-metallic hard hats shall be worn by all personnel; ref. T8 CCR §§1514 & 3385 Head Protection.
- Hearing Protection: Hearing protection shall include the use of foam ear inserts or muffs; ref. T8 CCR §5098.
- Face & Eye Protection: Protective eye wear (i.e., safety glasses) shall be worn by personnel working in direct proximity to operating heavy equipment and highway traffic; ref. T8 CCR §§1514 & 3385 Eye Protection.
- Hand Protection: Appropriate hand protection shall be required for employees whose work involves unusual and excessive exposure of hands to cuts capable of causing injury or impairments; ref. T8 CCR §§1514 & 3384 Hand Protection.
- Foot Protection: foot protection, such as steel-toed shoes or boots shall be required for employees who are exposed to foot injuries from electrical hazards, falling objects, or crushing or penetrating actions; ref. T8 CCR §§1514 & 3385 Foot Protection.

5.3 PPE – Level "C" Protection

Level D protection may be upgraded to Level C protection by site personnel with prior notification to the PSO. Level C protection shall only be downgraded in consultation with the Project CIH.

5.4 Miscellaneous Safety Equipment

Additional protective equipment to be available to personnel working at the project site(s) includes cell phones or portable radios if cellular phone service is not available.

6.0 EMERGENCY RESPONSE PROCEDURES

6.1 Physical Injury

In the event of an accident resulting in physical injury, call emergency service personnel immediately and perform first aid commensurate with training and seriousness of the injury. Severely injured personnel are to be transported only by emergency service personnel and/or by ambulance personnel, unless a life-threatening condition is judged to exist that must be addressed immediately.

The PM is to be notified by the PSO, as soon after the injury as practical, regarding the nature of the accident. The PM or designee will prepare a written report within 24 hours of the accident.

6.2 Catastrophic Event

In the event of a catastrophic event (e.g., severe personal injury, fire, explosion, and/or property damage), notify the fire/safety and rescue department immediately by dialing 911.

Any accident involving serious injury, illness, or death will require suspension of site activities until the PM (or designee) has completed a review of the events and site conditions and authorized work to resume.

The PM (or designee) will notify the nearest Cal/OSHA District Office immediately (within 8-hours) by phone or fax upon learning of a death or serious injury:

Oakland District Office
1515 Clay Street, Ste. 1303
Oakland, CA 94612

Tel: 510.622.2916
Fax: 510.622.2908

6.3 Emergency Telephone Numbers

Fire/Police/Medical Assistance:	**911(Emergency)**
Livermore Police Department:	**925.371.4900** (Non-emergency)
Poison Control:	**800.222.1222** (State Wide)

Other phone numbers may be available or required for emergency response at specific sites. Check with onsite representatives before mobilizing to the job site.

6.4 Project Site Address

Site Address: Vasco Road Landfill **925.453.3620**
4001 N. Vasco Road
Livermore, California 94550

6.5 Hospital Addresses and Routes

Hospital Reference: ValleyCare Medical Center **925.847.3000**
555 W. Las Positas Boulevard
Pleasanton, California 94588

Hospital Directions: From the Site, proceed south on N. Vasco Road for 2.3 mile (mi). Merge onto westbound I-580 (towards Oakland). Stay on I-580 for 12.5 mi. Take Exit 47 for Tassajara Road/Santa Rita Road. Turn left onto Santa Rita Road. Continue for 1 mi. Turn right onto West Las Posita Boulevard. Proceed 200 feet and hospital will be on the right (see Vicinity Map, Figure 1).

7.0 PLAN APPROVAL

The undersigned has reviewed and approved this HSP prepared for ambient perimeter air monitoring conducted at the Vasco Landfill in Livermore, California as described herein.

Douglas S. Krause, CIH
Certified Industrial Hygienist
ABIH Certification No. 2123, Exp. June 1, 2020

June 5, 2017
Date

Josh Ewert
Project Manager

June 5, 2017
Date

The following personnel, including subcontractors involved with the project activities have reviewed, or received a copy of this HSP and Attachments A, B, C& D, and agree to follow the health and safety procedures described herein.

Print Name	Title	Signature	Date

APPENDIX A

Aluminum	**Formula:** Al	**CAS#:** 7429-90-5	**RTECS#:** BD0330000	**IDLH:** N.D.
Conversion:	**DOT:** 1309 170 (powder, coated); 1396 138 (powder, uncoated); 9260 169 (molten)			

Synonyms/Trade Names: Aluminium, Aluminum metal, Aluminum powder, Elemental aluminum

Exposure Limits:
NIOSH REL: TWA 10 mg/m^3 (total)
TWA 5 mg/m^3 (resp)
OSHA PEL: TWA 15 mg/m^3 (total)
TWA 5 mg/m^3 (resp)

Measurement Methods (see Table 1):
NIOSH 7013, 7300, 7301, 7303
OSHA ID121

Physical Description: Silvery-white, malleable, ductile, odorless metal.

Chemical & Physical Properties:
MW: 27.0
BP: 4221°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 2.70
VP: 0 mmHg (approx)
MLT: 1220°F
UEL: NA
LEL: NA
Combustible Solid, finely divided dust is easily ignited; may cause explosions.

Personal Protection/Sanitation (see Table 2):
Skin: N.R.
Eyes: N.R.
Wash skin: N.R.
Remove: N.R.
Change: N.R.

Respirator Recommendations (see Tables 3 and 4):
Not available.

Incompatibilities and Reactivities: Strong oxidizers & acids, halogenated hydrocarbons
[**Note:** Corrodes in contact with acids & other metals. Ignition may occur if powders are mixed with halogens, carbon disulfide, or methyl chloride.]

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Con
SY: Irrit eyes, skin, resp sys
TO: Eyes, skin, resp sys

First Aid (see Table 6):
Eye: Irr immed
Breath: Fresh air

Antimony	**Formula:** Sb	**CAS#:** 7440-36-0	**RTECS#:** CC4025000	**IDLH:** 50 mg/m^3 (as Sb)
Conversion:	**DOT:** 1549 157 (inorganic compounds, n.o.s.); 2871 170 (powder); 3141 157 (inorganic liquid compounds, n.o.s.)			

Synonyms/Trade Names: Antimony metal, Antimony powder, Stibium

Exposure Limits:
NIOSH REL*: TWA 0.5 mg/m^3
OSHA PEL*: TWA 0.5 mg/m^3
[***Note:** The REL and PEL also apply to other antimony compounds (as Sb).]

Measurement Methods (see Table 1):
NIOSH 7301, 7303, P&CAM 261 (II-4)
OSHA ID121, ID125G, ID206

Physical Description: Silver-white, lustrous, hard, brittle solid; scale-like crystals; or a dark-gray, lustrous powder.

Chemical & Physical Properties:
MW: 121.8
BP: 2975°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 6.69
VP: 0 mmHg (approx)
MLT: 1166°F
UEL: NA
LEL: NA

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contam
Remove: When wet or contam
Change: Daily

Respirator Recommendations (see Tables 3 and 4):
NIOSH/OSHA
5 mg/m^3: 95XQ/Sa
12.5 mg/m^3: Sa:Cf/PaprHie
25 mg/m^3: 100F/SaT:Cf/PaprTHie/ScbaF/SaF
50 mg/m^3: Sa:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Noncombustible Solid in bulk form, but a moderate explosion hazard in the form of dust when exposed to flame.

Incompatibilities and Reactivities: Strong oxidizers, acids, halogenated acids
[**Note:** Stibine is formed when antimony is exposed to nascent (freshly formed) hydrogen.]

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: Irrit eyes, skin, nose, throat, mouth; cough; dizz; head; nau, vomit, diarr; stomach cramps; insom; anor; unable to smell properly
TO: Eyes, skin, resp sys, CVS

First Aid (see Table 6):
Eye: Irr immed
Skin: Soap wash immed
Breath: Resp support
Swallow: Medical attention immed

Arsenic (inorganic compounds, as As)	**Formula:** As (metal)	**CAS#:** 7440-38-2 (metal)	**RTECS#:** CG0525000 (metal)	**IDLH:** Ca [5 mg/m^3 (as As)]
Conversion:	**DOT:** 1558 152 (metal); 1562 152 (dust)			

Synonyms/Trade Names: **Arsenic metal:** Arsenia
Other synonyms vary depending upon the specific As compound. [**Note:** OSHA considers "Inorganic Arsenic" to mean copper acetoarsenite & all inorganic compounds containing arsenic except ARSINE.]

Exposure Limits:
NIOSH REL: Ca
C 0.002 mg/m^3 [15-minute]
See Appendix A
OSHA PEL: [1910.1018] TWA 0.010 mg/m^3

Measurement Methods (see Table 1):
NIOSH 7300, 7301, 7303, 9102, 7900
OSHA ID105

Physical Description: Metal: Silver-gray or tin-white, brittle, odorless solid.

Chemical & Physical Properties:
MW: 74.9
BP: Sublimes
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 5.73 (metal)
VP: 0 mmHg (approx)
MLT: 1135°F (Sublimes)
UEL: NA
LEL: NA

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contam/Daily
Remove: When wet or contam
Change: Daily
Provide: Eyewash
Quick drench

Respirator Recommendations (see Tables 3 and 4):
NIOSH
¥: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: GmFAg100/ScbaE

See Appendix E (page 351)

Metal: Noncombustible Solid in bulk form, but a slight explosion hazard in the form of dust when exposed to flame.

Incompatibilities and Reactivities: Strong oxidizers, bromine azide
[**Note:** Hydrogen gas can react with inorganic arsenic to form the highly toxic gas arsine.]

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Abs, Con, Ing
SY: Ulceration of nasal septum, derm, GI disturbances, peri neur, resp irrit, hyperpig of skin, [carc]
TO: Liver, kidneys, skin, lungs, lymphatic sys [lung & lymphatic cancer]

First Aid (see Table 6):
Eye: Irr immed
Skin: Soap wash immed
Breath: Resp support
Swallow: Medical attention immed

Barium chloride (as Ba)	**Formula:** $BaCl_2$	**CAS#:** 10361-37-2	**RTECS#:** CQ8750000	**IDLH:** 50 mg/m^3 (as Ba)
Conversion:	**DOT:** 1564 154 (barium compound, n.o.s.)			

Synonyms/Trade Names: Barium dichloride

Exposure Limits:
NIOSH REL*: TWA 0.5 mg/m^3
OSHA PEL*: TWA 0.5 mg/m^3
[***Note:** The REL and PEL also apply to other soluble barium compounds (as Ba) except Barium sulfate.]

Measurement Methods (see Table 1):
NIOSH 7056, 7303
OSHA ID121

Physical Description: White, odorless solid.

Chemical & Physical Properties:
MW: 208.2
BP: 2840°F
Sol: 38%
Fl.P: NA
IP: ?
Sp.Gr: 3.86
VP: Low
MLT: 1765°F
UEL: NA
LEL: NA
Noncombustible Solid

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contam
Remove: When wet or contam
Change: Daily

Respirator Recommendations (see Tables 3 and 4):
NIOSH/OSHA
5 mg/m^3: 95XQ/Sa
12.5 mg/m^3: Sa:Cf/PaprHie
25 mg/m^3: 100F/SaT:Cf/PaprTHie/ ScbaF/SaF
50 mg/m^3: SaF:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Acids, oxidizers

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: Irrit eyes, skin, upper resp sys; skin burns; gastroenteritis; musc spasm; slow pulse, extrasystoles; hypokalemia
TO: Eyes, skin, resp sys, heart, CNS

First Aid (see Table 6):
Eye: Irr immed
Skin: Water flush immed
Breath: Resp support
Swallow: Medical attention immed

Beryllium & beryllium compounds (as Be)	Formula: Be (metal)	CAS#: 7440-41-7 (metal)	RTECS#: DS1750000 (metal)	IDLH: Ca [4 mg/m^3 (as Be)]
Conversion:	DOT: 1566 154 (compounds); 1567 134 (powder)			

Synonyms/Trade Names: **Beryllium metal:** Beryllium
Other synonyms vary depending upon the specific beryllium compound.

Exposure Limits:
NIOSH REL: Ca
Not to exceed 0.0005 mg/m^3
See Appendix A
OSHA PEL: TWA 0.002 mg/m^3
C 0.005 mg/m^3 0.025 mg/m^3 [30-minute maximum peak]

Measurement Methods (see Table 1):
NIOSH 7102, 7300, 7301, 7303, 9102
OSHA ID125G, ID206

Physical Description: Metal: A hard, brittle, gray-white solid.

Chemical & Physical Properties:
MW: 9.0
BP: 4532°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 1.85 (metal)
VP: 0 mmHg (approx)
MLT: 2349°F
UEL: NA
LEL: NA

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: Daily
Remove: When wet or contam
Change: Daily
Provide: Eyewash

Respirator Recommendations (see Tables 3 and 4):
NIOSH
¥: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Metal: Noncombustible Solid in bulk form, but a slight explosion hazard in the form of a powder or dust.

Incompatibilities and Reactivities: Acids, caustics, chlorinated hydrocarbons, oxidizers, molten lithium

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Con
SY: Berylliosis (chronic exposure): anor, low-wgt, lass, chest pain, cough, clubbing of fingers, cyan, pulm insufficiency; irrit eyes; derm; [carc]
TO: Eyes, skin, resp sys [lung cancer]

First Aid (see Table 6):
Eye: Irr immed
Breath: Fresh air

Cadmium dust (as Cd)	Formula: Cd (metal)	CAS#: 7440-43-9 (metal)	RTECS#: EU9800000 (metal)	IDLH: Ca [9 mg/m^3 (as Cd)]
Conversion:	DOT: 2570 154 (cadmium compound)			

Synonyms/Trade Names: **Cadmium metal:** Cadmium
Other synonyms vary depending upon the specific cadmium compound.

Exposure Limits:
NIOSH REL*: Ca
See Appendix A
OSHA PEL*: [1910.1027] TWA 0.005 mg/m^3
[***Note:** The REL and PEL apply to all Cadmium compounds (as Cd).]

Measurement Methods (see Table 1):
NIOSH 7048, 7300, 7301, 7303, 9102
OSHA ID121, ID125G, ID189, ID206

Physical Description: Metal: Silver-white, blue-tinged lustrous, odorless solid.

Chemical & Physical Properties:
MW: 112.4
BP: 1409°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 8.65 (metal)
VP: 0 mmHg (approx)
MLT: 610°F
UEL: NA
LEL: NA
Metal: Noncombustible Solid in bulk form, but will burn in powder form.

Personal Protection/Sanitation (see Table 2):
Skin: N.R.
Eyes: N.R.
Wash skin: Daily
Remove: N.R.
Change: Daily

Respirator Recommendations (see Tables 3 and 4):
NIOSH
¥: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

See Appendix E (page 351)

Incompatibilities and Reactivities: Strong oxidizers; elemental sulfur, selenium & tellurium

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing
SY: Pulm edema, dysp, cough, chest tight, subs pain; head; chills, musc aches; nau, vomit, diarr; anos, emphy, prot, mild anemia; [carc]
TO: Resp sys, kidneys, prostate, blood [prostatic & lung cancer]

First Aid (see Table 6):
Eye: Irr immed
Skin: Soap wash
Breath: Resp support
Swallow: Medical attention immed

Calcium oxide	**Formula:** CaO	**CAS#:** 1305-78-8	**RTECS#:** EW3100000	**IDLH:** 25 mg/m^3
Conversion:	**DOT:** 1910 157			

Synonyms/Trade Names: Burned lime, Burnt lime, Lime, Pebble lime, Quick lime, Unslaked lime

Exposure Limits:
NIOSH REL: TWA 2 mg/m^3
OSHA PEL: TWA 5 mg/m^3

Measurement Methods (see Table 1):
NIOSH 7020, 7303
OSHA ID121

Physical Description: White or gray, odorless lumps or granular powder.

Chemical & Physical Properties:
MW: 56.1
BP: 5162°F
Sol: Reacts
Fl.P: NA
IP: NA
Sp.Gr: 3.34
VP: 0 mmHg (approx)
MLT: 4662°F
UEL: NA
LEL: NA
Noncombustible Solid, but will support combustion by liberation of oxygen.

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contam/Daily
Remove: When wet or contam
Change: Daily
Provide: Eyewash
Quick drench

Respirator Recommendations (see Tables 3 and 4):
NIOSH
10 mg/m^3: Qm
20 mg/m^3: 95XQ/Sa
25 mg/m^3: Sa:Cf/PaprHie/100F/ ScbaF/SaF
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Water (liberates heat), fluorine, ethanol
[**Note:** Reacts with water to form calcium hydroxide.]

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: Irrit eyes, skin, upper resp tract; ulcer, perf nasal septum; pneu; derm
TO: Eyes, skin, resp sys

First Aid (see Table 6):
Eye: Irr immed
Skin: Water flush immed
Breath: Resp support
Swallow: Medical attention immed

Chromium metal	**Formula:** Cr	**CAS#:** 7440-47-3	**RTECS#:** GB4200000	**IDLH:** 250 mg/m^3 (as Cr)
Conversion:	**DOT:**			

Synonyms/Trade Names: Chrome, Chromium

Exposure Limits:
NIOSH REL: TWA 0.5 mg/m^3
See Appendix C
OSHA PEL*: TWA 1 mg/m^3
See Appendix C
[***Note:** The PEL also applies to insoluble chromium salts.]

Measurement Methods (see Table 1):
NIOSH 7024, 7300, 7301, 7303, 9102
OSHA ID121, ID125G

Physical Description: Blue-white to steel-gray, lustrous, brittle, hard, odorless solid.

Chemical & Physical Properties:
MW: 52.0
BP: 4788°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 7.14
VP: 0 mmHg (approx)
MLT: 3452°F
UEL: NA
LEL: NA
Noncombustible Solid in bulk form, but finely divided dust burns rapidly if heated in a flame.

Personal Protection/Sanitation (see Table 2):
Skin: N.R.
Eyes: N.R.
Wash skin: N.R.
Remove: N.R.
Change: N.R.

Respirator Recommendations (see Tables 3 and 4):
NIOSH
2.5 mg/m^3: Qm*
5 mg/m^3: 95XQ*/Sa*
12.5 mg/m^3: Sa:Cf*/PaprHie*
25 mg/m^3: 100F/PaprTHie*/ ScbaF/SaF
250 mg/m^3: SaF:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Strong oxidizers (such as hydrogen peroxide), alkalis

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: Irrit eyes, skin; lung fib (histologic)
TO: Eyes, skin, resp sys

First Aid (see Table 6):
Eye: Irr immed
Skin: Soap wash
Breath: Resp support
Swallow: Medical attention immed

Cobalt metal dust and fume (as Co)	Formula: Co	CAS#: 7440-48-4	RTECS#: GF8750000	IDLH: 20 mg/m^3 (as Co)
Conversion:	**DOT:**			
Synonyms/Trade Names: Cobalt metal dust, Cobalt metal fume				

Exposure Limits:
NIOSH REL: TWA 0.05 mg/m^3
OSHA PEL†: TWA 0.1 mg/m^3

Measurement Methods (see Table 1):
NIOSH 7027, 7300, 7301, 7303, 9102
OSHA ID121, ID125G, ID213

Physical Description: Odorless, silver-gray to black solid.

Chemical & Physical Properties:
MW: 58.9
BP: 5612°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 8.92
VP: 0 mmHg (approx)
MLT: 2719°F
UEL: NA
LEL: NA
Noncombustible Solid in bulk form, but finely divided dust will burn at high temperatures.

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: N.R.
Wash skin: When contam
Remove: When wet or contam
Change: Daily

Respirator Recommendations (see Tables 3 and 4):
NIOSH
0.25 mg/m^3: Qm
0.5 mg/m^3: 95XQ*/Sa*
1.25 mg/m^3: Sa:Cf*/PaprHie*
2.5 mg/m^3: 100F/ScbaF/SaF
20 mg/m^3: SaF:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Strong oxidizers, ammonium nitrate

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: Cough, dysp, wheez, decr pulm func; low-wgt; derm; diffuse nodular fib; resp hypersensitivity, asthma
TO: Skin, resp sys

First Aid (see Table 6):
Eye: Irr immed
Skin: Soap wash
Breath: Resp support
Swallow: Medical attention immed

Copper (dusts and mists, as Cu)	Formula: Cu	CAS#: 7440-50-8	RTECS#: GL5325000	IDLH: 100 mg/m^3 (as Cu)
Conversion:	**DOT:**			
Synonyms/Trade Names: Copper metal dusts, Copper metal fumes				

Exposure Limits:
NIOSH REL*: TWA 1 mg/m^3
OSHA PEL*: TWA 1 mg/m^3
[***Note:** The REL and PEL also apply to other copper compounds (as Cu) except copper fume.]

Measurement Methods (see Table 1):
NIOSH 7029, 7300, 7301, 7303, 9102
OSHA ID121, ID125G

Physical Description: Reddish, lustrous, malleable, odorless solid.

Chemical & Physical Properties:
MW: 63.5
BP: 4703°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 8.94
VP: 0 mmHg (approx)
MLT: 1981°F
UEL: NA
LEL: NA
Noncombustible Solid in bulk form, but powdered form may ignite.

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contam
Remove: When wet or contam
Change: Daily

Respirator Recommendations (see Tables 3 and 4):
NIOSH/OSHA
5 mg/m^3: Qm*
10 mg/m^3: 95XQ*/Sa*
25 mg/m^3: Sa:Cf*/PaprHie*
50 mg/m^3: 100F/PaprTHie*/ScbaF/SaF
100 mg/m^3: SaF:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Oxidizers, alkalis, sodium azide, acetylene

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: Irrit eyes, nose, pharynx; nasal septum perf; metallic taste; derm; in animals: lung, liver, kidney damage; anemia
TO: Eyes, skin, resp sys, liver, kidneys (incr risk with Wilson's disease)

First Aid (see Table 6):
Eye: Irr immed
Skin: Soap wash prompt
Breath: Resp support
Swallow: Medical attention immed

Iron oxide dust and fume (as Fe)	Formula: Fe_2O_3	CAS#: 1309-37-1	RTECS#: NO7400000 NO7525000 (fume)	IDLH: 2500 mg/m^3 (as Fe)
Conversion:	**DOT:** 1376 135 (spent)			
Synonyms/Trade Names: Ferric oxide, Iron(III) oxide				

Exposure Limits:
NIOSH REL: TWA 5 mg/m^3
OSHA PEL: TWA 10 mg/m^3

Physical Description: Reddish-brown solid.
[**Note:** Exposure to fume may occur during the arc-welding of iron.]

Measurement Methods (see Table 1):
NIOSH 7300, 7301, 7303, 9102
OSHA ID121, ID125G

Chemical & Physical Properties:
MW: 159.7
BP: ?
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 5.24
VP: 0 mmHg (approx)
MLT: 2664°F
UEL: NA
LEL: NA
Noncombustible Solid

Personal Protection/Sanitation (see Table 2):
Skin: N.R.
Eyes: N.R.
Wash skin: N.R.
Remove: N.R.
Change: N.R.

Respirator Recommendations (see Tables 3 and 4):
NIOSH
50 mg/m^3: 95XQ/Sa
125 mg/m^3: Sa:Cf/PaprHie
250 mg/m^3: 100F/SaT:Cf/PaprTHie/ ScbaF/SaF
2500 mg/m^3: Sa:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Calcium hypochlorite

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh
SY: Benign pneumoconiosis with X-ray shadows indistinguishable from fibrotic pneumoconiosis (siderosis)
TO: Resp sys

First Aid (see Table 6):
Breath: Resp support

Lead	Formula: Pb	CAS#: 7439-92-1	RTECS#: OF7525000	IDLH: 100 mg/m^3 (as Pb)
Conversion:	**DOT:**			
Synonyms/Trade Names: Lead metal, Plumbum				

Exposure Limits:
NIOSH REL*: TWA 0.050 mg/m^3
See Appendix C
OSHA PEL*: [1910.1025] TWA 0.050 mg/m^3
See Appendix C
[***Note:** The REL and PEL also apply to other lead compounds (as Pb) -- see Appendix C.]

Physical Description: A heavy, ductile, soft, gray solid.

Measurement Methods (see Table 1):
NIOSH 7082, 7105, 7300, 7301, 7303, 7700, 7701, 7702, 9102, 9105
OSHA ID121, ID125G, ID206

Chemical & Physical Properties:
MW: 207.2
BP: 3164°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 11.34
VP: 0 mmHg (approx)
MLT: 621°F
UEL: NA
LEL: NA
Noncombustible Solid in bulk form.

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: Daily
Remove: When wet or contam
Change: Daily

Respirator Recommendations (see Tables 3 and 4):
NIOSH/OSHA
0.5 mg/m^3: 100XQ/Sa
1.25 mg/m^3: Sa:Cf/PaprHie
2.5 mg/m^3: 100F/SaT:Cf/PaprTHie/ ScbaF/SaF
50 mg/m^3: Sa:Pd,Pp
100 mg/m^3: SaF:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

See Appendix E (page 351)

Incompatibilities and Reactivities: Strong oxidizers, hydrogen peroxide, acids

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: Lass, insom; facial pallor; anor, low-wgt, malnut; constip, abdom pain, colic; anemia; gingival lead line; tremor; para wrist, ankles; encephalopathy; kidney disease; irrit eyes; hypotension
TO: Eyes, GI tract, CNS, kidneys, blood, gingival tissue

First Aid (see Table 6):
Eye: Irr immed
Skin: Soap flush prompt
Breath: Resp support
Swallow: Medical attention immed

Manganese compounds and fume (as Mn)	Formula: Mn (metal)	CAS#: 7439-96-5 (metal)	RTECS#: OO9275000 (metal)	IDLH: 500 mg/m^3 (as Mn)
Conversion:	DOT:			

Synonyms/Trade Names: **Manganese metal:** Colloidal manganese, Manganese-55
Synonyms of other compounds vary depending upon the specific manganese compound.

Exposure Limits:
NIOSH REL*: TWA 1 mg/m^3
ST 3 mg/m^3
[***Note:** Also see specific listings for Manganese cyclopentadienyl tricarbonyl, Methyl cyclopentadienyl manganese tricarbonyl, and Manganese tetroxide.]
OSHA PEL*: C 5 mg/m^3
[***Note:** Also see specific listings for Manganese cyclopentadienyl tricarbonyl and Methyl cyclopentadienyl manganese tricarbonyl.]

Measurement Methods (see Table 1):
NIOSH 7300, 7301, 7303, 9102
OSHA ID121, ID125G

Physical Description: A lustrous, brittle, silvery solid.

Chemical & Physical Properties:
MW: 54.9
BP: 3564°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 7.20 (metal)
VP: 0 mmHg (approx)
MLT: 2271°F
UEL: NA
LEL: NA
Metal: Combustible Solid

Personal Protection/Sanitation (see Table 2):
Skin: N.R.
Eyes: N.R.
Wash skin: N.R.
Remove: N.R.
Change: N.R.

Respirator Recommendations (see Tables 3 and 4):
NIOSH
10 mg/m^3: 95XQ/Sa
25 mg/m^3: Sa:Cf/PaprHie
50 mg/m^3: 100F/SaT:Cf/PaprTHie/ ScbaF/SaF
500 mg/m^3: Sa:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Oxidizers
[**Note:** Will react with water or steam to produce hydrogen.]

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing
SY: Parkinson's; asthenia, insom, mental conf; metal fume fever: dry throat, cough, chest tight, dysp, rales, flu-like fever; low-back pain; vomit; mal; lass; kidney damage
TO: Resp sys, CNS, blood, kidneys

First Aid (see Table 6):
Breath: Resp support
Swallow: Medical attention immed

Molybdenum (soluble compounds, as Mo)	Formula:	CAS#:	RTECS#:	IDLH: 1000 mg/m^3 (as Mo)
Conversion:	DOT:			

Synonyms/Trade Names: Synonyms vary depending upon the specific soluble molybdenum compound.

Exposure Limits:
NIOSH REL: See Appendix D
OSHA PEL: TWA 5 mg/m^3

Measurement Methods (see Table 1):
NIOSH 7300, 7301, 7303, 9102
OSHA ID121, ID125G

Physical Description: Appearance and odor vary depending upon the specific soluble molybdenum compound.

Chemical & Physical Properties:
Properties vary depending upon the specific soluble molybdenum compound.

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contam
Remove: When wet or contam
Change: N.R.

Respirator Recommendations (see Tables 3 and 4):
OSHA
25 mg/m^3: Qm*
50 mg/m^3: 95XQ*/Sa*
125 mg/m^3: Sa:Cf*/PaprHie*
250 mg/m^3: 100F/SaT:Cf*/PaprTHie*/ ScbaF/SaF
1000 mg/m^3: SaF:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Varies

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: In animals: irrit eyes, nose, throat; anor; inco; dysp; anemia
TO: Eyes, resp sys, kidneys, blood

First Aid (see Table 6):
Eye: Irr immed
Skin: Water flush
Breath: Resp support
Swallow: Medical attention immed

Nickel metal and other compounds (as Ni)	Formula: Ni (metal)	CAS#: 7440-02-0 (metal)	RTECS#: QR5950000 (metal)	IDLH: Ca [10 mg/m^3 (as Ni)]
Conversion:	DOT:			

Synonyms/Trade Names: **Nickel metal:** Elemental nickel, Nickel catalyst
Synonyms of other nickel compounds vary depending upon the specific compound.

Exposure Limits:
NIOSH REL*: Ca
TWA 0.015 mg/m^3
See Appendix A
OSHA PEL*†: TWA 1 mg/m^3
[***Note:** The REL and PEL do not apply to Nickel carbonyl.]

Measurement Methods (see Table 1):
NIOSH 7300, 7301, 7303, 9102
OSHA ID121, ID125G

Physical Description: Metal: Lustrous, silvery, odorless solid.

Chemical & Physical Properties:
MW: 58.7
BP: 5139°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 8.90 (Metal)
VP: 0 mmHg (approx)
MLT: 2831°F
UEL: NA
LEL: NA
Metal: Combustible Solid; nickel sponge catalyst may ignite SPONTANEOUSLY in air.

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: N.R.
Wash skin: When contam/Daily
Remove: When wet or contam
Change: Daily

Respirator Recommendations (see Tables 3 and 4):
NIOSH
¥: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Strong acids, sulfur, selenium, wood & other combustibles, nickel nitrate

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: Sens derm, allergic asthma, pneu; [carc]
TO: Nasal cavities, lungs, skin [lung and nasal cancer]

First Aid (see Table 6):
Skin: Water flush immed
Breath: Resp support
Swallow: Medical attention immed

Selenium	Formula: Se	CAS#: 7782-49-2	RTECS#: VS7700000	IDLH: 1 mg/m^3 (as Se)
Conversion:	DOT: 2658 152 (powder)			

Synonyms/Trade Names: Elemental selenium, Selenium alloy

Exposure Limits:
NIOSH REL*: TWA 0.2 mg/m^3
OSHA PEL*: TWA 0.2 mg/m^3
[***Note:** The REL and PEL also apply to other selenium compounds (as Se) except Selenium hexafluoride.]

Measurement Methods (see Table 1):
NIOSH 7300, 7301, 7303, 9102, S190 (II-7)
OSHA ID121

Physical Description: Amorphous or crystalline, red to gray solid.
[**Note:** Occurs as an impurity in most sulfide ores.]

Chemical & Physical Properties:
MW: 79.0
BP: 1265°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 4.28
VP: 0 mmHg (approx)
MLT: 392°F
UEL: NA
LEL: NA
Combustible Solid

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: N.R.
Wash skin: When contam
Remove: When wet or contam
Change: N.R.
Provide: Quick drench

Respirator Recommendations (see Tables 3 and 4):
NIOSH/OSHA
1 mg/m^3: Qm*/95XQ*/100F/PaprHie*/PaprHie*/Sa*/ScbaF
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Acids, strong oxidizers, chromium trioxide, potassium bromate, cadmium

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: Irrit eyes, skin, nose, throat; vis dist; head; chills, fever; dysp, bron; metallic taste, garlic breath, GI dist; derm; eye, skin burns; in animals: anemia; liver nec, cirr; kidney, spleen damage
TO: Eyes, skin, resp sys, liver, kidneys, blood, spleen

First Aid (see Table 6):
Eye: Irr immed
Skin: Soap wash immed
Breath: Resp support
Swallow: Medical attention immed

Silver (metal dust and soluble compounds, as Ag)	Formula: Ag (metal)	CAS#: 7440-22-4 (metal)	RTECS#: VW3500000 (metal)	IDLH: 10 mg/m^3 (as Ag)
Conversion:	DOT:			

Synonyms/Trade Names: **Silver metal:** Argentum
Synonyms of soluble silver compounds such as Silver nitrate ($AgNO_3$) vary depending upon the specific compound.

Exposure Limits:
NIOSH REL: TWA 0.01 mg/m^3
OSHA PEL: TWA 0.01 mg/m^3

Measurement Methods (see Table 1):
NIOSH 7300, 7301, 9102
OSHA ID121

Physical Description: Metal: White, lustrous solid.

Chemical & Physical Properties:
MW: 107.9
BP: 3632°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 10.49 (metal)
VP: 0 mmHg (approx)
MLT: 1761°F
UEL: NA
LEL: NA
Metal: Noncombustible Solid, but flammable in form of dust or powder.

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contam
Remove: When wet or contam ($AgNO_3$)
Change: Daily
Provide: Eyewash

Respirator Recommendations (see Tables 3 and 4):
NIOSH/OSHA
0.25 mg/m^3: Sa:Cf£/PaprHie£
0.5 mg/m^3: 100F/ScbaF/SaF
10 mg/m^3: SaF:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Acetylene, ammonia, hydrogen peroxide, bromoazide, chlorine trifluoride, ethyleneimine, oxalic acid, tartaric acid

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: Blue-gray eyes, nasal septum, throat, skin; irrit, ulceration skin; GI dist
TO: Nasal septum, skin, eyes

First Aid (see Table 6):
Eye: Irr immed
Skin: Water flush
Breath: Resp support
Swallow: Medical attention immed

Tin	Formula: Sn	CAS#: 7440-31-5	RTECS#: XP7320000	IDLH: 100 mg/m^3 (as Sn)
Conversion:	DOT:			

Synonyms/Trade Names: Metallic tin, Tin flake, Tin metal, Tin powder

Exposure Limits:
NIOSH REL*: TWA 2 mg/m^3
OSHA PEL*: TWA 2 mg/m^3
[***Note:** The REL and PEL also apply to other inorganic tin compounds (as Sn) except tin oxides.]

Measurement Methods (see Table 1):
NIOSH 7300, 7301, 7303
OSHA ID121, ID206

Physical Description: Gray to almost silver-white, ductile, malleable, lustrous solid.

Chemical & Physical Properties:
MW: 118.7
BP: 4545°F
Sol: Insoluble
Fl.P: NA
IP: NA
Sp.Gr: 7.28
VP: 0 mmHg (approx)
MLT: 449°F
UEL: NA
LEL: NA
Noncombustible Solid, but powdered form may ignite.

Personal Protection/Sanitation (see Table 2):
Skin: N.R.
Eyes: N.R.
Wash skin: N.R.
Remove: N.R.
Change: N.R.

Respirator Recommendations (see Tables 3 and 4):
NIOSH/OSHA
10 mg/m^3: Qm*
20 mg/m^3: 95XQ*/Sa*
50 mg/m^3: Sa:Cf*/PaprHie*
100 mg/m^3: 100F/ScbaF/SaF
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Chlorine, turpentine, acids, alkalis

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Con
SY: Irrit eyes, skin, resp sys; in animals: vomit, diarr, para with musc twitch
TO: Eyes, skin, resp sys

First Aid (see Table 6):
Eye: Irr immed
Skin: Soap wash immed
Breath: Resp support
Swallow: Medical attention immed

Vanadium dust	**Formula:** V_2O_5	**CAS#:** 1314-62-1	**RTECS#:** YW2450000	**IDLH:** 35 mg/m^3 (as V)
Conversion:	**DOT:** 2862 151			

Synonyms/Trade Names: Divanadium pentoxide dust, Vanadic anhydride dust, Vanadium oxide dust, Vanadium pentaoxide dust. Other synonyms vary depending upon the specific vanadium compound.

Exposure Limits:
NIOSH REL*: C 0.05 mg V/m^3 [15-minute]
[***Note:** The REL applies to all vanadium compounds except Vanadium metal and Vanadium carbide (see Ferrovanadium dust).]
OSHA PEL†: C 0.5 mg V_2O_5/m^3 (resp)

Measurement Methods (see Table 1):
NIOSH 7300, 7301, 7303, 7504, 9102
OSHA ID185

Physical Description: Yellow-orange powder or dark-gray, odorless flakes dispersed in air.

Chemical & Physical Properties:
MW: 181.9
BP: 3182°F (Decomposes)
Sol: 0.8%
Fl.P: NA
IP: NA
Sp.Gr: 3.36
VP: 0 mmHg (approx)
MLT: 1274°F
UEL: NA
LEL: NA
Noncombustible Solid, but may increase intensity of fire when in contact with combustible materials.

Personal Protection/Sanitation (see Table 2):
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contam
Remove: When wet or contam
Change: N.R.

Respirator Recommendations (see Tables 3 and 4):
NIOSH (as V)
0.5 mg/m^3: 100XQ*/Sa*
1.25 mg/m^3: Sa:Cf*/PaprHie*
2.5 mg/m^3: 100F/PaprTHie*/ScbaF/SaF
35 mg/m^3: SaF:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Lithium, chlorine trifluoride

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh, Ing, Con
SY: Irrit eyes, skin, throat; green tongue, metallic taste, eczema; cough; fine rales, wheez, bron, dysp
TO: Eyes, skin, resp sys

First Aid (see Table 6):
Eye: Irr immed
Skin: Soap wash prompt
Breath: Resp support
Swallow: Medical attention immed

Zinc oxide	**Formula:** ZnO	**CAS#:** 1314-13-2	**RTECS#:** ZH4810000	**IDLH:** 500 mg/m^3
Conversion:	**DOT:** 1516 143			

Synonyms/Trade Names: Zinc peroxide

Exposure Limits:
NIOSH REL: Dust: TWA 5 mg/m^3
C 15 mg/m^3
Fume: TWA 5 mg/m^3
ST 10 mg/m^3
OSHA PEL†: TWA 5 mg/m^3 (fume)
TWA 15 mg/m^3 (total dust)
TWA 5 mg/m^3 (resp dust)

Measurement Methods (see Table 1):
NIOSH 7303, 7502
OSHA ID121, ID143

Physical Description: White, odorless solid.

Chemical & Physical Properties:
MW: 81.4
BP: ?
Sol(64°F): 0.0004%
Fl.P: NA
IP: NA
Sp.Gr: 5.61
VP: 0 mmHg (approx)
MLT: 3587°F
UEL: NA
LEL: NA
Noncombustible Solid

Personal Protection/Sanitation (see Table 2):
Skin: N.R.
Eyes: N.R.
Wash skin: N.R.
Remove: N.R.
Change: N.R.

Respirator Recommendations (see Tables 3 and 4):
NIOSH/OSHA
50 mg/m^3: 95XQ/Sa
125 mg/m^3: Sa:Cf/PaprHie
250 mg/m^3: 100F/SaT:Cf/PaprTHie/ScbaF/SaF
500 mg/m^3: Sa:Pd,Pp
§: ScbaF:Pd,Pp/SaF:Pd,Pp:AScba
Escape: 100F/ScbaE

Incompatibilities and Reactivities: Chlorinated rubber (at 419°F), water
[**Note:** Slowly decomposed by water.]

Exposure Routes, Symptoms, Target Organs (see Table 5):
ER: Inh
SY: Metal fume fever: chills, musc ache, nau, fever, dry throat, cough; lass; metallic taste; head; blurred vision; low back pain; vomit; mal; chest tight; dysp, rales, decr pulm func
TO: Resp sys

First Aid (see Table 6):
Breath: Resp support

APPENDIX B

I. SUBSTANCE IDENTIFICATION

A. Substance. Inorganic Arsenic.

B. Definition. Copper acetoarsenite, arsenic and all inorganic compounds containing arsenic except arsine, measured as arsenic (As).

C. Permissible Exposure Limit. 0.01 milligrams per cubic meter of air (same as 10 micrograms per cubic meter of air) as determined as an average over an 8-hour period. No employee may be exposed to any skin or eye contact with arsenic trichloride or to skin or eye contact likely to cause skin or eye irritation.

D. Action Level. 0.005 milligrams per cubic meter of air (same as 5 micrograms per cubic meter of air) determined as an average over an 8-hour period.

E. Regulated Areas. Only employees authorized by your employer should enter a regulated area.

II. HEALTH HAZARD DATA

A. Comments. The health hazard of inorganic arsenic is high.

B. Ways In Which Inorganic Arsenic Affects Your Body. Exposure to airborne inorganic arsenic may cause lung cancer, and it can be a skin irritant. Inorganic arsenic may also affect your body if swallowed. One compound in particular, arsenic trichloride, is especially dangerous because it is highly corrosive and it can be absorbed readily through the skin. Because inorganic arsenic is a poison, you should wash your hands thoroughly prior to eating or smoking.

III. PROTECTIVE CLOTHING AND EQUIPMENT

A. Respirators. Respirators will be provided by your employer at no cost to you for routine use if your employer is in the process of implementing engineering and work practice controls or where engineering and work practice controls are not feasible or insufficient. You must wear respirators for non-routine activities or in emergency situations where you are likely to be exposed to levels of inorganic arsenic in excess of the permissible exposure limit. Since how well your respirator fits your face is very important, your employer is required to conduct fit tests to make sure the respirator seals properly when you wear it. These tests are simple and rapid and will be explained to you during training sessions.

B. Protective clothing. If you work in a regulated area, your employer is required to provide at no cost to you, and you must wear, appropriate, clean, protective clothing and equipment. The purpose of this equipment is to prevent you from bringing to your home arsenic-contaminated dust and to protect your body from repeated skin contact with inorganic arsenic likely to cause skin irritation. This clothing should include such items as coveralls or similar full-body clothing, gloves, shoes or coverlets, and aprons. Protective equipment should include face shields or vented goggles where eye injury may occur.

IV. HYGIENE FACILITIES AND PRACTICES

You must not eat, drink, smoke, chew gum or tobacco, or apply cosmetics in the regulated area, except that drinking water is permitted. If you work in a regulated area your employer is required to provide lunch rooms and other areas for these purposes.

If you work in a regulated area, your employer is required to provide showers, washing facilities, and change rooms. You must wash your face and hands before eating and must shower at the end of the work shift. Do not take used protective clothing out of change rooms without your employer's permission. Your employer is required to provide for laundering or cleaning of your protective clothing.

V. SIGNS AND LABELS

Your employer is required to post warning signs and labels for your protection. Signs must be posted in regulated areas. The signs must warn that a cancer hazard is present, that only authorized employees may enter the area, and that no smoking or eating is allowed, and that respirators must be worn.

VI. MEDICAL EXAMINATIONS

If your exposure to arsenic is over the action level at least 30 days per year, or your have been exposed to arsenic for more than 10 years over the action level, your employer is required to provide you with a medical examination. The examination shall be every 6 months for employees over 45 years old or with more than 10 years exposure over the action level and annually for other covered employees. The initial medical examination must include a medical history; a chest X-ray; skin examination; nasal examination and sputum cytology examination for the early detection of lung cancer. In subsequent medical examinations, the chest X-ray is not required unless recommended by the physician. The cytology exams are only included in the initial examination and examinations given after you are either 45 years or older or have 10 or more years employment over the action level. The examining physician will provide a written opinion to your employer interpreting the results of the medical exams. You should also receive a copy of this opinion. The physician must not tell your employer any conditions he or she detects unrelated to occupational exposure to arsenic but must tell you those conditions.

VII.OBSERVATION OF MONITORING

Your employer is required to monitor your exposure to arsenic and you or your representatives are entitled to observe the monitoring procedure. You are entitled to receive an explanation of the measurement procedure, and to record the results obtained. When the monitoring procedure is taking place in an area where respirators or personal protective clothing and equipment are required to be worn, you must also be provided with and must wear the protective clothing and equipment.

VIII. ACCESS TO RECORDS

You or your representative are entitled to records of your exposure to inorganic arsenic upon request to your employer. Your medical examination records can be furnished to you, your physician, or any other individual or organization that you designate if you request your employer to provide them.

IX. TRAINING AND NOTIFICATION

Additional information on all of these items plus training as to hazards of exposure to inorganic arsenic and the engineering and work practice controls associated with your job will also be provided by your employer. If you are exposed over the permissible exposure limit, your employer must inform you of that fact and the actions he or she is taking to reduce your exposures.

APPENDIX C

Substance Safety Data Sheet Cadmium

I. SUBSTANCE IDENTIFICATION

A. Substance: Cadmium.

B. 8-Hour, Time-weighted-average, Permissible Exposure Limit (TWA PEL):

1. TWA PEL: Five micrograms of cadmium per cubic meter of air 5 $\mu g/m^3$, time-weighted average (TWA) for an 8-hour workday.

C. Appearance: Cadmium metal - soft, blue-white, malleable, lustrous metal or grayish-white powder. Some cadmium compounds may also appear as a brown, yellow, or red powdery substance.

II. HEALTH HAZARD DATA

A. Routes of Exposure.

Cadmium can cause local skin or eye irritation. Cadmium can affect your health if you inhale it or if you swallow it.

B. Effects of overexposure.

1. Short-term (acute) exposure: Cadmium is much more dangerous by inhalation than by ingestion. High exposures to cadmium that may be immediately dangerous to life or health occur in jobs where workers handle large quantities of cadmium dust or fume; heat cadmium-containing compounds or cadmium-coated surfaces; weld with cadmium solders or cut cadmium-containing materials such as bolts.

2. Severe exposure may occur before symptoms appear. Early symptoms may include mild irritation of the upper respiratory tract, a sensation of constriction of the throat, a metallic taste and/or a cough. A period of 1 - 10 hours may precede the onset of rapidly progressing shortness of breath, chest pain, and flu-like symptoms with weakness, fever, headache, chills, sweating and muscular pain. Acute pulmonary edema usually develops within 24 hours and reaches a maximum by three days. If death from asphyxia does not occur, symptoms may resolve within a week.

3. Long-term (chronic) exposure. Repeated or long-term exposure to cadmium, even at relatively low concentrations, may result in kidney damage and an increased risk of cancer of the lung and of the prostate.

C. Emergency First Aid Procedures

1. Eye exposure: Direct contact may cause redness or pain. Wash eyes immediately with large amounts of water, lifting the upper and lower eyelids. Get medical attention immediately.

2. Skin exposure: Direct contact may result in irritation. Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water. Get medical attention immediately.

3. Ingestion: Ingestion may result in vomiting, abdominal pain, nausea, diarrhea, headache and sore throat. Treatment for symptoms must be administered by medical personnel. Under no circumstances should the employer allow any person whom he retains, employs, supervises or controls to engage in therapeutic chelation. Such treatment is likely to translocate cadmium from pulmonary or other tissue to renal tissue. Get medical attention immediately.

4. Inhalation: If large amounts of cadmium are inhaled, the exposed person must be moved to fresh air at once. If breathing has stopped, perform cardiopulmonary resuscitation. Administer oxygen if available. Keep the affected person warm and at rest. Get medical attention immediately.

5. Rescue: Move the affected person from the hazardous exposure. If the exposed person has been overcome, attempt rescue only after notifying at least one other person of the emergency and

putting into effect established emergency procedures. Do not become a casualty yourself. Understand your emergency rescue procedures and know the location of the emergency equipment before the need arises.

III. EMPLOYEE INFORMATION

A. Protective Clothing and Equipment

1. Respirators: You may be required to wear a respirator for non-routine activities; in emergencies; while your employer is in the process of reducing cadmium exposures through engineering controls; and where engineering controls are not feasible. If respirators are worn in the future, they must have a joint Mine Safety and Health Administration (MSHA) and National Institute for Occupational Safety and Health (NIOSH) label of approval. Cadmium does not have a detectable odor except at levels well above the permissible exposure limits. If you can smell cadmium while wearing a respirator, proceed immediately to fresh air. If you experience difficulty breathing while wearing a respirator, tell your employer.
2. Protective Clothing: You may be required to wear impermeable clothing, gloves, foot gear, a face shield, or other appropriate protective clothing to prevent skin contact with cadmium. Where protective clothing is required, your employer must provide clean garments to you as necessary to assure that the clothing protects you adequately. The employer must replace or repair protective clothing that has become torn or otherwise damaged.
3. Eye Protection: You may be required to wear splash-proof or dust resistant goggles to prevent eye contact with cadmium.

B. Employer Requirements

1. Medical: If you are exposed to cadmium at or above the action level, your employer is required to provide a medical examination, laboratory tests and a medical history according to the medical surveillance provisions under paragraph (l) of this standard. (See summary chart and tables in this Appendix A.) These tests shall be provided without cost to you. In addition, if you are accidentally exposed to cadmium under conditions known or suspected to constitute toxic exposure to cadmium, your employer is required to make special tests available to you.
2. Access to Records: All medical records are kept strictly confidential. You or your representative are entitled to see the records of measurements of your exposure to cadmium. Your medical examination records can be furnished to your personal physician or designated representative upon request by you to your employer.
3. Observation of Monitoring: Your employer is required to perform measurements that are representative of your exposure to cadmium and you or your designated representative are entitled to observe the monitoring procedure. You are entitled to observe the steps taken in the measurement procedure, and to record the results obtained. When the monitoring procedure is taking place in an area where respirators or personal protective clothing and equipment are required to be worn, you or your representative must also be provided with, and must wear the protective clothing and equipment.

C. Employee Requirements

You will not be able to smoke, eat, drink, chew gum or tobacco, or apply cosmetics while working with cadmium in regulated areas. You will also not be able to carry or store tobacco products, gum, food, drinks or cosmetics in regulated areas because these products easily become contaminated with cadmium from the workplace and can therefore create another source unnecessary of cadmium exposure.

Some workers will have to change out of work clothes and shower at the end of the day, as part of their workday, in order to wash cadmium from skin and hair. Handwashing and cadmium-free eating facilities shall be provided by the employer and proper hygiene should always be performed before

eating. It is also recommended that you do not smoke or use tobacco products, because among other things, they naturally contain cadmium. For further information, read the labeling on such products.

IV. PHYSICIAN INFORMATION

A. Introduction

The medical surveillance provisions of paragraph (l) generally are aimed at accomplishing three main interrelated purposes: first, identifying employees at higher risk of adverse health effects from excess, chronic exposure to cadmium; second, preventing cadmium-induced disease; and third, detecting and minimizing existing cadmium-induced disease. The core of medical surveillance in this standard is the early and periodic monitoring of the employee's biological indicators of: a) recent exposure to cadmium; b) cadmium body burden; and c) potential and actual kidney damage associated with exposure to cadmium.

The main adverse health effects associated with cadmium overexposure are lung cancer and kidney dysfunction. It is not yet known how to adequately biologically monitor human beings to specifically prevent cadmium-induced lung cancer. By contrast, the kidney can be monitored to provide prevention and early detection of cadmium-induced kidney damage. Since, for non-carcinogenic effects, the kidney is considered the primary target organ of chronic exposure to cadmium, the medical surveillance provisions of this standard effectively focus on cadmium-induced kidney disease. Within that focus, the aim, where possible, is to prevent the onset of such disease and, where necessary, to minimize such disease as may already exist. The by-products of successful prevention of kidney disease are anticipated to be the reduction and prevention of other cadmium-induced diseases.

B. Health Effects

The major health effects associated with cadmium overexposure are described below.

1. Kidney

The most prevalent non-malignant disease observed among workers chronically exposed to cadmium is kidney dysfunction. Initially, such dysfunction is manifested as proteinuria. The proteinuria associated with cadmium exposure is most commonly characterized by excretion of low-molecular weight proteins (15,000 to 40,000 MW) accompanied by loss of electrolytes, uric acid, calcium, amino acids, and phosphate. The compounds commonly excreted include: beta-2-microglobulin ($ß_2$-M), retinol binding protein (RBP), immunoglobulin light chains, and lysozyme. Excretion of low molecular weight proteins are characteristic of damage to the proximal tubules of the kidney (Iwao et al., 1980).

It has also been observed that exposure to cadmium may lead to urinary excretion of high-molecular weight proteins such as albumin, immunoglobulin G, and glycoproteins (Ex. 29). Excretion of high-molecular weight proteins is typically indicative of damage to the glomeruli of the kidney. Bernard et al., (1979) suggest that damage to the glomeruli and damage to the proximal tubules of the kidney may both be linked to cadmium exposure but they may occur independently of each other.

Several studies indicate that the onset of low-molecular weight proteinuria is a sign of irreversible kidney damage (Friberg et al., 1974; Roels et al., 1982; Piscator 1984; Elinder et al., 1985; Smith et al., 1986). Above specific levels of $ß_2$-M associated with cadmium exposure it is unlikely that $ß_2$-M levels return to normal even when cadmium exposure is eliminated by removal of the individual from the cadmium work environment (Friberg, Ex. 29, 1990).

Some studies indicate that such proteinuria may be progressive; levels of $ß_2$-M observed in the urine increase with time even after cadmium exposure has ceased. See, for example, Elinder et al., 1985. Such observations, however, are not universal, and it has been suggested that studies in which proteinuria has not been observed to progress may not have tracked patients for a sufficiently long time interval (Jarup, Ex. 8-661).

When cadmium exposure continues after the onset of proteinuria, chronic nephrotoxicity may occur (Friberg, Ex. 29). Uremia results from the inability of the glomerulus to adequately filter blood. This leads to severe disturbance of electrolyte concentrations and may lead to various clinical complications including kidney stones (L-140-50).

After prolonged exposure to cadmium, glomerular proteinuria, glucosuria, aminoaciduria, phosphaturia, and hypercalciuria may develop (Exs. 8-86, 4-28, 14-18). Phosphate, calcium, glucose, and amino acids are essential to life, and under normal conditions, their excretion should be regulated by the kidney. Once low molecular weight proteinuria has developed, these elements dissipate from the human body. Loss of glomerular function may also occur, manifested by decreased glomerular filtration rate and increased serum creatinine. Severe cadmium- induced renal damage may eventually develop into chronic renal failure and uremia (Ex. 55).

Studies in which animals are chronically exposed to cadmium confirm the renal effects observed in humans (Friberg et al., 1986). Animal studies also confirm problems with calcium metabolism and related skeletal effects which have been observed among humans exposed to cadmium in addition to the renal effects. Other effects commonly reported in chronic animal studies include anemia, changes in liver morphology, immunosuppression and hypertension. Some of these effects may be associated with co- factors. Hypertension, for example, appears to be associated with diet as well as cadmium exposure. Animals injected with cadmium have also shown testicular necrosis (Ex. 8-86B).

2. Biological Markers

It is universally recognized that the best measures of cadmium exposures and its effects are measurements of cadmium in biological fluids, especially urine and blood. Of the two, CdU is conventionally used to determine body burden of cadmium in workers without kidney disease. CdB is conventionally used to monitor for recent exposure to cadmium. In addition, levels of CdU and CdB historically have been used to predict the percent of the population likely to develop kidney disease (Thun et al., Ex. L-140-50; WHO, Ex. 8-674; ACGIH, Exs. 8-667, 140-50).

The third biological parameter upon which OSHA relies for medical surveillance is Beta-2-microglobulin in urine ($ß_2$-M), a low molecular weight protein. Excess $ß_2$-M has been widely accepted by physicians and scientists as a reliable indicator of functional damage to the proximal tubule of the kidney (Exs. 8- 447, 144-3-C, 4-47, L-140-45, 19-43-A).

Excess $ß_2$-M is found when the proximal tubules can no longer reabsorb this protein in a normal manner. This failure of the proximal tubules is an early stage of a kind of kidney disease that commonly occurs among workers with excessive cadmium exposure. Used in conjunction with biological test results indicating abnormal levels of CdU and CdB, the finding of excess $ß_2$-M can establish for an examining physician that any existing kidney disease is probably cadmium-related (Trs. 6/6/90, pp. 82- 86, 122, 134). The upper limits of normal levels for cadmium in urine and cadmium in blood are 3 µg Cd/gram creatinine in urine and 5 µg Cd/liter whole blood, respectively. These levels were derived from broad-based population studies.

Three issues confront the physicians in the use of $ß_2$-M as a marker of kidney dysfunction and material impairment. First, there are a few other causes of elevated levels of $ß_2$-M not related to cadmium exposures, some of which may be rather common diseases and some of which are serious diseases (e.g., myeloma or transient flu, Exs. 29 and 8-086). These can be medically evaluated as alternative causes (Friberg, Ex. 29). Also, there are other factors that can cause $ß_2$-M to degrade so that low levels would result in workers with tubular dysfunction. For example, regarding the degradation of $ß_2$-M, workers with acidic urine (pH < 6) might have $ß_2$-M levels that are within the "normal" range when in fact kidney dysfunction has occurred (Ex. L-140-1) and the low molecular weight proteins are degraded in acid urine. Thus, it is very important that the pH of urine be measured, that urine samples be buffered as necessary (See Appendix F.), and

that urine samples be handled correctly, i.e., measure the pH of freshly voided urine samples, then if necessary, buffer to pH > 6 (or above for shipping purposes), measure pH again and then, perhaps, freeze the sample for storage and shipping. (See also Appendix F.) Second, there is debate over the pathological significance of proteinuria, however, most world experts believe that $ß_2$-M levels greater than 300 µg/g Cr are abnormal (Elinder, Ex. 55, Friberg, Ex. 29). Such levels signify kidney dysfunction that constitutes material impairment of health. Finally, detection of $ß_2$-M at low levels has often been considered difficult, however, many laboratories have the capability of detecting excess $ß_2$-M using simple kits, such as the Phadebas Delphia test, that are accurate to levels of 100 µg $ß_2$-M/g Cr U (Ex. L-140-1).

Specific recommendations for ways to measure $ß_2$-M and proper handling of urine samples to prevent degradation of $ß_2$-M have been addressed by OSHA in Appendix F, in the section on laboratory standardization. All biological samples must be analyzed in a laboratory that is proficient in the analysis of that particular analyte, under paragraph (l)(1)(iv). [See Appendix F]. Specifically, under paragraph (l)(1)(iv), the employer is to assure that the collecting and handling of biological samples of cadmium in urine (CdU), cadmium in blood (CdB), and beta-2 microglobulin in urine ($ß_2$-M) taken from employees is collected in a manner that assures reliability. The employer must also assure that analysis of biological samples of cadmium in urine (CdU), cadmium in blood (CdB), and beta-2 microglobulin in urine ($ß_2$-M) taken from employees is performed in laboratories with demonstrated proficiency for that particular analyte. (See Appendix F.)

3. Lung and Prostrate Cancer

The primary sites for cadmium-associated cancer appear to be the lung and the prostate (L-140-50). Evidence for an association between cancer and cadmium exposure derives from both epidemiological studies and animal experiments. Mortality from prostrate cancer associated with cadmium is slightly elevated in several industrial cohorts, but the number of cases is small and there is not clear dose-response relationship. More substantive evidence exists for lung cancer.

The major epidemiological study of lung cancer was conducted by Thun et al., (Ex. 4-68). Adequate data on cadmium exposures were available to allow evaluation of dose-response relationships between cadmium exposure and lung cancer. A statistically significant excess of lung cancer attributed to cadmium exposure was observed in this study even when confounding variables such as co-exposure to arsenic and smoking habits were taken into consideration (Ex. L-140-50).

The primary evidence for quantifying a link between lung cancer and cadmium exposure from animal studies derives from two rat bioassay studies; one by Takenaka et al., (1983), which is a study of cadmium chloride and a second study by Oldiges and Glaser (1990) of four cadmium compounds.

Based on the above cited studies, the U.S. Environmental Protection Agency (EPA) classified cadmium as "B1", a probable human carcinogen, in 1985 (Ex. 4-4). The International Agency for Research on Cancer (IARC) in 1987 also recommended that cadmium be listed as "2A", a probable human carcinogen (Ex. 4- 15). The American Conference of Governmental Industrial Hygienists (ACGIH) has recently recommended that cadmium be labeled as a carcinogen. Since 1984, NIOSH has concluded that cadmium is possibly a human carcinogen and has recommended that exposures be controlled to the lowest level feasible.

4. Non-carcinogenic Effects

Acute pneumonitis occurs 10 to 24 hours after initial acute inhalation of high levels of cadmium fumes with symptoms such as fever and chest pain (Exs. 30, 8-86B). In extreme exposure cases pulmonary edema may develop and cause death several days after exposure. Little actual exposure measurement data is available on the level of airborne cadmium exposure that causes such immediate adverse lung effects, nonetheless, it is reasonable to believe a cadmium

concentration of approximately 1 mg/m3 over an eight hour period is "immediately dangerous" (55 FR 4052, ANSI; Ex. 8-86B).

In addition to acute lung effects and chronic renal effects, long term exposure to cadmium may cause other severe effects on the respiratory system. Reduced pulmonary function and chronic lung disease indicative of emphysema have been observed in workers who have had prolonged exposure to cadmium dust or fumes (Exs. 4-29, 4-22, 4-42, 4-50, 4-63). In a study of workers conducted by Kazantzis et al., a statistically significant excess of worker deaths due to chronic bronchitis was found, which in his opinion was directly related to high cadmium exposures of 1 mg/m3 or more (Tr. 6/8/90, pp. 156-157).

Cadmium need not be respirable to constitute a hazard. Inspirable cadmium particles that are too large to be respirable but small enough to enter the tracheobronchial region of the lung can lead to bronchoconstriction, chronic pulmonary disease, and cancer of that portion of the lung. All of these diseases have been associated with occupational exposure to cadmium (Ex. 8- 86B). Particles that are constrained by their size to the extra-thoracic regions of the respiratory system such as the nose and maxillary sinuses can be swallowed through mucocillary clearance and be absorbed into the body (ACGIH, Ex. 8-692). The impaction of these particles in the upper airways can lead to anosmia, or loss of sense of smell, which is an early indication of overexposure among workers exposed to heavy metals. This condition is commonly reported among cadmium-exposed workers (Ex. 8-86-B).

APPENDIX D

I. SUBSTANCE IDENTIFICATION INORGANIC LEAD

A Substance: Pure lead (Pb) is a heavy metal at room temperature and pressure and is a basic chemical element. It can combine with various other substances to form numerous lead compounds.

B Compounds covered by the standard: The word "lead" when used in this standard means elemental lead, all inorganic lead compounds and a class of organic lead compounds called lead soaps. This standard does not apply to other organic lead compounds.

C Uses: Exposure to lead occurs in several different occupations in the construction industry, including demolition or salvage of structures where lead or lead-containing materials are present; removal or encapsulation of lead-containing materials, new construction, alteration, repair, or renovation of structures that contain lead or materials containing lead; installation of products containing lead. In addition, there are construction related activities where exposure to lead may occur, including transportation, disposal, storage, or containment of lead or materials containing lead on construction sites, and maintenance operations associated with construction activities.

D Permissible exposure: The permissible exposure limit (PEL) set by the standard is 50 micrograms of lead per cubic meter of air (50 µg/m3) averaged over an 8-hour workday.

E Action level: The standard establishes an action level of 30 micrograms of lead per cubic meter of air (30 µg/m3) averaged over an 8-hour workday. The action level triggers several ancillary provisions of the standard such as exposure monitoring, medical surveillance, and training.

II. HEALTH HAZARD DATA

A Ways in which lead enters your body. When absorbed into your body in certain doses, lead is a toxic substance. The object of the lead standard is to prevent absorption of harmful quantities of lead. The standard is intended to protect you not only from the immediate toxic effects of lead, but also from the serious toxic effects that may not become apparent until years of exposure have passed. Lead can be absorbed into your body by inhalation (breathing) and ingestion (eating). Lead (except for certain organic lead compounds not covered by the standard, such as tetraethyl lead) is not absorbed through your skin. When lead is scattered in the air as a dust, fume or mist it can be inhaled and absorbed through your lungs and upper respiratory tract. Inhalation of airborne lead is generally the most important source of occupational lead absorption. You can also absorb lead through your digestive system if lead gets into your mouth and is swallowed. If you handle food, cigarettes, chewing tobacco, or make-up which have lead on them or handle them with hands contaminated with lead, this will contribute to ingestion. A significant portion of the lead that you inhale or ingest gets into your blood stream. Once in your blood stream, lead is circulated throughout your body and stored in various organs and body tissues. Some of this lead is quickly filtered out of your body and excreted, but some remains in the blood and other tissues. As exposure to lead continues, the amount stored in your body will increase if you are absorbing more lead than your body is excreting. Even though you may not be aware of any immediate symptoms of disease, this lead stored in your tissues can be slowly causing irreversible damage, first to individual cells, then to your organs and whole body systems.

B Effects of overexposure to lead.

1. Short term (acute) overexposure. Lead is a potent, systemic poison that serves no known useful function once absorbed by your body. Taken in large enough doses, lead can kill you in a matter of days. A condition affecting the brain called acute encephalopathy may arise which develops quickly to seizures, coma, and death from cardiorespiratory arrest. A short term dose of lead can lead to acute encephalopathy. Short term occupational exposures of this magnitude are highly unusual, but not impossible. Similar forms of encephalopathy may, however, arise from extended, chronic exposure to lower doses of lead. There is no sharp dividing line between rapidly developing acute effects of lead, and chronic effects which take longer to acquire. Lead

adversely affects numerous body systems, and causes forms of health impairment and disease which arise after periods of exposure as short as days or as long as several years.

2. Long-term (chronic) overexposure. Chronic overexposure to lead may result in severe damage to your blood-forming, nervous, urinary and reproductive systems. Some common symptoms of chronic overexposure include loss of appetite, metallic taste in the mouth, anxiety, constipation, nausea, pallor, excessive tiredness, weakness, insomnia, headache, nervous irritability, muscle and joint pain or soreness, fine tremors, numbness, dizziness, hyperactivity and colic. In lead colic there may be severe abdominal pain. Damage to the central nervous system in general and the brain (encephalopathy) in particular is one of the most severe forms of lead poisoning. The most severe, often fatal, form of encephalopathy may be preceded by vomiting, a feeling of dullness progressing to drowsiness and stupor, poor memory, restlessness, irritability, tremor, and convulsions. It may arise suddenly with the onset of seizures, followed by coma, and death. There is a tendency for muscular weakness to develop at the same time. This weakness may progress to paralysis often observed as a characteristic "wrist drop" or "foot drop" and is a manifestation of a disease to the nervous system called peripheral neuropathy. Chronic overexposure to lead also results in kidney disease with few, if any, symptoms appearing until extensive and most likely permanent kidney damage has occurred. Routine laboratory tests reveal the presence of this kidney disease only after about two-thirds of kidney function is lost. When overt symptoms of urinary dysfunction arise, it is often too late to correct or prevent worsening conditions, and progression to kidney dialysis or death is possible. Chronic overexposure to lead impairs the reproductive systems of both men and women. Overexposure to lead may result in decreased sex drive, impotence and sterility in men. Lead can alter the structure of sperm cells raising the risk of birth defects. There is evidence of miscarriage and stillbirth in women whose husbands were exposed to lead or who were exposed to lead themselves. Lead exposure also may result in decreased fertility, and abnormal menstrual cycles in women. The course of pregnancy may be adversely affected by exposure to lead since lead crosses the placental barrier and poses risks to developing fetuses. Children born of parents either one of whom were exposed to excess lead levels are more likely to have birth defects, mental retardation, behavioral disorders or die during the first year of childhood. Overexposure to lead also disrupts the blood-forming system resulting in decreased hemoglobin (the substance in the blood that carries oxygen to the cells) and ultimately anemia. Anemia is characterized by weakness, pallor and fatigability as a result of decreased oxygen carrying capacity in the blood.

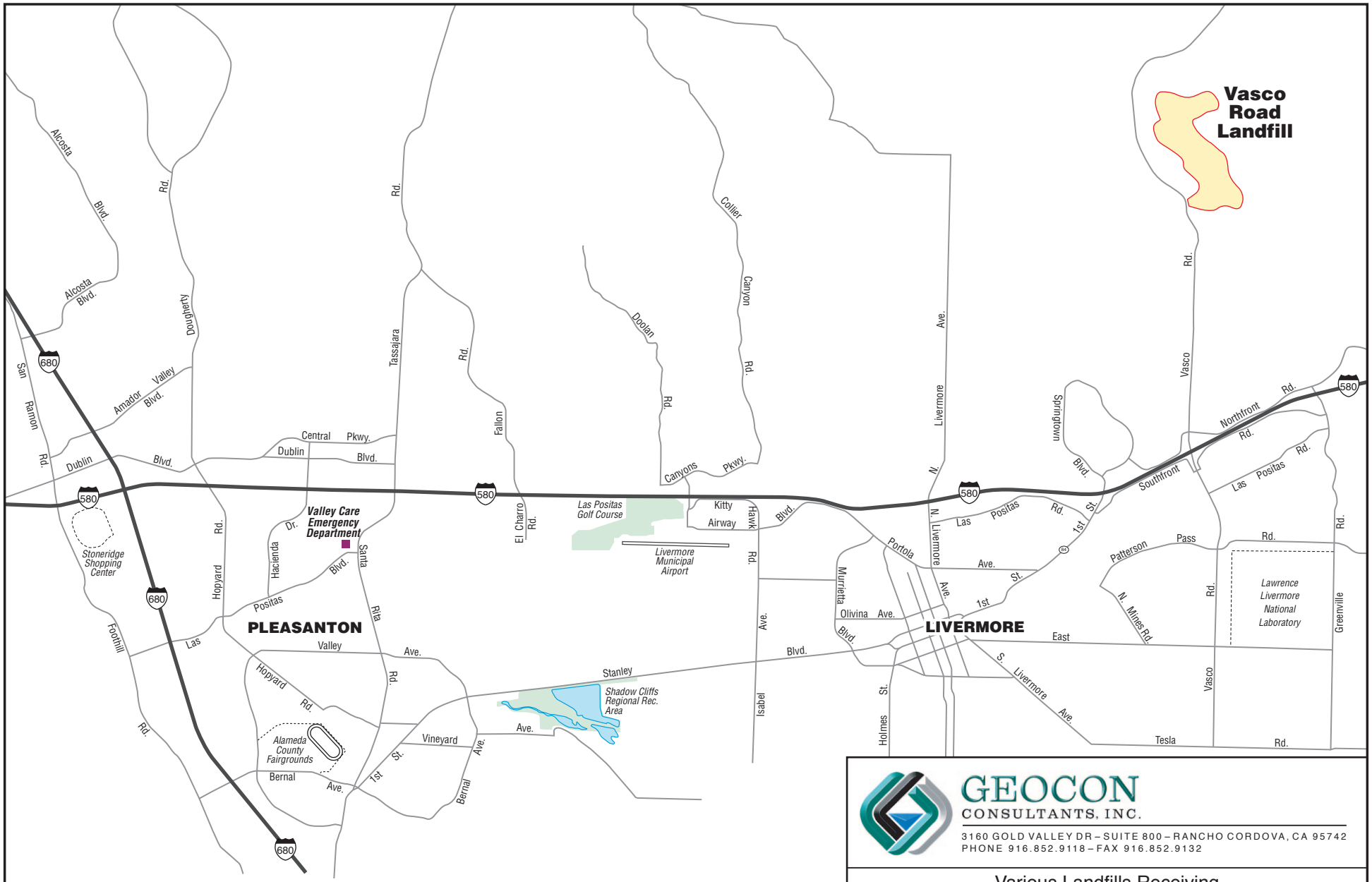
3. Exposure to lead throughout a working lifetime requires that a worker's blood lead level (BLL, also expressed as PbB) be maintained at or below forty micrograms per deciliter of whole blood (40 µg/dl). The blood lead levels of workers (both male and female workers) who intend to have children should be maintained below 30 µg/dl to minimize adverse reproductive health effects to the parents and to the developing fetus. The measurement of your blood lead level (BLL) is the most useful indicator of the amount of lead being absorbed by your body. Blood lead levels are most often reported in units of milligrams (mg) or micrograms (ug) of lead (1 mg=1000 mg) per 100 grams (100g), 100 milliliters (100 ml) or deciliter (dl) of blood. These three units are essentially the same. Sometime BLLs are expressed in the form of mg% or mg%. This is a shorthand notation for 100g, 100 ml, or dl. (Reference to BLL measurements in this standard are expressed in the form of µg/dl.)

   BLL measurements show the amount of lead circulating in your blood stream, but do not give any information about the amount of lead stored in your various tissues. BLL measurements merely show current absorption of lead, not the effect that lead is having on your body or the effects that past lead exposure may have already caused. Past research into lead-related diseases, however, has focused heavily on associations between BLLs and various diseases. As a result, your BLL is an important indicator of the likelihood that you will gradually acquire a lead-related health impairment or disease.

Once your blood lead level climbs about 40 µg/dl, your risk of disease increases. There is a wide variability of individual response to lead, thus it is difficult to say that a particular BLL in a given person will cause a particular effect. Studies have associated fatal encephalopathy with BLLs as low as 150 µg/dl. Other studies have shown other forms of diseases in some workers with BLLs well below 80 µg/dl. Your BLL is a crucial indicator of the risks to your health, but one other factor is also extremely important. This factor is the length of time you have had elevated BLLs. The longer you have an elevated BLL, the greater the risk that large quantities of lead are being gradually stored in your organs and tissues (body burden). The greater your overall body burden, the greater the chances of substantial permanent damage. The best way to prevent all forms of lead-related impairments and diseases -- both short term and long term -- is to maintain your BLL below 40 µg/dl. The provisions of the standard are designed with this end in mind.

Your employer has prime responsibility to assure that the provisions of the standard are complied with both by the company and by individual workers. You, as a worker, however, also have a responsibility to assist your employer in complying with the standard. You can play a key role in protecting your own health by learning about the lead hazards and their control, learning what the standard requires, following the standard where it governs your own actions, and seeing that your employer complies with provisions governing his or her actions.

4. Reporting signs and symptoms of health problems. You should immediately notify your employer if you develop signs or symptoms associated with lead poisoning or if you desire medical advice concerning the effects of current or past exposure to lead or your ability to have a healthy child. You should also notify your employer if you have difficulty breathing during a respirator fit test or while wearing a respirator. In each of these cases, your employer must make available to you appropriate medical examinations or consultations. These must be provided at no cost to you and at a reasonable time and place. The standard contains a procedure whereby you can obtain a second opinion by a physician of your choice if your employer selected the initial physician.



GEOCON CONSULTANTS, INC.

3160 GOLD VALLEY DR – SUITE 800 – RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 – FAX 916.852.9132

Various Landfills Receiving
Metal Shredding Waste Statewide

Multiple Locations, California

Vicinity Map – Vasco Road Landfill

S9850-03-21A	June 2017	Figure 1

APPENDIX B

GEOCON CONSULTANTS, INC.
3160 Gold Valley Dr, Ste 800
Rancho Cordova, CA 95742
Ph: 916.852.9118
Fax: 916.852.9132
GEOCON

FIELD PROJECT LOG

Date: 8/21/17 P2
Day of Week: Mon
Page: 1 of 1

Type of Work: ☐ Drilling ☐ Soil Sampling ☐ Groundwater Sampling ☒ Other: Landfill Air Monitoring

PROJECT NAME: DTSC Vasco Road	PROJECT NO: 59850-03-21A	
PROJECT MANAGER: J. Ewert	Client: DTSC	Contractor:
HEALTH & SAFETY MEETING: ☐	WEATHER: Clear, Solar Eclipse	Field Tech/Author: C. Dennis

Start Mileage: 198,086

0600 Prep, load trucks.
0630 Mobilize to Site.
0900 Arrive onsite, meet with Diana Ratto, check sample locations. Locations must be relocated slightly due to lack of access and soil moving activities.
1030 Begin setting up equipment.
1400 Site visit by John Mugge and Teresa (DTSC), observe locations 1 and 2.
1445 DTSC reps leave site, continue equipment setup.
1530 Finish equipment setup, begin calibration and media installation.
1830 Begin 1st round of sampling.
1930 Demobilize.
2000 Stop work.

-1800: Julio Esquivel stop work.

End Mileage: 198,239 CD
JE 340,493.340780 = 273

NAME:	HOURS:	NAME:	HOURS:	MILEAGE:
C. Dennis	14	J. Esquivel	12	153

GEOCON CONSULTANTS, INC.
3160 Gold Valley Dr, Ste 800
Rancho Cordova, CA 95742
Ph: 916.852.9118
Fax: 916.852.9132
GEOCON

FIELD PROJECT LOG

Date: 8/22/13
Day of Week: Tues
Page: 1 of 1

Type of Work: ☐ Drilling ☐ Soil Sampling ☐ Groundwater Sampling ☒ Other: Landfill Air Monitoring

PROJECT NAME: DTSC Vasco Road	PROJECT NO: 59850-03-21A	
PROJECT MANAGER: J. Ewert	Client: DTSC	Contractor:
HEALTH & SAFETY MEETING: ☐	WEATHER: Clear	Field Tech/Author: C. Denning

Start Mileage: 198,367

0600 Mobilize to Site.
0630 Arrive onsite, check equipment, fuel generators
0730 Demobilize.
0800 Stop work.
→1300-1430 Mobilize to site, check equipment, demobilize.

1730 Mobilize to Site.
1800 Arrive onsite, begin sample changeover.
2030 Finish sample changeover and generator fueling, demobilize.
2100 Stop work.

End Mileage: 198,396

NAME: C. Denning	HOURS: 7	NAME:	HOURS:	MILEAGE: 29

GEOCON CONSULTANTS, INC.
3160 Gold Valley Dr, Ste 800
Rancho Cordova, CA 95742
Ph: 916.852.9118
Fax: 916.852.9132
GEOCON

FIELD PROJECT LOG

Date: 8/23/24
Day of Week: Weds
Page: 1 of 1

Type of Work: ☐ Drilling ☐ Soil Sampling ☐ Groundwater Sampling ☒ Other: Landfill Air Monitoring

PROJECT NAME: DTSC Vasco Road	PROJECT NO: 59850-03-21A	
PROJECT MANAGER: Josh Enerff	Client: DTSC	Contractor:
HEALTH & SAFETY MEETING: ☐	WEATHER: Clear	Field Tech/Author: C. Dennis

Start Mileage: 198,396

0630-0800 Mobilize to Site, check equipment, demobilize, Stop work.

1100 Mobilize to Site.
1130 Arrive onsite, fuel generators, talk with Diana Ratto to obtain weigh tickets for shredder waste deliveries Monday through Friday morning* take photos, collect GPS coordinates for original sample locations, final sample locations, working landfill face and truck dumping areas. Demobilize, fuel, print COCs, etc...
1530 Stop work.

1800 Mobilize to Site.
1830 Arrive onsite, fuel generators, collect GPS coordinates, collect sample media. Fix broken weather meter.
2030 Demobilize.
2100 Stop work.

* At John Mugge's request.

End Mileage: 198,475

NAME: C. Dennis	HOURS: 9	NAME:	HOURS:	MILEAGE: 79

GEOCON CONSULTANTS, INC.
3160 Gold Valley Dr, Ste 800
Rancho Cordova, CA 95742
Ph: 916.852.9118
Fax: 916.852.9132
GEOCON

FIELD PROJECT LOG

Date: 8/24/15
Day of Week: Thurs
Page: 1 of 1

Type of Work: ☐ Drilling ☐ Soil Sampling ☐ Groundwater Sampling ☒ Other: Landfill Air Monitoring

PROJECT NAME: DTSC Vasco Road	PROJECT NO: 59850-03-21A	
PROJECT MANAGER: Josh Ewert	Client: DTSC	Contractor:
HEALTH & SAFETY MEETING: ☐	WEATHER: Clear	Field Tech/Author: C. Denning

Start Mileage: 198,475-198,508

0700 Mobilize to Site, fuel generators, begin third sampling run, Site housekeeping.
1000 Demobilize.
1030 Stop work.

1500 Mobilize to Site.
Arrive onsite, check equipment, fuel generators.
Attempt to download data from Wilbur 0088.
Unable to access the Wilbur's hard drive.
Unable to download run data.
1730 Demobilize.
1800 Stop work.

2200 Mobilize to site, check equipment, demobilize.
2330 Stop work.

End Mileage: 198,582-198,660

NAME:	HOURS:	NAME:	HOURS:	MILEAGE:
C. Denning	8			74

GEOCON CONSULTANTS, INC.
3160 Gold Valley Dr, Ste 800
Rancho Cordova, CA 95742
Ph: 916.852.9118
Fax: 916.852.9132
GEOCON

FIELD PROJECT LOG

Date: 8/25/16
Day of Week: Fri
Page: 1 of 1

Type of Work: ☐ Drilling ☐ Soil Sampling ☐ Groundwater Sampling ☒ Other: Landfill Air Monitoring

PROJECT NAME: DTSC Vasco Road		PROJECT NO: 59850-03-21A
PROJECT MANAGER: Josh Ewert	Client: DTSC	Contractor:
HEALTH & SAFETY MEETING: ☐	WEATHER: Clear	Field Tech/Author: C. Dennis

Start Mileage: 198,660

0730 Mobilize to Site.
0800 Arrive onsite, collect samples, break down and pack equipment, collect shredder waste weigh ticket list, move generators to administration parking area.
1300 Demobilize to Geocon.
1530 Arrive at Geocon, unload, talk w/ Josh, prep for Simi Valley.
1730 Stop work.

Total: 6AM - 3PM, 9 hrs.
340,968 - 341,200 = 232 miles

End Mileage: 198,767
+ 232

NAME:	HOURS:	NAME:	HOURS:	MILEAGE:
C. Dennis	10	J. Esquivel	9	107

APPENDIX C

TE-5170V Sampler Calibration Worksheet
(Using G-Factor)

Site and Calibration Information

Site		Calibration Orifice	
Location:	VRL1	Make:	Tisch Environmental
Date:	Aug 21, 2017	Model:	TE-5170V
Tech.:	Cord Dennig	Serial:	3030
Sampler:	TE-5170V	Qa Slope (m):	1.02641
Serial #:	P10336TSP/2429	Qa Int (b):	-0.01418
VFC G-Factor:	0.0854513900	Calibration due date:	06/12/17

Ambient Conditions

Temp (deg F):	76.0		
Ta (deg K):	297	Barometric Press (in Hg):	29.00
Ta (deg C):	24.4	Pa (mm Hg):	736.6

Calibration Information

Run Number	Orifice "H2O	Qa m3/min	Sampler "H2O	Pf mm Hg	Po/Pa	Calculated m3/min	% of Diff
1	3.80	1.221	5.60	10.451	0.986	1.284	5.16
2	3.60	1.188	9.10	16.983	0.977	1.272	6.98
3	3.60	1.188	16.80	31.353	0.957	1.245	4.80
4	3.40	1.155	32.00	59.721	0.919	1.193	3.20
5	1.60	0.797	32.00	59.721	0.919	1.193	49.69

Calculate Total Air Volume Using G-Factor

Enter Average Temperature During Sampling Duration (Deg F)	78.00
Average Temperature During Sampling Duration (Deg K)	298.56
Enter Average Barometric Pressure During Sampling Duration (In Hg)	29.02
Average Barometric Pressure During Sampling (mm Hg)	737.11
Enter Clean Filter Sampler Inches of Water	22.10
Enter Dirty Filter Sampler Inches of Water	25.20
Average Filter Sampler (mm Hg)	44.14
Enter Total Runtime in Hours (xx.xx)	24.00
Po/Pa :	0.940
Calculated Flow Rate (m3/min):	1.224
Total Flow (m3):	1762.02

Calculations

Calibrator Flow (Qa) = 1/Slope*(SQRT(H20*(Ta/Pa))-Intercept)

Pressure Ratio (Po/Pa) = 1-Pf/Pa

% Difference = (Look Up Flow-Calibrator Flow)/Calibrator Flow*100

NOTE: Ensure calibration orifice has been certified within 12 months of use

TE-5170V Sampler Calibration Worksheet
(Using G-Factor)

Site and Calibration Information

Site		Calibration Orifice	
Location:	VRL2	Make:	Tisch Environmental
Date:	Aug 21, 2017	Model:	TE-5170V
Tech.:	Cord Dennig	Serial:	3030
Sampler:	TE-5170V	Qa Slope (m):	1.02641
Serial #:	P10347TSP/2558	Qa Int (b):	-0.01418
VFC G-Factor:	0.0912963600	Calibration due date:	06/12/17

Ambient Conditions

Temp (deg F):	78.0		
Ta (deg K):	299	Barometric Press (in Hg):	29.02
Ta (deg C):	25.6	Pa (mm Hg):	737.1

Calibration Information

Run Number	Orifice "H2O	Qa m3/min	Sampler "H2O	Pf mm Hg	Po/Pa	Calculated m3/min	% of Diff
1	4.00	1.254	5.80	10.824	0.985	1.292	3.11
2	3.60	1.190	8.20	15.303	0.979	1.284	7.90
3	3.20	1.123	14.80	27.621	0.963	1.261	12.29
4	3.00	1.088	30.00	55.988	0.924	1.208	11.03
5	1.80	0.846	32.00	59.721	0.919	1.201	42.10

Calculate Total Air Volume Using G-Factor

Enter Average Temperature During Sampling Duration (Deg F)	78.00
Average Temperature During Sampling Duration (Deg K)	298.56
Enter Average Barometric Pressure During Sampling Duration (In Hg)	29.02
Average Barometric Pressure During Sampling (mm Hg)	737.11
Enter Clean Filter Sampler Inches of Water	21.70
Enter Dirty Filter Sampler Inches of Water	24.90
Average Filter Sampler (mm Hg)	43.48
Enter Total Runtime in Hours (xx.xx)	24.00
Po/Pa :	0.941
Calculated Flow Rate (m3/min):	1.232
Total Flow (m3):	1773.44

Calculations

Calibrator Flow (Qa) = 1/Slope*(SQRT(H20*(Ta/Pa))-Intercept)

Pressure Ratio (Po/Pa) = 1-Pf/Pa

% Difference = (Look Up Flow-Calibrator Flow)/Calibrator Flow*100

NOTE: Ensure calibration orifice has been certified within 12 months of use

TE-5170V Sampler Calibration Worksheet
(Using G-Factor)

Site and Calibration Information

Site		Calibration Orifice	
Location:	VRL3	Make:	Tisch Environmental
Date:	Aug 21, 2017	Model:	TE-5170V
Tech.:	Cord Dennig	Serial:	3030
Sampler:	TE-5170V	Qa Slope (m):	1.02641
Serial #:	P10333TSP/0809	Qa Int (b):	-0.01418
VFC G-Factor:	0.0855424600	Calibration due date:	06/12/17

Ambient Conditions

Temp (deg F):	78.0		
Ta (deg K):	299	Barometric Press (in Hg):	29.02
Ta (deg C):	25.6	Pa (mm Hg):	737.1

Calibration Information

Run Number	Orifice "H2O	Qa m3/min	Sampler "H2O	Pf mm Hg	Po/Pa	Calculated m3/min	% of Diff
1	4.00	1.254	5.80	10.824	0.985	1.286	2.55
2	3.80	1.223	8.60	16.050	0.978	1.276	4.34
3	3.60	1.190	16.20	30.234	0.959	1.250	4.96
4	3.40	1.157	32.00	59.721	0.919	1.195	3.28
5	1.60	0.798	32.00	59.721	0.919	1.195	49.74

Calculate Total Air Volume Using G-Factor

Enter Average Temperature During Sampling Duration (Deg F)	78.00
Average Temperature During Sampling Duration (Deg K)	298.56
Enter Average Barometric Pressure During Sampling Duration (In Hg)	29.02
Average Barometric Pressure During Sampling (mm Hg)	737.11
Enter Clean Filter Sampler Inches of Water	22.80
Enter Dirty Filter Sampler Inches of Water	25.10
Average Filter Sampler (mm Hg)	44.70
Enter Total Runtime in Hours (xx.xx)	24.00
Po/Pa :	0.939
Calculated Flow Rate (m3/min):	1.223
Total Flow (m3):	1760.68

Calculations

Calibrator Flow (Qa) = 1/Slope*(SQRT(H20*(Ta/Pa))-Intercept)

Pressure Ratio (Po/Pa) = 1-Pf/Pa

% Difference = (Look Up Flow-Calibrator Flow)/Calibrator Flow*100

NOTE: Ensure calibration orifice has been certified within 12 months of use

TE-5170V Sampler Calibration Worksheet
(Using G-Factor)

Site and Calibration Information

Site		Calibration Orifice	
Location:	VRL5	Make:	Tisch Environmental
Date:	Aug 21, 2017	Model:	TE-5170V
Tech.:	Cord Dennig	Serial:	3030
Sampler:	TE-5170V	Qa Slope (m):	1.02641
Serial #:	P10346TSP/1182	Qa Int (b):	-0.01418
VFC G-Factor:	0.0905756300	Calibration due date:	06/12/17

Ambient Conditions

Temp (deg F):	78.0		
Ta (deg K):	299	Barometric Press (in Hg):	29.02
Ta (deg C):	25.6	Pa (mm Hg):	737.1

Calibration Information

Run Number	Orifice "H2O	Qa m3/min	Sampler "H2O	Pf mm Hg	Po/Pa	Calculated m3/min	% of Diff
1	4.40	1.314	7.00	13.064	0.982	1.287	-2.05
2	4.00	1.254	9.30	17.356	0.976	1.279	2.07
3	3.60	1.190	18.60	34.713	0.953	1.247	4.79
4	3.40	1.157	32.00	59.721	0.919	1.201	3.72
5	1.70	0.822	32.00	59.721	0.919	1.201	45.97

Calculate Total Air Volume Using G-Factor

Enter Average Temperature During Sampling Duration (Deg F)	78.00
Average Temperature During Sampling Duration (Deg K)	298.56
Enter Average Barometric Pressure During Sampling Duration (In Hg)	29.02
Average Barometric Pressure During Sampling (mm Hg)	737.11
Enter Clean Filter Sampler Inches of Water	22.10
Enter Dirty Filter Sampler Inches of Water	25.00
Average Filter Sampler (mm Hg)	43.95
Enter Total Runtime in Hours (xx.xx)	24.00
Po/Pa :	0.940
Calculated Flow Rate (m3/min):	1.230
Total Flow (m3):	1770.99

Calculations

Calibrator Flow (Qa) = 1/Slope*(SQRT(H20*(Ta/Pa))-Intercept)

Pressure Ratio (Po/Pa) = 1-Pf/Pa

% Difference = (Look Up Flow-Calibrator Flow)/Calibrator Flow*100

NOTE: Ensure calibration orifice has been certified within 12 months of use

APPENDIX D

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	2	
Source	D 12500	
Sampling Method	Event Bit	
Device	M 687	
	VRL2-PM10	

Sample Summary	Filter ID	Site ID	S/N	Min Tamb	Max Tamb	Avg Tamb	Start Tamb	End Tamb	Min Pamb	Max Pamb	Avg Pamb	Start Pamb	End Pamb	Total Sample Time	Volume	Max CV	Max Tdiff	Avg Flow Rate LPM	Min Tf	Max Tf	Avg Tf	Start Date	Start Time	Sample Warning
08/22/2017 18:55:12	220424913	4020110	76	12.19999	31.09999	21.64999	20.8	26.3	733.40002	736	734.70001	733.70001	734.40002	24	24.00093	0.19241	2.89999	16.66731	10.5	31.3	20.9	8212017	1855	0
08/23/2017 19:50:10	220424899	4020210	76	12.29999	29.89999	21.09999	22.59999	18.89999	731.90002	734.60003	733.25	734.5	732.30004	24	24.00116	0.19062	2.6	16.66747	10.8	30	20.4	8222017	1950	0
08/25/2017 08:45:10	220424953	4020310	76	10.59999	27.3	18.94999	14.59999	16.39999	729.90002	733.10003	731.5	731.70001	731.10003	23.99972	24.00007	0.17269	3	16.66691	9.3	27.09999	18.19999	8242017	845	0

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	2	
Source	D 12500	
Sampling Method	Event Bit	
Device	M 687	
	VRL5-PM10	

Sample Summary	Filter ID	Site ID	S/N	Min Tamb	Max Tamb	Avg Tamb	Start Tamb	End Tamb	Min Pamb	Max Pamb	Avg Pamb	Start Pamb	End Pamb	Total Sample Time	Volume	Max CV	Max Tdiff	Avg Flow Rate LPM	Min Tf	Max Tf	Avg Tf	Start Date	Start Time	Sample Warning
08/22/2017 18:55:11	220424908	4050110	79	12.7	32.09999	22.4	21.5	27.1	733.5	736.20001	734.84997	733.70001	734.39996	24	24.00155	0.27233	2.8	16.66774	11.2	32.5	21.85	8212017	1855	0
08/25/2017 08:45:10	220424956	4050310	79	11.1	28.3	19.69999	15.1	17	730.5	733.09997	731.79998	732.09997	732.09997	24.00027	23.99996	0.20267	3.8	16.66645	9.3	26.8	18.05	8242017	845	0

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	2	
Source	D 12500	
Sampling Method	Event Bit	
Device	M 687	
	VRL1-PM10	

Sample Summary	Filter ID	Site ID	S/N	Min Tamb	Max Tamb	Avg Tamb	Start Tamb	End Tamb	Min Pamb	Max Pamb	Avg Pamb	Start Pamb	End Pamb	Total Sample Time	Volume	Max CV	Max Tdiff	Avg Flow Rate LPM	Min Tf	Max Tf	Avg Tf	Start Date	Start Time	Sample Warning
08/22/2017 18:35:11	220424904	4010110	85	15.4	35.4	25.4	24.4	29.9	730.5	733.79998	732.15002	730.59997	732.19995	24.00027	24.00161	0.1766	3.8	16.66759	14.2	36.7	25.45	8212017	1835	0
08/23/2017 19:35:10	220424902	4010210	85	15.5	34.59999	25.05	26.3	23.3	729.79998	732.19995	731	732	729.89996	24	24.00116	0.18551	3.69999	16.66747	15.1	36.7	25.9	8222017	1935	0
08/25/2017 08:17:11	220424963	4010310	85	13.9	31.6	22.75	17.8	17.9	727.09997	730.59997	728.84997	727.79998	728.19995	24.00027	24.00087	0.18988	4	16.66707	10.9	30.7	20.8	8242017	817	0

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	2	
Source	D 12500	
Sampling Method	Event Bit	
Device	M 687	
	VRL3-PM10	

Sample Summary	Filter ID	Site ID	S/N	Min Tamb	Max Tamb	Avg Tamb	Start Tamb	End Tamb	Min Pamb	Max Pamb	Avg Pamb	Start Pamb	End Pamb	Total Sample Time	Volume	Max CV	Max Tdiff	Avg Flow Rate LPM	Min Tf	Max Tf	Avg Tf	Start Date	Start Time	Sample Warning
08/22/2017 19:05:10	220424906	4030110	88	13.8	32.3	23.05	22.4	26.3	727.79998	730.59997	729.19995	728.59997	728.70001	23.99972	24.0005	0.15777	3.29999	16.66721	13.09999	33.19999	23.14999	8212017	1905	0
08/23/2017 19:55:11	220424897	4030210	88	13.3	30.6	21.95	23.3	19.3	726.59997	729.39996	728	729.29998	727.29998	24.00027	24.00125	0.14514	3.89999	16.66734	13.19999	32.39999	22.8	8222017	1955	0
08/25/2017 09:05:10	220424958	4030310	88	11.4	28.3	19.85	15.7	16.6	725.5	727.70001	726.59997	727.39996	726.70001	24	24.0017	0.21648	3.69999	16.66785	11.39999	29.3	20.34999	8242017	905	0

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	1	
Source	D 12000	
Sampling Method	Event Bit	
Device	M 972	
	VRL2-PM10	

Date and Time	Qvol Avg	Qvol max	Qvol min	Pa Avg	Pa Max	Pa Min	Tfilter Avg	Tfilter Max	Tfilter Min	Tamb Avg	Tamb Max	Tamb Min	Press Avg	Press Max	Press Min	Tvar Avg	Tvar Max	Tvar Min	Flow Total	Flow CV	Sample Time	Filter ID	Site ID	Unit S/N
08/21/2017 16:39:14	13.37393	16.70644	0	748.0816	748.20001	747.89996	23.84986	24	23.7	23.19792	23.3	23	7.1593	9.08822	0	0.65193	0.9	0.4	24.31189	0	23.99972	220297485	30302010	76
08/21/2017 16:44:14	0	0	0	735.84704	736	735.79998	28.76292	28.9	28.7	25.42888	25.9	25	49.27774	190.04918	6.12346	3.33404	3.7	2.9	24.31189	0	23.99972	220297485	30302010	76
08/21/2017 16:49:14	0	0	0	735.84704	736	735.79998	28.76292	28.9	28.7	25.42888	25.9	25	49.27774	190.04918	6.12346	3.33404	3.9	0.09999	24.31189	1.083	23.99972	220297485	30302010	76
08/21/2017 16:54:14	5.47549	18.2797	0	734.79345	736	733	27.1517	28.7	25.09999	25.45304	25.89999	24.8	9.86169	19.92205	6.17888	2.02271	3.9	0.09999	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 16:59:14	0.72873	18.3213	0	733.15582	733.20001	733.10003	25.10335	25.19999	25	25.50367	25.89999	24.99999	6.88028	19.97746	6.17888	0.40704	0.8	0	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:04:14	0	0	0	733.2984	733.40002	733.20001	25.06309	25.09999	25	25.3456	25.89999	24.99999	6.27661	6.37283	6.20659	0.31471	0.8	0	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:09:14	0	0	0	733.40002	733.40002	733.40002	25.03356	25.09999	25	25.01141	25.3	24.89999	6.32104	6.40054	6.23429	0.08523	0.3	0	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:14:14	0	0	0	733.40002	733.40002	733.40002	24.69463	25	24.5	24.92613	25.09999	24.69999	6.35499	6.45596	6.262	0.2315	0.4	0	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:19:14	0	0	0	733.45068	733.5	733.40002	24.61743	24.69999	24.5	24.97717	25.49999	24.49999	6.42314	6.45596	6.34513	0.36644	0.9	0.1	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:24:14	0	0	0	733.60308	733.70001	733.60003	24.69329	24.69999	24.59999	24.68523	24.99999	24.39999	6.42741	6.45596	6.37283	0.17583	0.3	0	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:29:14	0	0	0	733.70404	733.80004	733.60003	24.70334	24.9	24.59999	24.60473	24.89999	24.39999	6.39682	6.45596	6.34513	0.19661	0.3	0	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:34:14	0	0	0	733.72113	733.80004	733.70001	24.70669	24.9	24.69999	24.50678	24.8	24.3	6.38567	6.45596	6.31742	0.20662	0.5	0	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:39:14	0	0	0	733.74969	733.80004	733.70001	24.70671	24.9	24.69999	24.27383	24.8	23.89999	6.41803	6.48367	6.34513	0.43959	0.8	0	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:44:14	0	0	0	733.74969	733.80004	733.70001	24.70671	24.9	24.69999	24.27383	24.8	23.89999	6.41803	6.48367	6.34513	0.43959	0.8	0	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:49:14	0	0	0	733.75476	733.80004	733.70001	24.69999	24.69999	24.69999	24.38665	24.8	23.89999	6.46889	6.51138	6.40054	0.32006	0.8	0	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:54:14	0	0	0	733.80206	733.90002	733.80004	24.58925	24.69999	24.5	23.31877	23.8	22.99999	6.50356	6.51138	6.45596	1.27048	1.6	0.9	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 17:59:14	0	0	0	733.80206	733.90002	733.80004	24.58925	24.69999	24.5	23.31877	23.8	22.99999	6.50356	6.51138	6.45596	1.27048	1.6	0.9	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 18:04:14	0	0	0	733.80004	733.80004	733.80004	24.48994	24.59999	24.4	22.83758	23.19999	22.59999	6.48842	6.53908	6.42825	1.65235	1.9	1.3	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 18:09:14	0	0	0	733.79699	733.80004	733.70001	24.34967	24.5	24.09999	22.69058	22.89999	22.49999	6.50552	6.53908	6.42825	1.65908	1.9	1.4	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 18:14:14	0	0	0	733.62921	733.70001	733.60003	23.88926	24	23.8	22.02012	22.3	21.89999	6.54271	6.5945	6.51138	1.86914	2.1	1.5	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 18:19:14	0	0	0	733.60101	733.70001	733.60003	23.59264	23.8	23.5	21.93289	21.99999	21.8	6.54326	6.62221	6.51138	1.65975	1.8	1.5	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 18:24:14	0	0	0	733.60101	733.70001	733.60003	23.59264	23.8	23.5	21.93289	21.99999	21.8	6.54326	6.62221	6.51138	1.65975	1.7	1.4	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 18:29:14	0	0	0	733.67987	733.70001	733.60003	23.34565	23.5	23.19999	21.82953	21.99999	21.69999	6.52337	6.53908	6.45596	1.51611	1.7	1.4	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 18:34:14	0	0	0	733.70605	733.80004	733.70001	23.10269	23.3	22.9	21.55237	21.8	21.3	6.51016	6.5945	6.45596	1.55031	1.8	1.3	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 18:39:14	0	0	0	733.60003	733.60003	733.60003	22.553	22.69999	22.3	21.23624	21.3	21.19999	6.66247	6.67762	6.5945	1.31675	1.4	1.1	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 18:44:14	0	0	0	733.60437	733.70001	733.60003	22.22282	22.5	22.09999	21.16979	21.3	20.89999	6.61979	6.67762	6.51138	1.05303	1.3	0.9	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 18:49:14	0	0	0	733.67352	733.70001	733.60003	22.02954	22.09999	21.9	21.14631	21.19999	20.89999	6.57116	6.64991	6.48367	0.88322	1.1	0.7	24.31284	0	23.99972	220297485	30302010	76
08/21/2017 18:54:14	0	0	0	733.60937	733.70001	733.60003	21.61654	22	21.4	21.06739	21.19999	20.8	6.57236	6.64991	6.48367	0.54915	1.1	0.3	24.31284	0	23.99972	220424913	4020110	76
08/21/2017 18:59:14	0	0	0	733.60937	733.70001	733.60003	21.61654	22	21.4	21.06739	21.19999	20.8	6.57236	6.64991	6.48367	0.54915	1.1	0.3	0.06921	0	0.07027	220424913	4020110	76
08/21/2017 19:04:14	13.58587	16.69501	0	733.7218	733.80004	733.60003	21.08926	21.4	20.8	20.78479	20.89999	20.69999	22.13823	25.90698	6.37283	0.30447	0.6	0.1	0.15258	0	0.15361	220424913	4020110	76
08/21/2017 19:09:14	16.67335	16.69775	16.64939	733.81109	733.90002	733.80004	20.54163	20.8	20.4	20.55904	20.8	20.3	25.85137	25.96239	25.76843	0.0832	0.2	0	0.23595	0.04118	0.23694	220424913	4020110	76
08/21/2017 19:14:14	16.6743	16.69182	16.64939	733.74835	733.80004	733.70001	20.24899	20.4	20.09999	20.35695	20.59999	20.19999	26.04102	26.21176	25.85156	0.12676	0.3	0	0.31932	0.05995	0.32027	220424913	4020110	76
08/21/2017 19:19:14	16.67407	16.69325	16.65609	733.6795	733.70001	733.60003	19.72278	19.8	19.59999	20.10605	20.19999	19.99999	26.17551	26.26718	26.04551	0.38326	0.6	0.19999	0.40269	0	0.40388	220424913	4020110	76
08/21/2017 19:24:14	16.6738	16.68802	16.65861	733.62353	733.70001	733.60003	19.53957	19.59999	19.5	20.1174	20.19999	19.99999	26.25507	26.35031	26.15635	0.57783	0.69999	0.4	0.48606	0.01863	0.48722	220424913	4020110	76
08/21/2017 19:29:14	16.6738	16.68802	16.65861	733.62353	733.70001	733.60003	19.53957	19.59999	19.5	20.1174	20.19999	19.99999	26.25507	26.35031	26.15635	0.57783	0.69999	0.4	0.56944	0	0.57027	220424913	4020110	76
08/21/2017 19:34:14	16.67431	16.69341	16.6577	733.80004	733.80004	733.80004	19.1698	19.3	19.09999	19.94701	19.99999	19.69999	26.18931	26.26718	26.10093	0.77721	0.9	0.5	0.65281	0.04113	0.65388	220424913	4020110	76
08/21/2017 19:39:14	16.67431	16.69341	16.6577	733.80004	733.80004	733.80004	19.1698	19.3	19.09999	19.94701	19.99999	19.69999	26.18931	26.26718	26.10093	0.77721	0.9	0.5	0.73618	0.10069	0.73694	220424913	4020110	76
08/21/2017 19:44:14	16.67581	16.68986	16.65278	733.6889	733.70001	733.60003	18.94632	19	18.9	19.47851	19.69999	19.3	26.39577	26.51655	26.26718	0.53219	0.69999	0.39999	0.81956	0.06365	0.82055	220424913	4020110	76
08/21/2017 19:49:14	16.67505	16.69886	16.65301	733.59497	733.70001	733.5	18.77914	18.9	18.59999	19.34963	19.39999	18.99999	26.49473	26.59968	26.40572	0.57049	0.8	0.3	0.90293	0	0.90388	220424913	4020110	76
08/21/2017 19:54:14	16.67505	16.69886	16.65301	733.59497	733.70001	733.5	18.77914	18.9	18.59999	19.34963	19.39999	18.99999	26.49473	26.59968	26.40572	0.57049	0.8	0.3	0.9863	0.0184	0.98694	220424913	4020110	76
08/21/2017 19:59:14	16.67443	16.69016	16.66463	733.7517	733.80004	733.70001	18.4463	18.5	18.3	18.95974	18.99999	18.89999	26.42805	26.57197	26.29489	0.51344	0.59999	0.39999	1.06968	0	1.07055	220424913	4020110	76
08/21/2017 20:04:14	16.67443	16.69016	16.66463	733.7517	733.80004	733.70001	18.4463	18.5	18.3	18.95974	18.99999	18.89999	26.42805	26.57197	26.29489	0.51344	0.59999	0.39999	1.15305	0.04098	1.15361	220424913	4020110	76
08/21/2017 20:09:14	16.6756	16.69016	16.66082	733.74438	733.80004	733.70001	18.34031	18.4	18.09999	18.81952	18.89999	18.69999	26.4847	26.62739	26.37801	0.47921	0.7	0.3	1.23643	0	1.23694	220424913	4020110	76
08/21/2017 20:14:14	16.67677	16.69148	16.66082	733.63623	733.70001	733.60003	18.09322	18.4	18	18.73286	18.8	18.69999	26.60974	26.6828	26.51655	0.63963	0.8	0.3	1.31981	0.04092	1.32027	220424913	4020110	76
08/21/2017 20:19:14	16.67632	16.69148	16.65842	733.67382	733.70001	733.60003	17.91611	18	17.9	18.47859	18.69999	18.3	26.63071	26.71051	26.54426	0.56247	0.8	0.4	1.40318	0	1.40361	220424913	4020110	76
08/21/2017 20:24:14	16.673	16.69162	16.6496	733.70001	733.70001	733.70001	17.75562	17.9	17.5	18.07435	18.39999	17.8	26.67194	26.79363	26.59968	0.31872	0.59999	0.09999	1.48654	0.02271	1.48694	220424913	4020110	76
08/21/2017 20:29:14	16.67402	16.69163	16.65347	733.80206	733.90002	733.80004	17.28585	17.4	17.19999	17.62344	17.69999	17.49999	26.56157	26.6828	26.46113	0.33758	0.4	0.19999	1.56991	0	1.57055	220424913	4020110	76
08/21/2017 20:34:14	16.67402	16.69163	16.65347	733.80206	733.90002	733.80004	17.28585	17.4	17.19999	17.62344	17.69999	17.49999	26.56157	26.6828	26.46113	0.33758	0.4	0.19999	1.65328	0.04074	1.65361	220424913	4020110	76
08/21/2017 20:39:14	16.67409	16.69153	16.65591	733.84466	733.90002	733.80004	17.14964	17.19999	16.9	17.30546	17.49999	17.19999	26.61667	26.73821	26.51655	0.15581	0.4	0.1	1.73665	0	1.73722	220424913	4020110	76
08/21/2017 20:44:14	16.67409	16.69153	16.65591	733.90002	733.90002	733.90002	16.85637	17.09999	16.69999	17.1564	17.19999	16.99999	26.57421	26.73821	26.43343	0.30002	0.4	0.1	1.82003	0.00899	1.82027	220424913	4020110	76
08/21/2017 20:49:14	16.67614	16.69018	16.65591	733.94464	734	733.90002	16.61877	16.8	16.5	17.00669	17.09999	16.89999	26.60144	26.71051	26.54426	0.38791	0.5	0.19999	1.90342	0.0407	1.90361	220424913	4020110	76
08/21/2017 20:54:14	16.6763	16.69018	16.65339	733.98993	734	733.90002	16.4329	16.59999	16.19999	16.96708	16.99999	16.69999	26.61754	26.71051	26.54426	0.53417	0.8	0.39999	1.98679	0.04065	1.98694	220424913	4020110	76
08/21/2017 20:59:14	16.67485	16.69244	16.65184	733.90002	733.90002	733.90002	16.03222	16.19999	15.9	16.50273	16.59999	16.39999	26.77111	26.84905	26.6828	0.47051	0.69999	0.3	2.07017	0.04065	2.07055	220424913	4020110	76
08/21/2017 21:04:14	16.67485	16.69244	16.65184	733.90002	733.90002	733.90002	16.03222	16.19999	15.9	16.50273	16.59999	16.39999	26.77111	26.84905	26.6828	0.47051	0.69999	0.3	2.15354	0.01381	2.15361	220424913	4020110	76
08/21/2017 21:09:14	16.67586	16.69744	16.65184	733.90203	734	733.90002	15.80941	16	15.69999	16.45232	16.59999	16.39999	26.77282	26.84905	26.6828	0.64291	0.9	0.39999	2.23692	0.00495	2.23694	220424913	4020110	76
08/21/2017 21:14:14	16.67511	16.69884	16.65823	733.93762	734	733.90002	15.62819	15.9	15.5	16.51679	16.59999	16.39999	26.76798	26.82134	26.6828	0.88859	1.09999	0.59999	2.32028	0.08123	2.32027	220424913	4020110	76
08/21/2017 21:19:14	16.67409	16.69244	16.66072	733.99395	734	733.90002	15.4664	15.5	15.4	16.40933	16.59999	16.3	26.77596	26.84905	26.71051	0.94293	1.09999	0.8	2.40365	0.03157	2.40361	220424913	4020110	76
08/21/2017 21:24:14	16.67636	16.68851	16.65791	734.00335	734.10003	734	15.29572	15.4	15.09999	16.20583	16.3	15.99999	26.79249	26.90446	26.6828	0.91011	1.2	0.69999	2.48703	0	2.48694	220424913	4020110	76
08/21/2017 21:29:14	16.67352	16.69061	16.66	734	734	734	14.91947	15	14.8	15.70604	15.79999	15.49999	26.8524	26.95988	26.76592	0.78657	0.9	0.59999	2.57039	0.08627	2.57055	220424913	4020110	76
08/21/2017 21:34:14	16.67352	16.69061	16.66	734	734	734	14.91947	15	14.8	15.70604	15.79999	15.49999	26.8524	26.95988	26.76592	0.78657	0.9	0.59999	2.65374	0	2.65361	220424913	4020110	76
08/21/2017 21:39:14	16.67493	16.69006	16.65853	734.04199	734.20001	734	14.65972	14.8	14.5	15.36307	15.49999	15.19999	26.89658	26.98759	26.76592	0.70335	0.99999	0.4	2.73712	0.03148	2.73722	220424913	4020110	76
08/21/2017 21:44:14	16.6748	16.69246	16.652	734.15173	734.20001	734.10003	14.44293	14.5	14.4	15.22278	15.29999	15.09999	26.88082	26.98759	26.76592	0.77985	0.89999	0.69999	2.82049	0.04045	2.82055	220424913	4020110	76
08/21/2017 21:49:14	16.6748	16.69246	16.652	734.15173	734.20001	734.10003	14.44293	14.5	14.4	15.22278	15.29999	15.09999	26.88082	26.98759	26.76592	0.77985	0.89999	0.69999	2.90384	0.00541	2.90361	220424913	4020110	76
08/21/2017 21:54:14	16.6743	16.69737	16.66184	734.2091	734.30004	734.20001	14.30934	14.5	14.19999	15.08324	15.19999	14.89999	26.83732	26.95988	26.71051	0.7739	0.9	0.6	2.9872	0	2.98694	220424913	4020110	76
08/21/2017 21:59:14	16.67448	16.6894	16.65289	734.22961	734.30004	734.20001	13.92885	14.09999	13.8	14.81612	14.89999	14.69999	26.90679	26.98759	26.82134	0.88727	1.1	0.6	3.07057	0	3.07055	220424913	4020110	76
08/21/2017 22:04:14	16.67278	16.69176	16.66031	734.22625	734.30004	734.20001	13.79997	13.9	13.69999	14.69663	14.69999	14.59999	26.92826	26.98759	26.84905	0.89666	1	0.8	3.15393	0.0404	3.15388	220424913	4020110	76
08/21/2017 22:09:14	16.67278	16.69176	16.66031	734.22625	734.30004	734.20001	13.79997	13.9	13.69999	14.69663	14.69999	14.59999	26.92826	26.98759	26.84905	0.89666	1	0.8	3.23729	0	3.23694	220424913	4020110	76
08/21/2017 22:14:14	16.67486	16.68785	16.66031	734.20806	734.30004	734.20001	13.65971	13.8	13.59999	14.63286	14.69999	14.59999	26.95029	27.01529	26.87676	0.97314	1.1	0.8	3.32065	0.00899	3.32027	220424913	4020110	76
08/21/2017 22:19:14	16.67591	16.69917	16.65388	734.20202	734.30004	734.20001	13.31664	13.5	13.19999	14.61005	14.69999	14.49999	26.9436	27.01529	26.87676	1.29341	1.5	0.99999	3.40401	0	3.40388	220424913	4020110	76
08/21/2017 22:24:14	16.67591	16.69917	16.65388	734.20202	734.30004	734.20001	13.31664	13.5	13.19999	14.61005	14.69999	14.49999	26.9436	27.01529	26.87676	1.29341	1.5	0.99999	3.48739	0.10921	3.48694	220424913	4020110	76
08/21/2017 22:29:14	16.67463	16.69664	16.64493	734.30102	734.40002	734.30004	13.08989	13.1	13	14.54629	14.59999	14.29999	26.94185	27.01529	26.87676	1.45639	1.6	1.19999	3.57077	0	3.57055	220424913	4020110	76
08/21/2017 22:34:14	16.67484	16.69664	16.65469	734.30102	734.40002	734.30004	13.08989	13.1	13	14.54629	14.59999	14.29999	26.94185	27.01529	26.87676	1.45639	1.69999	1.39999	3.65415	0.01184	3.65388	220424913	4020110	76
08/21/2017 22:39:14	16.67484	16.69664	16.65469	734.30004	734.30004	734.30004	13.01338	13.1	12.9	14.55636	14.59999	14.29999	26.94464	27.07071	26.84905	1.54297	1.69999	1.39999	3.73752	0.04934	3.73694	220424913	4020110	76
08/21/2017 22:44:14	16.67461	16.69664	16.64338	734.35156	734.40002	734.30004	12.94038	13.1	12.9	14.51579	14.59999	14.29999	26.93554	27.01529	26.84905	1.57541	2	1.59999	3.82089	0.01742	3.82027	220424913	4020110	76

08/21/2017 22:49:14	16.6748	16.70309	16.65136	734.3031	734.40002	734.30004	12.84609	12.9	12.69999	14.62022	14.69999	14.49999	26.94477	27.043	26.84905	1.77413	2	1.59999	3.90426	0.00899	3.90361	220424913	4020110	76
08/21/2017 22:54:14	16.67435	16.70619	16.65779	734.3031	734.40002	734.30004	12.77882	12.9	12.69999	14.86158	15.09999	14.59999	26.94028	27.043	26.84905	2.08276	2.4	1.69999	3.98764	0	3.98694	220424913	4020110	76
08/21/2017 22:59:14	16.67573	16.70128	16.65679	734.37378	734.40002	734.30004	12.74515	12.9	12.69999	15.11546	15.19999	14.89999	26.92909	26.98759	26.82134	2.37031	2.5	2	4.071	0	4.07027	220424913	4020110	76
08/21/2017 23:04:14	16.67516	16.69485	16.66082	734.30004	734.30004	734.30004	12.82124	12.9	12.69999	15.20908	15.29999	15.09999	27.00886	27.07071	26.90446	2.38783	2.6	2.19999	4.15438	0.04046	4.15388	220424913	4020110	76
08/21/2017 23:09:14	16.67516	16.69485	16.66082	734.30004	734.30004	734.30004	12.82124	12.9	12.69999	15.20908	15.29999	15.09999	27.00886	27.07071	26.90446	2.38783	2.6	2.19999	4.23775	0	4.23694	220424913	4020110	76
08/21/2017 23:14:14	16.67386	16.68651	16.66231	734.30004	734.30004	734.30004	12.90337	13	12.9	15.31676	15.49999	15.19999	27.02846	27.09842	26.95988	2.41339	2.59999	2.3	4.32111	0.04046	4.32055	220424913	4020110	76
08/21/2017 23:19:14	16.67386	16.68651	16.66231	734.30004	734.30004	734.30004	12.90337	13	12.9	15.31676	15.49999	15.19999	27.02846	27.09842	26.95988	2.41339	2.59999	2.3	4.40447	0.03187	4.40361	220424913	4020110	76
08/21/2017 23:24:14	16.67289	16.68993	16.65931	734.31012	734.40002	734.30004	12.97743	13.1	12.9	15.19572	15.29999	14.89999	27.0192	27.09842	26.95988	2.21828	2.39999	1.9	4.48782	0.04043	4.48722	220424913	4020110	76
08/21/2017 23:29:14	16.67289	16.68993	16.65931	734.31012	734.40002	734.30004	12.97743	13.1	12.9	15.19572	15.29999	14.89999	27.0192	27.09842	26.95988	2.21828	2.39999	1.9	4.57117	0	4.57027	220424913	4020110	76
08/21/2017 23:34:14	16.67571	16.71189	16.66016	734.39257	734.40002	734.30004	12.99327	13.1	12.9	14.71918	14.89999	14.59999	27.06314	27.12613	26.98759	1.7259	1.9	1.6	4.65454	0.04038	4.65388	220424913	4020110	76
08/21/2017 23:39:14	16.67571	16.71189	16.66016	734.39257	734.40002	734.30004	12.99327	13.1	12.9	14.71918	14.89999	14.59999	27.06314	27.12613	26.98759	1.7259	1.7	1.3	4.7379	0.00899	4.73694	220424913	4020110	76
08/21/2017 23:44:14	16.6746	16.70152	16.65469	734.3374	734.40002	734.30004	12.98316	13	12.9	14.5755	14.69999	14.29999	27.08806	27.20925	27.01529	1.59233	1.7	1.3	4.82127	0.02297	4.82027	220424913	4020110	76
08/21/2017 23:49:14	16.67665	16.70226	16.65704	734.40002	734.40002	734.40002	12.8764	13	12.69999	14.19999	14.29999	14.09999	27.08888	27.18154	27.01529	1.32358	1.5	1.19999	4.90465	0	4.90388	220424913	4020110	76
08/21/2017 23:54:14	16.67693	16.70226	16.65704	734.40002	734.40002	734.40002	12.79226	12.9	12.69999	14.20676	14.29999	14.19999	27.09785	27.18154	27.01529	1.41449	1.6	1.3	4.98803	0.04031	4.98722	220424913	4020110	76
08/21/2017 23:59:14	16.67613	16.68862	16.66348	734.333	734.40002	734.30004	12.7202	12.9	12.69999	14.28991	14.49999	14.19999	27.12141	27.23696	27.043	1.56971	1.8	1.3	5.07139	0.02297	5.07055	220424913	4020110	76
08/22/2017 00:04:14	16.67667	16.70152	16.65469	734.30004	734.30004	734.30004	12.66969	12.69999	12.5	14.39858	14.59999	14.19999	27.16787	27.26467	27.043	1.72888	2.1	1.5	5.15476	0	5.15388	220424913	4020110	76
08/22/2017 00:09:14	16.67667	16.70152	16.65469	734.30004	734.30004	734.30004	12.66969	12.69999	12.5	14.39858	14.59999	14.19999	27.16787	27.26467	27.043	1.72888	2.1	1.5	5.23813	0.00561	5.23694	220424913	4020110	76
08/22/2017 00:14:14	16.67482	16.69664	16.65469	734.30004	734.30004	734.30004	12.57984	12.69999	12.5	14.52691	14.59999	14.29999	27.17452	27.26467	27.09842	1.94707	2.1	1.6	5.32152	0.02297	5.32027	220424913	4020110	76
08/22/2017 00:19:14	16.67709	16.70797	16.65469	734.30004	734.30004	734.30004	12.51815	12.69999	12.5	14.31011	14.59999	14.19999	27.17846	27.29238	27.07071	1.79196	2.1	1.6	5.40491	0.01734	5.40361	220424913	4020110	76
08/22/2017 00:24:14	16.67623	16.69993	16.65469	734.33203	734.40002	734.30004	12.47305	12.5	12.4	14.3269	14.49999	14.19999	27.17539	27.26467	27.09842	1.85384	2	1.7	5.48829	0	5.48722	220424913	4020110	76
08/22/2017 00:29:14	16.67623	16.69993	16.65469	734.33203	734.40002	734.30004	12.47305	12.5	12.4	14.3269	14.49999	14.19999	27.17539	27.26467	27.09842	1.85384	2	1.7	5.57166	0.04031	5.57027	220424913	4020110	76
08/22/2017 00:34:14	16.67489	16.69993	16.65956	734.30206	734.40002	734.30004	12.44275	12.5	12.3	14.2394	14.29999	14.19999	27.19192	27.32009	27.12613	1.79664	2	1.7	5.65502	0.04031	5.65361	220424913	4020110	76
08/22/2017 00:39:14	16.67371	16.69187	16.65153	734.34112	734.40002	734.30004	12.32354	12.5	12.3	13.91905	14.09999	13.69999	27.2501	27.34779	27.15383	1.5955	1.69999	1.3	5.73838	0.04023	5.73722	220424913	4020110	76
08/22/2017 00:44:14	16.67371	16.69187	16.65153	734.34112	734.40002	734.30004	12.32354	12.5	12.3	13.91905	14.09999	13.69999	27.2501	27.34779	27.15383	1.5955	1.69999	1.3	5.82176	0	5.82027	220424913	4020110	76
08/22/2017 00:49:14	16.67592	16.69989	16.65476	734.31585	734.40002	734.30004	12.27981	12.3	12.1	13.62926	13.69999	13.59999	27.30722	27.40321	27.20925	1.34944	1.6	1.3	5.90513	0.04023	5.90361	220424913	4020110	76
08/22/2017 00:54:14	16.67566	16.69989	16.65959	734.30004	734.30004	734.30004	12.18545	12.3	12.1	13.53604	13.59999	13.39999	27.33687	27.45862	27.26467	1.35058	1.5	1.1	5.98849	0.04019	5.98694	220424913	4020110	76
08/22/2017 00:59:14	16.67529	16.69823	16.65795	734.30004	734.30004	734.30004	12.037	12.1	12	13.37979	13.59999	13.29999	27.37269	27.45862	27.29238	1.34279	1.5	1.19999	6.07186	0	6.07055	220424913	4020110	76
08/22/2017 01:04:14	16.67557	16.7143	16.65629	734.30004	734.30004	734.30004	11.9865	12.1	11.9	13.21589	13.29999	12.99999	27.41944	27.51404	27.32009	1.22938	1.39999	1	6.15524	0.08029	6.15388	220424913	4020110	76
08/22/2017 01:09:14	16.67557	16.7143	16.65629	734.30004	734.30004	734.30004	11.9865	12.1	11.9	13.21589	13.29999	12.99999	27.41944	27.51404	27.32009	1.22938	1.39999	1	6.23861	0.04015	6.23694	220424913	4020110	76
08/22/2017 01:14:14	16.67489	16.69991	16.65714	734.15625	734.20001	734.10003	11.8303	11.9	11.8	12.94945	12.99999	12.89999	27.50481	27.56946	27.40321	1.11915	1.19999	1	6.32199	0.04012	6.32055	220424913	4020110	76
08/22/2017 01:19:14	16.67489	16.69991	16.65714	734.15625	734.20001	734.10003	11.8303	11.9	11.8	12.94945	12.99999	12.89999	27.50481	27.56946	27.40321	1.11915	1.19999	1	6.40536	0.03207	6.40361	220424913	4020110	76
08/22/2017 01:24:14	16.67629	16.70216	16.65714	734.17981	734.20001	734.10003	11.79997	11.8	11.69999	12.93701	12.99999	12.89999	27.52663	27.62487	27.45862	1.13703	1.2	1.1	6.48871	0	6.48694	220424913	4020110	76
08/22/2017 01:29:14	16.67211	16.68217	16.67091	734.10003	734.10003	734.10003	11.71679	11.8	11.5	12.90673	12.99999	12.89999	27.53307	27.59716	27.45862	1.18994	1.4	1.1	6.57207	0	6.57027	220424913	4020110	76
08/22/2017 01:34:14	16.67282	16.69117	16.65739	734.05926	734.10003	734	11.5067	11.69999	11.4	12.9101	12.99999	12.89999	27.5507	27.62487	27.48633	1.4034	1.5	1.2	6.65545	0.05726	6.65361	220424913	4020110	76
08/22/2017 01:39:14	16.67687	16.69117	16.65739	734	734	734	11.38653	11.4	11.3	12.98991	13.09999	12.89999	27.59886	27.68029	27.51404	1.60337	1.69999	1.5	6.73882	0.02308	6.73722	220424913	4020110	76
08/22/2017 01:44:14	16.67687	16.69117	16.65739	734	734	734	11.38653	11.4	11.3	12.98991	13.09999	12.89999	27.59886	27.68029	27.51404	1.60337	1.69999	1.5	6.82221	0.02308	6.82027	220424913	4020110	76
08/22/2017 01:49:14	16.67531	16.69117	16.65092	734	734	734	11.34276	11.4	11.19999	12.9495	13.09999	12.89999	27.65818	27.76341	27.54175	1.60674	1.7	1.5	6.90559	0	6.90361	220424913	4020110	76
08/22/2017 01:54:14	16.67586	16.69848	16.65571	733.99798	734	733.90002	11.23703	11.4	11.19999	12.85054	12.89999	12.79999	27.71026	27.81883	27.56946	1.6135	1.7	1.39999	6.98898	0.01703	6.98722	220424913	4020110	76
08/22/2017 01:59:14	16.67586	16.69848	16.65571	733.99798	734	733.90002	11.23703	11.4	11.19999	12.85054	12.89999	12.79999	27.71026	27.81883	27.56946	1.6135	1.8	1.6	7.07234	0.00803	7.07055	220424913	4020110	76
08/22/2017 02:04:14	16.67434	16.69199	16.65571	733.96429	734	733.90002	11.19663	11.19999	11.1	12.88991	12.89999	12.79999	27.7346	27.84653	27.62487	1.69328	1.8	1.6	7.15571	0	7.15361	220424913	4020110	76
08/22/2017 02:09:14	16.67643	16.68722	16.6647	733.90002	733.90002	733.90002	11.19663	11.19999	11.1	12.8663	12.89999	12.79999	27.78102	27.87424	27.68029	1.66967	1.8	1.6	7.23907	0.08029	7.23694	220424913	4020110	76
08/22/2017 02:14:14	16.67548	16.6937	16.65344	733.89459	733.90002	733.80004	11.14274	11.19999	11.1	12.93032	13.09999	12.89999	27.8149	27.87424	27.7357	1.78758	2	1.7	7.32245	0.00808	7.32055	220424913	4020110	76
08/22/2017 02:19:14	16.67548	16.6937	16.65344	733.89459	733.90002	733.80004	11.14274	11.19999	11.1	12.93032	13.09999	12.89999	27.8149	27.87424	27.7357	1.78758	2	1.7	7.40583	0.04019	7.40361	220424913	4020110	76
08/22/2017 02:24:14	16.67515	16.69623	16.65991	733.86566	733.90002	733.80004	11.12017	11.19999	11.1	13.04041	13.09999	12.99999	27.82247	27.90195	27.7357	1.92023	2	1.8	7.4892	0.04016	7.48694	220424913	4020110	76
08/22/2017 02:29:14	16.67609	16.68891	16.65991	733.90002	733.90002	733.90002	11.10673	11.19999	10.9	13.05959	13.09999	12.99999	27.82694	27.90195	27.76341	1.95286	2.19999	1.8	7.57257	0.02307	7.57055	220424913	4020110	76
08/22/2017 02:34:14	16.67489	16.68891	16.65344	733.90203	734	733.90002	11.1034	11.19999	10.9	13.02254	13.09999	12.89999	27.81938	27.90195	27.7357	1.91913	2.09999	1.7	7.65593	0.02306	7.65388	220424913	4020110	76
08/22/2017 02:39:14	16.67489	16.68891	16.65344	733.90203	734	733.90002	11.1034	11.19999	10.9	13.02254	13.09999	12.89999	27.81938	27.90195	27.7357	1.91913	2.09999	1.7	7.73931	0	7.73694	220424913	4020110	76
08/22/2017 02:44:14	16.67651	16.69117	16.65739	733.92968	734	733.90002	11.10235	11.19999	10.9	13.101	13.29999	12.99999	27.82499	27.90195	27.7357	1.99865	2.19999	1.8	7.82269	0.01708	7.82027	220424913	4020110	76
08/22/2017 02:49:14	16.67846	16.69765	16.65739	734	734	734	11.11344	11.19999	10.9	13.03026	13.09999	12.99999	27.82246	27.92966	27.7357	2.03363	2.19999	1.8	7.90606	0.04012	7.90388	220424913	4020110	76
08/22/2017 02:54:14	16.67846	16.69765	16.65739	734	734	734	11.11344	11.19999	10.9	13.03026	13.09999	12.99999	27.82246	27.90195	27.76341	1.91682	2.19999	1.8	7.98943	0.05423	7.98694	220424913	4020110	76
08/22/2017 02:59:14	16.67698	16.69117	16.65739	733.9815	734	733.90002	11.08981	11.19999	10.9	13.02017	13.09999	12.89999	27.83143	27.90195	27.76341	1.93035	2.09999	1.8	8.0728	0.01115	8.07027	220424913	4020110	76
08/22/2017 03:04:14	16.67589	16.69933	16.65739	733.96667	734	733.90002	11.08851	11.19999	10.9	13.05731	13.29999	12.99999	27.84793	27.92966	27.76341	1.9688	2.39999	1.89999	8.15619	0.08034	8.15361	220424913	4020110	76
08/22/2017 03:09:14	16.67637	16.69059	16.65259	733.97442	734.10003	733.90002	11.09329	11.19999	10.9	13.19223	13.29999	13.09999	27.85325	27.92966	27.79112	2.09894	2.39999	2	8.2396	0.03119	8.23722	220424913	4020110	76
08/22/2017 03:14:14	16.67637	16.69059	16.65259	733.97442	734.10003	733.90002	11.09329	11.19999	10.9	13.19223	13.29999	13.09999	27.85325	27.92966	27.79112	2.09894	2.39999	2	8.32302	0	8.32027	220424913	4020110	76
08/22/2017 03:19:14	16.67296	16.69681	16.65006	734.10003	734.10003	734.10003	11.11246	11.19999	10.9	13.25281	13.29999	13.09999	27.82753	27.90195	27.7357	2.14035	2.19999	1.89999	8.40644	0.02308	8.40388	220424913	4020110	76
08/22/2017 03:24:14	16.67296	16.69681	16.65006	734.10003	734.10003	734.10003	11.11008	11.19999	11.1	13.13365	13.29999	12.99999	27.83507	27.90195	27.76341	2.02356	2.19999	1.89999	8.48988	0.04912	8.48694	220424913	4020110	76
08/22/2017 03:29:14	16.67408	16.69513	16.65006	734.10748	734.20001	734.10003	11.1101	11.19999	11.1	13.05955	13.09999	12.99999	27.8258	27.87424	27.70799	1.94946	2	1.8	8.57331	0.06321	8.57027	220424913	4020110	76
08/22/2017 03:34:14	16.67602	16.70386	16.66361	734.20001	734.20001	734.20001	11.11348	11.19999	10.9	12.9764	13.09999	12.89999	27.82023	27.90195	27.7357	1.86292	2	1.7	8.65674	0.04012	8.65361	220424913	4020110	76
08/22/2017 03:39:14	16.67645	16.6909	16.65714	734.17041	734.20001	734.10003	11.11346	11.19999	11.1	12.89999	12.99999	12.79999	27.84236	27.90195	27.76341	1.78654	1.89999	1.69999	8.74018	0.02308	8.73694	220424913	4020110	76
08/22/2017 03:44:14	16.67817	16.69738	16.65714	734.19635	734.20001	734.10003	11.04817	11.1	10.9	12.91008	12.99999	12.89999	27.84205	27.92966	27.79112	1.86192	2.09999	1.8	8.82362	0.10331	8.82055	220424913	4020110	76
08/22/2017 03:49:14	16.67817	16.69738	16.65714	734.19635	734.20001	734.10003	11.04817	11.1	10.9	12.91008	12.99999	12.89999	27.84205	27.92966	27.79112	1.86192	2.09999	1.8	8.90707	0.04013	8.90361	220424913	4020110	76
08/22/2017 03:54:14	16.67813	16.6909	16.66361	734.20001	734.20001	734.20001	11.01251	11.1	10.9	12.91691	13.09999	12.89999	27.87034	27.95737	27.79112	1.90439	2.09999	1.8	8.99052	0.04013	8.98694	220424913	4020110	76
08/22/2017 03:59:14	16.67428	16.6926	16.65234	734.20001	734.20001	734.20001	10.97196	11.1	10.9	13.0191	13.09999	12.89999	27.87845	27.95737	27.79112	2.04714	2.19999	1.89999	9.07393	0.02308	9.07027	220424913	4020110	76
08/22/2017 04:04:14	16.67612	16.69513	16.65234	734.1643	734.20001	734.10003	10.96735	11.1	10.9	12.95049	13.09999	12.89999	27.87032	27.92966	27.79112	1.98314	2.19999	1.8	9.15737	0.02308	9.15361	220424913	4020110	76
08/22/2017 04:09:14	16.67496	16.68865	16.65486	734.10107	734.20001	734.10003	10.91345	11.1	10.9	13.01684	13.09999	12.89999	27.92156	28.04049	27.81883	2.10338	2.19999	1.89999	9.24079	0.04019	9.23694	220424913	4020110	76
08/22/2017 04:14:14	16.67483	16.69513	16.65486	734.09399	734.10003	734	10.94716	11.1	10.9	13.06058	13.09999	12.99999	27.95848	28.04049	27.87424	2.11342	2.19999	1.89999	9.32422	0.00899	9.32027	220424913	4020110	76
08/22/2017 04:19:14	16.67619	16.69933	16.66133	734.02826	734.10003	734	10.95046	11.1	10.8	13.25933	13.39999	12.99999	27.95988	28.04049	27.87424	2.30886	2.5	2.09999	9.40767	0.01716	9.40361	220424913	4020110	76
08/22/2017 04:24:14	16.67388	16.69681	16.66047	734.10205	734.20001	734.10003	10.97881	11.1	10.9	13.32024	13.39999	13.29999	27.93048	28.01278	27.84653	2.34142	2.5	2.19999	9.49109	0.0402	9.48722	220424913	4020110	76
08/22/2017 04:29:14	16.67388	16.69681	16.66047	734.10205	734.20001	734.10003	10.97881	11.1	10.9	13.32024	13.39999	13.29999	27.93048	28.01278	27.84653	2.34142	2.5	2.19999	9.5745	0.029	9.57027	220424913	4020110	76
08/22/2017 04:34:14	16.67392	16.70808	16.65006	734.09564	734.10003	734	11.05962	11.1	10.9	13.22825	13.39999	12.99999	27.96328	28.04049	27.87424	2.16863	2.39999	1.89999	9.65791	0.02308	9.65361	220424913	4020110	76
08/22/2017 04:39:14	16.67457	16.69343	16.65966	734.10003	734.10003	734.10003	11.01586	11.19999	10.9	12.86622	12.99999	12.69999	27.98397	28.04049	27.92966	1.85035	2.09999	1.6	9.74136	0.02309	9.73722	220424913	4020110	76
08/22/2017 04:44:14	16.67457	16.69343	16.65966	734.10003	734.10003	734.10003	11.01586	11.19999	10.9	12.86622	12.99999	12.69999	27.98397	28.04049	27.92966	1.85035	2.09999	1.6	9.82475	0.04011	9.82027	220424913	4020110	76
08/22/2017 04:49:14	16.67488	16.69171	16.65797	734.08587	734.10003	734	10.9855	11.1	10.9	12.7269	12.79999	12.69999	27.99179	28.0682	27.92966	1.7414	1.89999	1.6	9.90817	0.10328	9.90361	220424913	4020110	76
08/22/2017 04:54:14	16.67672	16.70296	16.65454	734.08184	734.10003	734	10.94377	11.1	10.8	12.51477	12.69999	12.29999	28.0013	28.09591	27.92966	1.57099	1.8	1.19999	9.99158	0.04006	9.98694	220424913	4020110	76
08/22/2017 04:59:14	16.67726	16.68998	16.65454	734.10608	734.20001	734.10003	10.88986	10.9	10.8	12.45956	12.49999	12.29999	28.01194	28.09591	27.90195	1.5697	1.69999	1.39999	10.07501	0.04626	10.07055	220424913	4020110	76
08/22/2017 05:04:14	16.67726	16.68998	16.65454	734.10608	734.20001	734.10003	10.88986	10.9	10.8	12.45956	12.49999	12.29999	28.01194	28.09591	27.90195	1.5697	1.69999	1.39999	10.15844	0	10.15361	220424913	4020110	76
08/22/2017 05:09:14	16.67456	16.69221	16.65202	734.18725	734.20001	734.10003	10.80336	10.9	10.8	12.35281	12.49999	12.29999	28.03124	28.12362	27.92966	1.54945	1.69999	1.39999	10.24185	0	10.23722	220424913	4020110	76
08/22/2017 05:14:14	16.67456	16.69221	16.65202	734.18725	734.20001	734.10003	10.80336	10.9	10.8	12.35281	12.49999	12.29999	28.03124	28.12362	27.92966	1.54945	1.69999	1.39999	10.32526	0.04005	10.32027	220424913	4020110	76
08/22/2017 05:19:14	16.67561	16.70123	16.66102	734.14453	734.20001	734.10003	10.77971	10.8	10.6	12.36636	12.49999	12.29999	28.01977	28.15132	27.92966	1.58665	1.89999	1.5	10.40865	0.04626	10.40388	220424913	4020110	76
08/22/2017 05:24:14	16.67561	16.70123	16.66102	734.14453	734.20001	734.10003	10.77971	10.8	10.6	12.36636	12.49999	12.29999	28.01977	28.15132	27.92966	1.58665	1.89999	1.6	10.4921	0.04008	10.48694	220424913	4020110	76
08/22/2017 05:29:14	16.67662	16.68746	16.65374	734.20001	734.20001	734.20001	10.74819	10.8	10.6	12.49326	12.49999	12.39999	27.98873	28.09591	27.92966	1.74506	1.89999	1.6	10.57556	0.04622	10.57027	220424913	4020110	76
08/22/2017 05:34:14	16.67663	16.70044	16.65545	734.20001	734.20001	734.20001	10.71917	10.8	10.6	12.54719	12.69999	12.49999	27.99854	28.12362	27.92966	1.82801	2.1	1.69999	10.65898	0	10.65361	220424913	4020110	76
08/22/2017 05:39:14	16.6755	16.69567	16.65067	734.20001	734.20001	734.20001	10.67978	10.8	10.6	12.74948	12.79999	12.69999	28.03938	28.12362	27.95737	2.06969	2.19999	1.9	10.7424	0.04011	10.73722	220424913	4020110	76

08/22/2017 05:44:14	16.67701	16.70044	16.65374	734.20001	734.20001	734.20001	10.67304	10.8	10.6	12.69655	12.79999	12.49999	28.00493	28.0682	27.92966	2.02351	2.19999	1.69999	10.8258	0.04011	10.82055	220424913	4020110	76
08/22/2017 05:49:14	16.67701	16.70044	16.65374	734.20001	734.20001	734.20001	10.67304	10.8	10.6	12.69655	12.79999	12.49999	28.00493	28.0682	27.92966	2.02351	2.19999	1.69999	10.90924	0	10.90361	220424913	4020110	76
08/22/2017 05:54:14	16.67508	16.68746	16.6495	734.234	734.30004	734.20001	10.68885	10.8	10.6	12.46633	12.49999	12.29999	28.00047	28.09591	27.90195	1.77748	1.89999	1.5	10.99266	0.02311	10.98722	220424913	4020110	76
08/22/2017 05:59:14	16.67508	16.68746	16.6495	734.234	734.30004	734.20001	10.68885	10.8	10.6	12.46633	12.49999	12.29999	28.00047	28.09591	27.90195	1.77748	1.89999	1.5	11.07609	0	11.07027	220424913	4020110	76
08/22/2017 06:04:14	16.6745	16.68746	16.66073	734.20404	734.30004	734.20001	10.67412	10.8	10.6	12.3427	12.49999	12.29999	28.02316	28.09591	27.92966	1.66858	1.89999	1.5	11.15953	0	11.15361	220424913	4020110	76
08/22/2017 06:09:14	16.67423	16.68571	16.66325	734.20202	734.30004	734.20001	10.63937	10.8	10.6	12.30671	12.39999	12.29999	28.06038	28.17903	27.98507	1.66734	1.89999	1.6	11.24296	0.04006	11.23722	220424913	4020110	76
08/22/2017 06:14:14	16.67378	16.69442	16.65677	734.26098	734.30004	734.20001	10.6	10.6	10.6	12.28316	12.29999	12.19999	28.04635	28.15132	27.95737	1.68316	1.69999	1.6	11.3264	0.04006	11.32055	220424913	4020110	76
08/22/2017 06:19:14	16.67378	16.69442	16.65677	734.26098	734.30004	734.20001	10.6	10.6	10.6	12.28316	12.29999	12.19999	28.04635	28.15132	27.95737	1.68316	1.69999	1.6	11.40981	0	11.40361	220424913	4020110	76
08/22/2017 06:24:14	16.67538	16.69189	16.65821	734.39599	734.40002	734.30004	10.6	10.6	10.6	12.35283	12.49999	12.29999	28.02704	28.15132	27.95737	1.75284	1.89999	1.69999	11.4932	0.02313	11.48722	220424913	4020110	76
08/22/2017 06:29:14	16.67538	16.69189	16.65821	734.39599	734.40002	734.30004	10.6	10.6	10.6	12.35283	12.49999	12.29999	28.02704	28.15132	27.95737	1.75284	1.89999	1.69999	11.57656	0	11.57027	220424913	4020110	76
08/22/2017 06:34:14	16.67523	16.69189	16.65569	734.42468	734.5	734.40002	10.59662	10.6	10.5	12.3148	12.49999	12.29999	28.00187	28.09591	27.92966	1.71817	1.89999	1.69999	11.65993	0.02312	11.65388	220424913	4020110	76
08/22/2017 06:39:14	16.67523	16.69189	16.65569	734.42468	734.5	734.40002	10.59662	10.6	10.5	12.3148	12.49999	12.29999	28.00187	28.09591	27.92966	1.71817	1.89999	1.69999	11.74335	0.02313	11.73694	220424913	4020110	76
08/22/2017 06:44:14	16.67642	16.69587	16.65569	734.49762	734.5	734.40002	10.59663	10.6	10.5	12.39094	12.49999	12.29999	28.0265	28.15132	27.90195	1.7943	1.89999	1.69999	11.82679	0.04004	11.82027	220424913	4020110	76
08/22/2017 06:49:14	16.67519	16.69286	16.64789	734.5	734.5	734.5	10.60672	10.69999	10.6	12.62126	12.69999	12.49999	27.99319	28.0682	27.90195	2.01454	2.1	1.8	11.91019	0.08024	11.90388	220424913	4020110	76
08/22/2017 06:54:14	16.67311	16.6881	16.64789	734.5	734.5	734.5	10.66405	10.8	10.6	12.71008	12.79999	12.49999	28.00603	28.12362	27.92966	2.04603	2.19999	1.89999	11.99364	0	11.98722	220424913	4020110	76
08/22/2017 06:59:14	16.67452	16.69682	16.64789	734.52868	734.60003	734.5	10.73942	10.8	10.6	12.77412	12.89999	12.69999	28.00155	28.0682	27.92966	2.0347	2.2	1.9	12.07709	0.0632	12.07055	220424913	4020110	76
08/22/2017 07:04:14	16.67452	16.69682	16.64789	734.52868	734.60003	734.5	10.73942	10.8	10.6	12.77412	12.89999	12.69999	28.00155	28.0682	27.92966	2.0347	2.2	1.9	12.16047	0.04008	12.15361	220424913	4020110	76
08/22/2017 07:09:14	16.67549	16.69206	16.65831	734.60003	734.60003	734.60003	10.87407	10.9	10.8	12.92017	12.99999	12.89999	27.9484	28.0682	27.84653	2.04609	2.19999	2	12.24384	0.04011	12.23722	220424913	4020110	76
08/22/2017 07:14:14	16.67549	16.69206	16.65831	734.60003	734.60003	734.60003	10.87407	10.9	10.8	12.92017	12.99999	12.89999	27.9484	28.0682	27.84653	2.04609	2.19999	2	12.32724	0.01708	12.32027	220424913	4020110	76
08/22/2017 07:19:14	16.67574	16.69376	16.65831	734.60003	734.60003	734.60003	10.9304	11.1	10.8	12.99089	13.09999	12.89999	27.89352	27.98507	27.79112	2.06048	2.19999	1.89999	12.41069	0.04012	12.40361	220424913	4020110	76
08/22/2017 07:24:14	16.67685	16.69124	16.65747	734.69024	734.70001	734.60003	11.11013	11.19999	10.9	13.05728	13.09999	12.99999	27.85212	27.92966	27.76341	1.94715	2.19999	1.8	12.49414	0.07435	12.48694	220424913	4020110	76
08/22/2017 07:29:14	16.67552	16.69687	16.65914	734.76196	734.80004	734.70001	11.23705	11.3	11.19999	13.31008	13.39999	13.29999	27.81825	27.87424	27.7357	2.07302	2.1	2	12.57759	0.04015	12.57055	220424913	4020110	76
08/22/2017 07:34:14	16.67552	16.69687	16.65914	734.76196	734.80004	734.70001	11.23705	11.3	11.19999	13.31008	13.39999	13.29999	27.81825	27.87424	27.7357	2.07302	2.1	2	12.66105	0	12.65361	220424913	4020110	76
08/22/2017 07:39:14	16.67394	16.70082	16.66056	734.87139	734.90002	734.80004	11.45386	11.5	11.4	13.44044	13.59999	13.39999	27.79672	27.87424	27.70799	1.98658	2.1	1.9	12.74447	0.02609	12.73722	220424913	4020110	76
08/22/2017 07:44:14	16.67382	16.68956	16.66056	734.89837	734.90002	734.80004	11.64838	11.8	11.5	13.38438	13.59999	13.29999	27.78471	27.87424	27.68029	1.736	2.1	1.5	12.82792	0	12.82055	220424913	4020110	76
08/22/2017 07:49:14	16.67382	16.68956	16.66056	734.89837	734.90002	734.80004	11.64838	11.8	11.5	13.38438	13.59999	13.29999	27.78471	27.87424	27.68029	1.736	2.1	1.5	12.91138	0	12.90361	220424913	4020110	76
08/22/2017 07:54:14	16.67537	16.68788	16.66056	734.90002	734.90002	734.90002	11.8	11.9	11.69999	13.28651	13.39999	13.09999	27.77464	27.87424	27.68029	1.48651	1.6	1.3	12.99485	0.04018	12.98694	220424913	4020110	76
08/22/2017 07:59:14	16.6767	16.69435	16.6541	734.90002	734.90002	734.90002	11.8	11.8	11.8	13.32362	13.49999	13.29999	27.79976	27.87424	27.70799	1.52362	2.1	1.69999	13.07829	0.03436	13.07055	220424913	4020110	76
08/22/2017 08:04:14	16.67542	16.69602	16.64611	734.90002	734.90002	734.90002	11.82018	11.9	11.8	13.72901	13.89999	13.49999	27.6816	27.79112	27.54175	1.90882	2.1	1.69999	13.16172	0.04031	13.15361	220424913	4020110	76
08/22/2017 08:09:14	16.67524	16.70414	16.65738	734.96099	735	734.90002	11.9247	12.1	11.8	14.11767	14.29999	13.69999	27.59709	27.70799	27.51404	2.19296	2.39999	1.8	13.24516	0	13.23694	220424913	4020110	76
08/22/2017 08:14:14	16.67522	16.71292	16.65967	735	735	735	12.11696	12.3	12	14.59981	14.79999	14.19999	27.55126	27.59716	27.48633	2.48285	2.7	2.19999	13.3286	0.0543	13.32027	220424913	4020110	76
08/22/2017 08:19:14	16.67443	16.70628	16.6505	735.06463	735.10003	735	12.66848	12.9	12.5	15.10914	15.29999	14.79999	27.46762	27.56946	27.34779	2.44066	2.8	2.1	13.41199	0.0404	13.40388	220424913	4020110	76
08/22/2017 08:24:14	16.67443	16.70628	16.6505	735.06463	735.10003	735	12.66848	12.9	12.5	15.10914	15.29999	14.79999	27.46762	27.56946	27.34779	2.44066	2.8	2.1	13.49541	0.02289	13.48694	220424913	4020110	76
08/22/2017 08:29:14	16.6754	16.69004	16.65453	735.01355	735.10003	735	12.98763	13.19999	12.9	15.24613	15.39999	15.09999	27.52971	27.65258	27.43091	2.2585	2.39999	1.99999	13.57885	0.00534	13.57027	220424913	4020110	76
08/22/2017 08:34:14	16.67735	16.69052	16.66484	735.10003	735.10003	735.10003	13.54585	13.8	13.19999	15.56931	15.69999	15.29999	27.42532	27.48633	27.34779	2.02346	2.3	1.69999	13.66229	0.00529	13.65388	220424913	4020110	76
08/22/2017 08:39:14	16.67735	16.69052	16.66484	735.10003	735.10003	735.10003	13.54585	13.8	13.19999	15.56931	15.69999	15.29999	27.42532	27.48633	27.34779	2.02346	2.2	1.69999	13.74574	0.04048	13.73722	220424913	4020110	76
08/22/2017 08:44:14	16.67603	16.69052	16.66035	735.14282	735.20001	735.10003	13.77759	14.09999	13.59999	15.73717	15.89999	15.49999	27.40907	27.45862	27.34779	1.95957	2.2	1.69999	13.82919	0.01765	13.82027	220424913	4020110	76
08/22/2017 08:49:14	16.6746	16.70083	16.6554	735.20001	735.20001	735.20001	14.33471	14.5	14.19999	15.92934	15.99999	15.79999	27.45363	27.56946	27.3755	1.59463	1.8	1.39999	13.9126	0.04048	13.90388	220424913	4020110	76
08/22/2017 08:54:14	16.6746	16.70083	16.6554	735.20001	735.20001	735.20001	14.33471	14.5	14.19999	15.92934	15.99999	15.79999	27.45363	27.56946	27.3755	1.59463	1.8	1.39999	13.99601	0	13.98694	220424913	4020110	76
08/22/2017 08:59:14	16.67596	16.71016	16.6618	735.19598	735.20001	735.10003	14.62229	14.8	14.4	16.35017	16.59999	15.99999	27.38276	27.51404	27.23696	1.72787	1.89999	1.49999	14.07942	0	14.07027	220424913	4020110	76
08/22/2017 09:04:14	16.67607	16.69522	16.65966	735.20001	735.20001	735.20001	15.10457	15.4	14.9	16.565	16.69999	16.39999	27.33405	27.43091	27.23696	1.46043	1.6	1.19999	14.16289	0.04061	14.15388	220424913	4020110	76
08/22/2017 09:09:14	16.67607	16.69522	16.65966	735.20001	735.20001	735.20001	15.10457	15.4	14.9	16.565	16.69999	16.39999	27.33405	27.43091	27.23696	1.46043	1.6	1.19999	14.24632	0.02278	14.23694	220424913	4020110	76
08/22/2017 09:14:14	16.67585	16.69409	16.66353	735.30004	735.30004	735.30004	15.45054	15.59999	15.4	16.65378	16.69999	16.59999	27.28148	27.3755	27.20925	1.20324	1.5	1	14.3298	0	14.32055	220424913	4020110	76
08/22/2017 09:19:14	16.67585	16.69409	16.66353	735.30004	735.30004	735.30004	15.68762	15.9	15.5	17.05804	17.19999	16.59999	27.21121	27.32009	27.12613	1.37042	1.5	1	14.41323	0.04546	14.40361	220424913	4020110	76
08/22/2017 09:24:14	16.6743	16.697	16.64867	735.40307	735.5	735.40002	16.17074	16.3	16.09999	17.49559	17.89999	17.19999	27.12862	27.23696	27.043	1.32485	1.69999	1	14.49665	0.00465	14.48722	220424913	4020110	76
08/22/2017 09:29:14	16.6743	16.697	16.64867	735.40307	735.5	735.40002	16.17074	16.3	16.09999	17.49559	17.89999	17.19999	27.12862	27.23696	27.043	1.32485	1.69999	1	14.58009	0.04537	14.57027	220424913	4020110	76
08/22/2017 09:34:14	16.67353	16.69579	16.64755	735.53534	735.60003	735.5	16.74488	16.9	16.59999	17.91706	18.19999	17.8	27.06762	27.18154	26.95988	1.17218	1.4	0.99999	14.6635	0.01354	14.65388	220424913	4020110	76
08/22/2017 09:39:14	16.67422	16.69839	16.65006	735.51611	735.60003	735.5	17.03566	17.19999	16.8	18.13603	18.3	17.89999	27.0226	27.12613	26.93217	1.10037	1.4	0.8	14.74689	0.01352	14.73722	220424913	4020110	76
08/22/2017 09:44:14	16.67422	16.69839	16.65006	735.51611	735.60003	735.5	17.03566	17.19999	16.8	18.13603	18.3	17.89999	27.0226	27.12613	26.93217	1.10037	1.4	0.8	14.83033	0	14.82027	220424913	4020110	76
08/22/2017 09:49:14	16.67465	16.69839	16.66026	735.60241	735.70001	735.5	17.25495	17.4	17.09999	18.42479	18.8	18.19999	27.00381	27.09842	26.93217	1.16984	1.4	0.9	14.91376	0.04088	14.90361	220424913	4020110	76
08/22/2017 09:54:14	16.67437	16.6945	16.65254	735.61621	735.70001	735.60003	17.47069	17.69999	17.4	18.75286	18.89999	18.69999	26.98227	27.07071	26.90446	1.28217	1.3	0.9	14.9972	0	14.98722	220424913	4020110	76
08/22/2017 09:59:14	16.67476	16.6945	16.66008	735.62829	735.70001	735.60003	18.00779	18.09999	17.9	18.94969	19.3	18.8	26.8948	27.043	26.79363	0.9419	1.2	0.8	15.08064	0.04093	15.07055	220424913	4020110	76
08/22/2017 10:04:14	16.67476	16.6945	16.66008	735.62829	735.70001	735.60003	18.00779	18.09999	17.9	18.94969	19.3	18.8	26.8948	27.043	26.79363	0.9419	1.2	0.8	15.16407	0.02257	15.15361	220424913	4020110	76
08/22/2017 10:09:14	16.67523	16.69557	16.65741	735.70477	735.80004	735.60003	18.30877	18.4	18.09999	19.45492	19.59999	19.3	26.96268	27.043	26.87676	1.14615	1.3	0.9	15.24754	0	15.23694	220424913	4020110	76
08/22/2017 10:14:14	16.67418	16.68904	16.65857	735.77844	735.80004	735.70001	18.5078	18.69999	18.4	19.74925	20.09999	19.49999	26.93832	27.07071	26.84905	1.24145	1.5	1.09999	15.33096	0.00896	15.32027	220424913	4020110	76
08/22/2017 10:19:14	16.67476	16.6965	16.65832	735.82464	735.90002	735.80004	19.1179	19.19999	19	20.01319	20.19999	19.69999	26.95705	27.07071	26.84905	0.89529	1.1	0.69999	15.41438	0.04107	15.40388	220424913	4020110	76
08/22/2017 10:24:14	16.67476	16.6965	16.65832	735.82464	735.90002	735.80004	19.1179	19.19999	19	20.01319	20.19999	19.69999	26.95705	27.07071	26.84905	0.89529	1.09999	0.4	15.49782	0.04106	15.48694	220424913	4020110	76
08/22/2017 10:29:14	16.67497	16.6962	16.64791	735.84515	735.90002	735.80004	19.41551	19.59999	19.19999	20.18428	20.59999	19.99999	26.95287	27.043	26.84905	0.76876	1.09999	0.4	15.58126	0.03749	15.57027	220424913	4020110	76
08/22/2017 10:34:14	16.67698	16.6931	16.65741	735.88116	735.90002	735.80004	19.66501	19.8	19.5	20.64667	21.19999	20.19999	26.92126	27.043	26.76592	0.98166	1.5	0.6	15.66467	0.12371	15.65361	220424913	4020110	76
08/22/2017 10:39:14	16.67479	16.6994	16.65419	735.89599	735.90002	735.80004	19.96179	20.19999	19.8	21.12234	21.39999	20.89999	26.89356	26.98759	26.79363	1.16055	1.4	0.8	15.74808	0.00361	15.73694	220424913	4020110	76
08/22/2017 10:44:14	16.6746	16.69415	16.65569	735.82495	735.90002	735.80004	20.27417	20.4	20.09999	21.25973	21.49999	20.89999	26.93101	27.01529	26.82134	0.98556	1.2	0.69999	15.83152	0.02238	15.82055	220424913	4020110	76
08/22/2017 10:49:14	16.67466	16.69912	16.65867	735.86908	735.90002	735.80004	20.90108	21	20.69999	21.98201	22.3	21.8	26.89911	26.98759	26.82134	1.08093	1.5	0.8	15.91494	0	15.90388	220424913	4020110	76
08/22/2017 10:54:14	16.67466	16.69912	16.65867	735.86908	735.90002	735.80004	20.90108	21	20.69999	21.98201	22.3	21.8	26.89911	26.98759	26.82134	1.08093	1.5	0.8	15.99835	0.00338	15.98694	220424913	4020110	76
08/22/2017 10:59:14	16.67433	16.70007	16.64204	735.86267	735.90002	735.80004	21.54389	21.69999	21.4	22.57497	22.99999	22.3	26.89779	26.98759	26.79363	1.03107	1.4	0.6	16.08178	0.10185	16.07055	220424913	4020110	76
08/22/2017 11:04:14	16.67433	16.70007	16.64204	735.86267	735.90002	735.80004	21.54389	21.69999	21.4	22.57497	22.99999	22.3	26.89779	26.98759	26.79363	1.03107	1.4	0.6	16.1652	0.04147	16.15361	220424913	4020110	76
08/22/2017 11:09:14	16.67616	16.69281	16.65256	735.83703	735.90002	735.80004	22.26854	22.59999	22.09999	22.88793	23.3	22.49999	26.9733	27.09842	26.87676	0.61939	1	0.3	16.24861	0.01333	16.23722	220424913	4020110	76
08/22/2017 11:14:14	16.67616	16.69281	16.65256	735.83703	735.90002	735.80004	22.26854	22.59999	22.09999	22.88793	23.3	22.49999	26.9733	27.09842	26.87676	0.61939	1	0.3	16.33202	0.08297	16.32027	220424913	4020110	76
08/22/2017 11:19:14	16.67548	16.69918	16.64716	735.89093	735.90002	735.80004	22.84161	23.09999	22.69999	23.70028	24.09999	22.99999	26.89886	27.01529	26.79363	0.85866	1.19999	0.3	16.41537	0.01935	16.40388	220424913	4020110	76
08/22/2017 11:24:14	16.67548	16.69918	16.64716	735.89093	735.90002	735.80004	22.84161	23.09999	22.69999	23.70028	24.09999	22.99999	26.89886	27.01529	26.79363	0.85866	1.19999	0.3	16.49858	0.06383	16.48694	220424913	4020110	76
08/22/2017 11:29:14	16.67554	16.7037	16.6559	735.86834	736	735.80004	23.19091	23.4	23.09999	23.76968	24.19999	23.3	26.90924	27.043	26.76592	0.57877	1	0.2	16.58179	0.05059	16.57027	220424913	4020110	76
08/22/2017 11:34:14	16.67553	16.70029	16.64034	735.81964	735.90002	735.80004	23.44245	23.69999	23.19999	24.4457	24.89999	23.89999	26.84486	26.95988	26.73821	1.00325	1.4	0.49999	16.665	0.02855	16.65361	220424913	4020110	76
08/22/2017 11:39:14	16.67603	16.7079	16.65748	735.83703	735.90002	735.80004	23.76609	24	23.5	24.47862	24.89999	24.19999	26.85043	26.95988	26.73821	0.71253	1.19999	0.4	16.7482	0.0835	16.73694	220424913	4020110	76
08/22/2017 11:44:14	16.67567	16.69852	16.65172	735.85998	735.90002	735.80004	24.05165	24.3	23.9	24.95485	25.3	24.69999	26.82278	26.93217	26.71051	0.90321	1.3	0.59999	16.83142	0.0221	16.82027	220424913	4020110	76
08/22/2017 11:49:14	16.67598	16.71241	16.64551	735.87982	735.90002	735.80004	24.37749	24.5	24.09999	25.136	25.59999	24.8	26.80787	26.93217	26.73821	0.7585	1.19999	0.4	16.91463	0.0639	16.90361	220424913	4020110	76
08/22/2017 11:54:14	16.67717	16.70068	16.64759	735.89801	735.90002	735.80004	24.96948	25.09999	24.69999	25.48309	25.69999	25.3	26.89075	26.95988	26.82134	0.51361	0.8	0.2	16.99783	0.02212	16.98722	220424913	4020110	76
08/22/2017 11:59:14	16.67604	16.6965	16.65378	735.89801	735.90002	735.80004	25.21116	25.3	25.09999	25.75034	25.99999	25.3	26.87145	26.95988	26.71051	0.53918	0.9	0.19999	17.08104	0.04187	17.07055	220424913	4020110	76
08/22/2017 12:04:14	16.67604	16.6965	16.65378	735.89801	735.90002	735.80004	25.21116	25.3	25.09999	25.75034	25.99999	25.3	26.87145	26.95988	26.71051	0.53918	0.9	0.19999	17.16425	0	17.15361	220424913	4020110	76
08/22/2017 12:09:14	16.67488	16.70649	16.64766	735.80712	735.90002	735.80004	25.74146	25.8	25.59999	26.2497	26.59999	25.89999	26.87669	26.95988	26.79363	0.50824	0.8	0.09999	17.24746	0.00215	17.23722	220424913	4020110	76
08/22/2017 12:14:14	16.67488	16.70649	16.64766	735.80712	735.90002	735.80004	25.74146	25.8	25.59999	26.2497	26.59999	25.89999	26.87669	26.95988	26.79363	0.50824	0.8	0	17.33067	0.01986	17.32055	220424913	4020110	76
08/22/2017 12:19:14	16.67432	16.70091	16.65014	735.81213	735.90002	735.80004	26.00549	26.19999	25.8	26.35183	26.59999	26.09999	26.87738	26.95988	26.76592	0.34633	0.7	0.09999	17.41388	0.08375	17.40361	220424913	4020110	76
08/22/2017 12:24:14	16.67564	16.70151	16.64824	735.80004	735.80004	735.80004	26.26171	26.4	26.09999	26.57388	26.8	25.99999	26.886	26.98759	26.76592	0.40666	0.7	0.09999	17.49709	0.04199	17.48694	220424913	4020110	76
08/22/2017 12:29:14	16.67473	16.69704	16.64879	735.80206	735.90002	735.80004	26.7808	26.9	26.5	27.05571	27.3	26.8	26.8625	26.95988	26.71051	0.28165	0.5	0	17.58029	0.02202	17.57055	220424913	4020110	76
08/22/2017 12:34:14	16.67473	16.69704	16.64879	735.80206	735.90002	735.80004	26.7808	26.9	26.5	27.05571	27.3	26.8	26.8625	26.95988	26.71051	0.28165	0.5	0	17.6635	0.02006	17.65361	220424913	4020110	76

08/22/2017 12:39:14	16.67508	16.69339	16.6513	735.72796	735.80004	735.70001	27.27285	27.4	27	27.18762	27.49999	26.8	26.89162	26.98759	26.73821	0.25137	0.5	0	17.7467	0.02199	17.73722	220424913	4020110	76
08/22/2017 12:44:14	16.67508	16.69339	16.6513	735.72796	735.80004	735.70001	27.27285	27.4	27	27.18762	27.49999	26.8	26.89162	26.98759	26.73821	0.25137	0.4	0	17.82991	0.02198	17.82027	220424913	4020110	76
08/22/2017 12:49:14	16.67519	16.69956	16.65801	735.70001	735.70001	735.70001	27.49428	27.69999	27.4	27.31124	27.49999	27.19999	26.87251	26.98759	26.76592	0.18304	0.4	0	17.91312	0.01849	17.90361	220424913	4020110	76
08/22/2017 12:54:14	16.67599	16.70679	16.65237	735.70001	735.70001	735.70001	27.93713	28.09999	27.69999	27.82949	28.39999	27.3	26.85156	26.95988	26.71051	0.31635	0.8	0	17.99633	0.04386	17.98722	220424913	4020110	76
08/22/2017 12:59:14	16.67599	16.70679	16.65237	735.70001	735.70001	735.70001	27.93713	28.09999	27.69999	27.82949	28.39999	27.3	26.85156	26.95988	26.71051	0.31635	0.8	0	18.07954	0.04218	18.07027	220424913	4020110	76
08/22/2017 13:04:14	16.67628	16.7021	16.65431	735.70001	735.70001	735.70001	28.32239	28.5	28.09999	28.38077	28.59999	28.09999	26.7967	26.87676	26.73821	0.14599	0.4	0	18.16276	0.0203	18.15388	220424913	4020110	76
08/22/2017 13:09:14	16.67628	16.7021	16.65431	735.70001	735.70001	735.70001	28.32239	28.5	28.09999	28.38077	28.59999	28.09999	26.7967	26.87676	26.73821	0.14599	0.4	0	18.24597	0.19241	18.23694	220424913	4020110	76
08/22/2017 13:14:14	16.67525	16.69527	16.65675	735.62567	735.70001	735.60003	28.71793	28.8	28.59999	29.00284	29.59999	28.3	26.75666	26.82134	26.59968	0.4221	0.9	0	18.32917	0.02319	18.32055	220424913	4020110	76
08/22/2017 13:19:14	16.6753	16.70677	16.64665	735.62994	735.70001	735.60003	28.94496	29.19999	28.8	29.08782	29.59999	28.49999	26.75327	26.87676	26.59968	0.24385	0.59999	0	18.41238	0.0334	18.40388	220424913	4020110	76
08/22/2017 13:24:14	16.6753	16.70677	16.64665	735.62994	735.70001	735.60003	28.94496	29.19999	28.8	29.08782	29.59999	28.49999	26.75327	26.87676	26.59968	0.24385	0.59999	0	18.49559	0.07193	18.48694	220424913	4020110	76
08/22/2017 13:29:14	16.67542	16.70425	16.64521	735.68487	735.70001	735.60003	29.38183	29.5	29.19999	29.45193	29.89999	29.09999	26.65979	26.82134	26.51655	0.17778	0.4	0	18.5788	0.0642	18.57055	220424913	4020110	76
08/22/2017 13:34:14	16.67542	16.70425	16.64521	735.68487	735.70001	735.60003	29.38183	29.5	29.19999	29.45193	29.89999	29.09999	26.65979	26.82134	26.51655	0.17778	0.4	0	18.66201	0.02183	18.65388	220424913	4020110	76
08/22/2017 13:39:14	16.67421	16.70464	16.65675	735.70001	735.70001	735.70001	29.60207	29.8	29.39999	29.5226	29.89999	29.19999	26.60915	26.71051	26.51655	0.16963	0.4	0	18.74521	0.00351	18.73694	220424913	4020110	76
08/22/2017 13:44:14	16.67623	16.69923	16.64487	735.70001	735.70001	735.70001	29.94482	30	29.8	29.63383	29.89999	29.3	26.6279	26.71051	26.54426	0.31099	0.59999	0	18.82843	0.02063	18.82055	220424913	4020110	76
08/22/2017 13:49:14	16.67623	16.69923	16.64487	735.70001	735.70001	735.70001	29.94482	30	29.8	29.63383	29.89999	29.3	26.6279	26.71051	26.54426	0.31099	0.59999	0	18.91163	0.02063	18.90361	220424913	4020110	76
08/22/2017 13:54:14	16.67558	16.69563	16.65165	735.68145	735.70001	735.60003	30.05728	30.09999	30	29.56436	29.89999	29.3	26.59832	26.71051	26.51655	0.49291	0.5	0	18.99483	0.04348	18.98694	220424913	4020110	76
08/22/2017 13:59:14	16.67664	16.69081	16.65995	735.60003	735.60003	735.60003	30.21466	30.39999	30.09999	30.08087	30.69999	29.59999	26.60323	26.71051	26.46113	0.26853	0.5	0	19.07804	0.00114	19.07027	220424913	4020110	76
08/22/2017 14:04:14	16.67546	16.71433	16.64837	735.55621	735.60003	735.5	30.46736	30.59999	30.39999	30.10078	30.49999	29.69999	26.5373	26.62739	26.43343	0.36658	0.7	0	19.16125	0.02076	19.15388	220424913	4020110	76
08/22/2017 14:09:14	16.67546	16.71433	16.64837	735.55621	735.60003	735.5	30.46736	30.59999	30.39999	30.10078	30.49999	29.69999	26.5373	26.62739	26.43343	0.36658	0.7	0	19.24446	0.1068	19.23694	220424913	4020110	76
08/22/2017 14:14:14	16.67411	16.69883	16.64837	735.50909	735.60003	735.5	30.72352	30.89999	30.59999	30.19695	30.49999	29.8	26.66153	26.73821	26.57197	0.52656	1	0.1	19.32766	0.04243	19.32055	220424913	4020110	76
08/22/2017 14:19:14	16.67411	16.69883	16.64837	735.50909	735.60003	735.5	30.72352	30.89999	30.59999	30.19695	30.49999	29.8	26.66153	26.73821	26.57197	0.52656	1	0.1	19.41086	0.02368	19.40361	220424913	4020110	76
08/22/2017 14:24:14	16.67578	16.69388	16.6398	735.5	735.5	735.5	30.90549	31	30.7	30.44322	30.89999	30.09999	26.61227	26.71051	26.46113	0.46899	0.8	0.09999	19.49406	0.02176	19.48694	220424913	4020110	76
08/22/2017 14:29:14	16.67485	16.69388	16.6398	735.49755	735.5	735.40002	31.01345	31.09999	31	30.60617	30.89999	30.3	26.61314	26.71051	26.48884	0.40728	0.8	0.1	19.57727	0.0553	19.57027	220424913	4020110	76
08/22/2017 14:34:14	16.67554	16.69585	16.6534	735.40606	735.5	735.40002	31.05391	31.09999	31	30.38084	30.69999	29.89999	26.65853	26.73821	26.54426	0.67306	1.1	0.3	19.66047	0.02076	19.65361	220424913	4020110	76
08/22/2017 14:39:14	16.67466	16.6964	16.64864	735.39898	735.40002	735.30004	31.16057	31.3	31.09999	30.54802	30.89999	30.3	26.63463	26.73821	26.48884	0.61254	0.9	0.2	19.74368	0.06329	19.73722	220424913	4020110	76
08/22/2017 14:44:14	16.67466	16.6964	16.64864	735.39898	735.40002	735.30004	31.16057	31.3	31.09999	30.54802	30.89999	30.3	26.63463	26.73821	26.48884	0.61254	0.9	0.2	19.82688	0.02078	19.82027	220424913	4020110	76
08/22/2017 14:49:14	16.67388	16.69892	16.65649	735.30102	735.40002	735.30004	31.25392	31.3	31.09999	30.53349	30.8	30.3	26.61254	26.71051	26.48884	0.72043	1	0.5	19.91008	0	19.90388	220424913	4020110	76
08/22/2017 14:54:14	16.67388	16.69892	16.65649	735.30102	735.40002	735.30004	31.25392	31.3	31.09999	30.53349	30.8	30.3	26.61254	26.71051	26.48884	0.72043	1	0.5	19.99329	0.08516	19.98694	220424913	4020110	76
08/22/2017 14:59:14	16.6756	16.69534	16.64734	735.22595	735.30004	735.20001	31.25288	31.3	31.09999	30.45157	30.8	30.09999	26.57323	26.71051	26.40572	0.80131	1.1	0.4	20.07649	0.02087	20.07027	220424913	4020110	76
08/22/2017 15:04:14	16.67493	16.70755	16.64734	735.20105	735.30004	735.20001	31.27979	31.3	31.2	30.79301	31.09999	30.49999	26.46168	26.54426	26.35031	0.48677	0.8	0.2	20.1597	0.0426	20.15388	220424913	4020110	76
08/22/2017 15:09:14	16.67493	16.70755	16.64734	735.20105	735.30004	735.20001	31.27979	31.3	31.2	30.79301	31.09999	30.49999	26.46168	26.54426	26.35031	0.48677	1.2	0.4	20.2429	0	20.23694	220424913	4020110	76
08/22/2017 15:14:14	16.6748	16.69507	16.64734	735.19397	735.20001	735.10003	31.28656	31.3	31.2	30.50034	30.8	30.09999	26.52974	26.65509	26.35031	0.78621	1.2	0.4	20.32611	0.08714	20.32027	220424913	4020110	76
08/22/2017 15:19:14	16.67356	16.69382	16.65232	735.18591	735.30004	735.10003	31.26635	31.3	31.09999	29.99173	30.49999	29.59999	26.52995	26.59968	26.43343	1.27462	1.6	0.8	20.40931	0.06425	20.40361	220424913	4020110	76
08/22/2017 15:24:14	16.67382	16.697	16.65812	735.18182	735.20001	735.10003	31.07973	31.09999	31	30.04388	30.49999	29.59999	26.40795	26.48884	26.3226	1.03585	1.5	0.6	20.49252	0.0514	20.48722	220424913	4020110	76
08/22/2017 15:29:14	16.67382	16.697	16.65812	735.18182	735.20001	735.10003	31.07973	31.09999	31	30.04388	30.49999	29.59999	26.40795	26.48884	26.3226	1.03585	1.5	0.6	20.57573	0.06313	20.57027	220424913	4020110	76
08/22/2017 15:34:14	16.67468	16.70247	16.64011	735.13098	735.20001	735.10003	31.01006	31.09999	30.89999	29.72958	30.09999	29.59999	26.44317	26.54426	26.35031	1.28047	1.5	0.9	20.65893	0.02063	20.65361	220424913	4020110	76
08/22/2017 15:39:14	16.67589	16.69983	16.65543	735.05523	735.10003	735	30.71815	30.89999	30.59999	29.90126	30.3	29.59999	26.4768	26.54426	26.37801	0.81689	1.19999	0.4	20.74214	0	20.73722	220424913	4020110	76
08/22/2017 15:44:14	16.67589	16.69983	16.65543	735.05523	735.10003	735	30.71815	30.89999	30.59999	29.90126	30.3	29.59999	26.4768	26.54426	26.37801	0.81689	1.19999	0.4	20.82535	0.00101	20.82027	220424913	4020110	76
08/22/2017 15:49:14	16.67516	16.69952	16.64904	735.01007	735.10003	735	30.64945	30.7	30.59999	30.14953	30.69999	29.8	26.48629	26.57197	26.40572	0.49992	0.9	0	20.90857	0.02176	20.90361	220424913	4020110	76
08/22/2017 15:54:14	16.67569	16.71176	16.65155	735	735	735	30.57635	30.7	30.5	30.05196	30.3	29.8	26.51881	26.59968	26.43343	0.52438	0.8	0.2	20.9918	0.06314	20.98694	220424913	4020110	76
08/22/2017 15:59:14	16.67529	16.70235	16.65155	734.96875	735	734.90002	30.53026	30.59999	30.5	30.08865	30.3	29.8	26.50985	26.62739	26.40572	0.44161	0.8	0.2	21.07501	0.04143	21.07027	220424913	4020110	76
08/22/2017 16:04:14	16.67569	16.69653	16.65407	734.91076	735	734.90002	30.48992	30.59999	30.39999	30.05074	30.39999	29.69999	26.51321	26.59968	26.43343	0.43917	0.7	0.1	21.15821	0.02064	21.15388	220424913	4020110	76
08/22/2017 16:09:14	16.67569	16.69653	16.65407	734.91076	735	734.90002	30.48992	30.59999	30.39999	30.05074	30.39999	29.69999	26.51321	26.59968	26.43343	0.43917	0.9	0	21.24142	0.02176	21.23722	220424913	4020110	76
08/22/2017 16:14:14	16.67633	16.70173	16.64186	734.90002	734.90002	734.90002	30.48981	30.5	30.39999	29.81058	30.39999	29.49999	26.53161	26.62739	26.43343	0.67923	0.9	0	21.32463	0.04253	21.32027	220424913	4020110	76
08/22/2017 16:19:14	16.67474	16.6956	16.64766	734.90002	734.90002	734.90002	30.48083	30.5	30.39999	30.11996	30.8	29.59999	26.50364	26.59968	26.40572	0.41329	0.9	0	21.40783	0.02177	21.40388	220424913	4020110	76
08/22/2017 16:24:14	16.67474	16.6956	16.64766	734.90002	734.90002	734.90002	30.48083	30.5	30.39999	30.11996	30.8	29.59999	26.50364	26.59968	26.40572	0.41329	0.9	0	21.49104	0.06308	21.48694	220424913	4020110	76
08/22/2017 16:29:14	16.67526	16.70173	16.64216	734.89697	734.90002	734.80004	30.47309	30.5	30.39999	30.01289	30.3	29.59999	26.51158	26.57197	26.43343	0.46019	0.9	0.09999	21.57424	0.08494	21.57055	220424913	4020110	76
08/22/2017 16:34:14	16.67561	16.70816	16.65407	734.83905	734.90002	734.80004	30.45954	30.5	30.39999	29.95819	30.3	29.8	26.52296	26.59968	26.43343	0.50134	0.7	0.09999	21.65745	0.02179	21.65388	220424913	4020110	76
08/22/2017 16:39:14	16.67561	16.70816	16.65407	734.83905	734.90002	734.80004	30.45954	30.5	30.39999	29.95819	30.3	29.8	26.52296	26.59968	26.43343	0.50134	1	0.19999	21.74066	0.02066	21.73722	220424913	4020110	76
08/22/2017 16:44:14	16.67488	16.70065	16.64719	734.7738	734.90002	734.60003	30.45045	30.5	30.39999	29.86267	30.19999	29.49999	26.52917	26.59968	26.46113	0.58778	1	0.19999	21.82386	0.15033	21.82027	220424913	4020110	76
08/22/2017 16:49:14	16.67473	16.69517	16.64951	734.76471	734.80004	734.70001	30.43365	30.5	30.39999	29.65703	30.3	29.19999	26.51767	26.59968	26.40572	0.77661	1.19999	0.09999	21.90706	0	21.90361	220424913	4020110	76
08/22/2017 16:54:14	16.67531	16.69126	16.64877	734.64306	734.80004	734.5	30.34248	30.39999	30.09999	29.62796	29.8	29.3	26.52833	26.59968	26.43343	0.71451	0.9	0.5	21.99027	0.02961	21.98722	220424913	4020110	76
08/22/2017 16:59:14	16.67531	16.69126	16.64877	734.64306	734.80004	734.5	30.34248	30.39999	30.09999	29.62796	29.8	29.3	26.52833	26.59968	26.43343	0.71451	0.9	0.5	22.07347	0.03346	22.07027	220424913	4020110	76
08/22/2017 17:04:14	16.67467	16.69346	16.66067	734.55865	734.70001	734.5	30.17066	30.39999	30.09999	29.50549	29.59999	29.3	26.5336	26.62739	26.46113	0.66516	1.09999	0.5	22.15667	0.00122	22.15361	220424913	4020110	76
08/22/2017 17:09:14	16.67492	16.6895	16.66067	734.51391	734.70001	734.40002	30.08644	30.09999	30	29.46847	29.8	29.3	26.53644	26.62739	26.46113	0.61796	0.8	0.3	22.23989	0.02181	22.23694	220424913	4020110	76
08/22/2017 17:14:14	16.67521	16.68985	16.65414	734.48687	734.60003	734.40002	30.00336	30.09999	30	29.42933	29.59999	29.19999	26.53028	26.62739	26.43343	0.57403	0.8	0.4	22.32309	0.04243	22.32055	220424913	4020110	76
08/22/2017 17:19:14	16.67444	16.68733	16.65815	734.52978	734.70001	734.40002	29.93606	30	29.8	29.22386	29.49999	28.99999	26.53976	26.59968	26.43343	0.7122	0.9	0.5	22.40629	0.0334	22.40388	220424913	4020110	76
08/22/2017 17:24:14	16.67444	16.68733	16.65815	734.52978	734.70001	734.40002	29.93606	30	29.8	29.22386	29.49999	28.99999	26.53976	26.59968	26.43343	0.7122	0.9	0.5	22.48949	0.03086	22.48694	220424913	4020110	76
08/22/2017 17:29:14	16.67457	16.69558	16.65091	734.66046	734.80004	734.60003	29.72927	29.8	29.5	28.75739	28.99999	28.49999	26.52721	26.65509	26.43343	0.94833	1.3	0.7	22.5727	0.01798	22.57055	220424913	4020110	76
08/22/2017 17:34:14	16.67457	16.69558	16.65091	734.66046	734.80004	734.60003	29.72927	29.8	29.5	28.75739	28.99999	28.49999	26.52721	26.65509	26.43343	0.97188	1.3	0.7	22.6559	0	22.65361	220424913	4020110	76
08/22/2017 17:39:14	16.67503	16.69306	16.65491	734.7279	734.80004	734.70001	29.55165	29.7	29.39999	28.8293	28.99999	28.59999	26.49614	26.57197	26.40572	0.72234	1.1	0.5	22.7391	0.03336	22.73694	220424913	4020110	76
08/22/2017 17:44:14	16.67515	16.69306	16.6484	734.74792	734.80004	734.70001	29.40674	29.5	29.19999	28.86971	28.99999	28.59999	26.50287	26.59968	26.43343	0.53703	0.8	0.3	22.82231	0.00142	22.82027	220424913	4020110	76
08/22/2017 17:49:14	16.67536	16.69558	16.65091	734.67535	734.80004	734.60003	29.17644	29.3	29.09999	28.83915	28.99999	28.59999	26.50227	26.57197	26.40572	0.33729	0.6	0.2	22.90551	0.06418	22.90388	220424913	4020110	76
08/22/2017 17:54:14	16.67536	16.69558	16.65091	734.67535	734.80004	734.60003	29.17644	29.3	29.09999	28.83915	28.99999	28.59999	26.50227	26.57197	26.40572	0.33729	0.6	0.2	22.98872	0.009	22.98694	220424913	4020110	76
08/22/2017 17:59:14	16.67289	16.69684	16.64647	734.57684	734.60003	734.5	29.00556	29.09999	28.8	28.18232	28.39999	27.89999	26.53555	26.62739	26.46113	0.82323	1.2	0.4	23.07192	0.04229	23.07055	220424913	4020110	76
08/22/2017 18:04:14	16.67289	16.69684	16.64647	734.57684	734.60003	734.5	29.00556	29.09999	28.8	28.18232	28.39999	27.89999	26.53555	26.62739	26.46113	0.82323	1.2	0.4	23.15513	0.06257	23.15361	220424913	4020110	76
08/22/2017 18:09:14	16.67325	16.70046	16.65051	734.60205	734.70001	734.5	28.79651	28.9	28.69999	28.2045	28.49999	27.99999	26.52525	26.57197	26.46113	0.592	0.8	0.3	23.23833	0	23.23694	220424913	4020110	76
08/22/2017 18:14:14	16.67435	16.70207	16.64855	734.52185	734.60003	734.5	28.67969	28.69999	28.59999	27.90466	28.09999	27.8	26.55603	26.65509	26.43343	0.77502	0.9	0.6	23.32155	0.04213	23.32027	220424913	4020110	76
08/22/2017 18:19:14	16.67376	16.70159	16.64147	734.47985	734.5	734.40002	28.42579	28.5	28.3	27.52481	27.8	27.3	26.55916	26.65509	26.46113	0.90098	1.2	0.6	23.40476	0.02018	23.40388	220424913	4020110	76
08/22/2017 18:24:14	16.67376	16.70159	16.64147	734.47985	734.5	734.40002	28.42579	28.5	28.3	27.52481	27.8	27.3	26.55916	26.65509	26.46113	0.90098	0.9	0.4	23.48796	0.02196	23.48722	220424913	4020110	76
08/22/2017 18:29:14	16.67431	16.69795	16.6533	734.40405	734.5	734.30004	28.22915	28.3	28.09999	27.56365	27.8	27.3	26.57067	26.6828	26.48884	0.6655	0.9	0.4	23.57116	0.04208	23.57027	220424913	4020110	76
08/22/2017 18:34:14	16.6738	16.69329	16.64864	734.32495	734.40002	734.30004	28.06959	28.09999	28	27.24569	27.49999	26.89999	26.62269	26.71051	26.54426	0.8239	1.2	0.6	23.65437	0.1174	23.65361	220424913	4020110	76
08/22/2017 18:39:14	16.67463	16.69838	16.65116	734.3172	734.40002	734.30004	27.97949	28	27.69999	27.05137	27.19999	26.89999	26.62148	26.73821	26.51655	0.92812	1	0.5	23.73757	0.04022	23.73722	220424913	4020110	76
08/22/2017 18:44:14	16.67406	16.7051	16.64864	734.31921	734.40002	734.30004	27.74033	28	27.59999	26.99771	27.19999	26.89999	26.60156	26.6828	26.51655	0.74262	1	0.4	23.82078	0.02901	23.82027	220424913	4020110	76
08/22/2017 18:49:14	16.67502	16.70147	16.64811	734.3424	734.5	734.30004	27.57533	27.69999	27.4	26.81701	27.19999	26.49999	26.59996	26.6828	26.46113	0.75832	1	0.4	23.90399	0.02006	23.90361	220424913	4020110	76
08/22/2017 18:54:14	16.67508	16.6922	16.64699	734.35968	734.40002	734.30004	27.21569	27.4	27.09999	26.56059	26.8	26.3	26.61364	26.73821	26.51655	0.6551	1.1	0.4	23.98719	0.00898	23.98722	220424913	4020110	76
08/22/2017 18:59:14	16.67508	16.6922	16.64699	734.35968	734.40002	734.30004	27.21569	27.4	27.09999	26.56059	26.8	26.3	26.61364	26.73821	26.51655	0.6551	1.1	0.4	24.00093	0	24	220424913	4020110	76
08/22/2017 19:04:14	2.22152	16.68233	0	734.40106	734.5	734.30004	27.02788	27.09999	27	26.17505	26.3	25.99999	8.25327	26.6828	5.18139	0.85283	1.1	0.7	24.00093	0	24	220424913	4020110	76
08/22/2017 19:09:14	0	0	0	734.44079	734.5	734.40002	26.76863	27	26.5	25.49552	25.69999	25.39999	5.339	5.43076	5.23681	1.27311	1.5	1.1	24.00093	0	24	220424913	4020110	76
08/22/2017 19:14:14	0	0	0	734.44079	734.5	734.40002	26.76863	27	26.5	25.49552	25.69999	25.39999	5.339	5.43076	5.23681	1.27311	1.5	1.1	24.00093	0	24	220424913	4020110	76
08/22/2017 19:19:14	0	0	0	734.40655	734.5	734.30004	26.40561	26.5	26.19999	24.8584	24.99999	24.69999	5.37814	5.5416	5.26452	1.5472	1.7	1.4	24.00093	0	24	220424913	4020110	76
08/22/2017 19:24:13	0	0	0	734.40655	734.5	734.30004	26.40561	26.5	26.19999	24.8584	24.99999	24.69999	5.37814	5.5416	5.26452	1.5472	1.7	1.4	24.00093	0	24	220424913	4020110	76
08/22/2017 19:29:14	0	0	0	734.49395	734.5	734.40002	26.23935	26.4	26.09999	24.44405	24.69999	24.19999	5.29806	5.40306	5.18139	1.79529	2	1.7	24.00093	0	24	220424913	4020110	76

08/22/2017 19:34:14	0	0	0	734.5	734.5	734.5	25.77302	26.09999	25.69999	23.82581	23.89999	23.69999	5.25109	5.34764	5.15368	1.94721	2.2	1.9	24.00093	0	24	220424913	4020110	76
08/22/2017 19:39:14	0	0	0	734.5	734.5	734.5	25.56168	25.69999	25.3	23.40354	23.69999	23.19999	5.24828	5.26452	5.18139	2.15814	2.4	1.9	24.00093	0	24	220424913	4020110	76
08/22/2017 19:44:14	0	0	0	734.50103	734.60003	734.5	25.24596	25.5	25.09999	22.9844	23.19999	22.69999	5.23317	5.26452	5.18139	2.26156	2.5	2.1	24.00093	0	24	220424913	4020110	76
08/22/2017 19:49:14	0	0	0	734.50103	734.60003	734.5	25.24596	25.5	25.09999	22.9844	23.19999	22.69999	5.23317	5.26452	5.18139	2.26156	2.5	2.1	24.00093	0	24	220424899	4020210	76
08/22/2017 19:54:14	0	0	0	734.49597	734.5	734.40002	24.92465	25.09999	24.69999	22.64729	22.89999	22.49999	5.22867	5.26452	5.18139	2.27735	2.2	1.6	0.06894	0.08281	0.07027	220424899	4020210	76
08/22/2017 19:59:14	13.57957	16.69961	0	734.49652	734.5	734.40002	24.32521	24.69999	23.9	22.4189	22.59999	22.3	20.47308	24.13366	5.18139	1.9063	2.2	1.6	0.15232	0	0.15361	220424899	4020210	76
08/22/2017 20:04:14	16.67565	16.69961	16.65756	734.5	734.5	734.5	23.58301	23.9	23.19999	22.03721	22.3	21.89999	24.09983	24.18908	24.02283	1.5458	1.8	1.3	0.2357	0.04481	0.23694	220424899	4020210	76
08/22/2017 20:09:14	16.67512	16.6861	16.66098	734.5	734.5	734.5	22.91672	23.19999	22.59999	21.76519	21.89999	21.49999	24.14614	24.2722	24.02283	1.15153	1.4	0.9	0.31907	0.02242	0.32027	220424899	4020210	76
08/22/2017 20:14:14	16.67533	16.68844	16.66	734.5	734.5	734.5	21.88753	22.09999	21.59999	21.2292	21.3	21.19999	24.33861	24.41074	24.24449	0.65832	0.9	0.4	0.40245	0	0.40388	220424899	4020210	76
08/22/2017 20:19:14	16.67454	16.68945	16.65371	734.5	734.5	734.5	21.48416	21.69999	21.09999	21.26725	21.39999	21.19999	24.3324	24.41074	24.24449	0.21714	0.5	0	0.48582	0.04126	0.48722	220424899	4020210	76
08/22/2017 20:24:14	16.67614	16.68844	16.65799	734.5	734.5	734.5	21.07627	21.4	20.9	21.15282	21.19999	20.89999	24.34665	24.43845	24.2722	0.11019	0.2	0	0.5692	0.0637	0.57055	220424899	4020210	76
08/22/2017 20:29:14	16.67471	16.68638	16.65696	734.5	734.5	734.5	20.77849	20.9	20.5	20.88431	21.09999	20.69999	24.37327	24.46616	24.2722	0.10581	0.3	0	0.65258	0	0.65388	220424899	4020210	76
08/22/2017 20:34:13	16.67471	16.68638	16.65696	734.5	734.5	734.5	20.77849	20.9	20.5	20.88431	21.09999	20.69999	24.37327	24.46616	24.2722	0.10581	0.3	0	0.73595	0.06365	0.73694	220424899	4020210	76
08/22/2017 20:39:13	16.6746	16.69163	16.65486	734.5	734.5	734.5	20.45621	20.69999	20.4	20.46744	20.69999	20.19999	24.41583	24.49387	24.32762	0.11924	0.2	0	0.81932	0.01863	0.82027	220424899	4020210	76
08/22/2017 20:44:13	16.67551	16.68948	16.66009	734.5	734.5	734.5	20.21134	20.4	20.09999	20.24707	20.3	20.19999	24.43509	24.52157	24.35533	0.06534	0.2	0	0.90269	0.04114	0.90361	220424899	4020210	76
08/22/2017 20:49:14	16.67255	16.68948	16.659	734.5	734.5	734.5	19.68873	19.8	19.5	20.19867	20.3	19.99999	24.45781	24.54928	24.32762	0.50994	0.69999	0.19999	0.98604	0.01859	0.98722	220424899	4020210	76
08/22/2017 20:54:14	16.67255	16.68948	16.659	734.5	734.5	734.5	19.68873	19.8	19.5	20.19867	20.3	19.99999	24.45781	24.54928	24.32762	0.50994	0.69999	0.19999	1.06941	0	1.07027	220424899	4020210	76
08/22/2017 20:59:14	16.67269	16.68614	16.659	734.50103	734.60003	734.5	19.25042	19.5	19.09999	19.92364	20.19999	19.69999	24.4734	24.54928	24.41074	0.67322	1	0.49999	1.15277	0	1.15388	220424899	4020210	76
08/22/2017 21:04:14	16.67269	16.68614	16.659	734.50103	734.60003	734.5	19.25042	19.5	19.09999	19.92364	20.19999	19.69999	24.4734	24.54928	24.41074	0.67322	1	0.49999	1.23615	0.041	1.23694	220424899	4020210	76
08/22/2017 21:09:13	16.675	16.69132	16.65312	734.55999	734.60003	734.5	19.08543	19.19999	19	19.50805	19.69999	19.39999	24.40285	24.49387	24.29991	0.42262	0.6	0.3	1.31952	0	1.32027	220424899	4020210	76
08/22/2017 21:14:14	16.67578	16.6878	16.6623	734.51007	734.60003	734.5	18.63728	18.9	18.5	18.99664	18.99999	18.89999	24.50946	24.57699	24.43845	0.35935	0.49999	0.09999	1.4029	0.04994	1.40388	220424899	4020210	76
08/22/2017 21:19:14	16.67615	16.69533	16.65714	734.56457	734.60003	734.5	18.48204	18.59999	18.4	19.23586	19.39999	18.99999	24.50733	24.57699	24.43845	0.75382	0.99999	0.4	1.48628	0.041	1.48722	220424899	4020210	76
08/22/2017 21:24:14	16.67428	16.69533	16.65333	734.50305	734.60003	734.5	18.37277	18.4	18.09999	19.08318	19.39999	18.8	24.56668	24.66012	24.46616	0.71041	0.99999	0.49999	1.56965	0.04095	1.57055	220424899	4020210	76
08/22/2017 21:29:14	16.67428	16.69533	16.65333	734.50305	734.60003	734.5	18.37277	18.4	18.09999	19.08318	19.39999	18.8	24.56668	24.66012	24.46616	0.71041	0.8	0.49999	1.65303	0	1.65388	220424899	4020210	76
08/22/2017 21:34:14	16.67524	16.69173	16.65607	734.5	734.5	734.5	17.94606	18	17.9	18.45062	18.69999	18.3	24.68338	24.79866	24.57699	0.50456	0.69999	0.39999	1.7364	0	1.73722	220424899	4020210	76
08/22/2017 21:39:14	16.67335	16.6867	16.65361	734.5	734.5	734.5	17.83255	17.9	17.69999	18.18863	18.3	17.89999	24.72958	24.82636	24.63241	0.35608	0.5	0.09999	1.81976	0	1.82055	220424899	4020210	76
08/22/2017 21:44:14	16.67335	16.6867	16.65361	734.5	734.5	734.5	17.83255	17.9	17.69999	18.18863	18.3	17.89999	24.72958	24.82636	24.63241	0.35608	0.5	0.09999	1.90314	0.009	1.90361	220424899	4020210	76
08/22/2017 21:49:14	16.67543	16.69815	16.66128	734.51965	734.60003	734.5	17.5887	17.8	17.4	17.85962	18.19999	17.69999	24.79253	24.85407	24.71553	0.27092	0.5	0	1.98652	0.0635	1.98694	220424899	4020210	76
08/22/2017 21:54:14	16.67415	16.6854	16.66252	734.49902	734.5	734.40002	17.27194	17.4	17.19999	17.71577	17.8	17.59999	24.81102	24.88178	24.74324	0.44383	0.6	0.3	2.06989	0	2.07055	220424899	4020210	76
08/22/2017 21:59:14	16.67415	16.6854	16.66252	734.49902	734.5	734.40002	17.27194	17.4	17.19999	17.71577	17.8	17.59999	24.81102	24.88178	24.74324	0.44383	0.6	0.3	2.15327	0.04546	2.15361	220424899	4020210	76
08/22/2017 22:04:13	16.67617	16.69047	16.66243	734.48242	734.5	734.40002	17.11559	17.19999	16.9	17.60895	17.69999	17.3	24.87199	24.9649	24.79866	0.49336	0.69999	0.2	2.23663	0.0048	2.23694	220424899	4020210	76
08/22/2017 22:09:14	16.6742	16.69147	16.65588	734.5	734.5	734.5	16.69888	16.8	16.59999	16.87422	17.09999	16.69999	24.96608	25.07573	24.88178	0.17533	0.3	0	2.32001	0.04065	2.32055	220424899	4020210	76
08/22/2017 22:14:14	16.6742	16.69147	16.65588	734.5	734.5	734.5	16.69888	16.8	16.59999	16.87422	17.09999	16.69999	24.96608	25.07573	24.88178	0.17533	0.3	0	2.40337	0.02278	2.40388	220424899	4020210	76
08/22/2017 22:19:13	16.67339	16.69147	16.6609	734.49493	734.5	734.40002	16.55588	16.59999	16.3	16.62588	16.89999	16.49999	25.00605	25.10344	24.90949	0.07672	0.3	0	2.48673	0.02279	2.48694	220424899	4020210	76
08/22/2017 22:24:14	16.67477	16.69761	16.6609	734.4259	734.5	734.40002	16.30984	16.5	16.19999	16.59995	16.89999	16.39999	25.06804	25.21428	24.9372	0.29011	1	0.4	2.57013	0	2.57055	220424899	4020210	76
08/22/2017 22:29:13	16.67604	16.69399	16.65473	734.40002	734.40002	734.40002	16.13593	16.19999	16	16.92335	17.09999	16.59999	25.12454	25.21428	25.02032	0.78742	1	0.4	2.65351	0.018	2.65361	220424899	4020210	76
08/22/2017 22:34:14	16.67593	16.70175	16.6611	734.39398	734.40002	734.30004	15.89562	16	15.69999	17.08877	17.19999	16.99999	25.20729	25.26969	25.10344	1.19315	1.3	1.09999	2.7369	0.04071	2.73722	220424899	4020210	76
08/22/2017 22:39:14	16.67593	16.70175	16.6611	734.39398	734.40002	734.30004	15.89562	16	15.69999	17.08877	17.19999	16.99999	25.20729	25.26969	25.10344	1.19315	1.3	1.09999	2.8203	0.01795	2.82027	220424899	4020210	76
08/22/2017 22:44:13	16.67722	16.70175	16.65976	734.39904	734.40002	734.30004	15.77199	15.9	15.69999	17.02017	17.19999	16.89999	25.21429	25.26969	25.13115	1.24818	1.5	0.99999	2.90369	0.06349	2.90361	220424899	4020210	76
08/22/2017 22:49:14	16.67437	16.6915	16.65606	734.34253	734.40002	734.30004	15.53934	15.69999	15.5	17.11334	17.19999	16.99999	25.22441	25.2974	25.15886	1.574	1.69999	1.4	2.98707	0.06767	2.98722	220424899	4020210	76
08/22/2017 22:54:14	16.67437	16.6915	16.65606	734.34253	734.40002	734.30004	15.53934	15.69999	15.5	17.11334	17.19999	16.99999	25.22441	25.2974	25.15886	1.574	1.59999	1.39999	3.07045	0.04068	3.07027	220424899	4020210	76
08/22/2017 22:59:14	16.67507	16.6915	16.65473	734.38189	734.40002	734.30004	15.47634	15.5	15.4	16.95615	16.99999	16.89999	25.24339	25.35282	25.15886	1.4798	1.59999	1.39999	3.15382	0.02279	3.15361	220424899	4020210	76
08/22/2017 23:04:13	16.67385	16.69399	16.6584	734.40002	734.40002	734.40002	15.39988	15.5	15.3	16.76508	16.89999	16.59999	25.27532	25.35282	25.18657	1.3652	1.49999	1.19999	3.23721	0	3.23694	220424899	4020210	76
08/22/2017 23:09:13	16.67623	16.69513	16.65454	734.3269	734.40002	734.30004	15.32018	15.4	15.09999	16.61008	16.69999	16.49999	25.33684	25.40823	25.24198	1.28989	1.5	1.09999	3.32058	0.04063	3.32027	220424899	4020210	76
08/22/2017 23:14:13	16.6752	16.68874	16.65316	734.30004	734.30004	734.30004	15.16182	15.4	15.09999	16.48538	16.59999	16.39999	25.36238	25.46365	25.26969	1.32355	1.5	0.99999	3.40394	0	3.40361	220424899	4020210	76
08/22/2017 23:19:14	16.67552	16.69873	16.65316	734.30004	734.30004	734.30004	15.05953	15.09999	15	16.41008	16.49999	16.39999	25.40357	25.57448	25.2974	1.35055	1.49999	1.3	3.48732	0.01779	3.48694	220424899	4020210	76
08/22/2017 23:24:14	16.67562	16.69232	16.65816	734.30206	734.40002	734.30004	14.90674	15	14.8	16.31656	16.39999	16.09999	25.47863	25.60219	25.35282	1.40981	1.5	1.19999	3.5707	0.0406	3.57055	220424899	4020210	76
08/22/2017 23:29:14	16.67503	16.69232	16.65675	734.30004	734.30004	734.30004	14.87981	15	14.8	16.24459	16.3	15.99999	25.48413	25.6299	25.35282	1.36478	1.5	1.09999	3.65408	0.0406	3.65388	220424899	4020210	76
08/22/2017 23:34:14	16.67503	16.69232	16.65675	734.30004	734.30004	734.30004	14.87981	15	14.8	16.24459	16.3	15.99999	25.48413	25.6299	25.35282	1.36478	1.5	1.09999	3.73748	0	3.73722	220424899	4020210	76
08/22/2017 23:39:13	16.67657	16.69232	16.66813	734.30004	734.30004	734.30004	14.81917	14.9	14.8	16.21457	16.3	15.99999	25.55422	25.68531	25.38052	1.3954	1.5	1.09999	3.82087	0	3.82027	220424899	4020210	76
08/22/2017 23:44:14	16.67468	16.69232	16.65035	734.30004	734.30004	734.30004	14.56188	14.8	14.5	16.23948	16.3	15.99999	25.69806	25.82385	25.57448	1.67759	1.8	1.4	3.90425	0.0406	3.90388	220424899	4020210	76
08/22/2017 23:49:14	16.67508	16.69232	16.65816	734.30004	734.30004	734.30004	14.50002	14.69999	14.4	16.25644	16.39999	15.99999	25.69712	25.79614	25.60219	1.75642	1.9	1.49999	3.98764	0	3.98722	220424899	4020210	76
08/22/2017 23:54:13	16.67508	16.69232	16.65816	734.30004	734.30004	734.30004	14.50002	14.69999	14.4	16.25644	16.39999	15.99999	25.69712	25.79614	25.60219	1.75642	1.9	1.49999	4.07101	0.08124	4.07027	220424899	4020210	76
08/22/2017 23:59:14	16.67593	16.68734	16.65816	734.30004	734.30004	734.30004	14.41344	14.5	14.4	16.39662	16.39999	16.3	25.75093	25.85156	25.6576	1.98317	1.99999	1.89999	4.15439	0	4.15388	220424899	4020210	76
08/23/2017 00:04:14	16.67593	16.68734	16.65816	734.30004	734.30004	734.30004	14.41344	14.5	14.4	16.39662	16.39999	16.3	25.75093	25.85156	25.6576	1.98317	1.99999	1.89999	4.23777	0.08124	4.23694	220424899	4020210	76
08/23/2017 00:09:13	16.67496	16.68986	16.65316	734.29901	734.30004	734.20001	14.40672	14.5	14.4	16.42352	16.49999	16.39999	25.78637	25.87927	25.68531	2.01679	2.09999	1.89999	4.32116	0.08124	4.32027	220424899	4020210	76
08/23/2017 00:14:14	16.67478	16.70267	16.65316	734.28241	734.30004	734.20001	14.38083	14.4	14.19999	16.43696	16.59999	16.39999	25.80737	25.90698	25.74073	2.05613	2.3	1.99999	4.40453	0.05444	4.40388	220424899	4020210	76
08/23/2017 00:19:14	16.67478	16.70267	16.65316	734.28241	734.30004	734.20001	14.38083	14.4	14.19999	16.43696	16.59999	16.39999	25.80737	25.90698	25.74073	2.05613	2.3	1.99999	4.48791	0	4.48694	220424899	4020210	76
08/23/2017 00:24:13	16.67713	16.69873	16.66455	734.23327	734.30004	734.20001	14.36961	14.4	14.19999	16.41009	16.49999	16.39999	25.83454	25.90698	25.76843	2.04047	2.19999	1.99999	4.57128	0	4.57027	220424899	4020210	76
08/23/2017 00:29:14	16.67703	16.68986	16.66068	734.21514	734.30004	734.20001	14.35378	14.4	14.19999	16.38315	16.49999	16.3	25.83756	25.90698	25.74073	2.02936	2.19999	1.9	4.65463	0	4.65361	220424899	4020210	76
08/23/2017 00:34:14	16.67389	16.69485	16.65287	734.20001	734.20001	734.20001	14.2472	14.4	14.19999	16.07961	16.3	15.89999	25.91341	25.9901	25.82385	1.83241	2.1	1.6	4.73799	0	4.73722	220424899	4020210	76
08/23/2017 00:39:14	16.67389	16.69485	16.65287	734.20001	734.20001	734.20001	14.2472	14.4	14.19999	16.07961	16.3	15.89999	25.91341	25.9901	25.82385	1.83241	1.8	1.5	4.82135	0.04052	4.82055	220424899	4020210	76
08/23/2017 00:44:14	16.67592	16.68903	16.66282	734.20001	734.20001	734.20001	14.19312	14.19999	14.09999	15.69099	15.89999	15.49999	25.94315	26.0178	25.85156	1.49786	1.7	1.3	4.90471	0	4.90388	220424899	4020210	76
08/23/2017 00:49:14	16.6755	16.70039	16.65348	734.20001	734.20001	734.20001	14.13363	14.19999	14.09999	15.35517	15.49999	15.29999	25.96969	26.04551	25.90698	1.22154	1.4	1.1	4.98809	0.04045	4.98722	220424899	4020210	76
08/23/2017 00:54:14	16.6755	16.70039	16.65348	734.20001	734.20001	734.20001	14.13363	14.19999	14.09999	15.35517	15.49999	15.29999	25.96969	26.04551	25.90698	1.22154	1.4	1.1	5.07145	0.04578	5.07027	220424899	4020210	76
08/23/2017 00:59:13	16.67482	16.69396	16.6599	734.20001	734.20001	734.20001	14.07287	14.09999	13.9	15.34369	15.49999	15.29999	25.95653	26.0178	25.90698	1.27081	1.5	1.2	5.1548	0.0229	5.15361	220424899	4020210	76
08/23/2017 01:04:14	16.67423	16.68754	16.652	734.20001	734.20001	734.20001	13.85282	13.9	13.8	15.09635	15.29999	14.89999	26.02622	26.12864	25.93469	1.24353	1.5	1	5.23817	0.00541	5.23722	220424899	4020210	76
08/23/2017 01:09:14	16.6732	16.68603	16.66184	734.20001	734.20001	734.20001	13.79665	13.9	13.69999	14.90338	15.09999	14.79999	26.1045	26.21176	26.0178	1.10673	1.3	1	5.32152	0	5.32055	220424899	4020210	76
08/23/2017 01:14:14	16.6732	16.68603	16.66184	734.20001	734.20001	734.20001	13.79665	13.9	13.69999	14.90338	15.09999	14.79999	26.1045	26.21176	26.0178	1.10673	1.3	1	5.40489	0	5.40361	220424899	4020210	76
08/23/2017 01:19:13	16.67556	16.69737	16.66184	734.19299	734.20001	734.10003	13.67532	13.8	13.59999	15.12247	15.29999	14.89999	26.11843	26.23947	26.0178	1.44714	1.7	1.1	5.48826	0.01755	5.48694	220424899	4020210	76
08/23/2017 01:24:14	16.675	16.68855	16.66184	734.17108	734.20001	734.10003	13.5528	13.59999	13.5	15.06874	15.19999	14.89999	26.17705	26.26718	26.10093	1.51593	1.6	1.3	5.57162	0.00541	5.57055	220424899	4020210	76
08/23/2017 01:29:14	16.67395	16.68855	16.65793	734.15313	734.20001	734.10003	13.5101	13.59999	13.5	14.90133	15.09999	14.79999	26.22101	26.29489	26.12864	1.39123	1.59999	1.29999	5.65498	0.04043	5.65388	220424899	4020210	76
08/23/2017 01:34:14	16.67395	16.68855	16.65793	734.15313	734.20001	734.10003	13.5101	13.59999	13.5	14.90133	15.09999	14.79999	26.22101	26.29489	26.12864	1.39123	1.7	1.29999	5.73834	0.01746	5.73694	220424899	4020210	76
08/23/2017 01:39:14	16.67582	16.69192	16.65793	734.10003	734.10003	734.10003	13.45299	13.5	13.19999	14.88306	14.89999	14.79999	26.2364	26.3226	26.15635	1.43006	1.7	1.29999	5.82171	0.06333	5.82027	220424899	4020210	76
08/23/2017 01:44:14	16.67602	16.68703	16.65302	734.10003	734.10003	734.10003	13.20337	13.3	13.1	14.89325	14.89999	14.79999	26.24383	26.29489	26.15635	1.68987	1.8	1.5	5.90508	0.08083	5.90388	220424899	4020210	76
08/23/2017 01:49:14	16.67556	16.69192	16.66436	734.10003	734.10003	734.10003	13.1798	13.19999	13.1	14.89661	15.09999	14.79999	26.2454	26.3226	26.15635	1.7168	1.9	1.6	5.98846	0.09828	5.98722	220424899	4020210	76
08/23/2017 01:54:14	16.67556	16.69192	16.66436	734.10003	734.10003	734.10003	13.1798	13.19999	13.1	14.89661	15.09999	14.79999	26.2454	26.3226	26.15635	1.7168	1.8	1.5	6.07184	0.0404	6.07055	220424899	4020210	76
08/23/2017 01:59:14	16.67474	16.69192	16.6515	734.10003	734.10003	734.10003	13.13933	13.19999	13.1	14.77866	14.89999	14.69999	26.26578	26.3226	26.21176	1.63933	1.8	1.5	6.15521	0	6.15361	220424899	4020210	76
08/23/2017 02:04:13	16.67457	16.69192	16.6515	734.10003	734.10003	734.10003	13.09313	13.1	13	14.73363	14.79999	14.69999	26.29963	26.40572	26.23947	1.6405	1.8	1.6	6.2386	0.06335	6.23694	220424899	4020210	76
08/23/2017 02:09:13	16.67516	16.68801	16.65892	734.06628	734.10003	734	13.05046	13.1	13	14.68643	14.69999	14.59999	26.3243	26.40572	26.23947	1.63596	1.7	1.5	6.32197	0.04037	6.32027	220424899	4020210	76
08/23/2017 02:14:13	16.67553	16.69934	16.65892	734	734	734	12.99988	13.1	12.9	14.67399	14.69999	14.59999	26.35119	26.46113	26.26718	1.6741	1.8	1.6	6.40534	0.06335	6.40361	220424899	4020210	76
08/23/2017 02:19:14	16.67221	16.69934	16.65892	734	734	734	12.92018	13	12.9	14.61681	14.69999	14.59999	26.37807	26.46113	26.26718	1.69663	1.8	1.6	6.4887	0	6.48722	220424899	4020210	76
08/23/2017 02:24:14	16.67221	16.69934	16.65892	734	734	734	12.92018	13	12.9	14.61681	14.69999	14.59999	26.37807	26.46113	26.26718	1.69663	1.69999	1.59999	6.57205	0	6.57055	220424899	4020210	76

08/23/2017 02:29:13	16.6727	16.68898	16.65892	733.93402	734	733.90002	12.90672	13	12.9	14.59327	14.59999	14.49999	26.41328	26.51655	26.3226	1.68655	1.69999	1.59999	6.65539	0.04043	6.65361	220424899	4020210	76
08/23/2017 02:34:13	16.67301	16.68898	16.65012	733.90002	733.90002	733.90002	12.84588	12.9	12.69999	14.59313	14.59999	14.49999	26.46934	26.54426	26.40572	1.74725	1.9	1.59999	6.73874	0.04037	6.73694	220424899	4020210	76
08/23/2017 02:39:14	16.67399	16.69542	16.65012	733.90002	733.90002	733.90002	12.74036	12.9	12.69999	14.57074	14.59999	14.49999	26.51084	26.62739	26.40572	1.83037	2.1	1.8	6.8221	0.04038	6.82055	220424899	4020210	76
08/23/2017 02:44:13	16.67381	16.69542	16.65012	733.90002	733.90002	733.90002	12.68318	12.69999	12.6	14.61679	14.69999	14.49999	26.54896	26.65509	26.46113	1.93361	2.1	1.8	6.90546	0.04593	6.90361	220424899	4020210	76
08/23/2017 02:49:14	16.67483	16.69542	16.65012	733.90002	733.90002	733.90002	12.63584	12.69999	12.5	14.47855	14.59999	14.29999	26.58101	26.6828	26.46113	1.84271	1.8	1.6	6.98883	0	6.98722	220424899	4020210	76
08/23/2017 02:54:14	16.67631	16.69227	16.66478	733.88891	733.90002	733.80004	12.58426	12.69999	12.5	14.28305	14.29999	14.19999	26.6529	26.73821	26.57197	1.69878	1.8	1.6	7.07219	0.04871	7.07027	220424899	4020210	76
08/23/2017 02:59:13	16.67602	16.69227	16.64955	733.85821	733.90002	733.80004	12.53262	12.6	12.5	14.25393	14.29999	14.19999	26.66182	26.73821	26.59968	1.72131	1.8	1.6	7.15554	0.00898	7.15361	220424899	4020210	76
08/23/2017 03:04:14	16.67308	16.68993	16.64703	733.80658	733.90002	733.80004	12.50674	12.69999	12.5	14.20906	14.29999	14.19999	26.66995	26.76592	26.57197	1.70232	1.8	1.5	7.23889	0.06334	7.23694	220424899	4020210	76
08/23/2017 03:09:14	16.67406	16.6948	16.64703	733.82592	733.90002	733.80004	12.48654	12.5	12.4	14.17982	14.19999	13.99999	26.68778	26.76592	26.59968	1.69328	1.8	1.5	7.32225	0	7.32027	220424899	4020210	76
08/23/2017 03:14:13	16.67344	16.6948	16.64798	733.80206	733.90002	733.80004	12.46974	12.5	12.3	14.17311	14.19999	13.99999	26.67685	26.73821	26.59968	1.70337	1.9	1.5	7.40562	0	7.40361	220424899	4020210	76
08/23/2017 03:19:14	16.6753	16.69872	16.6519	733.88342	733.90002	733.80004	12.38217	12.5	12.3	14.1728	14.29999	13.99999	26.66918	26.76592	26.57197	1.79062	1.69999	1.09999	7.48899	0.08048	7.48722	220424899	4020210	76
08/23/2017 03:24:14	16.67464	16.68995	16.65446	733.80206	733.90002	733.80004	12.34619	12.4	12.3	13.73039	13.99999	13.39999	26.72452	26.84905	26.62739	1.38419	1.69999	1.09999	7.57236	0.04019	7.57027	220424899	4020210	76
08/23/2017 03:29:13	16.67472	16.6883	16.65446	733.80004	733.80004	733.80004	12.29899	12.4	12.1	13.36854	13.49999	13.29999	26.77632	26.84905	26.6828	1.06955	1.3	1	7.65571	0	7.65361	220424899	4020210	76
08/23/2017 03:34:14	16.67374	16.69311	16.64888	733.71881	733.80004	733.60003	12.07293	12.3	12	13.22482	13.39999	13.09999	26.82996	26.93217	26.76592	1.15188	1.4	1	7.73906	0.04923	7.73722	220424899	4020210	76
08/23/2017 03:39:14	16.67374	16.69311	16.64888	733.71881	733.80004	733.60003	12.07293	12.3	12	13.22482	13.39999	13.09999	26.82996	26.93217	26.76592	1.15188	1.8	1.3	7.82243	0	7.82055	220424899	4020210	76
08/23/2017 03:44:13	16.67514	16.7063	16.6595	733.64257	733.70001	733.60003	11.97293	12	11.9	13.48772	13.69999	13.29999	26.84206	26.93217	26.76592	1.51479	1.8	1.3	7.90578	0.00901	7.90361	220424899	4020210	76
08/23/2017 03:49:13	16.6732	16.69248	16.66849	733.58514	733.70001	733.5	11.91008	12	11.9	13.59663	13.59999	13.49999	26.85055	26.93217	26.79363	1.68655	1.69999	1.59999	7.98915	0.02305	7.98694	220424899	4020210	76
08/23/2017 03:54:14	16.67516	16.70069	16.6652	733.50909	733.60003	733.5	11.88643	11.9	11.8	13.29544	13.39999	13.09999	26.91843	27.043	26.82134	1.40901	1.6	1.19999	8.07252	0.04021	8.07055	220424899	4020210	76
08/23/2017 03:59:14	16.67649	16.70069	16.65392	733.50402	733.60003	733.5	11.80672	11.9	11.8	13.1471	13.29999	12.99999	26.96144	27.07071	26.87676	1.34037	1.5	1.19999	8.1559	0.10341	8.15388	220424899	4020210	76
08/23/2017 04:04:14	16.67649	16.70069	16.65392	733.50402	733.60003	733.5	11.80672	11.9	11.8	13.1471	13.29999	12.99999	26.96144	27.07071	26.87676	1.34037	1.5	1.19999	8.23929	0.02308	8.23694	220424899	4020210	76
08/23/2017 04:09:13	16.6739	16.69902	16.65226	733.5	733.5	733.5	11.73254	11.8	11.5	13.02573	13.09999	12.89999	26.96447	27.07071	26.87676	1.29319	1.5	1.19999	8.32272	0.02307	8.32027	220424899	4020210	76
08/23/2017 04:14:14	16.67172	16.69902	16.66353	733.5	733.5	733.5	11.48742	11.5	11.4	12.98318	13.09999	12.89999	27.0109	27.09842	26.90446	1.49576	1.6	1.4	8.40619	0	8.40388	220424899	4020210	76
08/23/2017 04:19:14	16.67324	16.69254	16.65873	733.51611	733.60003	733.5	11.45044	11.5	11.4	12.94611	12.99999	12.89999	27.01591	27.12613	26.90446	1.49567	1.59999	1.4	8.48965	0	8.48722	220424899	4020210	76
08/23/2017 04:24:14	16.67324	16.69254	16.65873	733.51611	733.60003	733.5	11.45044	11.5	11.4	12.94611	12.99999	12.89999	27.01591	27.12613	26.90446	1.49567	1.59999	1.4	8.57308	0	8.57027	220424899	4020210	76
08/23/2017 04:29:14	16.67582	16.69085	16.66353	733.50201	733.60003	733.5	11.40336	11.5	11.4	12.84609	12.89999	12.79999	27.08751	27.18154	27.01529	1.44273	1.5	1.39999	8.65652	0.04016	8.65361	220424899	4020210	76
08/23/2017 04:34:14	16.6757	16.68689	16.65311	733.45617	733.5	733.40002	11.32924	11.4	11.19999	12.79215	12.89999	12.69999	27.12785	27.20925	27.043	1.4629	1.6	1.3	8.73998	0.01707	8.73722	220424899	4020210	76
08/23/2017 04:39:14	16.67541	16.68689	16.65958	733.40002	733.40002	733.40002	11.27298	11.4	11.19999	12.70335	12.79999	12.49999	27.1469	27.20925	27.09842	1.43037	1.5	1.3	8.82342	0.04016	8.82055	220424899	4020210	76
08/23/2017 04:44:14	16.67508	16.69337	16.6489	733.41815	733.5	733.40002	11.22018	11.3	11.1	12.68992	12.79999	12.49999	27.16417	27.26467	27.09842	1.46974	1.6	1.19999	8.90684	0.04012	8.90388	220424899	4020210	76
08/23/2017 04:49:14	16.67508	16.69337	16.6489	733.41815	733.5	733.40002	11.22018	11.3	11.1	12.68992	12.79999	12.49999	27.16417	27.26467	27.09842	1.46974	1.6	1.19999	8.99025	0.01408	8.98694	220424899	4020210	76
08/23/2017 04:54:13	16.67477	16.70068	16.65958	733.38995	733.40002	733.30004	11.19325	11.19999	11.1	12.717	12.79999	12.49999	27.20278	27.29238	27.09842	1.52374	1.69999	1.3	9.07367	0	9.07027	220424899	4020210	76
08/23/2017 04:59:14	16.67472	16.70068	16.65958	733.36206	733.40002	733.30004	11.07985	11.19999	10.9	12.73596	12.79999	12.69999	27.24171	27.32009	27.15383	1.6561	1.89999	1.5	9.15709	0	9.15388	220424899	4020210	76
08/23/2017 05:04:14	16.67548	16.69815	16.65142	733.40002	733.40002	733.40002	11.01228	11.1	10.9	12.67286	12.69999	12.49999	27.24227	27.32009	27.15383	1.66057	1.8	1.39999	9.24051	0.04016	9.23722	220424899	4020210	76
08/23/2017 05:09:14	16.67548	16.69815	16.65142	733.40002	733.40002	733.40002	11.01228	11.1	10.9	12.67286	12.69999	12.49999	27.24227	27.32009	27.15383	1.66057	1.8	1.39999	9.32392	0.04016	9.32027	220424899	4020210	76
08/23/2017 05:14:13	16.67557	16.69815	16.65142	733.39703	733.40002	733.30004	10.9406	11.1	10.9	12.67483	12.69999	12.49999	27.26666	27.34779	27.18154	1.73422	1.8	1.39999	9.40735	0	9.40361	220424899	4020210	76
08/23/2017 05:19:14	16.67506	16.69815	16.66267	733.4096	733.5	733.40002	10.91142	11.1	10.9	12.63477	12.69999	12.49999	27.281	27.34779	27.23696	1.72334	1.8	1.39999	9.49082	0	9.48694	220424899	4020210	76
08/23/2017 05:24:13	16.673	16.69562	16.66015	733.49292	733.5	733.40002	10.89664	10.9	10.8	12.66635	12.69999	12.49999	27.26079	27.34779	27.15383	1.7697	1.9	1.59999	9.57428	0.04016	9.57027	220424899	4020210	76
08/23/2017 05:29:14	16.67545	16.6928	16.65958	733.41113	733.5	733.30004	10.86302	10.9	10.8	12.84488	13.09999	12.69999	27.28593	27.34779	27.15383	1.98186	2.19999	1.8	9.6577	0.009	9.65361	220424899	4020210	76
08/23/2017 05:34:14	16.6751	16.69447	16.63477	733.34442	733.40002	733.30004	10.87981	10.9	10.8	13.14707	13.29999	12.89999	27.27533	27.34779	27.18154	2.26726	2.5	2	9.74113	0	9.73722	220424899	4020210	76
08/23/2017 05:39:14	16.67297	16.68632	16.6525	733.30004	733.30004	733.30004	10.88656	10.9	10.8	13.06975	13.09999	12.99999	27.28151	27.34779	27.23696	2.18319	2.3	2.09999	9.82457	0.02308	9.82055	220424899	4020210	76
08/23/2017 05:44:13	16.67297	16.68632	16.6525	733.30004	733.30004	733.30004	10.88656	10.9	10.8	13.06975	13.09999	12.99999	27.28151	27.34779	27.23696	2.18319	2.3	2.09999	9.90801	0.04615	9.90361	220424899	4020210	76
08/23/2017 05:49:14	16.67539	16.68632	16.65897	733.29803	733.30004	733.20001	10.91682	11.1	10.8	13.00232	13.09999	12.89999	27.29992	27.3755	27.23696	2.0855	2.19999	1.89999	9.99148	0.02307	9.98722	220424899	4020210	76
08/23/2017 05:54:14	16.67531	16.6928	16.64604	733.29498	733.30004	733.20001	10.9202	11.1	10.9	13.00321	13.09999	12.89999	27.31254	27.40321	27.20925	2.083	2.19999	1.89999	10.07492	0	10.07055	220424899	4020210	76
08/23/2017 05:59:14	16.67531	16.6928	16.64604	733.29498	733.30004	733.20001	10.9202	11.1	10.9	13.00321	13.09999	12.89999	27.31254	27.40321	27.20925	2.083	2.19999	1.89999	10.15839	0	10.15361	220424899	4020210	76
08/23/2017 06:04:14	16.67475	16.6838	16.65478	733.41925	733.5	733.40002	10.92045	11.1	10.9	12.94035	12.99999	12.89999	27.30556	27.40321	27.23696	2.01989	2.09999	1.8	10.24184	0.04919	10.23722	220424899	4020210	76
08/23/2017 06:09:14	16.67475	16.6838	16.65478	733.41925	733.5	733.40002	10.92045	11.1	10.9	12.94035	12.99999	12.89999	27.30556	27.40321	27.23696	2.01989	2.09999	1.8	10.3253	0	10.32027	220424899	4020210	76
08/23/2017 06:14:14	16.67316	16.68606	16.661	733.58221	733.60003	733.5	10.94739	11.1	10.9	12.90686	12.99999	12.89999	27.30578	27.3755	27.23696	1.95946	2.09999	1.8	10.40877	0	10.40388	220424899	4020210	76
08/23/2017 06:19:14	16.67316	16.68606	16.661	733.58221	733.60003	733.5	10.94739	11.1	10.9	12.90686	12.99999	12.89999	27.30578	27.3755	27.23696	1.95946	2.09999	1.8	10.49221	0.02309	10.48694	220424899	4020210	76
08/23/2017 06:24:14	16.67383	16.69001	16.661	733.60205	733.70001	733.60003	10.94503	11.1	10.9	12.93595	12.99999	12.89999	27.35121	27.43091	27.26467	1.99092	2.09999	1.8	10.57564	0	10.57055	220424899	4020210	76
08/23/2017 06:29:14	16.67383	16.69001	16.661	733.60205	733.70001	733.60003	10.94503	11.1	10.9	12.93595	12.99999	12.89999	27.35121	27.43091	27.26467	1.99092	2.09999	1.8	10.65903	0.08028	10.65361	220424899	4020210	76
08/23/2017 06:34:14	16.67315	16.6948	16.65848	733.62268	733.70001	733.60003	10.9269	11.1	10.9	12.90336	12.99999	12.89999	27.38224	27.48633	27.29238	1.97646	2.09999	1.8	10.74241	0.08035	10.73694	220424899	4020210	76
08/23/2017 06:39:13	16.6755	16.69227	16.65848	733.70001	733.70001	733.70001	10.94706	11.1	10.9	12.92352	12.99999	12.89999	27.35093	27.43091	27.23696	1.97646	2.09999	1.8	10.82587	0	10.82027	220424899	4020210	76
08/23/2017 06:44:13	16.67467	16.69056	16.65201	733.70001	733.70001	733.70001	10.93363	11.1	10.9	12.80568	12.89999	12.69999	27.3699	27.45862	27.23696	1.87204	2	1.6	10.9093	0.04013	10.90361	220424899	4020210	76
08/23/2017 06:49:14	16.67747	16.70182	16.6551	733.70001	733.70001	733.70001	10.89328	10.9	10.8	12.62576	12.69999	12.49999	27.42872	27.54175	27.32009	1.73247	1.9	1.59999	10.99271	0.08019	10.98722	220424899	4020210	76
08/23/2017 06:54:13	16.67747	16.70182	16.6551	733.70001	733.70001	733.70001	10.89328	10.9	10.8	12.62576	12.69999	12.49999	27.42872	27.54175	27.32009	1.73247	1.9	1.59999	11.07614	0.04008	11.07027	220424899	4020210	76
08/23/2017 06:59:14	16.67677	16.68884	16.65987	733.7207	733.80004	733.70001	10.86973	10.9	10.8	12.46506	12.49999	12.29999	27.46231	27.54175	27.3755	1.59533	1.69999	1.39999	11.1596	0.04008	11.15388	220424899	4020210	76
08/23/2017 07:04:14	16.67677	16.68884	16.65987	733.7207	733.80004	733.70001	10.86973	10.9	10.8	12.46506	12.49999	12.29999	27.46231	27.54175	27.3755	1.59533	1.69999	1.39999	11.24304	0.04011	11.23694	220424899	4020210	76
08/23/2017 07:09:14	16.67521	16.68804	16.65258	733.80004	733.80004	733.80004	10.85632	10.9	10.8	12.52013	12.69999	12.49999	27.47594	27.56946	27.3755	1.66381	1.9	1.59999	11.32647	0	11.32055	220424899	4020210	76
08/23/2017 07:14:14	16.67521	16.68804	16.65258	733.80004	733.80004	733.80004	10.85632	10.9	10.8	12.52013	12.69999	12.49999	27.47594	27.56946	27.3755	1.66381	1.9	1.59999	11.40991	0	11.40361	220424899	4020210	76
08/23/2017 07:19:14	16.67548	16.68804	16.66382	733.80004	733.80004	733.80004	10.82251	10.9	10.8	12.53023	12.69999	12.39999	27.50786	27.59716	27.40321	1.70772	1.9	1.5	11.49337	0.0401	11.48694	220424899	4020210	76
08/23/2017 07:24:14	16.67599	16.68804	16.65006	733.81012	733.90002	733.80004	10.86405	10.9	10.8	12.60445	12.79999	12.49999	27.4993	27.59716	27.40321	1.7404	2	1.59999	11.5768	0	11.57027	220424899	4020210	76
08/23/2017 07:29:13	16.67494	16.68804	16.65006	733.85345	733.90002	733.80004	10.87983	10.9	10.8	12.64619	12.69999	12.49999	27.50486	27.59716	27.40321	1.76636	1.9	1.59999	11.66023	0.02309	11.65361	220424899	4020210	76
08/23/2017 07:34:14	16.67655	16.68974	16.65344	733.86822	733.90002	733.80004	11.0348	11.1	10.9	12.8674	12.99999	12.69999	27.53185	27.62487	27.45862	1.83259	2	1.69999	11.74367	0	11.73722	220424899	4020210	76
08/23/2017 07:39:14	16.67571	16.69848	16.6647	733.85699	733.90002	733.80004	11.12369	11.19999	10.9	12.92691	12.99999	12.89999	27.50478	27.59716	27.3755	1.80322	2	1.7	11.82712	0	11.82055	220424899	4020210	76
08/23/2017 07:44:14	16.67571	16.69848	16.6647	733.85699	733.90002	733.80004	11.12369	11.19999	10.9	12.92691	12.99999	12.89999	27.50478	27.59716	27.3755	1.80322	2	1.7	11.91055	0.04013	11.90361	220424899	4020210	76
08/23/2017 07:49:13	16.67546	16.69848	16.65823	733.90002	733.90002	733.90002	11.21025	11.3	11.19999	12.90337	12.99999	12.79999	27.4566	27.56946	27.34779	1.69311	1.8	1.6	11.99399	0.00899	11.98694	220424899	4020210	76
08/23/2017 07:54:13	16.67581	16.6937	16.65344	733.91211	734	733.90002	11.26655	11.4	11.19999	12.90671	12.99999	12.89999	27.44007	27.54175	27.3755	1.64015	1.7	1.5	12.07746	0.01708	12.07027	220424899	4020210	76
08/23/2017 07:59:14	16.67689	16.69933	16.66069	734	734	734	11.40351	11.5	11.4	13.27865	13.39999	13.09999	27.38939	27.48633	27.29238	1.64479	2	1.69999	12.16088	0.0402	12.15388	220424899	4020210	76
08/23/2017 08:04:14	16.67689	16.69933	16.66069	734	734	734	11.40351	11.5	11.4	13.27865	13.39999	13.09999	27.32344	27.43091	27.23696	1.87513	2	1.69999	12.24431	0.03435	12.23722	220424899	4020210	76
08/23/2017 08:09:14	16.6733	16.68972	16.64942	734	734	734	11.48655	11.69999	11.4	13.39328	13.59999	13.29999	27.30306	27.3755	27.23696	1.90673	2.1	1.7	12.32776	0	12.32027	220424899	4020210	76
08/23/2017 08:14:14	16.67208	16.69453	16.66069	734	734	734	11.80331	11.9	11.69999	13.41008	13.59999	13.29999	27.33496	27.43091	27.26467	1.60676	1.8	1.39999	12.41121	0.02305	12.40388	220424899	4020210	76
08/23/2017 08:19:14	16.67208	16.69453	16.66069	734	734	734	11.80331	11.9	11.69999	13.41008	13.59999	13.29999	27.33496	27.43091	27.26467	1.60676	1.8	1.39999	12.49465	0.1036	12.48694	220424899	4020210	76
08/23/2017 08:24:14	16.67446	16.69933	16.65909	734.00604	734.10003	734	11.89091	12	11.8	13.5486	13.99999	13.29999	27.3194	27.40321	27.23696	1.65768	2.09999	1.5	12.57806	0.04023	12.57027	220424899	4020210	76
08/23/2017 08:29:13	16.67485	16.69692	16.65657	734.07061	734.10003	734	11.95729	12	11.9	13.87277	14.09999	13.59999	27.29889	27.43091	27.20925	1.91548	2.1	1.6	12.66152	0.04032	12.65361	220424899	4020210	76
08/23/2017 08:34:14	16.67519	16.69692	16.65172	734.09552	734.10003	734	12.24154	12.3	12.1	14.01373	14.19999	13.89999	27.31987	27.43091	27.23696	1.77219	1.9	1.6	12.74492	0.03131	12.73722	220424899	4020210	76
08/23/2017 08:39:14	16.67519	16.69692	16.65172	734.09552	734.10003	734	12.24154	12.3	12.1	14.01373	14.19999	13.89999	27.31987	27.43091	27.23696	1.77219	2.3	1.8	12.82834	0.01746	12.82055	220424899	4020210	76
08/23/2017 08:44:14	16.67515	16.69778	16.64842	734.06775	734.10003	734	12.39093	12.5	12.3	14.44619	14.69999	14.19999	27.28748	27.40321	27.18154	2.05526	2.3	1.8	12.91176	0.04037	12.90361	220424899	4020210	76
08/23/2017 08:49:14	16.67595	16.69682	16.6515	734.10003	734.10003	734.10003	12.7608	12.9	12.6	14.82589	15.29999	14.29999	27.25412	27.3755	27.12613	2.06508	2.4	1.6	12.99519	0.0229	12.98722	220424899	4020210	76
08/23/2017 08:54:14	16.67554	16.69498	16.64168	734.10003	734.10003	734.10003	12.99444	13.1	12.9	15.11157	15.29999	14.89999	27.20787	27.32009	27.09842	2.11713	2.39999	1.9	13.07863	0.0229	13.07055	220424899	4020210	76
08/23/2017 08:59:14	16.67554	16.69498	16.64168	734.10003	734.10003	734.10003	12.99444	13.1	12.9	15.11157	15.29999	14.89999	27.20787	27.32009	27.09842	2.11713	2.39999	1.9	13.16202	0.03527	13.15361	220424899	4020210	76
08/23/2017 09:04:14	16.67638	16.69342	16.65496	734.17614	734.20001	734.10003	13.53243	13.59999	13.3	15.71374	16.09999	15.49999	27.23637	27.34779	27.12613	2.18131	2.5	1.9	13.24546	0.05442	13.23722	220424899	4020210	76
08/23/2017 09:09:14	16.67638	16.69342	16.65496	734.17614	734.20001	734.10003	13.53243	13.59999	13.3	15.71374	16.09999	15.49999	27.23637	27.34779	27.12613	2.18131	2.5	1.9	13.32888	0.04057	13.32027	220424899	4020210	76
08/23/2017 09:14:13	16.6751	16.68701	16.65785	734.15564	734.20001	734.10003	13.79215	14.09999	13.59999	15.9133	15.99999	15.79999	27.24786	27.32009	27.18154	2.12115	2.3	1.89999	13.41229	0.01771	13.40361	220424899	4020210	76
08/23/2017 09:19:14	16.67541	16.7048	16.65035	734.23883	734.30004	734.20001	14.36519	14.5	14.19999	16.10393	16.49999	15.89999	27.15017	27.29238	27.043	1.73874	2	1.5	13.4957	0.0406	13.48722	220424899	4020210	76

08/23/2017 09:24:14	16.67541	16.7048	16.65035	734.23883	734.30004	734.20001	14.36519	14.5	14.19999	16.10393	16.49999	15.89999	27.15017	27.29238	27.043	1.73874	2	1.5	13.57911	0.01779	13.57027	220424899	4020210	76
08/23/2017 09:29:14	16.67485	16.69485	16.65675	734.26556	734.30004	734.20001	14.65844	14.9	14.5	16.23089	16.49999	15.99999	27.14234	27.26467	27.043	1.57245	1.99999	1.3	13.66255	0.04065	13.65361	220424899	4020210	76
08/23/2017 09:34:14	16.67538	16.69652	16.65454	734.30004	734.30004	734.30004	15.18556	15.4	15	16.59039	16.89999	16.3	27.07681	27.18154	26.98759	1.40482	1.89999	1.09999	13.74599	0.04067	13.73722	220424899	4020210	76
08/23/2017 09:39:14	16.67388	16.70014	16.66092	734.30004	734.30004	734.30004	15.47753	15.69999	15.4	16.79918	16.99999	16.59999	27.06387	27.18154	26.95988	1.32164	1.59999	1.09999	13.82943	0	13.82055	220424899	4020210	76
08/23/2017 09:44:14	16.67388	16.70014	16.66092	734.30004	734.30004	734.30004	15.47753	15.69999	15.4	16.79918	16.99999	16.59999	27.06387	27.18154	26.95988	1.32164	1.59999	1.09999	13.91284	0.0862	13.90361	220424899	4020210	76
08/23/2017 09:49:13	16.67453	16.6915	16.66092	734.30914	734.40002	734.30004	15.76952	16	15.5	17.072	17.49999	16.69999	27.01326	27.15383	26.90446	1.30247	1.59999	1.09999	13.99627	0	13.98694	220424899	4020210	76
08/23/2017 09:54:14	16.67518	16.71201	16.65231	734.36608	734.40002	734.30004	16.03478	16.19999	15.9	17.4685	17.8	17.3	26.995	27.09842	26.87676	1.43371	1.7	1.2	14.07972	0.0408	14.07027	220424899	4020210	76
08/23/2017 09:59:14	16.67542	16.69687	16.6485	734.40606	734.5	734.40002	16.55073	16.69999	16.3	17.99746	18.39999	17.69999	26.86195	26.93217	26.76592	1.44672	1.8	1.1	14.16316	0.04539	14.15388	220424899	4020210	76
08/23/2017 10:04:14	16.67542	16.69687	16.6485	734.40606	734.5	734.40002	16.55073	16.69999	16.3	17.99746	18.39999	17.69999	26.86195	26.93217	26.76592	1.44672	1.8	1.1	14.24658	0.01369	14.23694	220424899	4020210	76
08/23/2017 10:09:14	16.67565	16.70071	16.65607	734.5	734.5	734.5	17.14406	17.3	16.9	18.45266	18.8	18.19999	26.82907	26.90446	26.71051	1.3086	1.6	1.1	14.32999	0.00434	14.32055	220424899	4020210	76
08/23/2017 10:14:14	16.67565	16.70071	16.65607	734.5	734.5	734.5	17.14406	17.3	16.9	18.45266	18.8	18.19999	26.82907	26.90446	26.71051	1.3086	1.4	0.9	14.4134	0.04091	14.40388	220424899	4020210	76
08/23/2017 10:19:14	16.67635	16.69808	16.65485	734.49902	734.5	734.40002	17.40447	17.5	17.3	18.53352	18.8	18.3	26.83793	26.90446	26.73821	1.12904	1.4	0.9	14.49685	0.04516	14.48694	220424899	4020210	76
08/23/2017 10:24:14	16.67584	16.69929	16.65848	734.49395	734.5	734.40002	17.69885	17.8	17.5	18.99493	19.3	18.49999	26.77064	26.87676	26.65509	1.29608	1.6	0.99999	14.58033	0.01845	14.57027	220424899	4020210	76
08/23/2017 10:29:13	16.67615	16.69546	16.65848	734.49395	734.5	734.40002	17.97195	18.09999	17.8	18.97708	19.49999	18.8	26.73493	26.79363	26.62739	1.00512	1.4	0.8	14.66378	0.02257	14.65361	220424899	4020210	76
08/23/2017 10:34:14	16.67604	16.69533	16.65966	734.5	734.5	734.5	18.27858	18.5	18.09999	19.38657	19.69999	18.99999	26.75355	26.93217	26.59968	1.10798	1.39999	0.7	14.74722	0.06772	14.73722	220424899	4020210	76
08/23/2017 10:39:14	16.6764	16.69879	16.65678	734.5	734.5	734.5	18.51459	18.59999	18.4	19.52072	19.89999	19.3	26.79083	26.87676	26.71051	1.00612	1.39999	0.7	14.83065	0.10072	14.82027	220424899	4020210	76
08/23/2017 10:44:14	16.6771	16.71032	16.65678	734.5	734.5	734.5	18.77203	19	18.59999	19.68764	19.99999	19.3	26.79075	26.87676	26.71051	0.91561	1.19999	0.69999	14.9141	0.04111	14.90361	220424899	4020210	76
08/23/2017 10:49:14	16.67352	16.68727	16.659	734.5	734.5	734.5	19.06739	19.19999	19	19.92605	19.99999	19.69999	26.78978	26.90446	26.6828	0.85865	0.99999	0.69999	14.99756	0.08228	14.98694	220424899	4020210	76
08/23/2017 10:54:13	16.67484	16.69688	16.659	734.5	734.5	734.5	19.32583	19.5	19.09999	20.21221	20.59999	19.99999	26.81325	26.98759	26.71051	0.88638	1.3	0.69999	15.081	0.02253	15.07027	220424899	4020210	76
08/23/2017 10:59:14	16.67576	16.69688	16.65696	734.5	734.5	734.5	19.79477	20.09999	19.69999	20.57497	20.89999	20.09999	26.87145	26.95988	26.76592	0.7802	1.09999	0.4	15.16441	0.06369	15.15388	220424899	4020210	76
08/23/2017 11:04:13	16.67576	16.69688	16.65696	734.5	734.5	734.5	19.79477	20.09999	19.69999	20.57497	20.89999	20.09999	26.87145	26.95988	26.76592	0.7802	1.09999	0.4	15.24781	0.08254	15.23694	220424899	4020210	76
08/23/2017 11:09:14	16.67541	16.70002	16.64013	734.50201	734.60003	734.5	20.31126	20.5	20.19999	21.00118	21.19999	20.8	26.84683	26.95988	26.6828	0.68991	1	0.39999	15.33122	0.01882	15.32055	220424899	4020210	76
08/23/2017 11:14:14	16.67541	16.70002	16.64013	734.50201	734.60003	734.5	20.31126	20.5	20.19999	21.00118	21.19999	20.8	26.84683	26.95988	26.6828	0.68991	0.8	0.19999	15.41461	0	15.40361	220424899	4020210	76
08/23/2017 11:19:14	16.67619	16.7053	16.65799	734.5	734.5	734.5	20.55535	20.8	20.4	21.10701	21.3	20.89999	26.86368	26.93217	26.79363	0.55165	0.8	0.19999	15.49805	0	15.48694	220424899	4020210	76
08/23/2017 11:24:13	16.67772	16.69674	16.66195	734.5	734.5	734.5	20.83393	21	20.69999	21.79958	22.49999	21.3	26.80857	26.90446	26.6828	0.96564	1.59999	0.5	15.58145	0.00329	15.57027	220424899	4020210	76
08/23/2017 11:29:14	16.67431	16.69239	16.66289	734.5	734.5	734.5	21.10482	21.4	20.9	22.19395	22.49999	21.89999	26.77762	26.90446	26.65509	1.08913	1.49999	0.69999	15.66489	0.12441	15.65361	220424899	4020210	76
08/23/2017 11:34:14	16.67431	16.69143	16.65129	734.44403	734.5	734.40002	21.70801	21.9	21.5	22.1497	22.49999	21.8	26.87144	26.95988	26.76592	0.45511	0.9	0	15.74832	0.02238	15.73722	220424899	4020210	76
08/23/2017 11:39:14	16.67431	16.69143	16.65129	734.44403	734.5	734.40002	21.70801	21.9	21.5	22.1497	22.49999	21.8	26.87144	26.95988	26.76592	0.45511	0.9	0	15.83174	0.00899	15.82027	220424899	4020210	76
08/23/2017 11:44:14	16.67626	16.69831	16.65288	734.34137	734.40002	734.30004	22.27102	22.5	22.09999	23.03997	23.49999	22.69999	26.82804	26.93217	26.6828	0.76895	1.19999	0.39999	15.91518	0.01922	15.90388	220424899	4020210	76
08/23/2017 11:49:14	16.67626	16.69831	16.65288	734.34137	734.40002	734.30004	22.27102	22.5	22.09999	23.03997	23.49999	22.69999	26.82804	26.93217	26.6828	0.76895	0.69999	0.3	15.99859	0	15.98694	220424899	4020210	76
08/23/2017 11:54:13	16.6753	16.69374	16.6471	734.24102	734.30004	734.20001	22.60456	22.69999	22.5	23.118	23.3	22.89999	26.83168	26.93217	26.71051	0.51344	0.69999	0.3	16.08205	0.04161	16.07027	220424899	4020210	76
08/23/2017 11:59:14	16.67585	16.70166	16.65415	734.21008	734.30004	734.20001	23.14926	23.3	22.9	23.5555	23.69999	23.19999	26.81127	26.90446	26.71051	0.40624	0.8	0.1	16.16548	0.08328	16.15388	220424899	4020210	76
08/23/2017 12:04:13	16.67585	16.70166	16.65415	734.21008	734.30004	734.20001	23.14926	23.3	22.9	23.5555	23.69999	23.19999	26.81127	26.90446	26.71051	0.40624	0.8	0.1	16.24889	0.06122	16.23694	220424899	4020210	76
08/23/2017 12:09:13	16.67707	16.6978	16.66018	734.20105	734.30004	734.10003	23.4055	23.5	23.19999	23.91592	24.19999	23.59999	26.78944	26.84905	26.73821	0.51042	0.8	0.3	16.33232	0.04175	16.32027	220424899	4020210	76
08/23/2017 12:14:14	16.67565	16.7011	16.6473	734.09954	734.20001	734	23.99546	24.09999	23.8	24.29441	24.49999	24.09999	26.79549	26.90446	26.71051	0.29894	0.69999	0	16.41566	0.01953	16.40388	220424899	4020210	76
08/23/2017 12:19:13	16.67565	16.7011	16.6473	734.09954	734.20001	734	23.99546	24.09999	23.8	24.29441	24.49999	24.09999	26.79549	26.90446	26.71051	0.29894	0.69999	0	16.49887	0.08359	16.48694	220424899	4020210	76
08/23/2017 12:24:13	16.6762	16.7033	16.64804	734.08221	734.10003	734	24.20128	24.4	24.09999	24.78193	24.99999	24.19999	26.77261	26.84905	26.71051	0.58064	0.9	0.09999	16.58207	0.00255	16.57027	220424899	4020210	76
08/23/2017 12:29:14	16.67369	16.70583	16.64395	734.0733	734.20001	734	24.48772	24.69999	24.4	24.73957	25.09999	24.49999	26.77817	26.87676	26.6828	0.27202	0.59999	0	16.66529	0.0812	16.65361	220424899	4020210	76
08/23/2017 12:34:14	16.67785	16.70583	16.63733	733.98285	734	733.90002	24.96755	25.09999	24.69999	25.51851	25.99999	24.99999	26.79332	26.90446	26.65509	0.55095	0.99999	0.09999	16.74851	0.04194	16.73722	220424899	4020210	76
08/23/2017 12:39:14	16.67785	16.70583	16.63733	733.98285	734	733.90002	24.96755	25.09999	24.69999	25.51851	25.99999	24.99999	26.79332	26.90446	26.65509	0.55095	0.99999	0.09999	16.83173	0.04418	16.82027	220424899	4020210	76
08/23/2017 12:44:13	16.67484	16.70298	16.64846	733.99597	734	733.90002	25.21127	25.3	25.09999	25.6385	25.89999	25.39999	26.78771	26.90446	26.65509	0.42722	0.6	0.19999	16.91495	0.01992	16.90361	220424899	4020210	76
08/23/2017 12:49:14	16.67552	16.70551	16.64664	733.92993	734	733.90002	25.44841	25.59999	25.3	25.87009	26.19999	25.49999	26.80529	26.90446	26.65509	0.42167	0.8	0.3	16.99816	0.04202	16.98722	220424899	4020210	76
08/23/2017 12:54:13	16.67552	16.70055	16.6478	733.90509	734	733.90002	25.69445	25.8	25.59999	26.24824	26.49999	25.99999	26.76787	26.90446	26.62739	0.55379	0.8	0.3	17.08136	0.08417	17.07027	220424899	4020210	76
08/23/2017 12:59:14	16.67477	16.69667	16.64943	733.89502	733.90002	733.80004	26.24134	26.4	26.09999	26.91426	27.19999	26.69999	26.76847	26.84905	26.6828	0.67291	1.1	0.3	17.16457	0.02008	17.15388	220424899	4020210	76
08/23/2017 13:04:14	16.67477	16.69667	16.64943	733.89502	733.90002	733.80004	26.24134	26.4	26.09999	26.91426	27.19999	26.69999	26.76847	26.84905	26.6828	0.67291	1.1	0.3	17.24778	0.06237	17.23694	220424899	4020210	76
08/23/2017 13:09:13	16.67645	16.70339	16.65659	733.89801	733.90002	733.80004	26.51682	26.69999	26.19999	27.171	27.69999	26.8	26.7396	26.84905	26.59968	0.65418	1.19999	0.39999	17.33098	0	17.32027	220424899	4020210	76
08/23/2017 13:14:13	16.67497	16.69559	16.64568	733.89398	733.90002	733.80004	26.78437	26.9	26.69999	27.58399	27.89999	27.3	26.71611	26.82134	26.59968	0.79961	1.19999	0.49999	17.41418	0.00173	17.40361	220424899	4020210	76
08/23/2017 13:19:14	16.67538	16.71107	16.65137	733.86157	733.90002	733.80004	27.31922	27.5	27.09999	27.63343	27.89999	26.89999	26.807	26.93217	26.6828	0.43059	0.8	0	17.49741	0.0843	17.48722	220424899	4020210	76
08/23/2017 13:24:14	16.67538	16.71107	16.65137	733.86157	733.90002	733.80004	27.31922	27.5	27.09999	27.63343	27.89999	26.89999	26.807	26.93217	26.6828	0.43059	0.8	0	17.58062	0.02194	17.57055	220424899	4020210	76
08/23/2017 13:29:14	16.67564	16.70744	16.64205	733.81616	733.90002	733.80004	27.56737	27.69999	27.5	27.61387	27.89999	26.89999	26.83787	26.93217	26.73821	0.18235	0.6	0	17.66383	0.0203	17.65361	220424899	4020210	76
08/23/2017 13:34:13	16.67696	16.70221	16.6482	733.80511	733.90002	733.80004	27.69126	27.9	27.59999	27.96224	28.3	27.49999	26.82472	26.90446	26.73821	0.2915	0.6	0	17.74704	0.0408	17.73694	220424899	4020210	76
08/23/2017 13:39:14	16.67481	16.7039	16.65477	733.80004	733.80004	733.80004	28.08018	28.3	28	28.53778	28.99999	27.99999	26.78779	26.87676	26.6828	0.46431	0.9	0	17.83025	0.02045	17.82055	220424899	4020210	76
08/23/2017 13:44:13	16.67481	16.7039	16.65477	733.80004	733.80004	733.80004	28.08018	28.3	28	28.53778	28.99999	27.99999	26.78779	26.87676	26.6828	0.46431	0.8	0	17.91346	0.00154	17.90388	220424899	4020210	76
08/23/2017 13:49:13	16.67493	16.7039	16.64984	733.80004	733.80004	733.80004	28.26975	28.5	28.09999	28.6969	29.09999	28.09999	26.77049	26.84905	26.65509	0.46746	0.8	0	17.99667	0	17.98694	220424899	4020210	76
08/23/2017 13:54:13	16.67655	16.70309	16.66133	733.80004	733.80004	733.80004	28.45492	28.5	28.3	28.40387	28.69999	28.09999	26.79592	26.87676	26.71051	0.15874	0.4	0	18.07987	0.04379	18.07027	220424899	4020210	76
08/23/2017 13:59:13	16.67662	16.69694	16.65519	733.80004	733.80004	733.80004	28.64148	28.69999	28.5	28.36987	28.69999	28.09999	26.79578	26.87676	26.71051	0.2716	0.6	0	18.16308	0.03086	18.15361	220424899	4020210	76
08/23/2017 14:04:14	16.67515	16.69528	16.65236	733.71582	733.80004	733.70001	28.91482	29.09999	28.69999	28.96978	29.3	28.59999	26.77212	26.84905	26.65509	0.20322	0.5	0	18.24628	0.05145	18.23722	220424899	4020210	76
08/23/2017 14:09:14	16.67515	16.69528	16.65236	733.71582	733.80004	733.70001	28.91482	29.09999	28.69999	28.96978	29.3	28.59999	26.77212	26.84905	26.65509	0.20322	0.5	0	18.3295	0	18.32027	220424899	4020210	76
08/23/2017 14:14:13	16.6752	16.70644	16.64661	733.70001	733.70001	733.70001	29.14389	29.19999	29.09999	29.01722	29.3	28.49999	26.79117	26.90446	26.62739	0.1804	0.7	0	18.4127	0.0424	18.40361	220424899	4020210	76
08/23/2017 14:19:14	16.67434	16.70106	16.65343	733.69494	733.70001	733.60003	29.37408	29.39999	29.3	29.20301	29.49999	28.89999	26.75585	26.82134	26.6828	0.21814	0.4	0	18.49591	0.04242	18.48722	220424899	4020210	76
08/23/2017 14:24:13	16.67434	16.70106	16.65343	733.69494	733.70001	733.60003	29.37408	29.39999	29.3	29.20301	29.49999	28.89999	26.75585	26.82134	26.6828	0.21814	0.4	0	18.57913	0	18.57027	220424899	4020210	76
08/23/2017 14:29:14	16.67537	16.70358	16.65016	733.66571	733.70001	733.60003	29.58541	29.7	29.39999	29.22454	29.59999	28.89999	26.77269	26.84905	26.65509	0.36087	0.8	0	18.66235	0.02183	18.65388	220424899	4020210	76
08/23/2017 14:34:13	16.67537	16.70358	16.65016	733.66571	733.70001	733.60003	29.58541	29.7	29.39999	29.22454	29.59999	28.89999	26.77269	26.84905	26.65509	0.36087	0.7	0.1	18.74557	0	18.73722	220424899	4020210	76
08/23/2017 14:39:13	16.67651	16.70428	16.66239	733.60711	733.70001	733.60003	29.7069	29.8	29.7	29.36212	29.59999	28.99999	26.76814	26.90446	26.59968	0.34478	0.7	0.1	18.82878	0.06428	18.82027	220424899	4020210	76
08/23/2017 14:44:14	16.67501	16.70358	16.65596	733.5642	733.60003	733.5	29.79682	29.89999	29.7	29.34129	29.59999	29.09999	26.77567	26.84905	26.71051	0.45553	0.7	0.2	18.91198	0	18.90388	220424899	4020210	76
08/23/2017 14:49:13	16.67501	16.70358	16.65596	733.5642	733.60003	733.5	29.79682	29.89999	29.7	29.34129	29.59999	29.09999	26.77567	26.84905	26.71051	0.45553	0.7	0.2	18.99519	0.04251	18.98694	220424899	4020210	76
08/23/2017 14:54:14	16.67309	16.69489	16.65268	733.50604	733.60003	733.5	29.82688	29.89999	29.8	29.46495	29.8	28.99999	26.76477	26.84905	26.65509	0.36193	0.9	0	19.07839	0.0206	19.07055	220424899	4020210	76
08/23/2017 14:59:14	16.67588	16.70611	16.64719	733.50305	733.60003	733.40002	29.86759	30	29.8	29.46835	29.89999	28.99999	26.7685	26.84905	26.6828	0.41265	1	0	19.1616	0	19.15388	220424899	4020210	76
08/23/2017 15:04:13	16.67588	16.70611	16.64719	733.50305	733.60003	733.40002	29.86759	30	29.8	29.46835	29.89999	28.99999	26.7685	26.84905	26.6828	0.41265	1	0	19.2448	0.0195	19.23694	220424899	4020210	76
08/23/2017 15:09:13	16.67398	16.69489	16.64909	733.49701	733.60003	733.40002	29.92592	30	29.8	29.52644	29.69999	29.19999	26.77076	26.82134	26.6828	0.39947	0.7	0.1	19.32801	0.02183	19.32027	220424899	4020210	76
08/23/2017 15:14:13	16.6748	16.69129	16.65848	733.41784	733.5	733.40002	29.93026	30	29.8	29.36243	29.59999	28.89999	26.75939	26.84905	26.65509	0.56782	1	0.2	19.41121	0.08493	19.40388	220424899	4020210	76
08/23/2017 15:19:13	16.67368	16.69095	16.65236	733.41412	733.5	733.40002	29.88636	30	29.8	29.12232	29.3	28.89999	26.77217	26.87676	26.65509	0.76403	1.1	0.5	19.49442	0.02956	19.48722	220424899	4020210	76
08/23/2017 15:24:13	16.67517	16.70321	16.64909	733.40002	733.40002	733.40002	29.85042	30	29.8	29.21211	29.49999	28.89999	26.79898	26.84905	26.71051	0.6383	1	0.3	19.57762	0.02183	19.57055	220424899	4020210	76
08/23/2017 15:29:13	16.67517	16.70321	16.64909	733.40002	733.40002	733.40002	29.85042	30	29.8	29.21211	29.49999	28.89999	26.79898	26.84905	26.71051	0.6383	1	0.3	19.66083	0	19.65361	220424899	4020210	76
08/23/2017 15:34:13	16.67472	16.69129	16.66066	733.40002	733.40002	733.40002	29.83699	30	29.8	29.12249	29.49999	28.89999	26.81676	26.90446	26.71051	0.7145	1	0.3	19.74403	0.04366	19.73694	220424899	4020210	76
08/23/2017 15:39:13	16.67512	16.70026	16.64641	733.32623	733.40002	733.30004	29.79999	29.89999	29.7	29.59932	29.89999	29.19999	26.78127	26.87676	26.71051	0.22084	0.6	0	19.82724	0.01395	19.82055	220424899	4020210	76
08/23/2017 15:44:13	16.67512	16.70026	16.64641	733.32623	733.40002	733.30004	29.79999	29.89999	29.7	29.59932	29.89999	29.19999	26.78127	26.87676	26.71051	0.22084	0.6	0	19.91045	0.00901	19.90361	220424899	4020210	76
08/23/2017 15:49:13	16.67486	16.70827	16.6342	733.25262	733.30004	733.20001	29.78757	29.8	29.7	29.4933	29.69999	28.89999	26.8138	26.90446	26.73821	0.29426	0.9	0	19.99365	0.04142	19.98722	220424899	4020210	76
08/23/2017 15:54:13	16.67486	16.70827	16.6342	733.25262	733.30004	733.20001	29.78757	29.8	29.7	29.4933	29.69999	28.89999	26.8138	26.90446	26.73821	0.29426	0.9	0	20.07686	0.02186	20.07027	220424899	4020210	76
08/23/2017 15:59:13	16.67509	16.70247	16.6397	733.19342	733.30004	733.10003	29.71682	29.8	29.5	29.31544	29.59999	28.99999	26.8259	26.87676	26.73821	0.40138	0.7	0.1	20.16006	0.01951	20.15388	220424899	4020210	76
08/23/2017 16:04:13	16.67509	16.70247	16.6397	733.19342	733.30004	733.10003	29.71682	29.8	29.5	29.31544	29.59999	28.99999	26.8259	26.87676	26.73821	0.40138	0.7	0.1	20.24327	0.09289	20.23694	220424899	4020210	76
08/23/2017 16:09:13	16.6749	16.7108	16.64474	733.0708	733.20001	733	29.68656	29.7	29.5	29.3282	29.49999	29.09999	26.86435	26.95988	26.73821	0.35836	0.6	0.2	20.32649	0.05648	20.32055	220424899	4020210	76
08/23/2017 16:14:13	16.6744	16.70753	16.64474	733.0072	733.10003	732.80004	29.65968	29.7	29.5	29.20561	29.59999	28.89999	26.86899	26.98759	26.76592	0.46079	0.8	0	20.40971	0.03347	20.40388	220424899	4020210	76

08/23/2017 16:19:13	16.6744	16.70753	16.64474	733.0072	733.10003	732.80004	29.65968	29.7	29.5	29.20561	29.59999	28.89999	26.86899	26.98759	26.76592	0.46079	0.8	0	20.49292	0	20.48694	220424899	4020210	76
08/23/2017 16:24:13	16.67434	16.69999	16.65811	732.82403	733	732.70001	29.61598	29.7	29.39999	29.37871	29.59999	28.99999	26.86938	26.98759	26.76592	0.26417	0.7	0	20.57613	0.02072	20.57027	220424899	4020210	76
08/23/2017 16:29:13	16.6729	16.70097	16.65039	732.83026	733	732.80004	29.58105	29.7	29.5	29.52986	29.8	29.19999	26.89785	27.01529	26.79363	0.1929	0.5	0	20.65934	0.02069	20.65388	220424899	4020210	76
08/23/2017 16:34:13	16.6729	16.70097	16.65039	732.83026	733	732.80004	29.58105	29.7	29.5	29.52986	29.8	29.19999	26.89785	27.01529	26.79363	0.1929	0.5	0	20.74256	0.09405	20.73694	220424899	4020210	76
08/23/2017 16:39:13	16.67453	16.70646	16.65231	732.80151	732.90002	732.70001	29.6257	29.7	29.5	29.33851	29.59999	29.19999	26.93311	27.07071	26.84905	0.30102	0.5	0	20.82576	0.04248	20.82027	220424899	4020210	76
08/23/2017 16:44:13	16.67425	16.69025	16.64979	732.79345	732.90002	732.70001	29.57432	29.7	29.5	29.34738	29.69999	28.89999	26.89458	26.98759	26.79363	0.28553	0.8	0	20.90898	0.04252	20.90361	220424899	4020210	76
08/23/2017 16:49:13	16.67511	16.69674	16.6426	732.69696	732.80004	732.60003	29.57427	29.7	29.5	29.36091	29.69999	28.99999	26.89346	27.01529	26.82134	0.26041	0.7	0	20.99219	0.02062	20.98722	220424899	4020210	76
08/23/2017 16:54:13	16.67511	16.69674	16.6426	732.69696	732.80004	732.60003	29.57427	29.7	29.5	29.36091	29.69999	28.99999	26.89346	27.01529	26.82134	0.26041	0.7	0	21.07539	0.04248	21.07027	220424899	4020210	76
08/23/2017 16:59:13	16.67499	16.70506	16.65451	732.60406	732.70001	732.60003	29.48318	29.7	29.39999	29.01679	29.19999	28.89999	26.96451	27.07071	26.84905	0.46639	0.7	0.19999	21.1586	0	21.15388	220424899	4020210	76
08/23/2017 17:04:13	16.67499	16.70506	16.65451	732.60406	732.70001	732.60003	29.48318	29.7	29.39999	29.01679	29.19999	28.89999	26.96451	27.07071	26.84905	0.46639	0.9	0	21.2418	0.04245	21.23694	220424899	4020210	76
08/23/2017 17:09:13	16.67496	16.7047	16.63831	732.60003	732.70001	732.5	29.43262	29.5	29.39999	29.05624	29.49999	28.49999	27.02244	27.12613	26.90446	0.38982	0.9	0	21.32501	0.08494	21.32027	220424899	4020210	76
08/23/2017 17:14:13	16.67474	16.7047	16.65021	732.58288	732.60003	732.5	29.39327	29.5	29.3	28.93099	29.19999	28.49999	27.00746	27.12613	26.90446	0.46227	0.9	0.19999	21.40822	0.05386	21.40361	220424899	4020210	76
08/23/2017 17:19:13	16.67424	16.69991	16.64944	732.53192	732.60003	732.5	29.2	29.39999	29.09999	28.16357	28.49999	27.89999	27.03147	27.12613	26.93217	1.03643	1.3	0.7	21.49143	0.02041	21.48722	220424899	4020210	76
08/23/2017 17:24:13	16.67446	16.69991	16.65156	732.49694	732.60003	732.40002	29.11245	29.19999	28.9	28.01659	28.39999	27.69999	27.02848	27.12613	26.93217	1.09586	1.4	0.7	21.57464	0.03095	21.57055	220424899	4020210	76
08/23/2017 17:29:13	16.67446	16.69991	16.65156	732.49694	732.60003	732.40002	29.11245	29.19999	28.9	28.01659	28.39999	27.69999	27.02848	27.12613	26.93217	1.09586	1.4	0.7	21.65784	0.00901	21.65361	220424899	4020210	76
08/23/2017 17:34:13	16.67389	16.70017	16.65593	732.4494	732.5	732.40002	28.69208	28.8	28.5	27.35371	27.69999	27.19999	27.08122	27.20925	26.95988	1.33836	1.6	1	21.74105	0	21.73722	220424899	4020210	76
08/23/2017 17:39:13	16.67389	16.70017	16.65593	732.4494	732.5	732.40002	28.69208	28.8	28.5	27.35371	27.69999	27.19999	27.08122	27.20925	26.95988	1.33836	1.6	1	21.82426	0.00901	21.82055	220424899	4020210	76
08/23/2017 17:44:13	16.67533	16.69147	16.65276	732.45544	732.60003	732.40002	28.45155	28.59999	28.3	27.27296	27.49999	26.89999	27.08825	27.18154	26.95988	1.17858	1.4	1	21.90748	0	21.90361	220424899	4020210	76
08/23/2017 17:49:13	16.67516	16.69967	16.65181	732.46215	732.60003	732.40002	28.20212	28.3	28.09999	26.9373	27.19999	26.69999	27.11966	27.20925	26.98759	1.26482	1.6	1	21.99068	0.0844	21.98694	220424899	4020210	76
08/23/2017 17:54:13	16.67449	16.69496	16.63947	732.36474	732.40002	732.30004	27.70449	28	27.59999	26.78281	26.89999	26.59999	27.16447	27.23696	27.043	0.92167	1.4	0.7	22.07388	0	22.07055	220424899	4020210	76
08/23/2017 17:59:13	16.67449	16.69496	16.63947	732.36474	732.40002	732.30004	27.70449	28	27.59999	26.78281	26.89999	26.59999	27.16447	27.23696	27.043	0.92167	1.4	0.7	22.15711	0.02207	22.15361	220424899	4020210	76
08/23/2017 18:04:13	16.67387	16.70679	16.64407	732.3081	732.40002	732.20001	27.23819	27.4	27.09999	26.19282	26.59999	25.89999	27.22305	27.29238	27.07071	1.04536	1.4	0.6	22.24031	0.00902	22.23722	220424899	4020210	76
08/23/2017 18:09:13	16.67477	16.69578	16.64181	732.24408	732.30004	732.20001	26.99545	27.09999	26.8	25.80453	25.99999	25.49999	27.22305	27.29238	27.07071	1.04536	1.5	1	22.32351	0.00902	22.32055	220424899	4020210	76
08/23/2017 18:14:13	16.67477	16.69578	16.64181	732.24408	732.30004	732.20001	26.99545	27.09999	26.8	25.80453	25.99999	25.49999	27.22928	27.34779	27.12613	1.19091	1.5	1	22.40675	0.03515	22.40361	220424899	4020210	76
08/23/2017 18:19:13	16.67576	16.7033	16.64181	732.19952	732.30004	732.10003	26.76854	26.9	26.69999	25.76092	25.89999	25.59999	27.20451	27.3755	27.09842	1.00762	1.2	0.8	22.48997	0.033	22.48694	220424899	4020210	76
08/23/2017 18:24:13	16.67348	16.69884	16.65732	732.22119	732.30004	732.10003	26.28871	26.4	26.19999	25.25135	25.59999	24.99999	27.25962	27.3755	27.15383	1.03736	1.3	0.8	22.57317	0.02447	22.57055	220424899	4020210	76
08/23/2017 18:29:13	16.67646	16.70571	16.64924	732.21667	732.30004	732.20001	26.05152	26.19999	25.8	25.14175	25.39999	24.99999	27.25808	27.3755	27.12613	0.90977	1.2	0.5	22.65642	0.06184	22.65388	220424899	4020210	76
08/23/2017 18:34:13	16.67646	16.70571	16.64924	732.21667	732.30004	732.20001	26.05152	26.19999	25.8	25.14175	25.39999	24.99999	27.25808	27.3755	27.12613	0.90977	1.2	0.5	22.73963	0.03117	22.73694	220424899	4020210	76
08/23/2017 18:39:13	16.67357	16.70069	16.64859	732.2163	732.30004	732.10003	25.76855	26.09999	25.69999	24.99672	25.39999	24.8	27.29109	27.40321	27.15383	0.77182	1	0.4	22.82285	0.00902	22.82027	220424899	4020210	76
08/23/2017 18:44:13	16.67419	16.71175	16.65231	732.11279	732.20001	732.10003	25.37504	25.5	25.19999	24.46059	24.69999	24.3	27.35505	27.43091	27.26467	0.91445	1.1	0.8	22.90608	0	22.90388	220424899	4020210	76
08/23/2017 18:49:13	16.67419	16.71175	16.65231	732.11279	732.20001	732.10003	25.37504	25.5	25.19999	24.46059	24.69999	24.3	27.35505	27.43091	27.26467	0.91445	1.1	0.8	22.98929	0.02483	22.98694	220424899	4020210	76
08/23/2017 18:54:13	16.67381	16.70955	16.65018	732.11712	732.20001	732	25.0988	25.3	25	24.09812	24.39999	23.8	27.39085	27.45862	27.29238	1.00068	1.3	0.7	23.0725	0.10312	23.07027	220424899	4020210	76
08/23/2017 18:59:13	16.67332	16.69258	16.64791	732.04998	732.10003	732	24.5347	24.69999	24.4	23.48509	23.69999	23.3	27.36667	27.45862	27.29238	1.04961	1.2	0.9	23.1557	0.08344	23.15388	220424899	4020210	76
08/23/2017 19:04:13	16.67332	16.69258	16.64791	732.04998	732.10003	732	24.5347	24.69999	24.4	23.48509	23.69999	23.3	27.36667	27.45862	27.29238	1.04961	1.2	0.9	23.2389	0	23.23694	220424899	4020210	76
08/23/2017 19:09:13	16.67419	16.69099	16.64713	732.05603	732.10003	732	24.30519	24.5	24.09999	23.22921	23.49999	23.09999	27.35831	27.45862	27.23696	1.07598	1.2	0.9	23.32211	0.02964	23.32027	220424899	4020210	76
08/23/2017 19:14:13	16.67401	16.69958	16.64129	732.19024	732.20001	732.10003	23.69511	23.8	23.5	22.41412	22.59999	22.09999	27.40655	27.51404	27.29238	1.28099	1.5	1.2	23.40532	0.08312	23.40388	220424899	4020210	76
08/23/2017 19:19:13	16.67401	16.69958	16.64129	732.19024	732.20001	732.10003	23.69511	23.8	23.5	22.41412	22.59999	22.09999	27.40655	27.51404	27.29238	1.28099	1.5	1.2	23.48853	0.01671	23.48694	220424899	4020210	76
08/23/2017 19:24:13	16.67362	16.7031	16.65028	732.2091	732.30004	732.10003	23.35465	23.5	23.09999	21.87696	22.3	21.49999	27.42781	27.54175	27.32009	1.47769	1.6	1.2	23.57174	0.03145	23.57027	220424899	4020210	76
08/23/2017 19:29:13	16.67484	16.68661	16.64397	732.25067	732.30004	732.20001	22.60072	22.8	22.19999	20.92362	21.19999	20.69999	27.3894	27.48633	27.29238	1.6771	1.8	1.5	23.65495	0.00988	23.65388	220424899	4020210	76
08/23/2017 19:34:13	16.67484	16.68661	16.64397	732.25067	732.30004	732.20001	22.60072	22.8	22.19999	20.92362	21.19999	20.69999	27.3894	27.48633	27.29238	1.6771	1.8	1.5	23.73816	0.06749	23.73694	220424899	4020210	76
08/23/2017 19:39:13	16.67455	16.70877	16.65255	732.28729	732.40002	732.20001	22.16838	22.5	21.9	20.57049	20.8	20.3	27.35711	27.43091	27.29238	1.59789	1.9	1.3	23.82136	0.0187	23.82055	220424899	4020210	76
08/23/2017 19:44:13	16.67534	16.70411	16.65046	732.27484	732.30004	732.20001	21.69991	22	21.5	20.12442	20.3	19.89999	27.35979	27.43091	27.23696	1.57548	1.7	1.4	23.90457	0.01858	23.90361	220424899	4020210	76
08/23/2017 19:49:13	16.67378	16.6956	16.65298	732.27587	732.40002	732.20001	21.257	21.5	21	19.75778	19.99999	19.39999	27.35086	27.40321	27.23696	1.49922	1.7	1.4	23.98777	0.02261	23.98694	220424899	4020210	76
08/23/2017 19:54:13	2.20815	16.68585	0	732.33368	732.5	732.30004	20.40339	20.5	20.3	18.84837	18.99999	18.69999	9.15519	27.40321	6.20659	1.55502	1.7	1.4	24.00116	0	24	220424899	4020210	76
08/24/2017 08:37:07	2.20815	16.68585	0	732.33368	732.5	732.30004	20.40339	20.5	20.3	18.84837	18.99999	18.69999	9.15519	27.40321	6.20659	1.55502	1.7	1.4	24.00116	0	24	220424899	4020210	76
08/24/2017 08:42:07	0	0	0	731.50177	732.30004	731	12.54398	20.19999	12.1	14.92342	18.69999	14.59999	7.89158	8.42323	0	2.4787	3	1.5	24.00116	0	24	220424899	4020210	76
08/24/2017 08:47:07	0	0	0	731.52349	731.60003	731.40002	12.51743	12.69999	12.3	14.77986	14.89999	14.69999	8.19078	8.25698	8.03532	2.26242	2.5	2	0.03387	0.01759	0.035	220424953	4020310	76
08/24/2017 08:52:07	16.67807	16.70219	16.65672	731.90405	732	731.80004	12.99061	13.1	12.9	14.81677	14.89999	14.69999	26.56232	26.73821	26.35031	1.82616	2	1.69999	0.11727	0.04957	0.11861	220424953	4020310	76
08/24/2017 08:57:07	16.67807	16.70219	16.65672	731.90405	732	731.80004	12.99061	13.1	12.9	14.81677	14.89999	14.69999	26.56232	26.73821	26.35031	1.82616	2	1.69999	0.20064	0.01758	0.20166	220424953	4020310	76
08/24/2017 09:02:07	16.67531	16.69369	16.64673	732.10034	732.20001	732	13.08657	13.19999	13	14.98387	15.09999	14.79999	26.89263	27.043	26.76592	1.8973	2.1	1.69999	0.28402	0	0.28527	220424953	4020310	76
08/24/2017 09:07:07	16.67531	16.69369	16.64673	732.10034	732.20001	732	13.08657	13.19999	13	14.98387	15.09999	14.79999	26.89263	27.043	26.76592	1.8973	2.1	1.69999	0.3674	0	0.36833	220424953	4020310	76
08/24/2017 09:12:07	16.67758	16.70253	16.65557	732.19799	732.20001	732.10003	13.18725	13.3	13.1	15.01748	15.29999	14.79999	27.03093	27.12613	26.93217	1.83022	2.1	1.6	0.45079	0.02289	0.45166	220424953	4020310	76
08/24/2017 09:17:07	16.67663	16.69411	16.65597	732.23559	732.30004	732.20001	13.4007	13.5	13.19999	15.27649	15.49999	15.09999	27.10277	27.18154	27.01529	1.87578	2.3	1.59999	0.53417	0.0456	0.535	220424953	4020310	76
08/24/2017 09:22:07	16.67672	16.69556	16.65524	732.25268	732.30004	732.20001	13.5302	13.59999	13.5	15.86041	16.59999	15.29999	27.13208	27.20925	27.043	2.3302	2.8	2.1	0.61754	0.06848	0.61861	220424953	4020310	76
08/24/2017 09:27:07	16.67439	16.69728	16.65023	732.32623	732.40002	732.30004	13.72084	13.9	13.59999	16.11807	16.39999	15.89999	27.2208	27.32009	27.07071	2.39723	2.8	2.1	0.70092	0.01795	0.70166	220424953	4020310	76
08/24/2017 09:32:07	16.67601	16.70254	16.6477	732.3507	732.40002	732.30004	14.03823	14.19999	13.8	16.3758	16.59999	15.99999	27.29482	27.3755	27.18154	2.33757	2.49999	1.9	0.78431	0.00901	0.78527	220424953	4020310	76
08/24/2017 09:37:07	16.67691	16.69364	16.65547	732.40606	732.5	732.30004	14.29395	14.4	14.09999	16.56643	16.89999	16.3	27.32082	27.40321	27.23696	2.27248	2.49999	1.9	0.86768	0.08152	0.86833	220424953	4020310	76
08/24/2017 09:42:07	16.67507	16.69381	16.65948	732.51641	732.60003	732.40002	14.8738	15.09999	14.8	16.90668	17.19999	16.59999	27.35634	27.43091	27.26467	2.03288	2.3	1.69999	0.95106	0.00431	0.95194	220424953	4020310	76
08/24/2017 09:47:07	16.67507	16.69381	16.65948	732.51641	732.60003	732.40002	14.8738	15.09999	14.8	16.90668	17.19999	16.59999	27.35634	27.43091	27.26467	2.03288	2.3	1.69999	1.03445	0.05456	1.035	220424953	4020310	76
08/24/2017 09:52:07	16.67698	16.70406	16.65057	732.5205	732.60003	732.5	15.10064	15.4	15	17.19318	17.59999	16.89999	27.37251	27.45862	27.29238	2.09253	2.5	1.69999	1.11783	0.00902	1.11861	220424953	4020310	76
08/24/2017 09:57:07	16.67549	16.71176	16.65572	732.55169	732.60003	732.5	15.4604	15.69999	15.4	17.41602	17.69999	17.19999	27.37781	27.48633	27.29238	1.95561	2.19999	1.69999	1.20119	0.04082	1.20166	220424953	4020310	76
08/24/2017 10:02:07	16.67589	16.69777	16.65576	732.66778	732.80004	732.60003	16.0443	16.19999	15.9	17.78995	18.19999	17.3	27.3344	27.51404	27.23696	1.74565	2.1	1.4	1.28457	0	1.28527	220424953	4020310	76
08/24/2017 10:07:07	16.67589	16.69777	16.65576	732.66778	732.80004	732.60003	16.0443	16.19999	15.9	17.78995	18.19999	17.3	27.3344	27.51404	27.23696	1.74565	2.1	1.4	1.36795	0.04091	1.36833	220424953	4020310	76
08/24/2017 10:12:07	16.676	16.6978	16.64937	732.74835	732.80004	732.70001	16.56379	16.69999	16.5	18.12302	18.69999	17.69999	27.28984	27.3755	27.23696	1.55923	2.1	1.19999	1.45133	0.03629	1.45194	220424953	4020310	76
08/24/2017 10:17:07	16.676	16.6978	16.64937	732.74835	732.80004	732.70001	16.56379	16.69999	16.5	18.12302	18.69999	17.69999	27.28984	27.3755	27.23696	1.55923	2.1	1.19999	1.53471	0.02692	1.535	220424953	4020310	76
08/24/2017 10:22:07	16.67595	16.69264	16.65816	732.78997	732.90002	732.70001	16.81475	17.09999	16.59999	18.5073	18.8	18.3	27.25669	27.32009	27.18154	1.69255	1.9	1.49999	1.61808	0.04095	1.61833	220424953	4020310	76
08/24/2017 10:27:07	16.67587	16.69141	16.65695	732.82019	732.90002	732.80004	17.15367	17.4	16.9	18.26306	18.49999	18.09999	27.28118	27.43091	27.15383	1.10938	1.4	0.8	1.70147	0.02262	1.70166	220424953	4020310	76
08/24/2017 10:32:07	16.6764	16.71172	16.65049	732.82959	732.90002	732.80004	17.34768	17.5	17.19999	18.63964	18.89999	18.19999	27.26506	27.40321	27.20925	1.29196	1.49999	1	1.78484	0.04106	1.78527	220424953	4020310	76
08/24/2017 10:37:07	16.67461	16.69372	16.65167	732.89599	732.90002	732.80004	17.63829	17.8	17.4	18.88723	18.99999	18.69999	27.22079	27.32009	27.15383	1.24894	1.49999	1	1.86822	0.0411	1.86833	220424953	4020310	76
08/24/2017 10:42:07	16.67604	16.6897	16.64359	732.89599	732.90002	732.80004	17.8658	18	17.5	19.19535	19.59999	18.89999	27.23565	27.34779	27.09842	1.32955	1.69999	1.09999	1.9516	0.0411	1.95166	220424953	4020310	76
08/24/2017 10:47:07	16.67488	16.70123	16.64132	732.90539	733	732.90002	18.39528	18.5	18.09999	19.18933	19.59999	18.89999	27.23258	27.32009	27.12613	0.79405	1.2	0.49999	2.03498	0.005	2.03527	220424953	4020310	76
08/24/2017 10:52:07	16.67488	16.70123	16.64132	732.90539	733	732.90002	18.39528	18.5	18.09999	19.18933	19.59999	18.89999	27.23258	27.32009	27.12613	0.79405	1.2	0.49999	2.11835	0.06763	2.11833	220424953	4020310	76
08/24/2017 10:57:07	16.6744	16.69307	16.65511	732.90002	733	732.80004	18.76444	18.9	18.59999	19.61343	19.89999	19.3	27.18629	27.26467	27.09842	0.84899	1.19999	0.59999	2.20172	0.06764	2.20194	220424953	4020310	76
08/24/2017 11:02:07	16.6744	16.69307	16.65511	732.90002	733	732.80004	18.76444	18.9	18.59999	19.61343	19.89999	19.3	27.18629	27.26467	27.09842	0.84899	1.19999	0.59999	2.2851	0.04508	2.285	220424953	4020310	76
08/24/2017 11:07:07	16.67548	16.70049	16.65481	732.90203	733	732.80004	19.00404	19.09999	18.9	19.98054	20.19999	19.69999	27.15886	27.20925	27.043	0.9765	1.3	0.6	2.36848	0.04124	2.36833	220424953	4020310	76
08/24/2017 11:12:07	16.67525	16.69357	16.64898	732.86242	733	732.80004	19.38454	19.5	19.19999	20.26711	20.59999	19.89999	27.29487	27.40321	27.01529	0.88256	1.4	0.39999	2.45186	0.00901	2.45194	220424953	4020310	76
08/24/2017 11:17:07	16.67525	16.69357	16.64898	732.86242	733	732.80004	19.38454	19.5	19.19999	20.26711	20.59999	19.89999	27.29487	27.40321	27.01529	0.88256	1.4	0.39999	2.53525	0.05022	2.535	220424953	4020310	76
08/24/2017 11:22:07	16.67471	16.70009	16.66158	732.90307	733	732.80004	19.78391	19.9	19.69999	20.553	20.89999	20.19999	27.284	27.3755	27.20925	0.76909	1.09999	0.4	2.61862	0.00901	2.61861	220424953	4020310	76
08/24/2017 11:27:07	16.67471	16.70009	16.66158	732.90307	733	732.80004	19.78391	19.9	19.69999	20.553	20.89999	20.19999	27.284	27.3755	27.20925	0.76909	1.09999	0.4	2.70199	0.04129	2.70166	220424953	4020310	76
08/24/2017 11:32:07	16.6761	16.70262	16.65378	732.99701	733.10003	732.90002	20.14026	20.19999	19.9	20.5832	20.69999	20.19999	27.275	27.3755	27.18154	0.44294	0.69999	0	2.78537	0.02249	2.78527	220424953	4020310	76
08/24/2017 11:37:07	16.6761	16.70262	16.65378	732.99701	733.10003	732.90002	20.14026	20.19999	19.9	20.5832	20.69999	20.19999	27.275	27.3755	27.18154	0.44294	0.69999	0.19999	2.86874	0.06378	2.86861	220424953	4020310	76
08/24/2017 11:42:07	16.67567	16.69586	16.65102	732.98657	733.10003	732.90002	20.28385	20.4	20.19999	20.74089	20.89999	20.59999	27.26792	27.34779	27.15383	0.45704	0.69999	0.19999	2.95211	0.00901	2.95166	220424953	4020310	76
08/24/2017 11:47:07	16.67628	16.69885	16.65677	732.99292	733.10003	732.90002	20.60406	20.8	20.4	21.40605	21.8	21.19999	27.19931	27.29238	27.07071	0.80199	1.19999	0.5	3.03549	0.08624	3.03527	220424953	4020310	76

08/24/2017 11:52:07	16.67628	16.69885	16.65677	732.99292	733.10003	732.90002	20.60406	20.8	20.4	21.40605	21.8	21.19999	27.19931	27.29238	27.07071	0.80199	1.19999	0.5	3.11886	0.02581	3.11833	220424953	4020310	76
08/24/2017 11:57:07	16.67512	16.69256	16.64892	732.9497	733.10003	732.90002	20.96373	21	20.8	21.31073	21.69999	21.09999	27.25011	27.3755	27.15383	0.347	0.8	0.19999	3.20224	0.01682	3.20194	220424953	4020310	76
08/24/2017 12:02:07	16.67586	16.70235	16.65145	732.9624	733.10003	732.90002	21.0604	21.09999	21	21.61277	21.99999	21.19999	27.19901	27.29238	26.98759	0.55236	0.9	0.1	3.28561	0.03813	3.28527	220424953	4020310	76
08/24/2017 12:07:07	16.67586	16.70235	16.65145	732.9624	733.10003	732.90002	21.0604	21.09999	21	21.61277	21.99999	21.19999	27.19901	27.29238	26.98759	0.55236	0.9	0.1	3.369	0.08303	3.36833	220424953	4020310	76
08/24/2017 12:12:07	16.67406	16.69351	16.65425	732.94464	733	732.90002	21.46978	21.59999	21.4	22.06644	22.3	21.8	27.22668	27.34779	27.12613	0.59665	0.9	0.39999	3.45237	0.05158	3.45194	220424953	4020310	76
08/24/2017 12:17:07	16.67406	16.69351	16.65425	732.94464	733	732.90002	21.46978	21.59999	21.4	22.06644	22.3	21.8	27.22668	27.34779	27.12613	0.59665	0.9	0.39999	3.53574	0.07609	3.535	220424953	4020310	76
08/24/2017 12:22:07	16.67423	16.69616	16.64779	732.90503	733	732.90002	21.78386	22	21.69999	22.38229	22.99999	21.99999	27.22022	27.32009	27.12613	0.59843	1.19999	0.3	3.61911	0.11878	3.61861	220424953	4020310	76
08/24/2017 12:27:07	16.67423	16.69616	16.64779	732.90503	733	732.90002	21.78386	22	21.69999	22.38229	22.99999	21.99999	27.22022	27.32009	27.12613	0.59843	0.89999	0.19999	3.70248	0.01926	3.70194	220424953	4020310	76
08/24/2017 12:32:07	16.6742	16.69616	16.65768	732.90704	733	732.90002	22.0067	22.09999	21.9	22.51018	22.89999	22.09999	27.22263	27.32009	27.15383	0.50347	0.89999	0.19999	3.78586	0.07416	3.785	220424953	4020310	76
08/24/2017 12:37:07	16.67561	16.70491	16.64405	732.92352	733	732.90002	22.30401	22.5	22.19999	23.08453	23.59999	22.59999	27.23601	27.34779	27.12613	0.78052	1.4	0.09999	3.86924	0	3.86861	220424953	4020310	76
08/24/2017 12:42:07	16.67561	16.70491	16.64405	732.92352	733	732.90002	22.30401	22.5	22.19999	23.08453	23.59999	22.59999	27.23601	27.34779	27.12613	0.78052	0.69999	0	3.95262	0.0446	3.95194	220424953	4020310	76
08/24/2017 12:47:07	16.67591	16.70242	16.64612	732.91412	733	732.90002	22.53692	22.69999	22.5	22.96644	23.19999	22.59999	27.26011	27.3755	27.20925	0.42952	0.69999	0	4.03601	0.04458	4.035	220424953	4020310	76
08/24/2017 12:52:07	16.67638	16.70327	16.65572	732.88354	733	732.80004	22.6906	22.8	22.59999	23.08054	23.3	22.89999	27.26783	27.34779	27.12613	0.38994	0.6	0.19999	4.11938	0	4.11833	220424953	4020310	76
08/24/2017 12:57:07	16.67603	16.69784	16.6511	732.86346	732.90002	732.80004	22.82417	22.9	22.69999	23.24372	23.8	22.99999	27.28075	27.3755	27.18154	0.41954	0.9	0.19999	4.20275	0.03127	4.20166	220424953	4020310	76
08/24/2017 13:02:07	16.67462	16.70824	16.64446	732.80804	733	732.60003	23.02082	23.09999	22.9	23.36697	24.09999	22.99999	27.32012	27.43091	27.15383	0.35956	1.19999	0.1	4.28613	0.08343	4.285	220424953	4020310	76
08/24/2017 13:07:07	16.67575	16.70452	16.65572	732.76513	732.90002	732.60003	23.14363	23.19999	23.09999	23.49125	24.09999	22.99999	27.27556	27.3755	27.18154	0.36776	0.9	0.1	4.36949	0.08992	4.36833	220424953	4020310	76
08/24/2017 13:12:07	16.67539	16.70608	16.64675	732.695	732.90002	732.5	23.24697	23.4	23.19999	23.87455	24.19999	23.49999	27.27461	27.34779	27.15383	0.62757	1	0.3	4.45286	0.08365	4.45166	220424953	4020310	76
08/24/2017 13:17:07	16.6752	16.70134	16.65	732.51879	732.80004	732.30004	23.43019	23.5	23.4	24.1772	24.39999	23.89999	27.30085	27.40321	27.20925	0.747	0.99999	0.39999	4.53625	0.00651	4.535	220424953	4020310	76
08/24/2017 13:22:07	16.67557	16.69863	16.65463	732.37487	732.5	732.20001	23.80406	24	23.69999	24.65768	24.89999	24.3	27.32187	27.40321	27.23696	0.85361	1.1	0.5	4.61962	0.0024	4.61861	220424953	4020310	76
08/24/2017 13:27:07	16.67557	16.69863	16.65463	732.37487	732.5	732.20001	23.80406	24	23.69999	24.65768	24.89999	24.3	27.32187	27.40321	27.23696	0.85361	1.1	0.5	4.70298	0.08622	4.70166	220424953	4020310	76
08/24/2017 13:32:07	16.67554	16.70116	16.64303	732.32318	732.40002	732.20001	24.13695	24.4	24	24.84305	25.49999	24.39999	27.35216	27.45862	27.20925	0.7061	1.4	0.3	4.78635	0.04194	4.78527	220424953	4020310	76
08/24/2017 13:37:07	16.67554	16.70116	16.64303	732.32318	732.40002	732.20001	24.13695	24.4	24	24.84305	25.49999	24.39999	27.35216	27.45862	27.20925	0.7061	1.09999	0.19999	4.86972	0	4.86833	220424953	4020310	76
08/24/2017 13:42:07	16.6739	16.69443	16.64671	732.36578	732.5	732.30004	24.4141	24.5	24.3	25.00409	25.39999	24.69999	27.35914	27.43091	27.23696	0.58999	1.09999	0.19999	4.95308	0	4.95166	220424953	4020310	76
08/24/2017 13:47:07	16.6764	16.69761	16.64489	732.32257	732.5	732.20001	24.65053	24.69999	24.5	25.38578	25.89999	24.8	27.36711	27.45862	27.26467	0.73524	1.19999	0.19999	5.03646	0	5.03527	220424953	4020310	76
08/24/2017 13:52:07	16.6764	16.69761	16.64489	732.32257	732.5	732.20001	24.65053	24.69999	24.5	25.38578	25.89999	24.8	27.36711	27.45862	27.26467	0.73524	1.19999	0.19999	5.11983	0.05739	5.11833	220424953	4020310	76
08/24/2017 13:57:07	16.67483	16.70873	16.64303	732.39599	732.5	732.30004	25.04699	25.09999	25	25.40264	25.69999	24.99999	27.36044	27.43091	27.29238	0.35564	0.6	0	5.20319	0.0131	5.20194	220424953	4020310	76
08/24/2017 14:02:07	16.67483	16.70873	16.64303	732.39599	732.5	732.30004	25.04699	25.09999	25	25.40264	25.69999	24.99999	27.36044	27.43091	27.29238	0.35564	0.6	0	5.28655	0.00461	5.285	220424953	4020310	76
08/24/2017 14:07:07	16.67519	16.70686	16.64722	732.37652	732.60003	732.20001	25.17384	25.3	25.09999	25.07996	25.49999	24.89999	27.37754	27.45862	27.32009	0.1946	0.4	0	5.36992	0.00902	5.36833	220424953	4020310	76
08/24/2017 14:12:07	16.67616	16.70138	16.65859	732.21545	732.40002	732.10003	25.44095	25.5	25.3	25.62219	26.3	25.3	27.3755	27.45862	27.29238	0.20806	1	0	5.4533	0.01997	5.45194	220424953	4020310	76
08/24/2017 14:17:07	16.67616	16.70138	16.65859	732.21545	732.40002	732.10003	25.44095	25.5	25.3	25.62219	26.3	25.3	27.3755	27.45862	27.29238	0.20806	1	0	5.53666	0.08626	5.535	220424953	4020310	76
08/24/2017 14:22:07	16.67375	16.69515	16.64809	732.21478	732.30004	732.10003	25.65703	25.69999	25.59999	25.49998	25.69999	24.99999	27.39932	27.48633	27.32009	0.17045	0.7	0	5.62001	0.06844	5.61861	220424953	4020310	76
08/24/2017 14:27:07	16.67375	16.69515	16.64809	732.21478	732.30004	732.10003	25.65703	25.69999	25.59999	25.49998	25.69999	24.99999	27.39932	27.48633	27.32009	0.17045	0.7	0	5.70339	0.00203	5.70166	220424953	4020310	76
08/24/2017 14:32:07	16.67272	16.69578	16.64181	732.20141	732.30004	732	25.77046	25.9	25.69999	25.77176	26.19999	25.09999	27.37541	27.48633	27.29238	0.27654	0.8	0	5.78675	0.09711	5.78527	220424953	4020310	76
08/24/2017 14:37:07	16.67272	16.69578	16.64181	732.20141	732.30004	732	25.77046	25.9	25.69999	25.77176	26.19999	25.09999	27.37541	27.48633	27.29238	0.27654	0.8	0	5.87013	0.09932	5.86833	220424953	4020310	76
08/24/2017 14:42:07	16.67605	16.70014	16.64857	732.14514	732.30004	731.90002	25.89091	26.09999	25.8	25.75678	26.19999	25.39999	27.39789	27.48633	27.32009	0.26869	0.5	0	5.95351	0.03308	5.95166	220424953	4020310	76
08/24/2017 14:47:07	16.67426	16.69911	16.65499	731.96429	732.20001	731.70001	26.13031	26.19999	26.09999	25.88106	26.3	25.39999	27.40152	27.48633	27.32009	0.28288	0.8	0	6.03688	0.12424	6.03527	220424953	4020310	76
08/24/2017 14:52:07	16.67426	16.69911	16.65499	731.96429	732.20001	731.70001	26.13031	26.19999	26.09999	25.88106	26.3	25.39999	27.40152	27.48633	27.32009	0.28288	0.8	0	6.12026	0.03306	6.11833	220424953	4020310	76
08/24/2017 14:57:07	16.67431	16.70225	16.64826	731.76507	732	731.60003	26.30572	26.4	26.19999	25.87545	26.19999	25.59999	27.4407	27.54175	27.32009	0.43027	0.8	0	6.20363	0.12002	6.20194	220424953	4020310	76
08/24/2017 15:02:07	16.67431	16.70225	16.64826	731.76507	732	731.60003	26.30572	26.4	26.19999	25.87545	26.19999	25.59999	27.4407	27.54175	27.32009	0.43027	0.4	0.09999	6.28702	0.01091	6.28527	220424953	4020310	76
08/24/2017 15:07:07	16.67612	16.69579	16.65412	731.71991	731.90002	731.60003	26.3899	26.4	26.3	26.42759	26.69999	25.99999	27.41466	27.51404	27.34779	0.17101	0.4	0.09999	6.37038	0.046	6.36833	220424953	4020310	76
08/24/2017 15:12:07	16.67506	16.69886	16.65099	731.67108	731.80004	731.60003	26.5876	26.69999	26.5	26.64945	26.8	26.3	27.41522	27.51404	27.29238	0.15629	0.4	0	6.45375	0.0441	6.45194	220424953	4020310	76
08/24/2017 15:17:07	16.67506	16.69886	16.65099	731.67108	731.80004	731.60003	26.5876	26.69999	26.5	26.64945	26.8	26.3	27.41522	27.51404	27.29238	0.15629	0.4	0	6.53711	0	6.535	220424953	4020310	76
08/24/2017 15:22:07	16.67502	16.7127	16.6443	731.60168	731.70001	731.5	26.76734	26.8	26.69999	26.49862	26.8	26.19999	27.47626	27.65258	27.3755	0.27544	0.5	0	6.62048	0.02008	6.61861	220424953	4020310	76
08/24/2017 15:27:07	16.67502	16.7127	16.6443	731.60168	731.70001	731.5	26.76734	26.8	26.69999	26.49862	26.8	26.19999	27.47626	27.65258	27.3755	0.27544	0.5	0	6.70385	0.02913	6.70166	220424953	4020310	76
08/24/2017 15:32:07	16.6761	16.70594	16.635	731.5202	731.60003	731.40002	26.92592	27	26.8	26.47524	26.89999	26.09999	27.50534	27.62487	27.40321	0.45743	0.8	0	6.78723	0.00902	6.78527	220424953	4020310	76
08/24/2017 15:37:07	16.6761	16.70594	16.635	731.5202	731.60003	731.40002	26.92592	27	26.8	26.47524	26.89999	26.09999	27.50534	27.62487	27.40321	0.45743	0.8	0	6.8706	0.03502	6.86833	220424953	4020310	76
08/24/2017 15:42:07	16.67484	16.7034	16.65605	731.51715	731.60003	731.40002	26.98989	27	26.8	26.65525	26.89999	26.3	27.47485	27.59716	27.32009	0.34138	0.7	0.09999	6.95397	0.01805	6.95166	220424953	4020310	76
08/24/2017 15:47:07	16.67526	16.69775	16.65352	731.50946	731.60003	731.40002	27.00336	27.09999	27	26.34408	26.69999	25.99999	27.50427	27.62487	27.3755	0.65927	1.1	0.4	7.03735	0.04218	7.03527	220424953	4020310	76
08/24/2017 15:52:07	16.6758	16.70424	16.63753	731.45117	731.5	731.40002	27.01346	27.09999	27	26.20232	26.59999	25.99999	27.58513	27.70799	27.48633	0.81113	1.1	0.4	7.12072	0.06033	7.11861	220424953	4020310	76
08/24/2017 15:57:07	16.67556	16.70173	16.64516	731.36975	731.5	731.30004	26.99661	27.09999	26.9	26.12261	26.59999	25.89999	27.61281	27.70799	27.51404	0.874	1.1	0.4	7.2041	0.06029	7.20166	220424953	4020310	76
08/24/2017 16:02:07	16.6746	16.70847	16.64151	731.32025	731.40002	731.30004	26.97642	27	26.9	26.22291	26.59999	25.59999	27.60527	27.70799	27.45862	0.75351	1.4	0.4	7.28749	0	7.285	220424953	4020310	76
08/24/2017 16:07:07	16.6763	16.69715	16.65493	731.3031	731.40002	731.30004	26.95622	27	26.8	26.49824	26.89999	25.99999	27.5745	27.68029	27.43091	0.45798	1	0	7.37085	0	7.36833	220424953	4020310	76
08/24/2017 16:12:07	16.67505	16.7037	16.65388	731.28186	731.30004	731.20001	26.94039	27	26.8	26.19999	26.49999	25.99999	27.647	27.7357	27.56946	0.74039	1	0.5	7.45422	0.02206	7.45194	220424953	4020310	76
08/24/2017 16:17:07	16.67505	16.7037	16.65388	731.28186	731.30004	731.20001	26.94039	27	26.8	26.19999	26.49999	25.99999	27.647	27.7357	27.56946	0.74039	1	0.5	7.53759	0	7.535	220424953	4020310	76
08/24/2017 16:22:07	16.67416	16.6975	16.65332	731.25219	731.30004	731.20001	26.88549	27	26.8	26.01147	26.19999	25.89999	27.673	27.7357	27.59716	0.87402	1.1	0.6	7.62096	0	7.61833	220424953	4020310	76
08/24/2017 16:27:07	16.67606	16.70932	16.65441	731.20611	731.30004	731.20001	26.80336	26.9	26.69999	26.24137	26.59999	25.69999	27.65146	27.70799	27.56946	0.56199	1.1	0.2	7.70433	0.00191	7.70194	220424953	4020310	76
08/24/2017 16:32:07	16.67606	16.70932	16.65441	731.20611	731.30004	731.20001	26.80336	26.9	26.69999	26.24137	26.59999	25.69999	27.65146	27.70799	27.56946	0.56199	1.1	0.2	7.78769	0.03991	7.785	220424953	4020310	76
08/24/2017 16:37:07	16.67417	16.70252	16.65529	731.19799	731.20001	731.10003	26.75724	26.8	26.69999	25.80427	26.3	25.49999	27.66714	27.7357	27.59716	0.95297	1.3	0.4	7.87106	0.04209	7.86861	220424953	4020310	76
08/24/2017 16:42:07	16.67545	16.70061	16.65529	731.16833	731.20001	731.10003	26.72932	26.8	26.69999	25.99721	26.19999	25.59999	27.64978	27.7357	27.54175	0.73211	1.2	0.5	7.95444	0.01509	7.95194	220424953	4020310	76
08/24/2017 16:47:07	16.67545	16.70061	16.65529	731.16833	731.20001	731.10003	26.72932	26.8	26.69999	25.99721	26.19999	25.59999	27.64978	27.7357	27.54175	0.73211	1.2	0.5	8.03781	0.0421	8.035	220424953	4020310	76
08/24/2017 16:52:07	16.67524	16.70004	16.65022	731.17407	731.30004	731.10003	26.70238	26.8	26.5	25.74722	26.19999	25.39999	27.65958	27.7357	27.59716	0.95516	1.4	0.5	8.12117	0.0221	8.11833	220424953	4020310	76
08/24/2017 16:57:07	16.67549	16.69264	16.6491	731.16772	731.20001	731.10003	26.67981	26.69999	26.5	25.64072	25.89999	25.49999	27.66992	27.7357	27.62487	1.03909	1.3	0.6	8.20454	0.01307	8.20194	220424953	4020310	76
08/24/2017 17:02:07	16.67527	16.69071	16.64729	731.1687	731.20001	731.10003	26.48989	26.69999	26.4	25.53482	25.69999	24.99999	27.67412	27.7357	27.62487	0.95506	1.4	0.7	8.28799	0.02212	8.28527	220424953	4020310	76
08/24/2017 17:07:07	16.67527	16.69071	16.64729	731.1687	731.20001	731.10003	26.48989	26.69999	26.4	25.53482	25.69999	24.99999	27.67412	27.7357	27.62487	0.95506	1.4	0.7	8.37139	0.01993	8.36833	220424953	4020310	76
08/24/2017 17:12:07	16.67466	16.70506	16.65471	731.11316	731.20001	731.10003	26.34709	26.4	26.19999	25.42695	25.69999	24.99999	27.67301	27.7357	27.59716	0.92014	1.4	0.7	8.45477	0.0642	8.45194	220424953	4020310	76
08/24/2017 17:17:07	16.67466	16.70506	16.65471	731.11316	731.20001	731.10003	26.34709	26.4	26.19999	25.42695	25.69999	24.99999	27.67301	27.7357	27.59716	0.92014	1.4	0.7	8.53818	0.01987	8.535	220424953	4020310	76
08/24/2017 17:22:07	16.67391	16.69456	16.63804	731.09967	731.20001	731	26.23369	26.4	26.19999	25.2441	25.49999	24.99999	27.67889	27.79112	27.59716	0.98959	1.3	0.7	8.62159	0.04198	8.61833	220424953	4020310	76
08/24/2017 17:27:07	16.67587	16.69882	16.65792	730.97277	731.10003	730.90002	26.08654	26.09999	25.9	24.88416	24.99999	24.69999	27.74016	27.81883	27.65258	1.20237	1.4	1	8.705	0	8.70194	220424953	4020310	76
08/24/2017 17:32:07	16.67587	16.69882	16.65792	730.97277	731.10003	730.90002	26.08654	26.09999	25.9	24.88416	24.99999	24.69999	27.74016	27.81883	27.65258	1.20237	1.4	1	8.7884	0.07089	8.785	220424953	4020310	76
08/24/2017 17:37:07	16.67472	16.6958	16.65488	730.96728	731	730.90002	25.90469	26.09999	25.8	24.97746	25.3	24.8	27.73545	27.84653	27.62487	0.92722	1.2	0.6	8.87182	0.07316	8.86833	220424953	4020310	76
08/24/2017 17:42:07	16.67487	16.6958	16.6504	730.92224	731	730.90002	25.72356	25.8	25.69999	24.68993	24.99999	24.39999	27.75977	27.81883	27.65258	1.03362	1.4	0.7	8.95527	0.02216	8.95194	220424953	4020310	76
08/24/2017 17:47:07	16.67487	16.6958	16.6504	730.92224	731	730.90002	25.72356	25.8	25.69999	24.68993	24.99999	24.39999	27.75977	27.81883	27.65258	1.03362	1.4	0.7	9.0387	0.01971	9.035	220424953	4020310	76
08/24/2017 17:52:07	16.67332	16.70135	16.64671	730.93841	731	730.90002	25.67977	25.69999	25.59999	24.62242	24.89999	24.19999	27.71416	27.81883	27.59716	1.05734	1.4	0.8	9.12213	0	9.11833	220424953	4020310	76
08/24/2017 17:57:07	16.67404	16.7055	16.65225	730.9057	731	730.80004	25.53596	25.59999	25.5	24.28428	24.49999	24.09999	27.77152	27.84653	27.68029	1.25168	1.7	1.1	9.20552	0.0509	9.20194	220424953	4020310	76
08/24/2017 18:02:07	16.67405	16.69926	16.65084	730.88684	730.90002	730.80004	25.43936	25.5	25.3	24.02959	24.39999	23.8	27.78777	27.87424	27.68029	1.40976	1.7	1.1	9.28896	0.02223	9.285	220424953	4020310	76
08/24/2017 18:07:07	16.67422	16.70032	16.64786	730.81921	730.90002	730.80004	25.20564	25.3	25.09999	23.87306	24.09999	23.69999	27.79447	27.87424	27.7357	1.33257	1.5	1.2	9.37238	0	9.36833	220424953	4020310	76
08/24/2017 18:12:07	16.67488	16.7018	16.6391	730.80206	730.90002	730.80004	25.06291	25.09999	25	23.92013	24.3	23.8	27.78863	27.87424	27.70799	1.14278	1.3	0.8	9.45577	0.04173	9.45166	220424953	4020310	76
08/24/2017 18:17:07	16.67537	16.69719	16.64875	730.77746	730.80004	730.70001	24.66291	24.9	24.5	22.78544	22.99999	22.59999	27.84597	27.92966	27.7357	1.87746	2.1	1.6	9.53916	0.04463	9.53527	220424953	4020310	76
08/24/2017 18:22:07	16.67537	16.69719	16.64875	730.77746	730.80004	730.70001	24.66291	24.9	24.5	22.78544	22.99999	22.59999	27.84597	27.92966	27.7357	1.87746	2.1	1.6	9.62257	0.00904	9.61833	220424953	4020310	76
08/24/2017 18:27:07	16.67447	16.69263	16.65672	730.71283	730.80004	730.70001	24.20131	24.4	24.09999	22.57744	22.69999	22.39999	27.81994	27.92966	27.7357	1.62387	1.9	1.4	9.70596	0.04171	9.70194	220424953	4020310	76
08/24/2017 18:32:07	16.67447	16.69263	16.65672	730.71283	730.80004	730.70001	24.20131	24.4	24.09999	22.57744	22.69999	22.39999	27.81994	27.92966	27.7357	1.62387	1.9	1.4	9.78939	0.00903	9.785	220424953	4020310	76
08/24/2017 18:37:07	16.67518	16.69179	16.65299	730.6889	730.70001	730.60003	24.00567	24.09999	23.8	22.56966	22.59999	22.39999	27.81547	27.95737	27.70799	1.436	1.6	1.2	9.87281	0.01933	9.86833	220424953	4020310	76
08/24/2017 18:42:07	16.67341	16.69347	16.6513	730.6051	730.70001	730.60003	23.56532	23.69999	23.5	22.09793	22.39999	21.89999	27.89385	27.98507	27.76341	1.46739	1.7	1.2	9.95622	0.0416	9.95194	220424953	4020310	76

08/24/2017 18:47:07	16.67341	16.69347	16.6513	730.6051	730.70001	730.60003	23.56532	23.69999	23.5	22.09793	22.39999	21.89999	27.89385	27.98507	27.76341	1.46739	1.7	1.2	10.03963	0.07418	10.035	220424953	4020310	76
08/24/2017 18:52:07	16.67388	16.69079	16.6567	730.58996	730.70001	730.5	23.35516	23.5	23.19999	21.9	22.09999	21.69999	27.90894	27.98507	27.79112	1.45515	1.7	1.2	10.12301	0.0773	10.11833	220424953	4020310	76
08/24/2017 18:57:07	16.67383	16.69681	16.65465	730.53234	730.60003	730.5	22.89322	23.09999	22.69999	21.24162	21.49999	20.89999	27.92853	28.01278	27.84653	1.65159	1.8	1.4	10.20643	0.08297	10.20194	220424953	4020310	76
08/24/2017 19:02:07	16.67383	16.69681	16.65465	730.53234	730.60003	730.5	22.89322	23.09999	22.69999	21.24162	21.49999	20.89999	27.92853	28.01278	27.84653	1.65159	2	1.7	10.28986	0.01896	10.28527	220424953	4020310	76
08/24/2017 19:07:07	16.67592	16.70117	16.65465	730.49694	730.60003	730.40002	22.63607	22.8	22.5	20.82923	20.89999	20.59999	27.9473	28.01278	27.87424	1.80684	2	1.7	10.37327	0.08271	10.36833	220424953	4020310	76
08/24/2017 19:12:07	16.67511	16.6971	16.65599	730.49896	730.5	730.40002	22.06189	22.19999	21.9	20.05178	20.3	19.89999	27.90584	27.98507	27.79112	2.0101	2.2	1.8	10.45669	0.08265	10.45194	220424953	4020310	76
08/24/2017 19:17:07	16.67277	16.68863	16.66022	730.49902	730.5	730.40002	21.69452	21.9	21.5	19.7204	19.99999	19.49999	27.85101	27.95737	27.7357	1.97411	2.1	1.7	10.54013	0	10.53527	220424953	4020310	76
08/24/2017 19:22:07	16.67277	16.68863	16.66022	730.49902	730.5	730.40002	21.69452	21.9	21.5	19.7204	19.99999	19.49999	27.85101	27.95737	27.7357	1.97411	2.1	1.7	10.62357	0.02257	10.61833	220424953	4020310	76
08/24/2017 19:27:07	16.67548	16.69117	16.66061	730.45221	730.5	730.40002	21.3821	21.5	21.09999	19.4562	19.59999	19.3	27.84513	27.95737	27.7357	1.92589	2	1.6	10.70701	0.05476	10.70194	220424953	4020310	76
08/24/2017 19:32:07	16.67415	16.69531	16.64162	730.4317	730.5	730.40002	20.99561	21.09999	20.9	19.14844	19.39999	18.89999	27.85359	27.95737	27.70799	1.84717	2	1.6	10.79043	0.04118	10.785	220424953	4020310	76
08/24/2017 19:37:07	16.67497	16.69305	16.64953	730.432	730.5	730.40002	20.67428	20.9	20.4	18.81238	18.99999	18.69999	27.8409	27.98507	27.70799	1.86189	2	1.6	10.87384	0	10.86833	220424953	4020310	76
08/24/2017 19:42:07	16.67389	16.69073	16.64861	730.40911	730.5	730.40002	20.28878	20.5	20.09999	18.27891	18.69999	17.89999	27.7959	27.87424	27.70799	2.00987	2.4	2	10.95724	0.01832	10.95166	220424953	4020310	76
08/24/2017 19:47:07	16.67405	16.69227	16.65138	730.40606	730.5	730.40002	19.88788	20.09999	19.69999	17.74171	17.89999	17.59999	27.86279	27.95737	27.76341	2.14616	2.4	2	11.04066	0.03196	11.035	220424953	4020310	76
08/24/2017 19:52:07	16.67556	16.70252	16.64763	730.42321	730.5	730.40002	19.4608	19.69999	19.09999	17.56635	17.69999	17.3	27.8608	27.92966	27.79112	1.89445	1.7	1.2	11.12409	0.02272	11.11861	220424953	4020310	76
08/24/2017 19:57:07	16.67716	16.69102	16.66165	730.40606	730.5	730.40002	19.01911	19.19999	18.69999	17.58652	17.69999	17.49999	27.893	27.98507	27.79112	1.43258	1.7	1.2	11.20751	0	11.20166	220424953	4020310	76
08/24/2017 20:02:07	16.67281	16.69614	16.64892	730.40002	730.40002	730.40002	18.59686	18.9	18.4	17.41135	17.59999	17.3	27.90842	27.98507	27.81883	1.18551	1.4	0.9	11.29095	0.02275	11.28527	220424953	4020310	76
08/24/2017 20:07:07	16.67482	16.68849	16.66424	730.39904	730.40002	730.30004	18.23076	18.5	18	17.1418	17.3	16.99999	27.9697	28.04049	27.87424	1.08896	1.4	0.9	11.37442	0	11.36833	220424953	4020310	76
08/24/2017 20:12:07	16.67548	16.69103	16.65914	730.33703	730.40002	730.30004	17.87422	18.09999	17.5	17.04032	17.19999	16.89999	28.01612	28.12362	27.95737	0.8339	1.1	0.6	11.45788	0.00474	11.45166	220424953	4020310	76
08/24/2017 20:17:07	16.67223	16.6871	16.6591	730.30108	730.40002	730.30004	17.54385	17.8	17.3	16.72832	16.89999	16.39999	28.05169	28.12362	27.95737	0.81552	1	0.6	11.5413	0.0228	11.535	220424953	4020310	76
08/24/2017 20:22:07	16.67462	16.6871	16.66285	730.30004	730.30004	730.30004	17.22247	17.4	17.09999	16.47533	16.59999	16.3	28.10545	28.17903	28.04049	0.74713	0.9	0.6	11.62476	0.00904	11.61833	220424953	4020310	76
08/24/2017 20:27:07	16.67505	16.69081	16.65512	730.30548	730.40002	730.30004	16.9013	17.09999	16.59999	16.14741	16.39999	15.99999	28.10626	28.20674	28.01278	0.75389	0.9	0.6	11.70818	0.01794	11.70166	220424953	4020310	76
08/24/2017 20:32:07	16.67415	16.68552	16.66266	730.39599	730.40002	730.30004	16.59118	16.8	16.5	15.93832	16.09999	15.79999	28.10793	28.20674	28.01278	0.65286	0.7	0.6	11.79162	0	11.785	220424953	4020310	76
08/24/2017 20:37:07	16.67467	16.69054	16.66128	730.40002	730.40002	730.40002	16.28766	16.5	16.09999	15.77631	15.89999	15.69999	28.12784	28.20674	28.0682	0.51135	0.7	0.4	11.87506	0.04075	11.86833	220424953	4020310	76
08/24/2017 20:42:07	16.67387	16.69555	16.65988	730.40002	730.40002	730.40002	15.79794	16	15.5	15.66963	15.79999	15.49999	28.1925	28.26216	28.09591	0.13503	0.4	0	11.95851	0.00502	11.95194	220424953	4020310	76
08/24/2017 20:47:07	16.67387	16.69555	16.65988	730.40002	730.40002	730.40002	15.79794	16	15.5	15.66963	15.79999	15.49999	28.1925	28.26216	28.09591	0.13503	0.4	0	12.04197	0.04071	12.035	220424953	4020310	76
08/24/2017 20:52:07	16.67378	16.69413	16.64846	730.39697	730.40002	730.30004	15.51477	15.69999	15.4	15.47643	15.69999	15.39999	28.21372	28.28986	28.15132	0.07208	0.2	0	12.12544	0.01782	12.11833	220424953	4020310	76
08/24/2017 20:57:07	16.6724	16.68413	16.64846	730.40002	730.40002	730.40002	15.36622	15.5	15.09999	15.51012	15.69999	15.39999	28.22186	28.28986	28.15132	0.1439	0.6	0.19999	12.20889	0	12.20166	220424953	4020310	76
08/24/2017 21:02:07	16.67324	16.68413	16.65988	730.40002	730.40002	730.40002	15.11344	15.3	15	15.50337	15.69999	15.39999	28.21793	28.28986	28.15132	0.38993	0.6	0.19999	12.29237	0	12.285	220424953	4020310	76
08/24/2017 21:07:07	16.67338	16.69555	16.64846	730.40002	730.40002	730.40002	14.84275	14.9	14.8	15.51822	15.69999	15.39999	28.22716	28.28986	28.12362	0.67546	0.9	0.5	12.37581	0.04071	12.36861	220424953	4020310	76
08/24/2017 21:12:07	16.67479	16.69413	16.65347	730.40106	730.5	730.40002	14.73259	14.8	14.5	15.41577	15.49999	15.29999	28.2504	28.34528	28.17903	0.68317	0.99999	0.5	12.45923	0.05849	12.45194	220424953	4020310	76
08/24/2017 21:17:07	16.67479	16.69413	16.65347	730.40106	730.5	730.40002	14.73259	14.8	14.5	15.41577	15.49999	15.29999	28.2504	28.34528	28.17903	0.68317	0.89999	0.6	12.54257	0.04067	12.53527	220424953	4020310	76
08/24/2017 21:22:07	16.67562	16.69269	16.65847	730.40307	730.5	730.40002	14.54033	14.69999	14.5	15.30335	15.39999	15.29999	28.27588	28.37299	28.17903	0.76302	0.89999	0.6	12.62594	0.07258	12.61833	220424953	4020310	76
08/24/2017 21:27:07	16.67508	16.69269	16.65847	730.45556	730.5	730.40002	14.35956	14.4	14.19999	15.25289	15.29999	15.09999	28.35538	28.51153	28.23445	0.89333	1.1	0.69999	12.70935	0.03163	12.70194	220424953	4020310	76
08/24/2017 21:32:07	16.67508	16.69269	16.65847	730.45556	730.5	730.40002	14.35956	14.4	14.19999	15.25289	15.29999	15.09999	28.35538	28.51153	28.23445	0.89333	1.1	0.69999	12.79274	0	12.785	220424953	4020310	76
08/24/2017 21:37:07	16.67632	16.69269	16.65704	730.40808	730.5	730.40002	14.24272	14.4	14.19999	15.20569	15.29999	15.09999	28.36654	28.45611	28.28986	0.96297	1.1	0.8	12.87616	0	12.86833	220424953	4020310	76
08/24/2017 21:42:07	16.676	16.7001	16.66445	730.49896	730.5	730.40002	14.08202	14.19999	13.9	14.99223	15.09999	14.89999	28.39283	28.51153	28.26216	0.91021	1	0.8	12.9596	0.0406	12.95194	220424953	4020310	76
08/24/2017 21:47:07	16.676	16.7001	16.66445	730.49896	730.5	730.40002	14.08202	14.19999	13.9	14.99223	15.09999	14.89999	28.39283	28.51153	28.26216	0.91021	1	0.8	13.04307	0	13.035	220424953	4020310	76
08/24/2017 21:52:07	16.67532	16.6887	16.65306	730.51416	730.60003	730.5	13.83935	13.9	13.8	14.92489	15.09999	14.89999	28.3976	28.51153	28.26216	1.08554	1.3	1	13.1265	0.00904	13.11861	220424953	4020310	76
08/24/2017 21:57:07	16.67532	16.6887	16.65306	730.51416	730.60003	730.5	13.83935	13.9	13.8	14.92489	15.09999	14.89999	28.3976	28.51153	28.26216	1.08554	1.3	1	13.20991	0.04063	13.20166	220424953	4020310	76
08/24/2017 22:02:07	16.67522	16.70103	16.65549	730.59698	730.60003	730.5	13.74613	13.8	13.59999	14.84948	15.09999	14.69999	28.42895	28.51153	28.31757	1.10335	1.3	0.9	13.29332	0.01768	13.28527	220424953	4020310	76
08/24/2017 22:07:07	16.67522	16.70103	16.65549	730.59698	730.60003	730.5	13.74613	13.8	13.59999	14.84948	15.09999	14.69999	28.42895	28.51153	28.31757	1.10335	1.3	0.9	13.37672	0.0406	13.36833	220424953	4020310	76
08/24/2017 22:12:07	16.67303	16.70103	16.65402	730.599	730.60003	730.5	13.60234	13.69999	13.59999	14.69995	14.79999	14.59999	28.42029	28.51153	28.31757	1.09761	1.2	1	13.46009	0.04061	13.45194	220424953	4020310	76
08/24/2017 22:17:07	16.67303	16.70103	16.65402	730.599	730.60003	730.5	13.60234	13.69999	13.59999	14.69995	14.79999	14.59999	28.42029	28.51153	28.31757	1.09761	1.2	1	13.54348	0.04054	13.535	220424953	4020310	76
08/24/2017 22:22:07	16.67649	16.69953	16.65402	730.60003	730.60003	730.60003	13.57306	13.59999	13.5	14.59663	14.59999	14.49999	28.44879	28.53924	28.31757	1.02357	1.09999	0.9	13.6269	0.04054	13.61833	220424953	4020310	76
08/24/2017 22:27:07	16.67636	16.69953	16.65896	730.60003	730.60003	730.60003	13.5158	13.59999	13.5	14.59663	14.69999	14.49999	28.41719	28.51153	28.31757	1.08082	1.19999	0.9	13.71033	0.03514	13.70166	220424953	4020310	76
08/24/2017 22:32:07	16.67524	16.69953	16.65746	730.59698	730.60003	730.5	13.36545	13.5	13.19999	14.54938	14.69999	14.29999	28.44436	28.59465	28.31757	1.18392	1.4	0.79999	13.79371	0.04055	13.785	220424953	4020310	76
08/24/2017 22:37:07	16.67461	16.69953	16.65746	730.59802	730.60003	730.5	13.22727	13.5	13.19999	14.3539	14.59999	14.19999	28.43231	28.56694	28.31757	1.12662	1.3	1	13.87706	0	13.86861	220424953	4020310	76
08/24/2017 22:42:07	16.67494	16.70293	16.65746	730.59191	730.60003	730.5	13.2	13.3	13.1	14.31816	14.49999	14.29999	28.45781	28.56694	28.34528	1.11815	1.3	1	13.96043	0.0635	13.95166	220424953	4020310	76
08/24/2017 22:47:07	16.67333	16.69647	16.66239	730.59497	730.60003	730.5	13.0821	13.19999	13	14.21344	14.29999	14.09999	28.48017	28.56694	28.37299	1.13133	1.3	1	14.04386	0	14.03527	220424953	4020310	76
08/24/2017 22:52:07	16.67333	16.69647	16.66239	730.59497	730.60003	730.5	13.0821	13.19999	13	14.21344	14.29999	14.09999	28.48017	28.56694	28.37299	1.13133	1.3	1	14.1273	0	14.11833	220424953	4020310	76
08/24/2017 22:57:07	16.67556	16.69492	16.66086	730.56634	730.60003	730.5	12.99656	13.1	12.9	14.15968	14.29999	13.99999	28.57502	28.73319	28.45611	1.16312	1.39999	1	14.21072	0.04051	14.20166	220424953	4020310	76
08/24/2017 23:02:07	16.6743	16.6941	16.65746	730.54211	730.60003	730.5	12.91011	13	12.9	14.14841	14.29999	13.99999	28.62295	28.73319	28.45611	1.2383	1.39999	1	14.29419	0	14.285	220424953	4020310	76
08/24/2017 23:07:07	16.67604	16.70236	16.66339	730.5	730.5	730.5	12.72356	12.9	12.6	13.92582	14.09999	13.69999	28.74018	28.84402	28.62236	1.20225	1.4	1	14.37761	0.08648	14.36861	220424953	4020310	76
08/24/2017 23:12:07	16.67604	16.70236	16.66339	730.5	730.5	730.5	12.72356	12.9	12.6	13.92582	14.09999	13.69999	28.74018	28.84402	28.62236	1.20225	1.1	0.8	14.46101	0.04046	14.45194	220424953	4020310	76
08/24/2017 23:17:07	16.67365	16.70078	16.65383	730.5	730.5	730.5	12.65958	12.69999	12.5	13.6225	13.69999	13.49999	28.79056	28.87173	28.70548	0.96291	1.1	0.8	14.54442	0	14.535	220424953	4020310	76
08/24/2017 23:22:07	16.67409	16.69918	16.65383	730.5	730.5	730.5	12.57536	12.69999	12.5	13.52356	13.59999	13.39999	28.79896	28.92715	28.70548	0.94819	1.1	0.7	14.62786	0.0404	14.61833	220424953	4020310	76
08/24/2017 23:27:07	16.67276	16.69757	16.65225	730.5	730.5	730.5	12.40331	12.5	12.3	13.37409	13.49999	13.29999	28.83394	28.92715	28.7609	0.97078	1.1	0.8	14.71131	0	14.70194	220424953	4020310	76
08/24/2017 23:32:07	16.67276	16.69757	16.65225	730.5	730.5	730.5	12.40331	12.5	12.3	13.37409	13.49999	13.29999	28.83394	28.92715	28.7609	0.97078	1.3	1	14.79476	0	14.78527	220424953	4020310	76
08/24/2017 23:37:07	16.672	16.68784	16.64738	730.5	730.5	730.5	12.29664	12.4	12.1	13.40674	13.49999	13.29999	28.81239	28.92715	28.73319	1.11009	1.3	1	14.8782	0.02305	14.86833	220424953	4020310	76
08/24/2017 23:42:07	16.67233	16.69757	16.65871	730.5	730.5	730.5	12.07982	12.1	12	13.36622	13.49999	13.09999	28.81775	28.92715	28.73319	1.2864	1.5	1	14.96164	0.00574	14.95194	220424953	4020310	76
08/24/2017 23:47:07	16.67418	16.69757	16.65066	730.5	730.5	730.5	11.99895	12.1	11.9	13.21443	13.29999	13.09999	28.81884	28.92715	28.70548	1.21547	1.39999	1	15.04506	0	15.03527	220424953	4020310	76
08/24/2017 23:52:07	16.67418	16.69757	16.65066	730.5	730.5	730.5	11.99895	12.1	11.9	13.21443	13.29999	13.09999	28.81884	28.92715	28.70548	1.21547	1.39999	1	15.1285	0.02305	15.11833	220424953	4020310	76
08/24/2017 23:57:07	16.6751	16.69594	16.65551	730.5	730.5	730.5	11.91918	12	11.9	13.14387	13.39999	12.99999	28.87118	28.95485	28.7609	1.22469	1.5	1.09999	15.21195	0.04611	15.20166	220424953	4020310	76
08/25/2017 00:02:07	16.6739	16.68624	16.65551	730.5	730.5	730.5	11.89322	11.9	11.8	13.23842	13.39999	12.99999	28.89276	28.98256	28.81632	1.3452	1.5	1.09999	15.2954	0.01735	15.285	220424953	4020310	76
08/25/2017 00:07:07	16.67491	16.69525	16.65319	730.46124	730.5	730.40002	11.8	11.8	11.8	13.28537	13.39999	12.99999	28.95685	29.06569	28.89944	1.48537	1.6	1.19999	15.37882	0.0346	15.36861	220424953	4020310	76
08/25/2017 00:12:07	16.67491	16.69525	16.65319	730.46124	730.5	730.40002	11.8	11.8	11.8	13.28537	13.39999	12.99999	28.95685	29.06569	28.89944	1.48537	1.6	1.19999	15.46222	0	15.45166	220424953	4020310	76
08/25/2017 00:17:07	16.67449	16.68716	16.65805	730.40002	730.40002	730.40002	11.78989	11.8	11.69999	12.96961	13.09999	12.89999	29.04112	29.14881	28.92715	1.17971	1.3	1.1	15.54566	0	15.535	220424953	4020310	76
08/25/2017 00:22:07	16.67541	16.69035	16.66126	730.40002	730.40002	730.40002	11.60572	11.8	11.5	12.83263	12.89999	12.69999	29.11775	29.20423	29.01027	1.08989	1.3	0.9	15.62914	0.04031	15.61861	220424953	4020310	76
08/25/2017 00:27:07	16.67541	16.69035	16.66126	730.40002	730.40002	730.40002	11.60572	11.8	11.5	12.74272	12.79999	12.69999	29.12338	29.20423	29.03798	1.137	1.3	0.9	15.71257	0.04032	15.70166	220424953	4020310	76
08/25/2017 00:32:07	16.67281	16.69035	16.66126	730.40002	730.40002	730.40002	11.52017	11.69999	11.5	12.70672	12.79999	12.69999	29.09341	29.17652	29.01027	1.18655	1.3	1	15.79601	0	15.785	220424953	4020310	76
08/25/2017 00:37:07	16.67301	16.69518	16.64831	730.40002	730.40002	730.40002	11.42692	11.5	11.4	12.6058	12.69999	12.49999	29.14823	29.23194	29.03798	1.17887	1.3	1	15.87947	0	15.86861	220424953	4020310	76
08/25/2017 00:42:07	16.67301	16.69518	16.64831	730.40002	730.40002	730.40002	11.42692	11.5	11.4	12.6058	12.69999	12.49999	29.14823	29.23194	29.03798	1.17887	1.3	1	15.96292	0	15.95166	220424953	4020310	76
08/25/2017 00:47:07	16.67268	16.69035	16.64831	730.40002	730.40002	730.40002	11.38647	11.4	11.19999	12.626	12.79999	12.49999	29.16674	29.23194	29.06569	1.23953	1.5	1.09999	16.04634	0.10373	16.035	220424953	4020310	76
08/25/2017 00:52:07	16.67392	16.69035	16.6596	730.40002	730.40002	730.40002	11.22018	11.3	11.19999	12.72924	12.79999	12.49999	29.19446	29.25964	29.1211	1.50906	1.6	1.3	16.12973	0.04031	16.11861	220424953	4020310	76
08/25/2017 00:57:07	16.67392	16.69035	16.6596	730.40002	730.40002	730.40002	11.22018	11.3	11.19999	12.72924	12.79999	12.49999	29.19446	29.25964	29.1211	1.50906	1.6	1.3	16.21316	0	16.20166	220424953	4020310	76
08/25/2017 01:02:07	16.67321	16.69518	16.64831	730.40002	730.40002	730.40002	11.1798	11.19999	11.1	12.59897	12.69999	12.49999	29.20679	29.28735	29.14881	1.41917	1.6	1.3	16.29658	0.04027	16.285	220424953	4020310	76
08/25/2017 01:07:07	16.67328	16.6935	16.64831	730.39556	730.40002	730.30004	11.08989	11.19999	10.9	12.50665	12.69999	12.39999	29.25405	29.37048	29.17652	1.41676	1.6	1.3	16.38002	0.04027	16.36861	220424953	4020310	76
08/25/2017 01:12:07	16.67328	16.6935	16.64831	730.39556	730.40002	730.30004	11.08989	11.19999	10.9	12.50665	12.69999	12.39999	29.25405	29.37048	29.17652	1.41676	1.59999	1.3	16.46324	0.01717	16.45194	220424953	4020310	76
08/25/2017 01:17:07	16.67463	16.69604	16.65566	730.30004	730.30004	730.30004	10.9855	11.1	10.9	12.46735	12.49999	12.29999	29.28398	29.39818	29.20423	1.48185	1.59999	1.3	16.54644	0.02314	16.535	220424953	4020310	76
08/25/2017 01:22:07	16.67376	16.69604	16.64918	730.30004	730.30004	730.30004	10.94708	11.1	10.9	12.36527	12.49999	12.29999	29.30805	29.39818	29.20423	1.41819	1.59999	1.19999	16.62964	0.04026	16.61833	220424953	4020310	76
08/25/2017 01:27:07	16.67366	16.69435	16.65399	730.30004	730.30004	730.30004	10.86398	10.9	10.8	12.27638	12.39999	12.19999	29.33666	29.42589	29.25964	1.41239	1.5	1.3	16.71284	0.04023	16.70194	220424953	4020310	76
08/25/2017 01:32:07	16.67366	16.69435	16.65399	730.30004	730.30004	730.30004	10.86398	10.9	10.8	12.27638	12.39999	12.19999	29.33666	29.42589	29.25964	1.41239	1.5	1.3	16.79605	0	16.785	220424953	4020310	76
08/25/2017 01:37:07	16.6752	16.69435	16.65399	730.30004	730.30004	730.30004	10.8	10.8	10.8	12.22362	12.29999	12.09999	29.37189	29.42589	29.28735	1.42362	1.5	1.3	16.87925	0	16.86861	220424953	4020310	76

08/25/2017 01:42:07	16.6752	16.69435	16.65399	730.30004	730.30004	730.30004	10.8	10.8	10.8	12.22362	12.29999	12.09999	29.37189	29.42589	29.28735	1.42362	1.5	1.3	16.96246	0.02313	16.95166	220424953	4020310	76
08/25/2017 01:47:07	16.67363	16.69914	16.65879	730.27948	730.30004	730.20001	10.7	10.8	10.6	12.14834	12.29999	11.89999	29.38361	29.4536	29.28735	1.44834	1.69999	1.2	17.04566	0.04021	17.03527	220424953	4020310	76
08/25/2017 01:52:07	16.67363	16.69914	16.65879	730.27948	730.30004	730.20001	10.7	10.8	10.6	12.14834	12.29999	11.89999	29.38361	29.4536	29.28735	1.44834	1.69999	1.2	17.12886	0.05726	17.11833	220424953	4020310	76
08/25/2017 01:57:07	16.67347	16.69518	16.65962	730.20001	730.20001	730.20001	10.61683	10.8	10.6	11.92488	12.09999	11.89999	29.44692	29.53673	29.34277	1.30805	1.5	1.1	17.21206	0	17.20194	220424953	4020310	76
08/25/2017 02:02:07	16.67469	16.70393	16.65313	730.23474	730.30004	730.20001	10.6	10.6	10.6	11.9035	12.09999	11.79999	29.46085	29.53673	29.37048	1.3035	1.5	1.19999	17.29527	0.00613	17.28527	220424953	4020310	76
08/25/2017 02:07:07	16.67469	16.70393	16.65313	730.23474	730.30004	730.20001	10.6	10.6	10.6	11.9035	12.09999	11.79999	29.46085	29.53673	29.37048	1.3035	1.5	1.19999	17.37848	0.04018	17.36833	220424953	4020310	76
08/25/2017 02:12:07	16.67359	16.69346	16.6506	730.28045	730.30004	730.20001	10.58311	10.6	10.5	11.9518	12.19999	11.69999	29.47264	29.56443	29.37048	1.36869	1.6	1.19999	17.46168	0.01705	17.45166	220424953	4020310	76
08/25/2017 02:17:07	16.67482	16.69823	16.65313	730.20001	730.20001	730.20001	10.57073	10.6	10.5	11.79668	11.89999	11.69999	29.54096	29.64755	29.4536	1.22595	1.4	1.1	17.54488	0	17.535	220424953	4020310	76
08/25/2017 02:22:07	16.67451	16.69823	16.65313	730.20001	730.20001	730.20001	10.53263	10.6	10.5	11.82591	11.89999	11.69999	29.57564	29.67526	29.4536	1.29328	1.4	1.1	17.62808	0.04021	17.61833	220424953	4020310	76
08/25/2017 02:27:07	16.67471	16.69823	16.65791	730.19799	730.20001	730.10003	10.51344	10.6	10.5	11.82358	11.89999	11.69999	29.63468	29.70297	29.56443	1.31013	1.4	1.19999	17.71129	0.05717	17.70166	220424953	4020310	76
08/25/2017 02:32:07	16.67489	16.69426	16.65791	730.14715	730.20001	730.10003	10.44613	10.5	10.3	11.72355	11.79999	11.69999	29.65569	29.73068	29.59214	1.27741	1.5	1.2	17.79449	0.0402	17.78527	220424953	4020310	76
08/25/2017 02:37:07	16.67489	16.69426	16.65791	730.14715	730.20001	730.10003	10.44613	10.5	10.3	11.72355	11.79999	11.69999	29.65569	29.73068	29.59214	1.27741	1.4	1.1	17.87769	0.04016	17.86861	220424953	4020310	76
08/25/2017 02:42:07	16.67371	16.69426	16.66044	730.15997	730.20001	730.10003	10.38547	10.5	10.3	11.65619	11.69999	11.59999	29.66882	29.75839	29.59214	1.27072	1.4	1.1	17.9609	0.02319	17.95166	220424953	4020310	76
08/25/2017 02:47:07	16.67395	16.69648	16.66268	730.20001	730.20001	730.20001	10.30334	10.5	10.19999	11.61687	11.69999	11.59999	29.6722	29.73068	29.59214	1.31353	1.5	1.1	18.0441	0.02318	18.035	220424953	4020310	76
08/25/2017 02:52:07	16.67363	16.68521	16.66268	730.20001	730.20001	730.20001	10.24606	10.3	10.1	11.62251	11.69999	11.59999	29.66806	29.75839	29.59214	1.37645	1.5	1.3	18.1273	0.04016	18.11861	220424953	4020310	76
08/25/2017 02:57:07	16.67363	16.68521	16.66268	730.20001	730.20001	730.20001	10.24606	10.3	10.1	11.62251	11.69999	11.59999	29.66806	29.75839	29.59214	1.37645	1.5	1.3	18.21051	0.04018	18.20166	220424953	4020310	76
08/25/2017 03:02:07	16.67426	16.68521	16.65443	730.20001	730.20001	730.20001	10.18315	10.3	10.1	11.62234	11.69999	11.29999	29.71729	29.86922	29.61985	1.43918	1.6	1.1	18.29371	0	18.28527	220424953	4020310	76
08/25/2017 03:07:07	16.67426	16.68521	16.65443	730.20001	730.20001	730.20001	10.18315	10.3	10.1	11.62234	11.69999	11.29999	29.71729	29.86922	29.61985	1.43918	1.6	1.1	18.37691	0.05717	18.36833	220424953	4020310	76
08/25/2017 03:12:07	16.67431	16.69648	16.64664	730.20001	730.20001	730.20001	10.15726	10.19999	10.1	11.63501	11.79999	11.49999	29.74024	29.81381	29.61985	1.47775	1.69999	1.3	18.46012	0.05709	18.45194	220424953	4020310	76
08/25/2017 03:17:07	16.67431	16.69648	16.64664	730.20001	730.20001	730.20001	10.15726	10.19999	10.1	11.63501	11.79999	11.49999	29.74024	29.81381	29.61985	1.47775	1.69999	1.3	18.54332	0.04018	18.535	220424953	4020310	76
08/25/2017 03:22:07	16.67602	16.69648	16.65443	730.20001	730.20001	730.20001	10.13941	10.19999	10.1	11.54286	11.59999	11.29999	29.74019	29.81381	29.61985	1.40345	1.5	1.1	18.62652	0.04018	18.61833	220424953	4020310	76
08/25/2017 03:27:07	16.67629	16.69902	16.64571	730.10675	730.20001	730.10003	10.12015	10.19999	10.1	11.52915	11.59999	11.29999	29.80879	29.86922	29.75839	1.40899	1.5	1.1	18.70972	0.01073	18.70194	220424953	4020310	76
08/25/2017 03:32:07	16.67629	16.69902	16.64571	730.10675	730.20001	730.10003	10.12015	10.19999	10.1	11.52915	11.59999	11.29999	29.80879	29.86922	29.75839	1.40899	1.5	1.1	18.79293	0.0401	18.785	220424953	4020310	76
08/25/2017 03:37:07	16.67682	16.69902	16.64571	730.10003	730.10003	730.10003	10.10673	10.19999	10.1	11.39413	11.59999	11.29999	29.82757	29.92463	29.75839	1.2874	1.5	1.1	18.87613	0	18.86833	220424953	4020310	76
08/25/2017 03:42:07	16.67696	16.69073	16.66171	730.10003	730.10003	730.10003	10.07307	10.1	10	11.27637	11.29999	11.19999	29.88829	29.98005	29.7861	1.20329	1.3	1.1	18.95933	0.08023	18.95166	220424953	4020310	76
08/25/2017 03:47:07	16.67337	16.69073	16.65046	730.10003	730.10003	730.10003	10.05958	10.1	9.9	11.20336	11.29999	11.09999	29.86106	29.95234	29.7861	1.14378	1.3	1.1	19.04254	0	19.035	220424953	4020310	76
08/25/2017 03:52:07	16.67427	16.68675	16.66171	730.05621	730.10003	730	9.99657	10.1	9.9	11.19664	11.19999	11.09999	29.88291	29.95234	29.7861	1.20006	1.3	1.1	19.12574	0	19.11861	220424953	4020310	76
08/25/2017 03:57:07	16.67513	16.68675	16.65774	730.00103	730.10003	730	9.937	10.1	9.9	11.18655	11.19999	11.09999	29.90951	30.03547	29.81381	1.24955	1.3	1.1	19.20894	0.01691	19.20166	220424953	4020310	76
08/25/2017 04:02:07	16.675	16.69148	16.65774	730	730	730	9.91345	10	9.9	11.19563	11.29999	11.09999	29.99153	30.11859	29.86922	1.28217	1.39999	1.1	19.29215	0	19.28527	220424953	4020310	76
08/25/2017 04:07:07	16.675	16.69148	16.65774	730	730	730	9.91345	10	9.9	11.19563	11.29999	11.09999	29.99153	30.11859	29.86922	1.28217	1.5	1.19999	19.37535	0.02322	19.36861	220424953	4020310	76
08/25/2017 04:12:07	16.67506	16.69801	16.653	730	730	730	9.89999	10	9.69999	11.18317	11.19999	11.09999	30.03911	30.11859	29.95234	1.28318	1.5	1.19999	19.45855	0	19.45166	220424953	4020310	76
08/25/2017 04:17:07	16.67275	16.68201	16.64824	730	730	730	9.85293	9.9	9.69999	11.28655	11.29999	11.19999	30.09031	30.17401	30.00776	1.43362	1.6	1.3	19.54176	0.04016	19.53527	220424953	4020310	76
08/25/2017 04:22:07	16.67275	16.68201	16.64824	730	730	730	9.85293	9.9	9.69999	11.28655	11.29999	11.19999	30.09031	30.17401	30.00776	1.43362	1.6	1.3	19.62496	0.04019	19.61833	220424953	4020310	76
08/25/2017 04:27:07	16.67336	16.68675	16.653	730	730	730	9.80579	9.9	9.69999	11.28449	11.49999	11.19999	30.07555	30.17401	29.95234	1.4787	1.8	1.3	19.70816	0.01691	19.70194	220424953	4020310	76
08/25/2017 04:32:07	16.67491	16.68675	16.64824	730	730	730	9.83943	9.9	9.69999	11.2158	11.29999	11.09999	30.0873	30.1463	30.00776	1.37636	1.6	1.19999	19.79136	0	19.78527	220424953	4020310	76
08/25/2017 04:37:07	16.67527	16.68675	16.653	730	730	730	9.82583	9.9	9.69999	11.20336	11.29999	11.09999	30.09845	30.17401	29.98005	1.37753	1.6	1.3	19.87457	0.04012	19.86861	220424953	4020310	76
08/25/2017 04:42:07	16.67527	16.68675	16.653	730	730	730	9.82583	9.9	9.69999	11.20336	11.29999	11.09999	30.09845	30.17401	29.98005	1.37753	1.6	1.3	19.95777	0.0401	19.95166	220424953	4020310	76
08/25/2017 04:47:07	16.67421	16.69148	16.64649	730	730	730	9.75387	9.9	9.69999	11.10334	11.19999	10.99999	30.10906	30.17401	30.03547	1.34946	1.5	1.09999	20.04098	0.0401	20.03527	220424953	4020310	76
08/25/2017 04:52:07	16.67421	16.69148	16.64649	730	730	730	9.75387	9.9	9.69999	11.10334	11.19999	10.99999	30.10906	30.17401	30.03547	1.34946	1.5	1.09999	20.12418	0.057	20.11833	220424953	4020310	76
08/25/2017 04:57:07	16.67428	16.69148	16.65123	730	730	730	9.69998	9.9	9.6	11.08648	11.19999	10.99999	30.12507	30.20172	30.06318	1.3865	1.5	1.09999	20.20738	0	20.20194	220424953	4020310	76
08/25/2017 05:02:07	16.67428	16.69148	16.65123	730	730	730	9.69998	9.9	9.6	11.08648	11.19999	10.99999	30.12507	30.20172	30.06318	1.3865	1.5	1.3	20.29058	0.0401	20.28527	220424953	4020310	76
08/25/2017 05:07:07	16.67422	16.68023	16.65774	730	730	730	9.67975	9.69999	9.6	11.07746	11.09999	10.99999	30.16253	30.22943	30.09088	1.39771	1.5	1.3	20.37379	0.08023	20.36833	220424953	4020310	76
08/25/2017 05:12:07	16.67544	16.69327	16.653	730	730	730	9.63604	9.69999	9.5	11.19663	11.29999	11.09999	30.2177	30.31255	30.11859	1.56059	1.7	1.4	20.45699	0.08023	20.45194	220424953	4020310	76
08/25/2017 05:17:07	16.6754	16.68675	16.653	730	730	730	9.64618	9.69999	9.5	11.19	11.29999	11.09999	30.21064	30.31255	30.11859	1.54381	1.7	1.4	20.54019	0	20.53527	220424953	4020310	76
08/25/2017 05:22:07	16.6754	16.68675	16.653	730	730	730	9.64618	9.69999	9.5	11.19	11.29999	11.09999	30.21064	30.31255	30.11859	1.54381	1.7	1.4	20.6234	0.02322	20.61833	220424953	4020310	76
08/25/2017 05:27:07	16.67486	16.69148	16.65774	730	730	730	9.63705	9.69999	9.5	11.13375	11.29999	10.99999	30.18717	30.28484	30.09088	1.4967	1.7	1.3	20.7066	0.06335	20.70194	220424953	4020310	76
08/25/2017 05:32:07	16.67486	16.69148	16.65774	730	730	730	9.63705	9.69999	9.5	11.13375	11.29999	10.99999	30.18717	30.28484	30.09088	1.4967	1.7	1.3	20.7898	0.01687	20.785	220424953	4020310	76
08/25/2017 05:37:07	16.67522	16.69148	16.65123	730	730	730	9.60564	9.69999	9.5	11.15958	11.19999	10.99999	30.20239	30.34025	30.11859	1.55394	1.7	1.39999	20.87301	0.01687	20.86833	220424953	4020310	76
08/25/2017 05:42:07	16.67494	16.69148	16.65123	730	730	730	9.57753	9.69999	9.5	11.13362	11.19999	10.99999	30.23366	30.28484	30.11859	1.55609	1.7	1.4	20.95621	0.02322	20.95166	220424953	4020310	76
08/25/2017 05:47:07	16.67492	16.68675	16.65774	730	730	730	9.55514	9.69999	9.5	11.15721	11.19999	11.09999	30.22495	30.28484	30.1463	1.60206	1.7	1.4	21.03941	0	21.035	220424953	4020310	76
08/25/2017 05:52:07	16.67594	16.68968	16.65416	730	730	730	9.53027	9.69999	9.5	10.9382	11.09999	10.69999	30.21486	30.31255	30.11859	1.40793	1.6	1.2	21.12262	0.01417	21.11833	220424953	4020310	76
08/25/2017 05:57:07	16.67406	16.69367	16.64219	730.06909	730.10003	730	9.49327	9.6	9.4	10.99552	11.19999	10.89999	30.24645	30.34025	30.11859	1.50224	1.7	1.39999	21.20582	0	21.20194	220424953	4020310	76
08/25/2017 06:02:07	16.67406	16.69367	16.64219	730.06909	730.10003	730	9.49327	9.6	9.4	10.99552	11.19999	10.89999	30.24645	30.34025	30.11859	1.50224	1.7	1.39999	21.28902	0.01677	21.285	220424953	4020310	76
08/25/2017 06:07:07	16.67507	16.69838	16.65163	730.10003	730.10003	730.10003	9.49328	9.5	9.4	10.77877	10.89999	10.59999	30.19859	30.28484	30.11859	1.28549	1.5	1.1	21.37222	0.04652	21.36833	220424953	4020310	76
08/25/2017 06:12:07	16.6758	16.69367	16.65993	730.10003	730.10003	730.10003	9.44612	9.5	9.3	10.95942	11.19999	10.69999	30.2703	30.34025	30.20172	1.51329	1.8	1.2	21.45543	0.08019	21.45194	220424953	4020310	76
08/25/2017 06:17:07	16.6758	16.69367	16.65993	730.10003	730.10003	730.10003	9.44612	9.5	9.3	10.95942	11.19999	10.69999	30.2703	30.34025	30.20172	1.51329	1.8	1.2	21.53863	0	21.535	220424953	4020310	76
08/25/2017 06:22:07	16.67656	16.69547	16.6552	730.10003	730.10003	730.10003	9.4303	9.5	9.3	11.23376	11.49999	11.09999	30.28032	30.36796	30.20172	1.80345	2	1.6	21.62183	0.04018	21.61833	220424953	4020310	76
08/25/2017 06:27:07	16.67445	16.68695	16.65962	730.20001	730.20001	730.20001	9.46299	9.5	9.3	11.82464	12.09999	11.69999	30.29432	30.39567	30.22943	2.36165	2.6	2.2	21.70504	0.04632	21.70194	220424953	4020310	76
08/25/2017 06:32:07	16.67445	16.68695	16.65962	730.20001	730.20001	730.20001	9.46299	9.5	9.3	11.82464	12.09999	11.69999	30.29432	30.39567	30.22943	2.36165	2.6	2.19999	21.78824	0.01701	21.785	220424953	4020310	76
08/25/2017 06:37:07	16.67399	16.69346	16.65962	730.24279	730.30004	730.20001	9.50002	9.6	9.4	11.88646	12.09999	11.69999	30.24534	30.34025	30.11859	2.38644	2.6	2.19999	21.87144	0.02319	21.86833	220424953	4020310	76
08/25/2017 06:42:07	16.67509	16.69569	16.66014	730.29699	730.30004	730.20001	9.50336	9.69999	9.4	11.68893	11.79999	11.59999	30.19551	30.25713	30.11859	2.18556	2.39999	2	21.95465	0.02316	21.95166	220424953	4020310	76
08/25/2017 06:47:07	16.67701	16.69092	16.66014	730.30004	730.30004	730.30004	9.58753	9.69999	9.5	11.7572	11.89999	11.59999	30.19945	30.31255	30.11859	2.16968	2.3	1.9	22.03785	0.02319	22.035	220424953	4020310	76
08/25/2017 06:52:07	16.67519	16.69092	16.66187	730.30004	730.30004	730.30004	9.66062	9.69999	9.6	11.74272	11.89999	11.59999	30.16079	30.28484	30.03547	2.08209	2.3	1.9	22.12105	0	22.11833	220424953	4020310	76
08/25/2017 06:57:07	16.67761	16.68918	16.66664	730.30004	730.30004	730.30004	9.68319	9.69999	9.6	11.70002	11.79999	11.59999	30.12701	30.20172	30.06318	2.01683	2.1	1.9	22.20426	0	22.20166	220424953	4020310	76
08/25/2017 07:02:07	16.67286	16.69394	16.6519	730.30004	730.30004	730.30004	9.76068	9.9	9.69999	11.50248	11.59999	11.29999	30.10851	30.17401	30.03547	1.7418	1.9	1.39999	22.28746	0	22.28527	220424953	4020310	76
08/25/2017 07:07:07	16.67286	16.69394	16.6519	730.30004	730.30004	730.30004	9.76068	9.9	9.69999	11.50248	11.59999	11.29999	30.10851	30.17401	30.03547	1.7418	2	1.69999	22.37066	0	22.36861	220424953	4020310	76
08/25/2017 07:12:07	16.67564	16.69092	16.6506	730.32568	730.40002	730.30004	9.87977	9.9	9.69999	11.8303	11.89999	11.69999	30.10176	30.17401	30.03547	1.95053	2.2	1.8	22.45386	0.04924	22.45194	220424953	4020310	76
08/25/2017 07:17:07	16.67338	16.6914	16.65934	730.40002	730.40002	730.40002	9.89999	10	9.69999	11.7484	11.89999	11.59999	30.06259	30.1463	29.98005	1.84841	2.1	1.6	22.53707	0	22.53527	220424953	4020310	76
08/25/2017 07:22:07	16.67472	16.6914	16.65761	730.40002	730.40002	730.40002	9.92025	10	9.9	11.59899	11.69999	11.49999	30.04241	30.11859	29.95234	1.67873	1.8	1.5	22.62027	0	22.61861	220424953	4020310	76
08/25/2017 07:27:07	16.67472	16.6914	16.65761	730.40002	730.40002	730.40002	9.92025	10	9.9	11.59899	11.69999	11.49999	30.04241	30.11859	29.95234	1.67873	1.8	1.5	22.70347	0.04016	22.70166	220424953	4020310	76
08/25/2017 07:32:07	16.67577	16.68886	16.65984	730.45495	730.5	730.40002	10.00001	10.1	9.9	11.57648	11.69999	11.29999	30.03236	30.11859	29.95234	1.57646	1.7	1.3	22.78668	0.04012	22.78527	220424953	4020310	76
08/25/2017 07:37:07	16.67577	16.68886	16.65984	730.45495	730.5	730.40002	10.00001	10.1	9.9	11.57648	11.69999	11.29999	30.03236	30.11859	29.95234	1.57646	1.7	1.3	22.86988	0	22.86833	220424953	4020310	76
08/25/2017 07:42:07	16.67606	16.69061	16.66158	730.5	730.5	730.5	10.05055	10.1	10	11.95394	12.29999	11.59999	30.03144	30.1463	29.86922	1.90338	2.2	1.5	22.95308	0.02901	22.95166	220424953	4020310	76
08/25/2017 07:47:07	16.67482	16.68781	16.65782	730.5509	730.60003	730.5	10.31118	10.5	10.19999	12.9245	12.99999	12.79999	29.81184	29.89692	29.70297	2.61331	2.8	2.4	23.03629	0	23.03527	220424953	4020310	76
08/25/2017 07:52:07	16.67482	16.68781	16.65782	730.5509	730.60003	730.5	10.31118	10.5	10.19999	12.9245	12.99999	12.79999	29.81184	29.89692	29.70297	2.61331	2.8	2.4	23.11949	0	23.11833	220424953	4020310	76
08/25/2017 07:57:07	16.67365	16.69017	16.65944	730.60003	730.60003	730.60003	10.80883	10.9	10.6	13.25505	13.49999	13.09999	29.79162	29.86922	29.70297	2.44621	2.69999	2.3	23.20269	0.0404	23.20194	220424953	4020310	76
08/25/2017 08:02:07	16.67365	16.69017	16.65944	730.60003	730.60003	730.60003	10.80883	10.9	10.6	13.25505	13.49999	13.09999	29.79162	29.86922	29.70297	2.44621	2.69999	2.3	23.2859	0.04047	23.285	220424953	4020310	76
08/25/2017 08:07:07	16.67521	16.69982	16.6495	730.60003	730.60003	730.60003	11.11222	11.4	10.9	13.86049	14.19999	13.39999	29.73711	29.81381	29.64755	2.74826	3	2.5	23.36911	0.02297	23.36833	220424953	4020310	76
08/25/2017 08:12:07	16.67471	16.68748	16.64206	730.67309	730.70001	730.60003	11.46628	11.8	11.19999	14.08777	14.29999	13.99999	29.7214	29.81381	29.61985	2.62148	2.8	2.1	23.45231	0.04052	23.45166	220424953	4020310	76
08/25/2017 08:17:07	16.67602	16.69394	16.65341	730.70044	730.80004	730.70001	11.85059	12.1	11.5	14.28313	14.59999	14.09999	29.70301	29.84151	29.61985	2.43254	2.8	2.1	23.53552	0.02835	23.535	220424953	4020310	76
08/25/2017 08:22:07	16.67473	16.70583	16.6524	730.77075	730.80004	730.70001	12.19539	12.4	12	14.39208	14.59999	14.19999	29.76497	29.84151	29.59214	2.19669	2.39999	1.89999	23.61872	0.04065	23.61833	220424953	4020310	76
08/25/2017 08:27:07	16.67353	16.69429	16.65721	730.90002	730.90002	730.90002	12.99648	13.19999	12.69999	15.55587	15.79999	15.29999	29.58259	29.70297	29.50902	2.55938	2.8	2.3	23.70193	0.04574	23.70194	220424953	4020310	76
08/25/2017 08:32:07	16.67353	16.69429	16.65721	730.90002	730.90002	730.90002	12.99648	13.19999	12.69999	15.55587	15.79999	15.29999	29.58259	29.70297	29.50902	2.55938	2.8	2.3	23.78513	0.02284	23.785	220424953	4020310	76

08/25/2017 08:37:07	16.6735	16.69594	16.64722	730.93878	731	730.90002	13.43581	13.69999	13.19999	15.78293	16.3	15.49999	29.60838	29.70297	29.50902	2.34711	2.7	1.99999	23.86833	0.04078	23.86833	220424953	4020310	76
08/25/2017 08:42:07	16.67392	16.69594	16.64883	731	731	731	13.82146	14.09999	13.59999	16.21799	16.39999	15.99999	29.61089	29.70297	29.50902	2.39652	2.3	1.8	23.95154	0.018	23.95194	220424953	4020310	76
08/25/2017 08:47:07	16.67424	16.6934	16.65134	731.08728	731.10003	731	14.29885	14.5	14.09999	16.30921	16.49999	15.99999	29.56044	29.70297	29.4536	2.01035	2.3	1.8	24.00007	0	23.99972	220424953	4020310	76

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	1	
Source	D 12000	
Sampling Method	Event Bit	
Device	M 972	
	VRL5-PM10	

Date and Time	Qvol Avg	Qvol max	Qvol min	Pa Avg	Pa Max	Pa Min	Tfilter Avg	Tfilter Max	Tfilter Min	Tamb Avg	Tamb Max	Tamb Min	Press Avg	Press Max	Press Min	Tvar Avg	Tvar Max	Tvar Min	Flow Total	Flow CV	Sample Time	Filter ID	Site ID	Unit S/N
08/21/2017 16:37:18	0	0	0	729.17071	729.29998	729.09997	25.39665	25.6	25	26.04967	26.3	25.8	8.50631	8.61718	8.45094	0.65302	2.7	0.99999	23.01835	0	23.00055	2932939	3940	79
08/21/2017 16:42:18	0	0	0	730.93383	731.29998	730.59997	30.87965	31.3	25.4	28.90308	29.5	26.4	80.41816	131.22509	0	2.04399	2.7	0.99999	23.01835	0	23.00055	2932939	3940	79
08/21/2017 16:47:18	0	0	0	730.81109	730.90002	730.79998	30.88657	31	30.7	28.70402	29.2	28.2	6.24879	6.31742	6.20659	2.18255	2.7	1.6	23.01835	0	23.00055	2932939	3940	79
08/21/2017 16:52:18	0	0	0	730.83258	730.90002	730.70001	30.7423	30.9	30.6	28.63687	29.1	28.2	6.27605	6.37284	6.20659	2.10542	2.6	1.8	23.01835	0	23.00055	2932939	3940	79
08/21/2017 16:57:18	0	0	0	730.9862	731.09997	730.90002	30.65301	30.7	30.4	28.49869	28.8	28	6.27911	6.34513	6.20659	2.15432	2.6	1.8	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:02:18	5.60582	18.33395	0	732.69226	733.5	731.09997	27.57154	30.7	26.1	26.74506	28.9	25.69999	9.94465	19.50643	6.17888	0.82648	0.8	0.3	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:07:18	0	0	0	733.54156	733.70001	733.5	26.00337	26.2	25.9	25.51878	25.69999	25.3	6.33109	6.34513	6.31742	0.48458	0.8	0.3	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:12:18	0	0	0	733.604	733.70001	733.59997	25.63824	25.9	25.5	25.55305	25.69999	25.3	6.42548	6.51138	6.34513	0.10533	0.4	0	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:17:18	0	0	0	733.63049	733.70001	733.5	25.62279	25.9	25.5	25.56918	26.1	25.3	6.5111	6.51138	6.48367	0.21475	0.8	0	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:22:18	0	0	0	733.70031	733.79998	733.59997	25.63693	25.9	25.5	25.27454	25.6	25	6.53155	6.53909	6.51138	0.36239	0.8	0	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:27:18	0	0	0	733.78491	733.89996	733.70001	25.66643	25.9	25.6	25.3457	25.6	25	6.53909	6.53909	6.53909	0.32073	0.7	0	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:32:18	0	0	0	733.85064	733.89996	733.79998	25.64698	25.9	25.6	25.0618	25.3	24.8	6.53909	6.53909	6.53909	0.58518	1	0.3	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:37:18	0	0	0	733.89093	733.89996	733.79998	25.65703	25.9	25.5	25.10475	25.3	24.8	6.55275	6.56679	6.53909	0.55228	0.9	0.3	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:42:18	0	0	0	733.89593	733.89996	733.79998	25.6067	25.7	25.5	24.96031	25.4	24.69999	6.60778	6.67763	6.56679	0.64639	0.9	0.1	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:47:18	0	0	0	733.89996	733.89996	733.89996	25.57787	25.9	25.5	24.60011	25.1	24.3	6.68208	6.73304	6.62221	0.97777	1.2	0.5	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:52:18	0	0	0	733.89996	733.89996	733.89996	25.46307	25.6	25.3	24.05103	24.4	23.8	6.76149	6.95471	6.67763	1.41203	1.7	1.1	23.01933	0	23.00055	2932939	3940	79
08/21/2017 17:57:18	0	0	0	733.89996	733.89996	733.89996	25.46307	25.6	25.3	24.05103	24.4	23.8	6.76149	6.95471	6.67763	1.41203	2.1	1.5	23.01933	0	23.00055	2932939	3940	79
08/21/2017 18:02:18	0	0	0	733.89996	733.89996	733.89996	25.33295	25.5	25.1	23.42419	23.8	23.19999	6.74	6.89929	6.64992	1.90876	2	1.3	23.01933	0	23.00055	2932939	3940	79
08/21/2017 18:07:18	0	0	0	733.87249	733.89996	733.79998	25.11349	25.3	24.9	23.32691	23.8	23.1	6.84709	7.01012	6.70533	1.78658	2.2	1.7	23.01933	0	23.00055	2932939	3940	79
08/21/2017 18:12:18	0	0	0	733.76544	733.89996	733.70001	24.90003	25.1	24.7	22.92828	23.19999	22.6	6.99532	7.03783	6.76075	1.97175	2.2	1.7	23.01933	0	23.00055	2932939	3940	79
08/21/2017 18:17:18	0	0	0	733.70001	733.70001	733.70001	24.61954	24.9	24.4	22.84102	23	22.69999	7.025	7.03783	6.89929	1.77852	2.2	1.4	23.01933	0	23.00055	2932939	3940	79
08/21/2017 18:22:18	0	0	0	733.70001	733.79998	733.59997	24.33294	24.5	24.2	22.66984	23	22.5	7.02639	7.03783	6.927	1.66309	1.9	1.4	23.01933	0	23.00055	2932939	3940	79
08/21/2017 18:27:18	0	0	0	733.7738	733.79998	733.70001	23.99533	24.2	23.8	22.53553	22.69999	22.4	6.95633	7.03783	6.76075	1.45979	1.7	1.2	23.01933	0	23.00055	2932939	3940	79
08/21/2017 18:32:18	0	0	0	733.80804	733.89996	733.70001	23.77322	23.9	23.6	22.26906	22.6	22	6.89588	7.03783	6.73304	1.50416	1.8	1.2	23.01933	0	23.00055	2932939	3940	79
08/21/2017 18:37:18	0	0	0	733.65771	733.79998	733.59997	23.23829	23.5	23	21.88584	22	21.69999	6.97871	7.17637	6.73304	1.35245	1.5	1.1	23.01933	0	23.00055	2932939	3940	79
08/21/2017 18:42:18	0	0	0	733.65771	733.79998	733.59997	23.23829	23.5	23	21.88584	22	21.69999	6.97871	7.17637	6.73304	1.35245	1.5	1.1	23.01933	0	23.00055	2932939	3940	79
08/21/2017 18:47:18	0	0	0	733.70434	733.79998	733.59997	22.9934	23.2	22.7	21.78254	22	21.69999	6.9069	7.03783	6.73304	1.21086	1.4	0.9	23.01933	0	23.00055	2932939	3940	79
08/21/2017 18:54:53	0	0	0	733.71392	733.79998	733.70001	22.41672	22.6	22.1	21.64693	21.8	21.4	7.06544	7.17637	7.01012	0.76979	1	0.6	23.01933	0	23.00055	220424908	4050110	79
08/21/2017 18:59:53	16.13874	17.71682	0	733.81604	733.89996	733.70001	21.8829	22.3	21.5	21.4599	21.69999	21.3	24.60916	27.34779	7.06554	0.423	0.9	0.1	0.08039	0.04038	0.08138	220424908	4050110	79
08/21/2017 19:04:53	16.13874	17.71682	0	733.81604	733.89996	733.70001	21.8829	22.3	21.5	21.4599	21.69999	21.3	24.60916	27.34779	7.06554	0.423	0.6	0	0.16376	0.06244	0.16444	220424908	4050110	79
08/21/2017 19:09:53	16.67459	16.70666	16.64176	733.77862	733.89996	733.70001	21.07265	21.3	20.9	21.1428	21.3	20.8	25.4654	25.51907	25.2974	0.17768	0.4	0	0.24714	0.06242	0.24805	220424908	4050110	79
08/21/2017 19:14:53	16.67387	16.70295	16.65042	733.72113	733.79998	733.70001	20.76993	20.9	20.6	21.08274	21.3	20.8	25.53808	25.6299	25.40823	0.31281	0.59999	0	0.33051	0.01827	0.33138	220424908	4050110	79
08/21/2017 19:19:53	16.67387	16.70295	16.65042	733.72113	733.79998	733.70001	20.76993	20.9	20.6	21.08274	21.3	20.8	25.53808	25.6299	25.40823	0.31281	0.59999	0	0.41389	0	0.41444	220424908	4050110	79
08/21/2017 19:24:53	16.67607	16.69569	16.65555	733.69366	733.79998	733.59997	20.54239	20.7	20.3	20.79657	21.1	20.69999	25.66636	25.82385	25.49136	0.25418	0.8	0.09999	0.49726	0.08061	0.49777	220424908	4050110	79
08/21/2017 19:29:53	16.67529	16.69213	16.66068	733.67535	733.89996	733.59997	20.28862	20.5	20.2	20.76311	20.8	20.69999	25.75131	25.85156	25.60219	0.47449	0.59999	0.19999	0.58064	0.08061	0.58111	220424908	4050110	79
08/21/2017 19:34:53	16.67655	16.69213	16.66084	733.8443	733.89996	733.79998	20.00002	20.2	19.9	20.69663	20.8	20.6	25.75215	25.82385	25.6576	0.69661	0.8	0.49999	0.66402	0.04032	0.66472	220424908	4050110	79
08/21/2017 19:39:53	16.67526	16.69723	16.65851	733.75036	733.79998	733.59997	19.8994	20	19.7	20.50615	20.69999	20.3	25.84128	25.9901	25.74073	0.60674	0.8	0.4	0.7474	0	0.74805	220424908	4050110	79
08/21/2017 19:44:53	16.67526	16.69723	16.65851	733.75036	733.79998	733.59997	19.8994	20	19.7	20.50615	20.69999	20.3	25.84128	25.9901	25.74073	0.60674	0.59999	0.1	0.83077	0.04909	0.83138	220424908	4050110	79
08/21/2017 19:49:53	16.67537	16.69374	16.65741	733.64733	733.70001	733.59997	19.71011	19.9	19.6	20.14631	20.3	20	25.96864	26.12864	25.85156	0.4362	0.59999	0.1	0.91415	0.04021	0.91444	220424908	4050110	79
08/21/2017 19:54:53	16.67485	16.7013	16.64635	733.609	733.70001	733.5	19.55923	19.7	19.3	20.03357	20.3	19.69999	26.05789	26.15635	25.93468	0.47434	0.69999	0.19999	0.99753	0	0.99777	220424908	4050110	79
08/21/2017 19:59:53	16.67553	16.68896	16.64388	733.65771	733.70001	733.59997	19.41949	19.6	19.3	19.81877	20.1	19.6	25.99378	26.10093	25.87927	0.39928	0.69999	0.19999	1.0809	0	1.08111	220424908	4050110	79
08/21/2017 20:04:53	16.67492	16.69633	16.65514	733.75842	733.79998	733.70001	19.2162	19.4	19	19.64495	20	19.5	25.94526	26.04552	25.82385	0.42875	0.69999	0.19999	1.16427	0.02217	1.16444	220424908	4050110	79
08/21/2017 20:09:53	16.6745	16.6953	16.66152	733.604	733.70001	733.59997	18.82958	18.9	18.7	19.4463	19.5	19.4	26.12123	26.18406	26.04552	0.61671	0.8	0.5	1.24764	0	1.24805	220424908	4050110	79
08/21/2017 20:14:53	16.67515	16.70033	16.65412	733.63855	733.70001	733.59997	18.61537	18.8	18.4	19.09544	19.4	18.8	26.15247	26.26719	26.07322	0.48006	0.9	0.19999	1.33101	0.0623	1.33138	220424908	4050110	79
08/21/2017 20:19:53	16.67415	16.69416	16.64177	733.68188	733.70001	733.59997	18.4397	18.7	18.3	18.73828	19	18.4	26.16857	26.3226	26.01781	0.30529	0.5	0.09999	1.41439	0.04449	1.41472	220424908	4050110	79
08/21/2017 20:24:53	16.67358	16.69041	16.65299	733.77679	733.89996	733.70001	18.24297	18.3	18.1	18.51212	18.69999	18.19999	26.09739	26.21177	25.9901	0.26915	0.49999	0	1.49775	0.03999	1.49805	220424908	4050110	79
08/21/2017 20:29:53	16.67358	16.69041	16.65299	733.77679	733.89996	733.70001	18.24297	18.3	18.1	18.51212	18.69999	18.19999	26.09739	26.21177	25.9901	0.26915	0.49999	0	1.58111	0.07996	1.58111	220424908	4050110	79
08/21/2017 20:34:53	16.67323	16.69041	16.66047	733.79998	733.79998	733.79998	18.0021	18.2	17.8	18.25371	18.5	18.1	26.13478	26.23948	26.01781	0.2516	0.5	0	1.66449	0.01298	1.66444	220424908	4050110	79
08/21/2017 20:39:53	16.67514	16.69905	16.65294	733.84051	733.89996	733.79998	17.75652	17.9	17.6	17.99613	18.19999	17.8	26.16875	26.29489	26.07322	0.2396	0.5	0	1.74787	0.02696	1.74777	220424908	4050110	79
08/21/2017 20:44:53	16.67547	16.69657	16.65541	733.89996	733.89996	733.89996	17.54576	17.7	17.3	17.82285	18.1	17.69999	26.1638	26.29489	26.04552	0.27709	0.8	0.09999	1.83125	0	1.83111	220424908	4050110	79
08/21/2017 20:49:53	16.67336	16.69393	16.6541	733.91107	734	733.89996	17.08593	17.2	16.9	17.6565	17.8	17.5	26.18382	26.29489	26.04552	0.57057	0.8	0.4	1.91461	0	1.91472	220424908	4050110	79
08/21/2017 20:54:53	16.67293	16.69258	16.6577	733.88867	733.89996	733.79998	16.93242	17.1	16.7	17.39878	17.6	17.19999	26.24569	26.3226	26.12864	0.46635	0.6	0.19999	1.99798	0.03101	1.99805	220424908	4050110	79
08/21/2017 20:59:53	16.67293	16.69258	16.6577	733.88867	733.89996	733.79998	16.93242	17.1	16.7	17.39878	17.6	17.19999	26.24569	26.3226	26.12864	0.46635	0.7	0.1	2.08136	0.03981	2.08111	220424908	4050110	79
08/21/2017 21:04:53	16.67523	16.6937	16.64518	733.85437	733.89996	733.79998	16.69204	16.9	16.4	17.15976	17.3	17	26.27476	26.37801	26.18406	0.46772	0.7	0.1	2.16474	0.00488	2.16444	220424908	4050110	79
08/21/2017 21:09:53	16.676	16.70377	16.65144	733.90503	734	733.89996	16.32959	16.4	16	17.1906	17.5	17.1	26.28838	26.46114	26.18406	0.86101	1.3	0.7	2.24813	0.07966	2.24805	220424908	4050110	79
08/21/2017 21:14:53	16.676	16.70377	16.65144	733.90503	734	733.89996	16.32959	16.4	16	17.1906	17.5	17.1	26.28838	26.46114	26.18406	0.86101	1.3	0.69999	2.33151	0	2.33138	220424908	4050110	79
08/21/2017 21:19:53	16.67578	16.69122	16.6525	733.9516	734	733.89996	16.13566	16.3	15.9	17.0994	17.3	16.9	26.2814	26.40572	26.21177	0.96374	1.3	0.69999	2.41487	0.01735	2.41444	220424908	4050110	79
08/21/2017 21:24:53	16.67424	16.69853	16.65877	733.99701	734	733.89996	16.0013	16.4	15.9	16.85313	17.1	16.6	26.32011	26.46114	26.21177	0.85182	1.1	0.59999	2.49824	0.0224	2.49777	220424908	4050110	79
08/21/2017 21:29:53	16.67376	16.69429	16.65211	733.99499	734.09997	733.89996	15.73288	16	15.5	16.42619	16.5	16.1	26.55213	26.62738	26.43343	0.69331	0.9	0.5	2.5816	0.09676	2.58138	220424908	4050110	79
08/21/2017 21:34:53	16.67492	16.69914	16.64688	734.01507	734.09997	734	15.52892	15.7	15.3	16.25997	16.4	16.1	26.55681	26.65509	26.46114	0.73104	0.9	0.4	2.66497	0.08452	2.66472	220424908	4050110	79
08/21/2017 21:39:53	16.67492	16.69914	16.64688	734.01507	734.09997	734	15.52892	15.7	15.3	16.25997	16.4	16.1	26.55681	26.65509	26.46114	0.73104	0.9	0.4	2.74835	0.01717	2.74777	220424908	4050110	79
08/21/2017 21:44:53	16.6749	16.69914	16.64688	734.07983	734.20001	734	15.37585	15.7	15.2	16.08	16.4	15.9	26.56212	26.65509	26.43343	0.70415	0.99999	0.5	2.83173	0.03436	2.83111	220424908	4050110	79
08/21/2017 21:49:53	16.67508	16.69607	16.65642	734.16272	734.20001	734.09997	15.21283	15.3	14.9	15.93029	16.1	15.8	26.4732	26.59968	26.26719	0.71746	1	0.49999	2.91512	0	2.91444	220424908	4050110	79
08/21/2017 21:54:53	16.67629	16.70087	16.65642	734.20001	734.20001	734.20001	15.01419	15.2	14.8	15.7993	16	15.5	26.51913	26.65509	26.3503	0.78511	1.1	0.59999	2.99849	0.03424	2.99777	220424908	4050110	79
08/21/2017 21:59:53	16.67507	16.69457	16.64865	734.20001	734.20001	734.20001	14.86315	15.2	14.7	15.71629	15.8	15.5	26.53835	26.62738	26.40572	0.85314	0.99999	0.49999	3.08186	0.00884	3.08138	220424908	4050110	79
08/21/2017 22:04:53	16.67371	16.70568	16.64235	734.23022	734.29998	734.20001	14.72362	14.9	14.6	15.49002	15.69999	15.3	26.56689	26.62738	26.48885	0.7664	0.99999	0.49999	3.16522	0	3.16444	220424908	4050110	79
08/21/2017 22:09:53	16.67463	16.70894	16.64085	734.22418	734.29998	734.20001	14.59356	14.8	14.3	15.41008	15.69999	15.19999	26.57801	26.65509	26.48885	0.81652	1.39999	0.59999	3.24858	0	3.24777	220424908	4050110	79
08/21/2017 22:14:53	16.67371	16.69859	16.64316	734.29998	734.29998	734.29998	14.31494	14.6	14	15.22688	15.4	15.1	26.6161	26.71051	26.48885	0.91193	1.19999	0.59999	3.33194	0.02249	3.33138	220424908	4050110	79
08/21/2017 22:19:53	16.67371	16.69859	16.64316	734.29998	734.29998	734.29998	14.31494	14.6	14	15.22688	15.4	15.1	26.6161	26.71051	26.48885	0.91193	1.19999	0.59999	3.4153	0.01702	3.41444	220424908	4050110	79
08/21/2017 22:24:53	16.67302	16.71371	16.63056	734.28387	734.29998	734.20001	14.14965	14.3	14	15.23702	15.4	14.9	26.61154	26.71051	26.54426	1.08737	1.4	0.69999	3.49868	0.00818	3.49777	220424908	4050110	79
08/21/2017 22:29:53	16.67404	16.69382	16.66055	734.31134	734.39996	734.29998	14.01351	14.2	13.9	15.19534	15.4	15.1	26.58111	26.6828	26.51655	1.18183	1.4	1.09999	3.58204	0.045	3.58138	220424908	4050110	79
08/21/2017 22:34:53	16.67391	16.69859	16.65808	734.32415	734.39996	734.29998	13.96316	14.1	13.9	15.18657	15.4	15.1	26.63249	26.73822	26.51655	1.2234	1.4	1.09999	3.66541	0.03067	3.66444	220424908	4050110	79
08/21/2017 22:39:53	16.67371	16.69134	16.6493	734.37201	734.5	734.29998	13.81598	13.9	13.6	15.19881	15.4	15.1	26.63474	26.73822	26.54426	1.38282	1.69999	1.2	3.74879	0.01702	3.74777	220424908	4050110	79
08/21/2017 22:44:53	16.67436	16.70397	16.64069	734.39898	734.5	734.29998	13.66051	13.9	13.6	15.34658	15.69999	15.1	26.66219	26.76592	26.54426	1.68607	2.09999	1.3	3.83216	0.03413	3.83138	220424908	4050110	79

08/21/2017 22:49:53	16.67436	16.70397	16.64069	734.39898	734.5	734.29998	13.66051	13.9	13.6	15.34658	15.69999	15.1	26.66219	26.76592	26.54426	1.68607	2.09999	1.3	3.91555	0.0396	3.91444	220424908	4050110	79
08/21/2017 22:54:53	16.67638	16.69974	16.6548	734.44152	734.5	734.39996	13.59272	13.9	13.4	15.71952	15.9	15.5	26.66202	26.73822	26.54426	2.1268	2.4	1.8	3.99892	0.0449	3.99777	220424908	4050110	79
08/21/2017 22:59:53	16.67414	16.69823	16.649	734.48895	734.5	734.39996	13.63374	13.9	13.4	15.80982	16	15.5	26.62318	26.73822	26.54426	2.17608	2.7	2	4.08229	0.06207	4.08111	220424908	4050110	79
08/21/2017 23:04:53	16.67511	16.69258	16.65294	734.41204	734.5	734.29998	13.64153	13.9	13.4	15.98264	16.1	15.8	26.6751	26.76592	26.51655	2.34111	2.7	2	4.16566	0.02244	4.16444	220424908	4050110	79
08/21/2017 23:09:53	16.67443	16.69258	16.65294	734.39996	734.39996	734.39996	13.71017	13.9	13.4	15.98119	16.1	15.8	26.75644	26.87676	26.65509	2.27102	2.7	2.09999	4.24902	0.0172	4.24805	220424908	4050110	79
08/21/2017 23:14:53	16.67443	16.69258	16.65294	734.39996	734.39996	734.39996	13.71017	13.9	13.4	15.98119	16.1	15.8	26.75644	26.87676	26.65509	2.27102	2.7	2.09999	4.33237	0	4.33111	220424908	4050110	79
08/21/2017 23:19:53	16.67661	16.7027	16.65294	734.47558	734.5	734.39996	13.7759	14	13.6	16.13705	16.4	15.9	26.68124	26.79363	26.51655	2.36114	2.8	2	4.41573	0.06208	4.41472	220424908	4050110	79
08/21/2017 23:24:53	16.67661	16.7027	16.65294	734.47558	734.5	734.39996	13.7759	14	13.6	16.13705	16.4	15.9	26.68124	26.79363	26.51655	2.36114	2.8	2	4.4991	0.00528	4.49777	220424908	4050110	79
08/21/2017 23:29:53	16.67428	16.70222	16.65147	734.44555	734.5	734.39996	13.83079	14	13.6	15.83567	16.1	15.5	26.73354	26.82134	26.65509	2.00487	2.4	1.6	4.58247	0.02248	4.58111	220424908	4050110	79
08/21/2017 23:34:53	16.67544	16.70071	16.64602	734.46753	734.5	734.39996	13.87581	14	13.7	15.41839	15.69999	15.19999	26.80229	26.90447	26.6828	1.54258	1.8	1.3	4.66584	0.0532	4.66472	220424908	4050110	79
08/21/2017 23:39:53	16.67544	16.70071	16.64602	734.46753	734.5	734.39996	13.87581	14	13.7	15.41839	15.69999	15.19999	26.80229	26.90447	26.6828	1.54258	1.69999	1.1	4.7492	0.02251	4.74805	220424908	4050110	79
08/21/2017 23:44:53	16.67414	16.69288	16.65808	734.42315	734.5	734.39996	13.83443	14	13.6	15.1899	15.4	15.1	26.83668	26.93217	26.71051	1.35547	1.69999	1.1	4.83257	0.03946	4.83111	220424908	4050110	79
08/21/2017 23:49:53	16.67478	16.69362	16.63669	734.49798	734.5	734.39996	13.76583	13.9	13.6	15.06279	15.3	14.7	26.841	26.93217	26.73822	1.29695	1.59999	0.8	4.91593	0.10706	4.91444	220424908	4050110	79
08/21/2017 23:54:53	16.67366	16.69362	16.63038	734.5	734.5	734.5	13.71696	14	13.6	14.88198	15.1	14.7	26.8614	26.93217	26.79363	1.16502	1.5	0.8	4.9993	0.06199	4.99777	220424908	4050110	79
08/21/2017 23:59:53	16.67416	16.71103	16.64145	734.50201	734.59997	734.5	13.63644	13.9	13.4	14.96408	15.19999	14.7	26.85883	26.90447	26.79363	1.32764	1.89999	1	5.08266	0.03952	5.08138	220424908	4050110	79
08/22/2017 00:04:53	16.67398	16.70243	16.64393	734.43524	734.5	734.39996	13.55591	13.9	13.3	15.04964	15.3	14.8	26.88028	27.0153	26.79363	1.49372	1.89999	1	5.16603	0.03409	5.16444	220424908	4050110	79
08/22/2017 00:09:53	16.67435	16.70243	16.65024	734.41327	734.5	734.39996	13.45911	13.6	13.3	15.15643	15.19999	14.9	26.89573	27.0153	26.79363	1.69732	1.89999	1.5	5.2494	0.06756	5.24805	220424908	4050110	79
08/22/2017 00:14:53	16.67395	16.69995	16.64145	734.46167	734.5	734.39996	13.40876	13.6	13.3	15.05611	15.19999	14.8	26.92077	26.98759	26.84905	1.64735	1.89999	1.3	5.33277	0.05653	5.33138	220424908	4050110	79
08/22/2017 00:19:53	16.67495	16.70471	16.64145	734.5	734.5	734.5	13.36641	13.5	13.1	15.07976	15.19999	14.8	26.91653	27.0153	26.82134	1.71335	1.89999	1.3	5.41615	0.0395	5.41472	220424908	4050110	79
08/22/2017 00:24:53	16.67432	16.70471	16.64145	734.5	734.5	734.5	13.3562	13.6	13	15.07958	15.3	14.8	26.92186	27.04301	26.84905	1.72337	2.3	1.3	5.49952	0.03946	5.49805	220424908	4050110	79
08/22/2017 00:29:53	16.67432	16.70471	16.64145	734.5	734.5	734.5	13.3562	13.6	13	15.07958	15.3	14.8	26.92186	27.04301	26.84905	1.72337	2.1	1.39999	5.58288	0.05647	5.58111	220424908	4050110	79
08/22/2017 00:34:53	16.67421	16.70471	16.63515	734.5	734.5	734.5	13.33596	13.5	13	14.99385	15.19999	14.7	26.99416	27.07071	26.90447	1.65789	2.1	1.39999	5.66625	0.01688	5.66444	220424908	4050110	79
08/22/2017 00:39:53	16.67428	16.70313	16.65096	734.5	734.5	734.5	13.29326	13.4	13	14.79437	15.19999	14.5	26.9669	27.07071	26.84905	1.50111	2.1	1.2	5.74961	0.03941	5.74777	220424908	4050110	79
08/22/2017 00:44:53	16.67574	16.68974	16.65251	734.49377	734.5	734.39996	13.11645	13.4	12.9	14.25969	14.5	14.1	27.02033	27.09842	26.95988	1.14323	1.5	0.79999	5.83299	0.04516	5.83138	220424908	4050110	79
08/22/2017 00:49:53	16.67488	16.69832	16.64779	734.49395	734.5	734.39996	13.06179	13.3	12.9	14.20657	14.3	14.1	27.03481	27.09842	26.95988	1.14477	1.39999	0.79999	5.91635	0.03938	5.91472	220424908	4050110	79
08/22/2017 00:54:53	16.67467	16.69832	16.65089	734.5	734.5	734.5	12.94972	13.1	12.9	14.1168	14.3	13.9	27.02088	27.09842	26.93217	1.16707	1.39999	0.9	5.99973	0.06195	5.99805	220424908	4050110	79
08/22/2017 00:59:53	16.67469	16.69916	16.6272	734.49493	734.5	734.39996	12.89021	13	12.7	14.01427	14.2	13.7	27.05108	27.15384	26.93217	1.12406	1.3	0.7	6.0831	0.10135	6.08138	220424908	4050110	79
08/22/2017 01:04:53	16.67469	16.69916	16.6272	734.49493	734.5	734.39996	12.89021	13	12.7	14.01427	14.2	13.7	27.05108	27.15384	26.93217	1.12406	1.39999	0.8	6.16647	0.00588	6.16472	220424908	4050110	79
08/22/2017 01:09:53	16.67423	16.68812	16.6597	734.45037	734.5	734.39996	12.82688	13	12.7	13.88793	14.1	13.7	27.09826	27.23696	26.98759	1.06104	1.39999	0.8	6.24983	0	6.24777	220424908	4050110	79
08/22/2017 01:14:53	16.67404	16.68949	16.65173	734.39996	734.39996	734.39996	12.72007	12.9	12.5	13.74254	13.9	13.5	27.19732	27.34779	27.07071	1.02247	1.2	0.6	6.3332	0.04526	6.33111	220424908	4050110	79
08/22/2017 01:19:53	16.67557	16.70052	16.6611	734.39996	734.39996	734.39996	12.65323	12.9	12.3	13.58436	13.7	13.4	27.30433	27.3755	27.20925	0.93113	1.3	0.69999	6.41657	0.03928	6.41444	220424908	4050110	79
08/22/2017 01:24:53	16.6751	16.68949	16.65008	734.39996	734.39996	734.39996	12.54209	12.8	12.3	13.57646	13.7	13.4	27.29378	27.3755	27.18155	1.03437	1.4	0.6	6.49993	0.00596	6.49777	220424908	4050110	79
08/22/2017 01:29:53	16.6758	16.69833	16.65723	734.29998	734.29998	734.29998	12.36382	12.5	12.1	13.59272	13.7	13.3	27.34531	27.43092	27.26467	1.2289	1.5	1	6.5833	0	6.58138	220424908	4050110	79
08/22/2017 01:34:53	16.6758	16.69833	16.65723	734.29998	734.29998	734.29998	12.36382	12.5	12.1	13.59272	13.7	13.3	27.34531	27.43092	27.26467	1.2289	1.6	1.19999	6.66668	0	6.66472	220424908	4050110	79
08/22/2017 01:39:53	16.67567	16.69833	16.6542	734.29998	734.29998	734.29998	12.26296	12.5	12.1	13.62419	13.7	13.5	27.38791	27.48633	27.29238	1.36123	1.6	1.19999	6.75006	0.0393	6.74777	220424908	4050110	79
08/22/2017 01:44:53	16.67583	16.69833	16.64786	734.29998	734.29998	734.29998	12.19583	12.4	11.9	13.61767	13.7	13.5	27.43977	27.51404	27.32009	1.42184	1.8	1.19999	6.83344	0.05603	6.83138	220424908	4050110	79
08/22/2017 01:49:53	16.67583	16.69833	16.64786	734.29998	734.29998	734.29998	12.19583	12.4	11.9	13.61767	13.7	13.5	27.43977	27.51404	27.32009	1.42184	1.8	1.19999	6.91682	0.06789	6.91444	220424908	4050110	79
08/22/2017 01:54:53	16.67512	16.703	16.65255	734.29998	734.29998	734.29998	12.12355	12.3	11.9	13.51026	13.7	13.4	27.44146	27.54175	27.32009	1.3867	1.6	1.1	7.00018	0.02263	6.99777	220424908	4050110	79
08/22/2017 01:59:53	16.67518	16.703	16.65255	734.29998	734.29998	734.29998	12.108	12.4	11.9	13.50317	13.6	13.4	27.47501	27.56946	27.40321	1.39517	1.69999	1.1	7.08356	0	7.08111	220424908	4050110	79
08/22/2017 02:04:53	16.675	16.703	16.65255	734.29998	734.29998	734.29998	12.01626	12.2	11.9	13.51009	13.7	13.4	27.50413	27.62487	27.43092	1.49383	1.8	1.19999	7.16694	0.01665	7.16444	220424908	4050110	79
08/22/2017 02:09:53	16.6755	16.6881	16.6597	734.20001	734.20001	734.20001	12.01261	12.2	11.8	13.50992	13.6	13.4	27.51364	27.59717	27.45863	1.49731	1.8	1.3	7.25031	0.02262	7.24805	220424908	4050110	79
08/22/2017 02:14:53	16.6755	16.6881	16.6597	734.20001	734.20001	734.20001	12.01261	12.2	11.8	13.50992	13.6	13.4	27.51364	27.59717	27.45863	1.49731	2	1.3	7.33368	0.04526	7.33111	220424908	4050110	79
08/22/2017 02:19:53	16.67586	16.70247	16.63297	734.20001	734.20001	734.20001	11.92704	12.2	11.8	13.59038	13.9	13.5	27.60296	27.68029	27.48633	1.66333	2	1.3	7.41705	0.00586	7.41444	220424908	4050110	79
08/22/2017 02:24:53	16.67708	16.71351	16.65668	734.20001	734.20001	734.20001	11.91011	12.1	11.8	13.75078	14	13.5	27.59154	27.68029	27.45863	1.84066	2.1	1.4	7.50042	0.07866	7.49777	220424908	4050110	79
08/22/2017 02:29:53	16.67591	16.70247	16.65668	734.20001	734.20001	734.20001	11.88657	12.1	11.7	13.70672	13.9	13.5	27.59112	27.68029	27.48633	1.82015	2.1	1.6	7.5838	0.0393	7.58111	220424908	4050110	79
08/22/2017 02:34:53	16.67588	16.69143	16.65668	734.24353	734.29998	734.20001	11.90002	12.1	11.8	13.72713	13.9	13.6	27.59842	27.68029	27.48633	1.8271	2.1	1.6	7.66718	0.08457	7.66444	220424908	4050110	79
08/22/2017 02:39:53	16.67667	16.69999	16.65255	734.29998	734.29998	734.29998	11.91338	12.2	11.7	13.70738	13.9	13.5	27.60108	27.68029	27.51404	1.794	2.2	1.6	7.75056	0.00587	7.74777	220424908	4050110	79
08/22/2017 02:44:53	16.67637	16.69999	16.6542	734.29998	734.29998	734.29998	11.88992	12.1	11.7	13.78267	14.1	13.6	27.56706	27.65258	27.48633	1.89275	2.1	1.6	7.83394	0.0393	7.83138	220424908	4050110	79
08/22/2017 02:49:53	16.67637	16.69999	16.6542	734.29998	734.29998	734.29998	11.88992	12.1	11.7	13.78267	14.1	13.6	27.56706	27.65258	27.48633	1.89275	2.1	1.6	7.91732	0.07866	7.91444	220424908	4050110	79
08/22/2017 02:54:53	16.67635	16.703	16.65889	734.29998	734.29998	734.29998	11.92019	12.2	11.7	13.69192	13.9	13.6	27.54341	27.65258	27.45863	1.77172	2.1	1.5	8.0007	0.00587	7.99777	220424908	4050110	79
08/22/2017 02:59:53	16.67659	16.69833	16.6542	734.29998	734.29998	734.29998	11.88875	12.1	11.7	13.73091	14	13.6	27.65075	27.73571	27.56946	1.84216	2.2	1.5	8.08407	0.06782	8.08138	220424908	4050110	79
08/22/2017 03:04:53	16.67686	16.69999	16.6542	734.29998	734.29998	734.29998	11.91876	12.1	11.8	13.78067	13.9	13.5	27.6542	27.73571	27.56946	1.8619	2.1	1.4	8.16745	0.07875	8.16472	220424908	4050110	79
08/22/2017 03:09:53	16.67686	16.69999	16.6542	734.29998	734.29998	734.29998	11.91876	12.1	11.8	13.78067	13.9	13.5	27.6542	27.73571	27.56946	1.8619	2.3	1.6	8.25086	0.07874	8.24805	220424908	4050110	79
08/22/2017 03:14:53	16.67596	16.70164	16.64317	734.34149	734.39996	734.29998	11.86703	12.1	11.7	13.85925	14.1	13.7	27.62518	27.708	27.45863	1.99222	2.3	1.6	8.33427	0.00588	8.33111	220424908	4050110	79
08/22/2017 03:19:53	16.6751	16.69751	16.6407	734.39996	734.39996	734.39996	11.93388	12.1	11.7	13.78704	14	13.6	27.57596	27.68029	27.51404	1.85316	2.19999	1.5	8.4177	0.06785	8.41472	220424908	4050110	79
08/22/2017 03:24:53	16.67486	16.70386	16.64539	734.39996	734.39996	734.39996	11.93442	12.2	11.7	13.73713	14	13.6	27.5628	27.65258	27.45863	1.8027	2.1	1.5	8.50112	0.06194	8.49805	220424908	4050110	79
08/22/2017 03:29:53	16.67486	16.70386	16.64539	734.39996	734.39996	734.39996	11.93442	12.2	11.7	13.73713	14	13.6	27.5628	27.65258	27.45863	1.8027	2.1	1.5	8.58454	0.02264	8.58111	220424908	4050110	79
08/22/2017 03:34:53	16.67498	16.7027	16.65641	734.4403	734.5	734.39996	11.92421	12.2	11.7	13.60289	13.9	13.4	27.53234	27.73571	27.45863	1.67868	2	1.39999	8.66799	0.01668	8.66444	220424908	4050110	79
08/22/2017 03:39:53	16.67549	16.70052	16.65641	734.39996	734.39996	734.39996	11.93703	12.1	11.8	13.6334	13.9	13.5	27.66211	27.76341	27.54175	1.69636	2	1.4	8.75143	0.03931	8.74805	220424908	4050110	79
08/22/2017 03:44:53	16.6745	16.69751	16.6611	734.41223	734.5	734.39996	11.87712	12.1	11.7	13.55626	13.9	13.4	27.62333	27.68029	27.54175	1.67914	2	1.3	8.83487	0.0138	8.83138	220424908	4050110	79
08/22/2017 03:49:53	16.6745	16.69751	16.6611	734.41223	734.5	734.39996	11.87712	12.1	11.7	13.55626	13.9	13.4	27.62333	27.68029	27.54175	1.67914	2	1.3	8.91829	0	8.91444	220424908	4050110	79
08/22/2017 03:54:53	16.67572	16.69168	16.65008	734.44537	734.5	734.39996	11.84638	12.1	11.7	13.57761	13.7	13.4	27.59235	27.65258	27.54175	1.73122	1.9	1.4	9.00172	0.00883	8.99777	220424908	4050110	79
08/22/2017 03:59:53	16.67462	16.69751	16.65641	734.41815	734.5	734.39996	11.85401	12.1	11.7	13.66793	14	13.5	27.56389	27.68029	27.43092	1.81391	2.2	1.5	9.08516	0.07865	9.08111	220424908	4050110	79
08/22/2017 04:04:53	16.67631	16.69585	16.65173	734.39996	734.39996	734.39996	11.86072	12.1	11.7	13.59914	13.7	13.5	27.65584	27.76341	27.54175	1.73841	2	1.5	9.16858	0.03933	9.16444	220424908	4050110	79
08/22/2017 04:09:53	16.67498	16.69751	16.6407	734.39996	734.39996	734.39996	11.85021	12.1	11.7	13.73523	14	13.5	27.73094	27.84654	27.62487	1.88501	2.19999	1.6	9.25199	0	9.24805	220424908	4050110	79
08/22/2017 04:14:53	16.67498	16.69751	16.6407	734.39996	734.39996	734.39996	11.85021	12.1	11.7	13.73523	14	13.5	27.73094	27.84654	27.62487	1.88501	2.19999	1.6	9.33542	0.00583	9.33111	220424908	4050110	79
08/22/2017 04:19:53	16.67464	16.71021	16.65173	734.39996	734.39996	734.39996	11.86002	12.1	11.7	13.90263	14.1	13.7	27.73441	27.81883	27.59717	2.04261	2.5	1.9	9.41885	0.06198	9.41472	220424908	4050110	79
08/22/2017 04:24:53	16.67627	16.69916	16.65336	734.39996	734.39996	734.39996	11.83359	12.1	11.7	14.02603	14.3	13.7	27.67216	27.76341	27.56946	2.19244	2.5	1.9	9.50227	0.0561	9.49777	220424908	4050110	79
08/22/2017 04:29:53	16.67502	16.69751	16.65336	734.39996	734.39996	734.39996	11.89126	12.1	11.7	13.93562	14.2	13.7	27.73546	27.81883	27.62487	2.04436	2.19999	1.6	9.58569	0.03931	9.58138	220424908	4050110	79
08/22/2017 04:34:53	16.67488	16.70386	16.6407	734.39996	734.39996	734.39996	11.89621	12.1	11.7	13.8015	14.1	13.6	27.74034	27.84654	27.62487	1.90529	2.19999	1.6	9.66913	0	9.66444	220424908	4050110	79
08/22/2017 04:39:53	16.67523	16.69585	16.65008	734.39996	734.39996	734.39996	11.92037	12.1	11.7	13.60621	13.7	13.5	27.78289	27.84654	27.68029	1.68584	2	1.4	9.75256	0.08456	9.74777	220424908	4050110	79
08/22/2017 04:44:53	16.67505	16.68949	16.65475	734.39996	734.39996	734.39996	11.87713	12.1	11.7	13.50225	13.7	13.3	27.79332	27.84654	27.73571	1.62511	1.9	1.3	9.83599	0.07851	9.83111	220424908	4050110	79
08/22/2017 04:49:53	16.67532	16.70984	16.65475	734.39996	734.39996	734.39996	11.8395	12.1	11.7	13.28633	13.5	13.1	27.78566	27.84654	27.708	1.44682	1.69999	1	9.9194	0.05583	9.91444	220424908	4050110	79
08/22/2017 04:54:53	16.67589	16.70348	16.65138	734.39996	734.39996	734.39996	11.8428	12.1	11.6	13.11496	13.4	13	27.80251	27.87424	27.73571	1.27215	1.5	1.1	10.00282	0.02267	9.99777	220424908	4050110	79
08/22/2017 04:59:53	16.67675	16.69883	16.65773	734.39996	734.39996	734.39996	11.80276	12.1	11.6	13.10756	13.4	13	27.79827	27.84654	27.68029	1.3048	1.69999	0.9	10.0862	0.07846	10.08111	220424908	4050110	79
08/22/2017 05:04:53	16.67599	16.70176	16.66238	734.40905	734.5	734.39996	11.71928	11.9	11.6	13.04954	13.1	12.9	27.81353	27.87424	27.76341	1.33026	1.5	1.1	10.1696	0.0304	10.16472	220424908	4050110	79
08/22/2017 05:09:53	16.67465	16.69927	16.65819	734.49292	734.5	734.39996	11.69887	11.9	11.5	13.0251	13.3	12.8	27.8081	27.90195	27.73571	1.32623	1.59999	0.89999	10.25303	0.05578	10.24805	220424908	4050110	79
08/22/2017 05:14:53	16.67465	16.69927	16.65819	734.49292	734.5	734.39996	11.69887	11.9	11.5	13.0251	13.3	12.8	27.8081	27.90195	27.73571	1.32623	1.59999	0.89999	10.33645	0.01652	10.33111	220424908	4050110	79
08/22/2017 05:19:53	16.67454	16.71028	16.65355	734.5	734.5	734.5	11.66207	11.8	11.5	13.01391	13.4	12.8	27.82475	27.95737	27.73571	1.35184	1.6	1	10.41988	0	10.41444	220424908	4050110	79
08/22/2017 05:24:53	16.67453	16.70099	16.65819	734.4909	734.5	734.39996	11.64954	11.8	11.5	13.01732	13.3	12.8	27.83456	27.95737	27.73571	1.36778	1.6	1.19999	10.50332	0.08455	10.49777	220424908	4050110	79
08/22/2017 05:29:53	16.67676	16.69634	16.64425	734.5	734.5	734.5	11.55514	11.7	11.3	13.21387	13.4	13.1	27.85911	27.95737	27.76341	1.65873	2.1	1.39999	10.58672	0.03924	10.58138	220424908	4050110	79
08/22/2017 05:34:53	16.67676	16.69634	16.64425	734.5	734.5	734.5	11.55514	11.7	11.3	13.21387	13.4	13.1	27.85911	27.95737	27.76341	1.65873	2.1	1.39999	10.67014	0.0559	10.66444	220424908	4050110	79
08/22/2017 05:39:53	16.67582	16.69168	16.65526	734.5	734.5	734.5	11.60579	11.7	11.3	13.34277	13.5	13.1	27.91604	28.01279	27.76341	1.73697	2.1	1.39999	10.75355	0.03926	10.74777	220424908	4050110	79

08/22/2017 05:44:53	16.67579	16.69634	16.6379	734.5	734.5	734.5	11.54594	11.7	11.3	13.31397	13.5	13	27.8477	27.92966	27.76341	1.76802	2.1	1.3	10.83694	0.06189	10.83138	220424908	4050110	79
08/22/2017 05:49:53	16.67579	16.69634	16.6379	734.5	734.5	734.5	11.54594	11.7	11.3	13.31397	13.5	13	27.8477	27.92966	27.76341	1.76802	2.1	1.3	10.92034	0.06187	10.91444	220424908	4050110	79
08/22/2017 05:54:53	16.67501	16.69927	16.65355	734.5	734.5	734.5	11.54127	11.7	11.3	13.0168	13.1	12.8	27.84544	27.95737	27.76341	1.47553	1.8	1.09999	11.00377	0.06187	10.99805	220424908	4050110	79
08/22/2017 05:59:53	16.67501	16.69927	16.65355	734.5	734.5	734.5	11.54127	11.7	11.3	13.0168	13.1	12.8	27.84544	27.95737	27.76341	1.47553	1.8	1.09999	11.08722	0.02268	11.08111	220424908	4050110	79
08/22/2017 06:04:53	16.67304	16.70391	16.65355	734.5	734.5	734.5	11.55265	11.7	11.3	12.9731	13.1	12.8	27.87435	28.01279	27.79112	1.42045	1.8	1.09999	11.17064	0.00616	11.16444	220424908	4050110	79
08/22/2017 06:09:53	16.6735	16.69291	16.65355	734.5	734.5	734.5	11.46541	11.7	11.2	12.93609	13.1	12.8	27.9629	28.09591	27.84654	1.47067	1.8	1.09999	11.25406	0.04537	11.24805	220424908	4050110	79
08/22/2017 06:14:53	16.6735	16.69291	16.65355	734.5	734.5	734.5	11.46541	11.7	11.2	12.93609	13.1	12.8	27.9629	28.09591	27.84654	1.47067	1.8	1.09999	11.33748	0.03919	11.33111	220424908	4050110	79
08/22/2017 06:19:53	16.67582	16.69679	16.65571	734.57574	734.59997	734.5	11.47631	11.7	11.2	12.95755	13.1	12.7	27.96244	28.0682	27.87424	1.48124	1.8	1.1	11.4209	0.03303	11.41444	220424908	4050110	79
08/22/2017 06:24:53	16.67547	16.70704	16.65324	734.70001	734.70001	734.70001	11.41358	11.6	11.2	12.98704	13.3	12.8	27.83946	27.95737	27.76341	1.57345	2	1.19999	11.50431	0.00618	11.49805	220424908	4050110	79
08/22/2017 06:29:53	16.67536	16.69895	16.65324	734.70715	734.79998	734.70001	11.4281	11.7	11.2	12.96612	13.1	12.8	27.83946	27.95737	27.76341	1.57345	1.8	1.19999	11.58773	0.02268	11.58138	220424908	4050110	79
08/22/2017 06:34:53	16.67536	16.69895	16.65324	734.70715	734.79998	734.70001	11.4281	11.7	11.2	12.96612	13.1	12.8	27.8528	27.95737	27.76341	1.53802	1.8	1.19999	11.6711	0.06188	11.66444	220424908	4050110	79
08/22/2017 06:39:53	16.67428	16.70284	16.65077	734.81408	734.89996	734.79998	11.34864	11.7	11.2	13	13.1	12.8	27.84981	27.98508	27.76341	1.65135	1.8	1.19999	11.75447	0.06189	11.74777	220424908	4050110	79
08/22/2017 06:44:53	16.67598	16.71093	16.661	734.84143	734.89996	734.79998	11.42916	11.6	11.2	13.11971	13.4	13	27.93528	28.01279	27.84654	1.69055	2.1	1.4	11.83785	0.02878	11.83138	220424908	4050110	79
08/22/2017 06:49:53	16.6755	16.69743	16.65636	734.89996	734.89996	734.89996	11.50139	11.7	11.2	13.21105	13.4	13	27.87199	27.98508	27.76341	1.70966	2.1	1.39999	11.92122	0.06189	11.91472	220424908	4050110	79
08/22/2017 06:54:53	16.6755	16.69743	16.65636	734.89996	734.89996	734.89996	11.50139	11.7	11.2	13.21105	13.4	13	27.87199	27.98508	27.76341	1.70966	2.2	1.39999	12.00465	0.06797	11.99805	220424908	4050110	79
08/22/2017 06:59:53	16.67593	16.71481	16.64536	734.906	735	734.89996	11.56369	11.7	11.2	13.31661	13.5	13.1	27.84919	27.95737	27.73571	1.75293	2.2	1.39999	12.08808	0	12.08111	220424908	4050110	79
08/22/2017 07:04:53	16.67586	16.6996	16.65974	734.97979	735.09997	734.89996	11.64952	11.8	11.3	13.41251	13.6	13.3	27.81791	27.87424	27.708	1.76299	2	1.59999	12.1715	0.10113	12.16444	220424908	4050110	79
08/22/2017 07:09:53	16.67537	16.70131	16.65946	735.08581	735.09997	735	11.71303	11.9	11.6	13.50334	13.7	13.3	27.79203	27.87424	27.708	1.7903	2.1	1.5	12.25491	0.01666	12.24777	220424908	4050110	79
08/22/2017 07:14:53	16.67558	16.70053	16.65232	735.1535	735.20001	735.09997	11.78697	12.1	11.7	13.57446	13.7	13.4	27.79137	27.87424	27.73571	1.78748	2	1.5	12.33832	0	12.33111	220424908	4050110	79
08/22/2017 07:19:53	16.67499	16.69805	16.64737	735.2597	735.39996	735.09997	11.85045	12.1	11.7	13.6569	13.9	13.5	27.74918	27.84654	27.62487	1.80645	2	1.6	12.42175	0	12.41444	220424908	4050110	79
08/22/2017 07:24:53	16.67363	16.70112	16.64657	735.4566	735.5	735.39996	12.00378	12.2	11.9	13.82648	14.1	13.6	27.66261	27.79112	27.56946	1.8227	2.1	1.5	12.50516	0	12.49805	220424908	4050110	79
08/22/2017 07:29:53	16.67363	16.70112	16.64657	735.4566	735.5	735.39996	12.00378	12.2	11.9	13.82648	14.1	13.6	27.66261	27.79112	27.56946	1.8227	2.19999	1.6	12.58858	0.01669	12.58138	220424908	4050110	79
08/22/2017 07:34:53	16.6749	16.70499	16.64574	735.55151	735.59997	735.5	12.1244	12.3	11.9	13.98387	14.1	13.7	27.65399	27.708	27.56946	1.85947	2.19999	1.6	12.67198	0.07861	12.66444	220424908	4050110	79
08/22/2017 07:39:53	16.67608	16.70003	16.65593	735.66253	735.70001	735.59997	12.23942	12.4	11.9	14.0569	14.2	13.9	27.619	27.708	27.51404	1.81748	2	1.6	12.75536	0.02258	12.74777	220424908	4050110	79
08/22/2017 07:44:53	16.67524	16.71685	16.64738	735.60913	735.70001	735.59997	12.35064	12.5	12.1	14.1168	14.5	13.9	27.63194	27.68029	27.54175	1.76615	2	1.19999	12.8388	0.06187	12.83138	220424908	4050110	79
08/22/2017 07:49:53	16.67616	16.69369	16.65264	735.69799	735.70001	735.59997	12.46322	12.7	12.2	13.99787	14.3	13.7	27.59246	27.708	27.48633	1.53465	2	1.19999	12.92223	0.04519	12.91444	220424908	4050110	79
08/22/2017 07:54:53	16.67561	16.70003	16.65264	735.70001	735.70001	735.70001	12.50675	12.7	12.3	13.89331	14.1	13.7	27.59186	27.68029	27.45863	1.38655	1.8	1	13.00565	0.00584	12.99777	220424908	4050110	79
08/22/2017 07:59:53	16.67628	16.70471	16.65264	735.70001	735.70001	735.70001	12.58867	12.8	12.3	14.00895	14.3	13.7	27.53987	27.65258	27.45863	1.42028	1.8	1	13.08909	0	13.08111	220424908	4050110	79
08/22/2017 08:04:53	16.67611	16.70333	16.64653	735.70001	735.70001	735.70001	12.66358	12.9	12.5	14.43716	14.6	14.2	27.47844	27.62487	27.34779	1.77357	2.1	1.5	13.17254	0.02814	13.16444	220424908	4050110	79
08/22/2017 08:09:53	16.67639	16.70342	16.64498	735.70001	735.70001	735.70001	12.80511	13	12.5	14.83412	15.19999	14.5	27.37815	27.48633	27.29238	2.029	2.3	1.69999	13.25599	0.03946	13.24777	220424908	4050110	79
08/22/2017 08:14:53	16.67643	16.69603	16.65344	735.73333	735.79998	735.70001	13.25488	13.4	13	15.66768	16	15.4	27.3393	27.40321	27.20925	2.4128	2.69999	2.09999	13.33944	0.04494	13.33138	220424908	4050110	79
08/22/2017 08:19:53	16.67643	16.69603	16.65344	735.73333	735.79998	735.70001	13.25488	13.4	13	15.66768	16	15.4	27.3393	27.40321	27.20925	2.4128	2.69999	2.09999	13.42287	0.02243	13.41444	220424908	4050110	79
08/22/2017 08:24:53	16.67538	16.6922	16.65495	735.70605	735.79998	735.70001	13.79002	14	13.6	15.76935	16	15.5	27.3519	27.43092	27.29238	1.97933	2.4	1.69999	13.5063	0.00881	13.49805	220424908	4050110	79
08/22/2017 08:29:53	16.67538	16.6922	16.65495	735.70605	735.79998	735.70001	13.79002	14	13.6	15.76935	16	15.5	27.3519	27.43092	27.29238	1.97933	2.4	1.69999	13.58973	0.05146	13.58111	220424908	4050110	79
08/22/2017 08:34:53	16.67446	16.69519	16.65016	735.71716	735.79998	735.70001	14.05365	14.3	13.9	15.94378	16.3	15.69999	27.30638	27.40321	27.18155	1.89013	2.1	1.59999	13.67318	0.0224	13.66444	220424908	4050110	79
08/22/2017 08:39:53	16.67568	16.6937	16.6493	735.70001	735.70001	735.70001	14.60009	14.8	14.3	16.34855	16.5	16	27.21534	27.26467	27.15384	1.74846	2.19999	1.4	13.7566	0.01721	13.74805	220424908	4050110	79
08/22/2017 08:44:53	16.67568	16.6937	16.6493	735.70001	735.70001	735.70001	14.60009	14.8	14.3	16.34855	16.5	16	27.21534	27.26467	27.15384	1.74846	1.9	1.3	13.84002	0.05687	13.83111	220424908	4050110	79
08/22/2017 08:49:53	16.6758	16.69183	16.6493	735.70001	735.70001	735.70001	14.80045	15.2	14.6	16.44378	16.6	16.1	27.21214	27.26467	27.15384	1.64333	1.9	1.3	13.92347	0.06203	13.91444	220424908	4050110	79
08/22/2017 08:54:53	16.67509	16.7006	16.6595	735.63537	735.70001	735.59997	15.05358	15.3	14.8	16.50953	16.69999	16.3	27.21212	27.26467	27.15384	1.45595	1.8	1.09999	14.00692	0.03975	13.99777	220424908	4050110	79
08/22/2017 08:59:53	16.67474	16.69718	16.65609	735.56256	735.59997	735.5	15.32709	15.5	15.1	17.13714	17.3	16.69999	27.18002	27.26467	27.07071	1.81005	1.99999	1.49999	14.09035	0.01736	14.08111	220424908	4050110	79
08/22/2017 09:04:53	16.67544	16.69966	16.64743	735.5	735.5	735.5	15.64021	15.9	15.3	17.06997	17.3	16.69999	27.19761	27.26467	27.09842	1.42976	1.69999	1.09999	14.17379	0.03977	14.16444	220424908	4050110	79
08/22/2017 09:09:53	16.67451	16.69759	16.64534	735.5	735.5	735.5	15.86705	16	15.7	17.20506	17.5	16.9	27.14271	27.26467	27.0153	1.33801	1.69999	1.09999	14.25723	0.05724	14.24777	220424908	4050110	79
08/22/2017 09:14:53	16.67502	16.6962	16.65159	735.5	735.5	735.5	16.05966	16.3	15.9	17.31927	17.6	17.1	27.08133	27.20925	26.95988	1.25961	1.6	0.89999	14.34064	0	14.33111	220424908	4050110	79
08/22/2017 09:19:53	16.67554	16.69918	16.65049	735.59997	735.59997	735.59997	16.61059	16.9	16.4	17.91278	18.4	17.5	27.03757	27.12613	26.90447	1.30218	1.69999	0.8	14.42406	0.04932	14.41472	220424908	4050110	79
08/22/2017 09:24:53	16.67553	16.69918	16.64705	735.61212	735.70001	735.59997	16.89095	17.1	16.6	17.91278	18.4	17.5	27.03757	27.12613	26.90447	1.30218	1.8	0.9	14.50749	0.07983	14.49805	220424908	4050110	79
08/22/2017 09:29:53	16.67553	16.69918	16.64705	735.61212	735.70001	735.59997	16.89095	17.1	16.6	18.19936	18.69999	17.8	26.94156	27.09842	26.79363	1.30841	1.8	0.9	14.59092	0	14.58111	220424908	4050110	79
08/22/2017 09:34:53	16.67424	16.70064	16.65952	735.67877	735.70001	735.59997	17.14412	17.3	17	18.37186	18.69999	18.1	26.85681	26.98759	26.73822	1.22773	1.49999	0.89999	14.67437	0.0844	14.66472	220424908	4050110	79
08/22/2017 09:39:53	16.67607	16.68944	16.65583	735.70306	735.79998	735.70001	17.36278	17.7	17.2	18.52173	18.8	18.19999	26.80733	26.98759	26.71051	1.15894	1.19999	0.8	14.7578	0.02222	14.74777	220424908	4050110	79
08/22/2017 09:44:53	16.67538	16.69567	16.65959	735.70306	735.79998	735.70001	17.69055	17.9	17.6	18.76632	18.9	18.69999	26.78131	26.90447	26.6828	1.07577	1.19999	0.8	14.84123	0.04002	14.83111	220424908	4050110	79
08/22/2017 09:49:53	16.6748	16.69695	16.65583	735.75055	735.79998	735.70001	17.93012	18.2	17.7	19.12005	19.5	18.69999	26.76191	26.84905	26.65509	1.18992	1.6	0.8	14.92465	0.04001	14.91444	220424908	4050110	79
08/22/2017 09:54:53	16.67571	16.69196	16.65827	735.79998	735.79998	735.79998	18.44625	18.7	18.3	19.44373	19.6	19.1	26.68087	26.79363	26.48885	0.99747	1.3	0.69999	15.00807	0	14.99805	220424908	4050110	79
08/22/2017 09:59:53	16.67571	16.69196	16.65827	735.79998	735.79998	735.79998	18.44625	18.7	18.3	19.44373	19.6	19.1	26.68087	26.79363	26.48885	0.99747	1.3	0.69999	15.0915	0	15.08111	220424908	4050110	79
08/22/2017 10:04:53	16.67471	16.69317	16.65827	735.79998	735.79998	735.79998	18.71114	18.9	18.5	19.7028	20.1	19.4	26.66703	26.76592	26.59968	0.99166	1.5	0.69999	15.17495	0.08438	15.16444	220424908	4050110	79
08/22/2017 10:09:53	16.67362	16.69538	16.64919	735.8919	735.89996	735.79998	19.25147	19.5	18.9	20.51478	20.8	20.19999	26.37199	26.54426	26.23948	1.2633	1.5	0.99999	15.25837	0.04418	15.24805	220424908	4050110	79
08/22/2017 10:14:53	16.67362	16.69538	16.64919	735.8919	735.89996	735.79998	19.25147	19.5	18.9	20.51478	20.8	20.19999	26.37199	26.54426	26.23948	1.2633	1.5	0.99999	15.34179	0.03092	15.33111	220424908	4050110	79
08/22/2017 10:19:53	16.67486	16.69032	16.65798	735.92321	736	735.89996	19.53736	19.7	19.3	20.54374	20.8	20.3	26.37233	26.57197	26.21177	1.00639	1.3	0.69999	15.42522	0.0402	15.41444	220424908	4050110	79
08/22/2017 10:24:53	16.67482	16.69652	16.66022	735.9414	736	735.89996	19.85723	20	19.7	20.70402	20.9	20.5	26.25769	26.37801	26.15635	0.84678	1.09999	0.6	15.50866	0.00382	15.49777	220424908	4050110	79
08/22/2017 10:29:53	16.6753	16.69948	16.64908	736	736	736	20.3338	20.6	20.2	21.59647	22	21.1	26.16312	26.29489	25.96239	1.26267	1.69999	0.8	15.59211	0.05866	15.58138	220424908	4050110	79
08/22/2017 10:34:53	16.6753	16.69948	16.64908	736	736	736	20.3338	20.6	20.2	21.59647	22	21.1	26.16312	26.29489	25.96239	1.26267	1.69999	0.8	15.67555	0.01835	15.66444	220424908	4050110	79
08/22/2017 10:39:53	16.67463	16.69434	16.64908	736	736	736	20.70005	20.8	20.5	21.84494	22.1	21.4	26.22516	26.43343	26.12864	1.14488	1.3	0.5	15.759	0.04042	15.74777	220424908	4050110	79
08/22/2017 10:44:53	16.67529	16.70566	16.66039	736	736	736	21.01989	21.2	20.8	21.96728	22.5	21.4	26.26128	26.37801	26.15635	0.94739	1.3	0.5	15.84239	0.00346	15.83111	220424908	4050110	79
08/22/2017 10:49:53	16.67609	16.7126	16.64684	736.00506	736.09997	736	21.66973	21.9	21.4	22.8167	23.19999	22.5	26.22284	26.3226	26.15635	1.14697	1.49999	0.8	15.92583	0.08101	15.91472	220424908	4050110	79
08/22/2017 10:54:53	16.67609	16.7126	16.64684	736.00506	736.09997	736	21.66973	21.9	21.4	22.8167	23.19999	22.5	26.22284	26.3226	26.15635	1.14697	1.49999	0.8	16.00928	0.04054	15.99777	220424908	4050110	79
08/22/2017 10:59:53	16.67498	16.69601	16.64871	736	736	736	21.97919	22.3	21.8	23.09634	23.5	22.6	26.30221	26.43343	26.18406	1.11715	1.5	0.6	16.0927	0.05915	16.08111	220424908	4050110	79
08/22/2017 11:04:53	16.67548	16.70306	16.65575	735.9718	736	735.89996	22.73695	23	22.5	23.52215	23.9	23.19999	26.37594	26.46114	26.23948	0.7852	1.19999	0.3	16.17614	0.02188	16.16472	220424908	4050110	79
08/22/2017 11:09:53	16.67651	16.69956	16.65226	735.95636	736	735.89996	23.0769	23.2	22.9	23.66808	24.3	23	26.38212	26.48885	26.26719	0.59118	1.3	0	16.25955	0.02185	16.24805	220424908	4050110	79
08/22/2017 11:14:53	16.67651	16.69956	16.65226	735.95636	736	735.89996	23.0769	23.2	22.9	23.66808	24.3	23	26.38212	26.48885	26.26719	0.59118	1.3	0	16.34296	0.05955	16.33111	220424908	4050110	79
08/22/2017 11:19:53	16.67594	16.70818	16.64946	736	736	736	23.65034	23.8	23.3	24.67542	25	24.3	26.29927	26.43343	26.15635	1.02508	1.5	0.59999	16.42629	0.03774	16.41472	220424908	4050110	79
08/22/2017 11:24:53	16.67594	16.70818	16.64946	736	736	736	23.65034	23.8	23.3	24.67542	25	24.3	26.29927	26.43343	26.15635	1.02508	1.5	0.59999	16.50949	0.02177	16.49777	220424908	4050110	79
08/22/2017 11:29:53	16.6764	16.69064	16.65635	736	736	736	23.90941	24.2	23.8	24.72756	25	24.4	26.3464	26.43343	26.21177	0.81815	1	0.5	16.5927	0	16.58111	220424908	4050110	79
08/22/2017 11:34:53	16.67594	16.69983	16.65327	736.00402	736.09997	736	24.27316	24.4	24.1	25.2538	25.6	24.8	26.30195	26.43343	26.18406	0.98063	1.19999	0.4	16.67591	0.00252	16.66472	220424908	4050110	79
08/22/2017 11:39:53	16.67531	16.70345	16.65616	736.08282	736.09997	736	24.50642	24.9	24.3	25.35528	25.9	25	26.31815	26.43343	26.21177	0.84886	1.19999	0.4	16.75911	0.01914	16.74777	220424908	4050110	79
08/22/2017 11:44:53	16.6752	16.70489	16.6508	736.09997	736.09997	736.09997	24.82348	25.1	24.7	25.64862	26.1	25.4	26.32046	26.46114	26.12864	0.82514	1.4	0.5	16.84232	0.08427	16.83111	220424908	4050110	79
08/22/2017 11:49:53	16.67515	16.71028	16.65151	736.09997	736.09997	736.09997	25.10399	25.3	24.9	26.09559	26.5	25.6	26.27611	26.37801	26.12864	0.9916	1.4	0.59999	16.92552	0.02167	16.91444	220424908	4050110	79
08/22/2017 11:54:53	16.6741	16.6941	16.65898	736.09997	736.09997	736.09997	25.65265	25.9	25.4	26.14227	26.3	25.9	26.29384	26.43343	26.18406	0.48961	0.9	0.1	17.00872	0.02167	16.99805	220424908	4050110	79
08/22/2017 11:59:53	16.6741	16.6941	16.65898	736.09997	736.09997	736.09997	25.65265	25.9	25.4	26.14227	26.3	25.9	26.29384	26.43343	26.18406	0.48961	0.9	0.1	17.09193	0.03875	17.08111	220424908	4050110	79
08/22/2017 12:04:53	16.67508	16.6967	16.64815	736.09893	736.09997	736	25.94058	26.2	25.6	26.61441	27.1	26.3	26.29201	26.37801	26.21177	0.67382	1.09999	0.19999	17.17513	0.00881	17.16444	220424908	4050110	79
08/22/2017 12:09:53	16.67551	16.69855	16.64039	736.02649	736.09997	735.89996	26.49062	26.8	26.2	26.93826	27.3	26.3	26.30922	26.46114	26.21177	0.46103	0.89999	0	17.25833	0.03042	17.24805	220424908	4050110	79
08/22/2017 12:14:53	16.67551	16.69855	16.64039	736.02649	736.09997	735.89996	26.49062	26.8	26.2	26.93826	27.3	26.3	26.30922	26.46114	26.21177	0.46103	0.89999	0	17.34154	0.01951	17.33111	220424908	4050110	79
08/22/2017 12:19:53	16.67549	16.69731	16.64942	735.98986	736.20001	735.89996	26.68995	26.9	26.5	27.1083	27.5	26.69999	26.29119	26.40572	26.21177	0.41835	0.8	0	17.42474	0.0411	17.41444	220424908	4050110	79
08/22/2017 12:24:53	16.67548	16.6962	16.65067	735.87481	736	735.79998	26.93953	27.2	26.8	27.31978	27.69999	26.8	26.30119	26.37801	26.23948	0.42055	0.89999	0	17.50795	0.04115	17.49777	220424908	4050110	79
08/22/2017 12:29:53	16.67647	16.70043	16.65229	735.80133	735.89996	735.70001	27.46274	27.8	27.3	27.85999	28.3	27.5	26.29015	26.3503	26.23948	0.39725	0.8	0	17.59115	0.00881	17.58138	220424908	4050110	79
08/22/2017 12:34:53	16.67647	16.70043	16.65229	735.80133	735.89996	735.70001	27.46274	27.8	27.3	27.85999	28.3	27.5	26.29015	26.3503	26.23948	0.39725	0.8	0	17.67437	0.01272	17.66444	220424908	4050110	79

08/22/2017 12:39:53	16.67545	16.70346	16.65423	735.75537	735.89996	735.70001	27.77414	27.9	27.5	27.8929	28.3	27.4	26.29082	26.37801	26.21177	0.21277	0.8	0	17.75757	0.04126	17.74777	220424908	4050110	79
08/22/2017 12:44:53	16.67558	16.69593	16.6522	735.64764	735.70001	735.59997	28.19999	28.4	28	28.36679	28.6	28	26.30512	26.40572	26.21177	0.19364	0.5	0	17.84077	0.06815	17.83138	220424908	4050110	79
08/22/2017 12:49:53	16.6754	16.69038	16.64404	735.61608	735.70001	735.59997	28.40662	28.6	28.1	28.56391	29.1	28.3	26.3009	26.37801	26.21177	0.18409	0.7	0	17.92398	0.0215	17.91472	220424908	4050110	79
08/22/2017 12:54:53	16.6754	16.69038	16.64404	735.61608	735.70001	735.59997	28.40662	28.6	28.1	28.56391	29.1	28.3	26.3009	26.37801	26.21177	0.18409	0.7	0	18.00719	0	17.99777	220424908	4050110	79
08/22/2017 12:59:53	16.67454	16.69689	16.65315	735.60907	735.70001	735.59997	28.82577	29.1	28.6	29.03998	29.3	28.6	26.28382	26.37801	26.15635	0.30147	0.69999	0	18.09039	0.00158	18.08138	220424908	4050110	79
08/22/2017 13:04:53	16.67454	16.69689	16.65315	735.60907	735.70001	735.59997	28.82577	29.1	28.6	29.03998	29.3	28.6	26.28382	26.37801	26.15635	0.30147	0.69999	0	18.17361	0.09409	18.16444	220424908	4050110	79
08/22/2017 13:09:53	16.67638	16.70711	16.65562	735.58288	735.70001	735.5	29.0097	29.3	28.7	29.05036	29.9	28.6	26.29761	26.37801	26.18406	0.21527	0.9	0	18.25684	0.10426	18.24777	220424908	4050110	79
08/22/2017 13:14:53	16.67504	16.71626	16.63617	735.53924	735.59997	735.5	29.20401	29.6	28.9	29.46031	29.9	28.9	26.27556	26.37801	26.15635	0.3436	0.8	0	18.34006	0.06137	18.33111	220424908	4050110	79
08/22/2017 13:19:53	16.67491	16.73078	16.63017	735.51208	735.59997	735.5	29.48546	29.9	29	29.83329	30.8	29.1	26.22548	26.37801	26.07322	0.5384	1.3	0	18.42329	0.0012	18.41444	220424908	4050110	79
08/22/2017 13:24:53	16.6757	16.73078	16.63577	735.505	735.59997	735.5	29.68659	30.19999	29.19999	30.0107	30.4	29.1	26.23126	26.3503	26.12864	0.42479	1.59999	0	18.50652	0.0843	18.49805	220424908	4050110	79
08/22/2017 13:29:53	16.67435	16.7155	16.62065	735.50097	735.59997	735.5	29.86803	30.4	29.5	30.33748	31.4	29.9	26.20106	26.3226	26.12864	0.49632	1.59999	0	18.58975	0.04396	18.58111	220424908	4050110	79
08/22/2017 13:34:53	16.67447	16.7364	16.62445	735.51709	735.59997	735.5	30.0747	30.5	29.5	30.2439	31.4	29.69999	26.19534	26.3503	26.07322	0.39445	1.5	0	18.673	0.01904	18.66472	220424908	4050110	79
08/22/2017 13:39:53	16.67504	16.72553	16.61685	735.56439	735.59997	735.5	30.26395	30.9	29.5	30.41761	31.4	29.6	26.17232	26.29489	26.01781	0.40894	1.5	0	18.75627	0.06294	18.74777	220424908	4050110	79
08/22/2017 13:44:53	16.67391	16.71209	16.63517	735.599	735.59997	735.5	30.63833	31	30.4	30.39389	30.8	30.1	26.12817	26.23948	25.9901	0.31824	0.8	0	18.83949	0.02018	18.83138	220424908	4050110	79
08/22/2017 13:49:53	16.67391	16.71209	16.63517	735.599	735.59997	735.5	30.63833	31	30.4	30.39389	30.8	30.1	26.12817	26.23948	25.9901	0.31824	0.8	0	18.9227	0.05034	18.91444	220424908	4050110	79
08/22/2017 13:54:53	16.67643	16.7155	16.62632	735.50439	735.59997	735.5	30.88286	31.5	30.4	31.03617	31.69999	30.3	26.10951	26.21177	25.93468	0.42123	1	0.09999	19.00594	0.08527	18.99805	220424908	4050110	79
08/22/2017 13:59:53	16.6749	16.7155	16.60899	735.52118	735.59997	735.5	31.02994	31.5	30.5	30.65869	31.4	30.19999	26.13153	26.23948	25.96239	0.49741	1.3	0	19.08917	0.02254	19.08138	220424908	4050110	79
08/22/2017 14:04:53	16.6749	16.7155	16.60899	735.52118	735.59997	735.5	31.02994	31.5	30.5	30.65869	31.4	30.19999	26.13153	26.23948	25.96239	0.49741	1.3	0	19.17241	0.08433	19.16444	220424908	4050110	79
08/22/2017 14:09:53	16.67593	16.73257	16.6323	735.49395	735.59997	735.39996	31.19933	31.5	30.8	30.89239	31.69999	30.1	26.09192	26.21177	25.96239	0.38077	1.1	0	19.25564	0.02135	19.24777	220424908	4050110	79
08/22/2017 14:14:53	16.67563	16.72657	16.62719	735.4768	735.5	735.39996	31.4396	32	31.1	30.88885	31.6	30.3	26.02653	26.12864	25.90698	0.56419	1.3	0.2	19.33886	0.04269	19.33138	220424908	4050110	79
08/22/2017 14:19:53	16.67502	16.71798	16.6416	735.43255	735.5	735.39996	31.52009	32	31	31.21291	31.69999	30.4	25.94398	26.10093	25.82385	0.36089	1	0	19.42209	0.04171	19.41472	220424908	4050110	79
08/22/2017 14:24:53	16.67552	16.70108	16.64185	735.39593	735.5	735.29998	31.62399	31.9	31.4	31.42627	31.9	30.69999	25.95342	26.10093	25.85156	0.29035	0.9	0	19.5053	0.04066	19.49805	220424908	4050110	79
08/22/2017 14:29:53	16.67558	16.70629	16.62369	735.37481	735.39996	735.29998	31.65261	32.09999	31.3	31.20693	31.6	30.8	25.97009	26.07322	25.87927	0.4524	1.1	0	19.58852	0.063	19.58138	220424908	4050110	79
08/22/2017 14:34:53	16.67558	16.70629	16.62369	735.37481	735.39996	735.29998	31.65261	32.09999	31.3	31.20693	31.6	30.8	25.97009	26.07322	25.87927	0.4524	1.1	0	19.67175	0.01949	19.66472	220424908	4050110	79
08/22/2017 14:39:53	16.67459	16.70904	16.60631	735.37579	735.5	735.29998	31.74197	32.3	31.5	31.38251	31.99999	30.9	25.91928	26.01781	25.82385	0.41245	1.1	0	19.75497	0.00098	19.74777	220424908	4050110	79
08/22/2017 14:44:53	16.67583	16.71447	16.63156	735.30505	735.39996	735.29998	31.81535	32.3	31.4	31.29965	31.69999	30.5	25.91449	26.04552	25.82385	0.5157	1.59999	0.09999	19.83819	0.02131	19.83138	220424908	4050110	79
08/22/2017 14:49:53	16.67524	16.72074	16.6438	735.28393	735.29998	735.20001	31.79093	32.3	31.3	31.30406	31.69999	30.8	25.93945	26.07322	25.85156	0.52041	1.2	0	19.92141	0.03476	19.91472	220424908	4050110	79
08/22/2017 14:54:53	16.67508	16.7175	16.62889	735.20806	735.29998	735.20001	31.85202	32.5	31.3	31.25904	31.99999	30.69999	25.95895	26.10093	25.85156	0.61315	1.5	0	20.00464	0.06305	19.99805	220424908	4050110	79
08/22/2017 14:59:53	16.67459	16.75316	16.59956	735.19696	735.29998	735.09997	31.99797	32.5	31.6	31.46487	32.09999	30.69999	25.91172	26.01781	25.82385	0.55324	1.2	0	20.08787	0.063	20.08138	220424908	4050110	79
08/22/2017 15:04:53	16.67417	16.71799	16.6351	735.20098	735.29998	735.20001	31.89291	32.3	31.4	31.53027	32.09999	31.3	25.90236	25.9901	25.82385	0.42835	0.9	0.09999	20.17108	0.02131	20.16472	220424908	4050110	79
08/22/2017 15:09:53	16.67457	16.69981	16.64057	735.17584	735.29998	735.09997	31.85022	32.09999	31.5	31.19048	31.6	30.8	25.92389	26.04552	25.85156	0.65973	1.3	0	20.2543	0.02239	20.24805	220424908	4050110	79
08/22/2017 15:14:53	16.67457	16.69981	16.64057	735.17584	735.29998	735.09997	31.85022	32.09999	31.5	31.19048	31.6	30.8	25.92389	26.04552	25.85156	0.65973	1.6	0.59999	20.33752	0.04395	20.33138	220424908	4050110	79
08/22/2017 15:19:53	16.6756	16.71695	16.62862	735.16681	735.20001	735.09997	31.74401	32.19999	31.3	30.66366	31.4	30.1	25.97019	26.07322	25.87927	1.08705	1.8	0	20.42076	0.11355	20.41472	220424908	4050110	79
08/22/2017 15:24:53	16.6756	16.71695	16.62862	735.16681	735.20001	735.09997	31.74401	32.19999	31.3	30.66366	31.4	30.1	25.97019	26.07322	25.87927	1.08705	1.8	0	20.50397	0.01791	20.49777	220424908	4050110	79
08/22/2017 15:29:52	16.6749	16.71914	16.62805	735.15539	735.20001	735.09997	31.72637	32.3	31.4	30.69527	31.1	30.19999	25.99418	26.15635	25.87927	1.03109	1.9	0.4	20.5872	0.04062	20.58111	220424908	4050110	79
08/22/2017 15:34:53	16.67493	16.7093	16.62423	735.04565	735.20001	735	31.40003	31.69999	31.1	30.36844	30.9	29.9	26.1239	26.23948	25.96239	1.03159	1.5	0.4	20.67041	0.02138	20.66472	220424908	4050110	79
08/22/2017 15:39:53	16.67493	16.7093	16.62423	735.04565	735.20001	735	31.40003	31.69999	31.1	30.36844	30.9	29.9	26.1239	26.23948	25.96239	1.03159	1.2	0.09999	20.75364	0.02029	20.74777	220424908	4050110	79
08/22/2017 15:44:53	16.67507	16.71562	16.64524	734.96673	735	734.89996	31.32348	31.6	30.9	30.96213	31.6	30.4	26.15894	26.23948	26.04552	0.48887	1	0	20.83685	0.02029	20.83138	220424908	4050110	79
08/22/2017 15:49:53	16.67507	16.71562	16.64524	734.96673	735	734.89996	31.32348	31.6	30.9	30.96213	31.6	30.4	26.15894	26.23948	26.04552	0.48887	1	0	20.92006	0.02903	20.91472	220424908	4050110	79
08/22/2017 15:54:53	16.67454	16.701	16.64771	734.93725	735	734.89996	31.19752	31.69999	30.8	30.86486	31.4	30.4	26.18405	26.26719	26.07322	0.37163	1	0	21.00333	0.10564	20.99777	220424908	4050110	79
08/22/2017 15:59:52	16.67457	16.7127	16.63383	734.90503	735	734.89996	31.22578	31.5	30.9	30.92759	31.6	30.4	26.19587	26.23948	26.07322	0.40554	1.1	0	21.08656	0.02252	21.08111	220424908	4050110	79
08/22/2017 16:04:52	16.67502	16.70699	16.64201	734.90307	735	734.79998	31.11459	31.5	30.8	30.79849	31.4	30.3	26.17326	26.26719	26.04552	0.36983	1.1	0	21.16978	0.04051	21.16444	220424908	4050110	79
08/22/2017 16:09:52	16.67542	16.7127	16.63793	734.84973	734.89996	734.79998	31.16085	31.5	30.8	30.82389	31.3	30.3	26.17481	26.23948	26.07322	0.41083	1	0	21.253	0.01938	21.24777	220424908	4050110	79
08/22/2017 16:14:53	16.67514	16.69178	16.64474	734.80505	734.89996	734.79998	31.0657	31.3	30.9	31.28132	31.69999	30.99999	26.1266	26.21177	26.01781	0.24111	0.59999	0	21.3362	0	21.33138	220424908	4050110	79
08/22/2017 16:19:53	16.67508	16.70348	16.64713	734.80804	734.89996	734.79998	31.13395	31.4	30.9	30.73801	31.3	30.3	26.18685	26.23948	26.04552	0.44298	1	0	21.41941	0.02035	21.41472	220424908	4050110	79
08/22/2017 16:24:52	16.67508	16.70348	16.64713	734.80804	734.89996	734.79998	31.13395	31.4	30.9	30.73801	31.3	30.3	26.18685	26.23948	26.04552	0.44298	1	0	21.50262	0.01921	21.49777	220424908	4050110	79
08/22/2017 16:29:52	16.67501	16.69151	16.64421	734.80401	734.89996	734.70001	31.11342	31.3	30.9	30.83608	31.1	30.3	26.19388	26.26719	26.07322	0.30421	1	0	21.58582	0.02032	21.58111	220424908	4050110	79
08/22/2017 16:34:52	16.67543	16.69721	16.6496	734.79998	734.79998	734.79998	31.10936	31.3	30.9	30.78355	30.99999	30.3	26.1921	26.26719	26.12864	0.32581	0.9	0	21.66902	0.02477	21.66444	220424908	4050110	79
08/22/2017 16:39:53	16.67497	16.69969	16.64098	734.75232	734.79998	734.70001	31.04022	31.3	30.9	30.67283	31.1	30.19999	26.20016	26.23948	26.12864	0.36738	0.9	0	21.75224	0.0504	21.74805	220424908	4050110	79
08/22/2017 16:44:53	16.67449	16.70192	16.66094	734.76684	734.79998	734.70001	30.95642	31.1	30.8	30.44078	30.99999	30.1	26.19455	26.26719	26.10093	0.51564	0.8	0	21.83545	0.04036	21.83138	220424908	4050110	79
08/22/2017 16:49:53	16.67449	16.70192	16.66094	734.76684	734.79998	734.70001	30.95642	31.1	30.8	30.44078	30.99999	30.1	26.19455	26.26719	26.10093	0.51564	0.8	0.4	21.91865	0.02137	21.91444	220424908	4050110	79
08/22/2017 16:54:52	16.67535	16.69307	16.65775	734.72418	734.79998	734.70001	30.92354	31.1	30.8	30.34623	30.5	30.19999	26.19211	26.26719	26.12864	0.57731	0.8	0.4	22.00185	0.02015	21.99777	220424908	4050110	79
08/22/2017 16:59:52	16.67472	16.69273	16.65742	734.70001	734.70001	734.70001	30.85341	30.9	30.8	30.267	30.4	30.1	26.19836	26.26719	26.10093	0.58641	0.9	0.1	22.08505	0.03143	22.08111	220424908	4050110	79
08/22/2017 17:04:52	16.67462	16.69874	16.65707	734.67779	734.70001	734.59997	30.79995	30.9	30.5	30.162	30.4	29.9	26.19375	26.26719	26.12864	0.63795	0.9	0.1	22.16826	0.01887	22.16444	220424908	4050110	79
08/22/2017 17:09:52	16.67462	16.69486	16.65707	734.62249	734.70001	734.59997	30.56695	30.9	30.3	30.17595	30.4	29.9	26.14178	26.26719	26.04552	0.391	0.8	0	22.25146	0.04276	22.24805	220424908	4050110	79
08/22/2017 17:14:52	16.67462	16.69486	16.65707	734.62249	734.70001	734.59997	30.56695	30.9	30.3	30.17595	30.4	29.9	26.14178	26.26719	26.04552	0.391	0.8	0	22.33466	0.03397	22.33111	220424908	4050110	79
08/22/2017 17:19:52	16.67406	16.6945	16.65707	734.61737	734.70001	734.59997	30.50324	30.8	30.3	30.10944	30.3	29.9	26.16524	26.26719	26.04552	0.39379	0.8	0.2	22.41787	0.02141	22.41444	220424908	4050110	79
08/22/2017 17:24:52	16.67407	16.6945	16.64507	734.65564	734.70001	734.59997	30.41313	30.5	30.19999	29.90376	30.1	29.69999	26.19031	26.3503	26.04552	0.50937	0.8	0.2	22.50107	0.04142	22.49777	220424908	4050110	79
08/22/2017 17:29:52	16.67553	16.69163	16.65595	734.69397	734.70001	734.59997	30.3504	30.5	30.19999	29.41325	29.9	29.1	26.18691	26.3226	26.04552	0.93716	1.3	0.4	22.58428	0.06154	22.58111	220424908	4050110	79
08/22/2017 17:34:53	16.67586	16.70889	16.63308	734.70001	734.70001	734.70001	30.07239	30.3	29.8	29.47276	29.9	29.1	26.09336	26.21177	26.01781	0.59962	1.1	0.2	22.66748	0.02004	22.66472	220424908	4050110	79
08/22/2017 17:39:52	16.67637	16.70889	16.65595	734.70001	734.70001	734.70001	30.07239	30.3	29.8	29.47276	29.9	29.1	26.09336	26.21177	26.01781	0.59962	0.9	0.2	22.75069	0.12577	22.74805	220424908	4050110	79
08/22/2017 17:44:52	16.67637	16.70889	16.65595	734.70001	734.70001	734.70001	29.91382	30.19999	29.6	29.3999	29.69999	29.19999	26.07155	26.18406	25.9901	0.51392	0.9	0.2	22.83391	0.02891	22.83111	220424908	4050110	79
08/22/2017 17:49:52	16.67642	16.70889	16.65595	734.69506	734.70001	734.59997	29.79774	29.9	29.6	29.56305	29.69999	29.3	26.06265	26.15635	25.9901	0.24813	0.6	0	22.91712	0.04147	22.91444	220424908	4050110	79
08/22/2017 17:54:52	16.67482	16.69974	16.65595	734.62414	734.70001	734.59997	29.66376	29.9	29.3	29.5657	29.9	29.1	26.06904	26.18406	25.9901	0.16527	0.6	0	23.00033	0.08283	22.99777	220424908	4050110	79
08/22/2017 17:59:52	16.67431	16.6933	16.652	734.59997	734.59997	734.59997	29.47949	29.6	29.19999	29.15286	29.3	29	26.1158	26.23948	25.96239	0.33336	0.5	0	23.08353	0	23.08138	220424908	4050110	79
08/22/2017 18:04:52	16.67431	16.6933	16.652	734.59997	734.59997	734.59997	29.47949	29.6	29.19999	29.15286	29.3	29	26.1158	26.23948	25.96239	0.33336	0.4	0	23.16673	0.02147	23.16472	220424908	4050110	79
08/22/2017 18:09:52	16.67453	16.6989	16.6576	734.59997	734.59997	734.59997	29.28301	29.5	29.1	29.07744	29.3	28.9	26.10607	26.21177	26.01781	0.20557	0.4	0	23.24993	0	23.24777	220424908	4050110	79
08/22/2017 18:14:52	16.67423	16.69491	16.65114	734.56182	734.59997	734.5	29.00978	29.19999	28.9	28.65244	29	28.5	26.15725	26.26719	26.04552	0.35734	0.59999	0.1	23.33314	0.06286	23.33138	220424908	4050110	79
08/22/2017 18:19:52	16.67423	16.69491	16.65114	734.56182	734.59997	734.5	29.00978	29.19999	28.9	28.65244	29	28.5	26.15725	26.26719	26.04552	0.35734	0.5	0	23.41634	0.02151	23.41444	220424908	4050110	79
08/22/2017 18:24:52	16.67393	16.68841	16.65316	734.5	734.5	734.5	28.64647	28.9	28.5	28.47017	28.69999	28.3	26.18082	26.3226	26.07322	0.18301	0.6	0	23.49954	0.01982	23.49805	220424908	4050110	79
08/22/2017 18:29:52	16.67393	16.68841	16.65316	734.5	734.5	734.5	28.64647	28.9	28.5	28.47017	28.69999	28.3	26.18082	26.3226	26.07322	0.18301	0.6	0	23.58276	0.06284	23.58111	220424908	4050110	79
08/22/2017 18:34:52	16.67416	16.70756	16.64713	734.47479	734.5	734.39996	28.54684	28.7	28.4	28.0897	28.4	27.8	26.24832	26.37801	26.12864	0.45714	0.8	0.1	23.66596	0.05009	23.66444	220424908	4050110	79
08/22/2017 18:39:52	16.67493	16.70099	16.65417	734.47998	734.5	734.39996	28.40009	28.5	28.1	27.96702	28.1	27.8	26.24126	26.3503	26.10093	0.43307	0.7	0.1	23.74917	0.03943	23.74805	220424908	4050110	79
08/22/2017 18:44:52	16.67493	16.70099	16.65417	734.44366	734.5	734.39996	28.21428	28.4	28.1	27.82252	28	27.69999	26.24757	26.37801	26.15635	0.39175	0.9	0.1	23.83237	0.04119	23.83138	220424908	4050110	79
08/22/2017 18:49:52	16.67399	16.69192	16.65723	734.45935	734.5	734.39996	28.01018	28.3	27.8	27.4489	28	27.3	26.26925	26.3503	26.12864	0.56128	0.6	0.1	23.91558	0.04119	23.91444	220424908	4050110	79
08/22/2017 18:54:52	16.67303	16.70597	16.64708	734.41241	734.5	734.39996	27.86316	28.1	27.7	27.52492	27.69999	27.3	26.21592	26.3226	26.12864	0.33823	0.6	0.2	23.99878	0.02628	23.99805	220424908	4050110	79
08/22/2017 18:59:52	16.67284	16.69629	16.64348	734.4201	734.5	734.39996	27.6704	27.8	27.5	27.23414	27.4	26.9	26.2149	26.3226	26.10093	0.43626	0.6	0.2	24.00155	0	24	220424908	4050110	79
08/22/2017 19:04:52	0	0	0	734.39996	734.39996	734.39996	27.47743	27.7	27.3	26.59104	26.9	26.3	6.29186	6.34513	6.20659	0.88639	1.2	0.6	24.00155	0	24	220424908	4050110	79
08/22/2017 19:09:52	0	0	0	734.38482	734.39996	734.29998	27.20412	27.4	26.9	26.21003	26.5	26	6.28083	6.34513	6.17888	0.99409	1.1	0.7	24.00155	0	24	220424908	4050110	79
08/22/2017 19:14:52	0	0	0	734.38482	734.39996	734.29998	27.20412	27.4	26.9	26.21003	26.5	26	6.28083	6.34513	6.17888	0.99409	1.1	0.7	24.00155	0	24	220424908	4050110	79
08/22/2017 19:19:52	0	0	0	734.30401	734.39996	734.29998	26.83902	27.2	26.6	25.89025	26.19999	25.6	6.28319	6.34513	6.17888	0.94876	1.2	0.7	24.00155	0	24	220424908	4050110	79
08/22/2017 19:24:52	0	0	0	734.29998	734.29998	734.29998	26.53663	26.9	26.2	25.55021	25.69999	25.3	6.26081	6.31742	6.17888	0.98642	1.2	0.7	24.00155	0	24	220424908	4050110	79
08/22/2017 19:29:52	0	0	0	734.29998	734.29998	734.29998	26.14687	26.5	25.9	25.17344	25.4	25	6.19904	6.31742	6.15117	0.97342	1.2	0.7	24.00155	0	24	220424908	4050110	79

08/22/2017 19:34:52	0	0	0	734.30401	734.39996	734.29998	25.5141	25.6	25.3	24.56216	24.8	24.4	6.14866	6.15117	6.12347	0.95194	1.1	0.6	24.00155	0	24	220424908	4050110	79
08/22/2017 19:39:52	0	0	0	734.30401	734.39996	734.29998	25.5141	25.6	25.3	24.56216	24.8	24.4	6.14866	6.15117	6.12347	0.95194	1.4	0.7	24.00155	0	24	220424908	4050110	79
08/22/2017 19:44:52	0	0	0	734.33007	734.39996	734.29998	25.2371	25.5	25.1	24.13778	24.4	23.8	6.12896	6.15117	6.09576	1.09932	1.4	0.7	24.00155	0	24	220424908	4050110	79
08/22/2017 19:49:52	0	0	0	734.34161	734.39996	734.29998	24.95357	25.1	24.8	23.76737	24.1	23.5	6.10516	6.12347	6.01263	1.1862	1.4	0.8	24.00155	0	24	220424908	4050110	79
08/22/2017 19:54:52	0	0	0	734.30285	734.39996	734.29998	24.58737	24.8	24.3	23.35813	23.6	23.1	6.0906	6.12347	5.98492	1.22924	1.5	1	24.00155	0	24	220424908	4050110	79
08/22/2017 19:59:52	0	0	0	734.38147	734.39996	734.29998	24.29682	24.5	24.1	23.16741	23.3	23	6.05892	6.12347	5.95722	1.12941	1.3	1	24.00155	0	24	220424908	4050110	79
08/22/2017 20:04:52	0	0	0	734.39996	734.39996	734.39996	23.91057	24.2	23.6	22.83245	23.1	22.6	6.00378	6.09576	5.95722	1.07811	1.5	0.8	24.00155	0	24	220424908	4050110	79
08/22/2017 20:09:52	0	0	0	734.39087	734.39996	734.29998	23.61497	23.9	23.3	22.55025	22.69999	22.3	6.00711	6.09576	5.95722	1.06472	1.3	0.8	24.00155	0	24	220424908	4050110	79
08/22/2017 20:14:52	0	0	0	734.30438	734.39996	734.29998	23.25616	23.6	23	22.2997	22.6	22	6.00435	6.09576	5.95722	0.95646	1.3	0.7	24.00155	0	24	220424908	4050110	79
08/22/2017 20:19:52	0	0	0	734.29998	734.29998	734.29998	22.63748	22.9	22.4	22.17061	22.5	22	5.9186	5.95722	5.79097	0.46686	0.8	0.1	24.00155	0	24	220424908	4050110	79
08/22/2017 20:24:52	0	0	0	734.29998	734.29998	734.29998	22.63748	22.9	22.4	22.17061	22.5	22	5.9186	5.95722	5.79097	0.46686	0.7	0	24.00155	0	24	220424908	4050110	79
08/22/2017 20:29:52	0	0	0	734.29095	734.29998	734.20001	22.34738	22.6	22	21.94726	22.1	21.8	5.97183	6.09576	5.92951	0.40012	0.7	0	24.00155	0	24	220424908	4050110	79
08/22/2017 20:34:52	0	0	0	734.29998	734.29998	734.29998	21.82001	22	21.5	21.28001	21.69999	21.1	6.11308	6.20659	6.06805	0.54	0.8	0.2	24.00155	0	24	220424908	4050110	79
08/22/2017 20:39:52	0	0	0	734.29998	734.29998	734.29998	21.82001	22	21.5	21.28001	21.69999	21.1	6.11308	6.20659	6.06805	0.54	0.7	0	24.00155	0	24	220424908	4050110	79
08/22/2017 20:44:52	0	0	0	734.29998	734.29998	734.29998	21.55362	21.8	21.3	21.21091	21.4	20.9	6.1208	6.2343	6.06805	0.34271	0.5	0	24.00155	0	24	220424908	4050110	79
08/22/2017 20:49:52	0	0	0	734.29998	734.29998	734.29998	21.28368	21.5	20.9	21.07277	21.4	20.8	6.21017	6.31742	6.09576	0.22437	0.5	0	24.00155	0	24	220424908	4050110	79
08/22/2017 20:54:52	0	0	0	734.29998	734.29998	734.29998	21.03009	21.3	20.7	21.11616	21.4	20.8	6.28044	6.37284	6.20659	0.18693	0.5	0	24.00155	0	24	220424908	4050110	79
08/22/2017 20:59:52	0	0	0	734.31091	734.39996	734.29998	20.81703	21.2	20.6	21.08441	21.3	20.69999	6.32938	6.37284	6.2343	0.29429	0.5	0	24.00155	0	24	220424908	4050110	79
08/22/2017 21:04:52	0	0	0	734.39593	734.39996	734.29998	20.60426	20.8	20.3	20.6963	21.1	20.3	6.30171	6.37284	6.20659	0.15253	0.39999	0	24.00155	0	24	220424908	4050110	79
08/22/2017 21:09:52	0	0	0	734.39996	734.39996	734.39996	20.37737	20.6	20.1	20.33072	20.69999	20.1	6.33115	6.37284	6.2343	0.18199	0.5	0	24.00155	0	24	220424908	4050110	79
08/22/2017 21:14:52	0	0	0	734.39996	734.39996	734.39996	20.19061	20.3	20	20.16762	20.6	19.69999	6.34541	6.37284	6.31742	0.12858	0.5	0	24.00155	0	24	220424908	4050110	79
08/22/2017 21:19:52	0	0	0	734.40301	734.5	734.39996	19.98444	20.2	19.7	20.00957	20.1	19.69999	6.36245	6.45596	6.34513	0.132	0.4	0	24.00155	0	24	220424908	4050110	79
08/22/2017 21:24:52	0	0	0	734.45141	734.5	734.39996	19.79065	20	19.5	20.16338	20.5	20	6.40113	6.48367	6.34513	0.37273	0.8	0.1	24.00155	0	24	220424908	4050110	79
08/22/2017 21:29:52	0	0	0	734.40704	734.5	734.39996	19.61345	19.9	19.5	19.82686	20.1	19.5	6.44161	6.51138	6.34513	0.22014	0.5	0	24.00155	0	24	220424908	4050110	79
08/22/2017 21:34:52	0	0	0	734.39996	734.39996	734.39996	19.37699	19.6	19.1	19.51028	19.69999	19.1	6.48482	6.56679	6.37284	0.1736	0.5	0	24.00155	0	24	220424908	4050110	79
08/22/2017 21:39:52	0	0	0	734.49664	734.5	734.39996	19.1705	19.5	18.9	19.26033	19.5	19	6.53326	6.62221	6.45596	0.20414	0.5	0	24.00155	0	24	220424908	4050110	79
08/22/2017 21:44:52	0	0	0	734.5	734.5	734.5	18.98372	19.3	18.9	19.00245	19.3	18.8	6.60561	6.64992	6.51138	0.10613	0.3	0	24.00155	0	24	220424908	4050110	79
08/22/2017 21:49:52	0	0	0	734.58551	734.59997	734.5	18.85616	19.1	18.5	18.8027	19	18.5	6.64255	6.73304	6.56679	0.10052	0.4	0	24.00155	0	24	220424908	4050110	79
08/22/2017 21:54:52	0	0	0	734.59997	734.59997	734.59997	18.62038	18.8	18.3	18.75326	19	18.5	6.67843	6.78846	6.62221	0.15308	0.5	0	24.00155	0	24	220424908	4050110	79
08/22/2017 21:59:52	0	0	0	734.50201	734.59997	734.5	18.28285	18.4	18.1	18.42794	18.69999	18.19999	6.78119	6.78846	6.70533	0.1642	0.39999	0	24.00155	0	24	220424908	4050110	79
08/22/2017 22:04:52	0	0	0	734.58551	734.59997	734.5	18.09057	18.3	17.9	18.07678	18.3	17.8	6.78846	6.78846	6.78846	0.10723	0.3	0	24.00155	0	24	220424908	4050110	79
08/22/2017 22:09:52	0	0	0	734.58551	734.59997	734.5	18.09057	18.3	17.9	18.07678	18.3	17.8	6.78846	6.78846	6.78846	0.10723	0.3	0	24.00155	0	24	220424908	4050110	79
08/22/2017 22:14:52	0	0	0	734.59997	734.59997	734.59997	17.71647	17.9	17.6	17.5269	17.69999	17.3	6.88757	7.06554	6.78846	0.18957	0.4	0	24.00155	0	24	220424908	4050110	79
08/22/2017 22:19:52	0	0	0	734.59997	734.59997	734.59997	17.71647	17.9	17.6	17.5269	17.69999	17.3	6.88757	7.06554	6.78846	0.18957	0.4	0	24.00155	0	24	220424908	4050110	79
08/22/2017 22:24:52	0	0	0	734.58807	734.59997	734.5	17.59666	17.8	17.3	17.45855	17.69999	17.1	6.89749	7.06554	6.78846	0.20427	0.6	0	24.00155	0	24	220424908	4050110	79
08/22/2017 22:29:52	0	0	0	734.59558	734.59997	734.5	17.32407	17.6	17.2	17.84407	18.1	17.6	7.01286	7.12095	6.81617	0.52	0.8	0.1	24.00155	0	24	220424908	4050110	79
08/22/2017 22:34:52	0	0	0	734.51086	734.59997	734.5	17.01984	17.2	16.9	17.88023	18.1	17.69999	7.18538	7.23179	7.12095	0.86038	1.2	0.59999	24.00155	0	24	220424908	4050110	79
08/22/2017 22:39:52	0	0	0	734.51086	734.59997	734.5	17.01984	17.2	16.9	17.88023	18.1	17.69999	7.18538	7.23179	7.12095	0.86038	1.2	0.59999	24.00155	0	24	220424908	4050110	79
08/22/2017 22:44:52	0	0	0	734.58081	734.59997	734.5	16.87613	17	16.6	17.86782	18.1	17.69999	7.2135	7.23179	7.14866	0.99168	1.3	0.69999	24.00155	0	24	220424908	4050110	79
08/22/2017 22:49:52	0	0	0	734.58685	734.59997	734.5	16.68688	16.9	16.4	17.93619	18.19999	17.8	7.22237	7.23179	7.17637	1.24931	1.59999	0.9	24.00155	0	24	220424908	4050110	79
08/22/2017 22:54:52	0	0	0	734.53338	734.59997	734.5	16.57379	16.9	16.4	17.85379	18.1	17.69999	7.23095	7.23179	7.20408	1.27999	1.5	0.9	24.00155	0	24	220424908	4050110	79
08/22/2017 22:59:52	0	0	0	734.59997	734.59997	734.59997	16.38036	16.6	16.3	17.54551	17.8	17.3	7.22423	7.23179	7.20408	1.16515	1.4	0.9	24.00155	0	24	220424908	4050110	79
08/22/2017 23:04:52	0	0	0	734.59997	734.59997	734.59997	16.38036	16.6	16.3	17.54551	17.8	17.3	7.22423	7.23179	7.20408	1.16515	1.6	0.89999	24.00155	0	24	220424908	4050110	79
08/22/2017 23:09:52	0	0	0	734.51544	734.59997	734.5	16.29293	16.4	16	17.45471	17.6	17.19999	7.23878	7.34262	7.20408	1.16177	1.6	0.89999	24.00155	0	24	220424908	4050110	79
08/22/2017 23:14:52	0	0	0	734.50201	734.59997	734.5	16.18124	16.4	15.9	17.227	17.5	17	7.2745	7.37033	7.20408	1.04576	1.6	0.8	24.00155	0	24	220424908	4050110	79
08/22/2017 23:19:52	0	0	0	734.53241	734.59997	734.5	15.94707	16.3	15.8	17.11952	17.6	16.9	7.34861	7.39803	7.2872	1.17244	1.7	0.99999	24.00155	0	24	220424908	4050110	79
08/22/2017 23:24:52	0	0	0	734.53241	734.59997	734.5	15.94707	16.3	15.8	17.11952	17.6	16.9	7.34861	7.39803	7.2872	1.17244	1.7	0.99999	24.00155	0	24	220424908	4050110	79
08/22/2017 23:29:52	0	0	0	734.51818	734.59997	734.5	15.88375	16.3	15.7	17.0871	17.3	16.9	7.38005	7.48116	7.34262	1.20334	1.4	0.89999	24.00155	0	24	220424908	4050110	79
08/22/2017 23:34:52	0	0	0	734.51147	734.59997	734.5	15.79047	15.9	15.5	16.98376	17.3	16.69999	7.40474	7.48116	7.34262	1.19328	1.8	0.89999	24.00155	0	24	220424908	4050110	79
08/22/2017 23:39:52	0	0	0	734.50305	734.59997	734.5	15.71186	15.9	15.5	17.05997	17.3	16.69999	7.44009	7.50887	7.37033	1.34811	1.8	0.99999	24.00155	0	24	220424908	4050110	79
08/22/2017 23:44:52	0	0	0	734.5	734.5	734.5	15.6103	15.9	15.5	17.0354	17.3	16.69999	7.50188	7.50887	7.48116	1.42509	1.6	1.19999	24.00155	0	24	220424908	4050110	79
08/22/2017 23:49:52	0	0	0	734.5	734.5	734.5	15.48537	15.7	15.3	17.01145	17.19999	16.69999	7.49688	7.50887	7.45345	1.52607	1.89999	0.99999	24.00155	0	24	220424908	4050110	79
08/22/2017 23:54:52	0	0	0	734.5	734.5	734.5	15.31948	15.5	15.2	17.20983	17.5	17	7.50887	7.50887	7.50887	1.89035	2.3	1.6	24.00155	0	24	220424908	4050110	79
08/22/2017 23:59:52	0	0	0	734.5	734.5	734.5	15.31948	15.5	15.2	17.20983	17.5	17	7.50887	7.50887	7.50887	1.89035	2.19999	1.6	24.00155	0	24	220424908	4050110	79
08/23/2017 00:04:52	0	0	0	734.5	734.5	734.5	15.26334	15.5	15.1	17.31194	17.5	17.1	7.50887	7.50887	7.50887	2.0486	2.4	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 00:09:52	0	0	0	734.5	734.5	734.5	15.26334	15.5	15.1	17.31194	17.5	17.1	7.50887	7.50887	7.50887	2.0486	2.4	1.89999	24.00155	0	24	220424908	4050110	79
08/23/2017 00:14:52	0	0	0	734.5	734.5	734.5	15.22319	15.3	15.1	17.31684	17.5	17.1	7.51793	7.56428	7.50887	2.09366	2.4	1.89999	24.00155	0	24	220424908	4050110	79
08/23/2017 00:19:52	0	0	0	734.5	734.5	734.5	15.16463	15.3	14.8	17.28803	17.5	17.1	7.5125	7.53658	7.50887	2.1234	2.6	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 00:24:52	0	0	0	734.49395	734.5	734.39996	15.11349	15.4	14.9	17.24765	17.5	17.1	7.52437	7.6197	7.50887	2.13416	2.6	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 00:29:52	0	0	0	734.49823	734.5	734.39996	15.04452	15.3	14.8	17.19569	17.5	17	7.60686	7.64741	7.53658	2.15116	2.4	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 00:34:52	0	0	0	734.43023	734.5	734.39996	15.01367	15.2	14.8	17.09897	17.3	16.69999	7.5758	7.64741	7.50887	2.0853	2.3	1.49999	24.00155	0	24	220424908	4050110	79
08/23/2017 00:39:52	0	0	0	734.39996	734.39996	734.39996	14.97387	15.3	14.7	16.87054	17.1	16.6	7.65188	7.75824	7.56428	1.89667	2	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 00:44:52	0	0	0	734.401	734.5	734.39996	14.90658	15.2	14.7	16.61987	16.9	16.4	7.66589	7.73053	7.59199	1.71328	2	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 00:49:52	0	0	0	734.39996	734.39996	734.39996	14.88712	15.2	14.7	16.39805	16.69999	16.1	7.68502	7.78595	7.59199	1.51092	1.8	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 00:54:52	0	0	0	734.401	734.5	734.39996	14.8036	14.9	14.6	16.11739	16.4	16	7.71608	7.81366	7.67512	1.31379	1.69999	1.1	24.00155	0	24	220424908	4050110	79
08/23/2017 00:59:52	0	0	0	734.39996	734.39996	734.39996	14.78006	14.9	14.6	16.10193	16.4	15.9	7.74913	7.81366	7.67512	1.32187	1.69999	1	24.00155	0	24	220424908	4050110	79
08/23/2017 01:04:52	0	0	0	734.39996	734.39996	734.39996	14.7296	14.9	14.6	15.9761	16.1	15.69999	7.80077	7.81366	7.73053	1.2465	1.4	0.99999	24.00155	0	24	220424908	4050110	79
08/23/2017 01:09:52	0	0	0	734.38787	734.39996	734.29998	14.63701	14.8	14.5	15.85744	16.1	15.69999	7.81002	7.81366	7.75824	1.22042	1.5	0.99999	24.00155	0	24	220424908	4050110	79
08/23/2017 01:14:52	0	0	0	734.36865	734.39996	734.29998	14.58341	14.8	14.3	15.74152	16	15.5	7.81421	7.84136	7.81366	1.15811	1.4	0.89999	24.00155	0	24	220424908	4050110	79
08/23/2017 01:19:52	0	0	0	734.3363	734.39996	734.29998	14.43576	14.6	14.3	15.98085	16.4	15.69999	7.81645	7.84136	7.81366	1.54509	1.8	1.09999	24.00155	0	24	220424908	4050110	79
08/23/2017 01:24:52	0	0	0	734.34442	734.39996	734.29998	14.2788	14.6	14.2	15.78681	16	15.69999	7.81366	7.81366	7.81366	1.508	1.8	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 01:29:52	0	0	0	734.34442	734.39996	734.29998	14.2788	14.6	14.2	15.78681	16	15.69999	7.81366	7.81366	7.81366	1.508	1.8	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 01:34:52	0	0	0	734.32354	734.39996	734.29998	14.23391	14.3	14.1	15.74156	16	15.5	7.82355	7.86907	7.81366	1.50764	1.9	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 01:39:52	0	0	0	734.29998	734.29998	734.29998	14.17091	14.3	13.9	15.69962	15.8	15.4	7.85714	7.95219	7.81366	1.5287	1.9	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 01:44:52	0	0	0	734.30102	734.39996	734.29998	14.11319	14.3	14	15.64243	15.8	15.4	7.8682	7.95219	7.81366	1.52924	1.8	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 01:49:52	0	0	0	734.29998	734.29998	734.29998	14.01559	14.2	13.7	15.71009	15.8	15.4	7.93625	7.9799	7.86907	1.69449	1.99999	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 01:54:52	0	0	0	734.29998	734.29998	734.29998	13.98685	14.2	13.7	15.69628	15.9	15.4	7.96321	8.00761	7.89678	1.70942	2.09999	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 01:59:52	0	0	0	734.29998	734.29998	734.29998	13.89933	14.1	13.7	15.57461	15.8	15.4	7.98466	8.03532	7.92449	1.67527	2.09999	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 02:04:52	0	0	0	734.29998	734.29998	734.29998	13.84585	14	13.6	15.51045	15.69999	15.19999	8.01855	8.11844	7.95219	1.66459	2.09999	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 02:09:52	0	0	0	734.26391	734.29998	734.20001	13.80026	14	13.6	15.39937	15.69999	15.19999	8.07155	8.11844	7.9799	1.59911	1.99999	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 02:14:52	0	0	0	734.20001	734.20001	734.20001	13.72785	13.9	13.6	15.34283	15.5	15.19999	8.11481	8.11844	8.09074	1.61497	1.8	1.49999	24.00155	0	24	220424908	4050110	79
08/23/2017 02:19:52	0	0	0	734.20001	734.20001	734.20001	13.62719	13.9	13.4	15.37099	15.69999	15.19999	8.1176	8.11844	8.09074	1.7438	2.09999	1.49999	24.00155	0	24	220424908	4050110	79
08/23/2017 02:24:52	0	0	0	734.20001	734.20001	734.20001	13.61651	13.9	13.4	15.31552	15.5	15.1	8.11956	8.14615	8.11844	1.69901	2	1.4	24.00155	0	24	220424908	4050110	79

08/23/2017 02:29:52	0	0	0	734.11145	734.20001	734.09997	13.52964	13.7	13.4	15.29939	15.5	15.1	8.18757	8.25698	8.11844	1.76974	2	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 02:34:52	0	0	0	734.0495	734.09997	734	13.47616	13.6	13.4	15.27401	15.5	15.1	8.21315	8.28469	8.11844	1.79785	2	1.59999	24.00155	0	24	220424908	4050110	79
08/23/2017 02:39:52	0	0	0	734.00134	734.09997	734	13.43737	13.6	13.3	15.25017	15.4	14.9	8.24149	8.28469	8.17385	1.8128	2.09999	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 02:44:52	0	0	0	734.00506	734.09997	734	13.39423	13.7	13.3	15.34348	15.5	15.19999	8.27762	8.36781	8.22927	1.94924	2.19999	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 02:49:52	0	0	0	734.03936	734.09997	734	13.34244	13.6	13.1	15.24491	15.4	14.9	8.28582	8.36781	8.25698	1.90246	2.3	1.5	24.00155	0	24	220424908	4050110	79
08/23/2017 02:54:52	0	0	0	734.00335	734.09997	734	13.31443	13.6	13.1	15.11681	15.19999	14.8	8.36261	8.42323	8.25698	1.80238	2.09999	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 02:59:52	0	0	0	734	734	734	13.22696	13.4	13	14.98286	15.19999	14.7	8.29926	8.39552	8.25698	1.7559	2.1	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 03:04:52	0	0	0	734	734	734	13.16721	13.4	13	14.95195	15.1	14.8	8.3402	8.42323	8.25698	1.78474	2.1	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 03:09:52	0	0	0	734	734	734	13.12388	13.4	13	14.93768	15.19999	14.7	8.35459	8.42323	8.28469	1.81379	2.19999	1.39999	24.00155	0	24	220424908	4050110	79
08/23/2017 03:14:52	0	0	0	733.99798	734	733.89996	13.02965	13.3	12.9	14.90244	15.19999	14.7	8.3802	8.42323	8.28469	1.87279	2.29999	1.49999	24.00155	0	24	220424908	4050110	79
08/23/2017 03:19:52	0	0	0	734	734	734	13.01043	13.3	12.9	14.87164	15.19999	14.3	8.39544	8.42323	8.28469	1.8612	2.2	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 03:24:52	0	0	0	734	734	734	12.9764	13.3	12.8	14.37461	14.7	14.1	8.41185	8.42323	8.36781	1.39821	1.8	0.99999	24.00155	0	24	220424908	4050110	79
08/23/2017 03:29:52	0	0	0	733.93365	734	733.89996	12.9165	13	12.8	14.10338	14.3	13.9	8.41427	8.42323	8.39552	1.18688	1.5	1	24.00155	0	24	220424908	4050110	79
08/23/2017 03:34:52	0	0	0	733.89996	733.89996	733.89996	12.81715	12.9	12.5	14.01257	14.3	13.9	8.43379	8.53406	8.39552	1.19541	1.6	1	24.00155	0	24	220424908	4050110	79
08/23/2017 03:39:52	0	0	0	733.89221	733.89996	733.79998	12.78622	12.9	12.7	14.3101	14.6	14.1	8.45982	8.53406	8.39552	1.52388	1.89999	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 03:44:52	0	0	0	733.79998	733.79998	733.79998	12.64553	12.9	12.4	14.37796	14.6	14.1	8.53454	8.61718	8.47865	1.73243	2.1	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 03:49:52	0	0	0	733.79998	733.79998	733.79998	12.64553	12.9	12.4	14.37796	14.6	14.1	8.53454	8.61718	8.47865	1.73243	2.1	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 03:54:52	0	0	0	733.79998	733.79998	733.79998	12.5693	12.9	12.2	14.04879	14.3	13.7	8.57381	8.64489	8.53406	1.47949	2	0.9	24.00155	0	24	220424908	4050110	79
08/23/2017 03:59:52	0	0	0	733.79998	733.79998	733.79998	12.5693	12.9	12.2	14.04879	14.3	13.7	8.57381	8.64489	8.53406	1.47949	2	0.9	24.00155	0	24	220424908	4050110	79
08/23/2017 04:04:52	0	0	0	733.79998	733.79998	733.79998	12.38622	12.8	12.1	13.79188	14.3	13.4	8.63951	8.72802	8.56177	1.40565	1.8	0.8	24.00155	0	24	220424908	4050110	79
08/23/2017 04:09:52	0	0	0	733.79998	733.79998	733.79998	12.30948	12.5	12.1	13.68382	13.9	13.5	8.64236	8.72802	8.56177	1.37434	1.8	1.1	24.00155	0	24	220424908	4050110	79
08/23/2017 04:14:52	0	0	0	733.79998	733.79998	733.79998	12.28585	12.5	11.9	13.77483	14.1	13.5	8.60356	8.6726	8.56177	1.48898	1.9	1	24.00155	0	24	220424908	4050110	79
08/23/2017 04:19:52	0	0	0	733.79998	733.79998	733.79998	12.28585	12.5	11.9	13.77483	14.1	13.5	8.60356	8.6726	8.56177	1.48898	1.9	1	24.00155	0	24	220424908	4050110	79
08/23/2017 04:24:52	0	0	0	733.79998	733.79998	733.79998	12.24342	12.5	11.9	13.66358	13.9	13.5	8.61596	8.70031	8.56177	1.42015	1.8	1.1	24.00155	0	24	220424908	4050110	79
08/23/2017 04:29:52	0	0	0	733.79998	733.79998	733.79998	12.16062	12.5	11.9	13.52052	13.7	13.4	8.65534	8.70031	8.56177	1.3599	1.6	1.1	24.00155	0	24	220424908	4050110	79
08/23/2017 04:34:52	0	0	0	733.79998	733.79998	733.79998	12.0963	12.3	11.9	13.50609	13.6	13.3	8.66102	8.70031	8.61718	1.40979	1.69999	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 04:39:52	0	0	0	733.79998	733.79998	733.79998	12.03157	12.3	11.7	13.44744	13.6	13.3	8.69473	8.72802	8.64489	1.41587	1.7	1	24.00155	0	24	220424908	4050110	79
08/23/2017 04:44:52	0	0	0	733.79998	733.79998	733.79998	11.9566	12.3	11.8	13.4535	13.7	13.3	8.70255	8.72802	8.6726	1.4969	1.8	1.1	24.00155	0	24	220424908	4050110	79
08/23/2017 04:49:52	0	0	0	733.79998	733.79998	733.79998	11.90671	12.1	11.8	13.37947	13.5	13.1	8.70796	8.72802	8.70031	1.47276	1.7	1	24.00155	0	24	220424908	4050110	79
08/23/2017 04:54:52	0	0	0	733.76495	733.79998	733.70001	11.85154	12.1	11.7	13.40671	13.6	13.1	8.72167	8.81114	8.70031	1.55516	1.8	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 04:59:52	0	0	0	733.70001	733.70001	733.70001	11.76028	11.9	11.6	13.3963	13.5	13.1	8.72905	8.78344	8.70031	1.63602	1.9	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 05:04:52	0	0	0	733.79321	733.79998	733.70001	11.71076	11.9	11.6	13.27402	13.5	13	8.75255	8.81114	8.70031	1.56327	1.9	1.2	24.00155	0	24	220424908	4050110	79
08/23/2017 05:09:52	0	0	0	733.72021	733.79998	733.70001	11.65351	11.8	11.3	13.27402	13.5	13	8.75255	8.81114	8.70031	1.56327	2.1	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 05:14:52	0	0	0	733.78723	733.79998	733.70001	11.63626	11.9	11.5	13.29533	13.5	13	8.75776	8.83885	8.70031	1.65907	1.9	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 05:19:52	0	0	0	733.79596	733.79998	733.70001	11.58657	11.7	11.3	13.3127	13.6	13	8.78046	8.86656	8.72802	1.72613	2.1	1.39999	24.00155	0	24	220424908	4050110	79
08/23/2017 05:24:52	0	0	0	733.70971	733.79998	733.70001	11.55166	11.7	11.3	13.63827	13.9	13.4	8.82472	8.86656	8.75573	2.0866	2.6	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 05:29:52	0	0	0	733.70098	733.79998	733.70001	11.57178	11.7	11.3	13.79802	14.1	13.6	8.86116	8.89426	8.81114	2.22624	2.8	1.89999	24.00155	0	24	220424908	4050110	79
08/23/2017 05:34:52	0	0	0	733.70202	733.79998	733.70001	11.48255	11.7	11.2	13.89194	14.1	13.6	8.87771	8.94968	8.81114	2.40939	2.8	1.89999	24.00155	0	24	220424908	4050110	79
08/23/2017 05:39:52	0	0	0	733.70202	733.79998	733.70001	11.48255	11.7	11.2	13.89194	14.1	13.6	8.87771	8.94968	8.81114	2.40939	2.8	1.89999	24.00155	0	24	220424908	4050110	79
08/23/2017 05:44:52	0	0	0	733.70001	733.70001	733.70001	11.49467	11.7	11.2	13.76103	14	13.6	8.89305	8.97739	8.83885	2.26636	2.7	2	24.00155	0	24	220424908	4050110	79
08/23/2017 05:49:52	0	0	0	733.70001	733.70001	733.70001	11.49467	11.7	11.2	13.76103	14	13.6	8.89305	8.97739	8.83885	2.26636	2.6	2	24.00155	0	24	220424908	4050110	79
08/23/2017 05:54:52	0	0	0	733.70001	733.70001	733.70001	11.51277	11.7	11.3	13.73015	13.9	13.5	8.97748	9.03281	8.89426	2.21737	2.6	1.9	24.00155	0	24	220424908	4050110	79
08/23/2017 05:59:52	0	0	0	733.70001	733.70001	733.70001	11.51277	11.7	11.3	13.73015	13.9	13.5	8.97748	9.03281	8.89426	2.21737	2.4	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 06:04:52	0	0	0	733.73693	733.79998	733.70001	11.53621	11.7	11.3	13.66644	13.9	13.5	8.92234	8.97739	8.86656	2.13022	2.4	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 06:09:52	0	0	0	733.79394	733.79998	733.70001	11.5369	11.7	11.3	13.66845	13.9	13.5	8.90458	8.97739	8.81114	2.13155	2.4	1.9	24.00155	0	24	220424908	4050110	79
08/23/2017 06:14:52	0	0	0	733.79998	733.79998	733.79998	11.56176	11.7	11.3	13.65638	13.9	13.5	8.83884	8.92197	8.78344	2.09461	2.4	1.89999	24.00155	0	24	220424908	4050110	79
08/23/2017 06:19:52	0	0	0	733.80365	733.89996	733.79998	11.56311	11.8	11.3	13.71675	14	13.5	8.84034	8.92197	8.75573	2.15364	2.4	1.9	24.00155	0	24	220424908	4050110	79
08/23/2017 06:24:52	0	0	0	733.80365	733.89996	733.79998	11.56311	11.8	11.3	13.71675	14	13.5	8.84034	8.92197	8.75573	2.15364	2.4	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 06:29:52	0	0	0	733.80969	733.89996	733.79998	11.57986	11.7	11.3	13.66372	13.9	13.5	8.85948	8.94968	8.75573	2.08386	2.4	1.89999	24.00155	0	24	220424908	4050110	79
08/23/2017 06:34:52	0	0	0	733.89996	733.89996	733.89996	11.6034	11.7	11.3	13.63761	13.9	13.4	8.80844	8.89426	8.72802	2.03421	2.4	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 06:39:52	0	0	0	733.89996	733.89996	733.89996	11.59929	11.8	11.3	13.48591	13.7	13.3	8.86014	8.94968	8.78344	1.88662	2.2	1.6	24.00155	0	24	220424908	4050110	79
08/23/2017 06:44:52	0	0	0	733.89996	733.89996	733.89996	11.59929	11.8	11.3	13.48591	13.7	13.3	8.86014	8.94968	8.78344	1.88662	2.2	1.6	24.00155	0	24	220424908	4050110	79
08/23/2017 06:49:52	0	0	0	733.89996	733.89996	733.89996	11.61946	11.7	11.5	13.36711	13.6	13.1	8.86953	8.92197	8.81114	1.74764	2	1.39999	24.00155	0	24	220424908	4050110	79
08/23/2017 06:54:52	0	0	0	733.89996	733.89996	733.89996	11.59326	11.8	11.3	13.28795	13.4	13	8.89017	8.97739	8.83885	1.69468	2	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 06:59:52	0	0	0	733.89996	733.89996	733.89996	11.58587	11.7	11.3	13.13552	13.4	13	8.87603	8.92197	8.81114	1.54964	1.8	1.39999	24.00155	0	24	220424908	4050110	79
08/23/2017 07:04:52	0	0	0	733.91473	734	733.89996	11.51611	11.7	11.3	13.13015	13.4	13	8.84863	8.92197	8.75573	1.61404	2.1	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 07:09:52	0	0	0	733.99701	734	733.89996	11.5362	11.7	11.2	13.1336	13.4	13	8.8079	8.89426	8.72802	1.5974	2.1	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 07:14:52	0	0	0	734.03283	734.09997	734	11.53288	11.7	11.3	13.20404	13.4	13	8.78985	8.86656	8.72802	1.67116	2.1	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 07:19:52	0	0	0	734.09692	734.09997	734	11.53956	11.7	11.2	13.23617	13.5	13	8.77831	8.86656	8.72802	1.69661	2	1.39999	24.00155	0	24	220424908	4050110	79
08/23/2017 07:24:52	0	0	0	734.09997	734.09997	734.09997	11.53216	11.7	11.3	13.26448	13.5	13	8.79188	8.86656	8.72802	1.73232	2.1	1.39999	24.00155	0	24	220424908	4050110	79
08/23/2017 07:29:52	0	0	0	734.09997	734.09997	734.09997	11.56304	11.7	11.3	13.28181	13.5	13	8.78528	8.86656	8.72802	1.71876	2.2	1.39999	24.00155	0	24	220424908	4050110	79
08/23/2017 07:34:52	0	0	0	734.09997	734.09997	734.09997	11.63957	11.8	11.3	13.45969	13.6	13.1	8.78725	8.86656	8.72802	1.82012	2.1	1.5	24.00155	0	24	220424908	4050110	79
08/23/2017 07:39:52	0	0	0	734.10199	734.20001	734.09997	11.71271	11.9	11.6	13.6281	13.9	13.5	8.79889	8.86656	8.72802	1.91539	2.1	1.69999	24.00155	0	24	220424908	4050110	79
08/23/2017 07:44:52	0	0	0	734.15905	734.20001	734.09997	11.7786	11.9	11.5	13.63022	13.9	13.5	8.75247	8.81114	8.72802	1.85162	2.19999	1.6	24.00155	0	24	220424908	4050110	79
08/23/2017 07:49:52	0	0	0	734.20001	734.20001	734.20001	11.82614	12.1	11.6	13.62013	13.9	13.4	8.74252	8.81114	8.70031	1.79399	2.19999	1.6	24.00155	0	24	220424908	4050110	79
08/23/2017 07:54:52	0	0	0	734.20001	734.20001	734.20001	11.92086	12.1	11.7	13.81802	14.1	13.5	8.72774	8.75573	8.70031	1.89715	2.3	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 07:59:52	0	0	0	734.2091	734.29998	734.20001	11.99403	12.3	11.7	13.97387	14.3	13.7	8.73898	8.78344	8.72802	1.97984	2.3	1.6	24.00155	0	24	220424908	4050110	79
08/23/2017 08:04:52	0	0	0	734.2091	734.29998	734.20001	11.99403	12.3	11.7	13.97387	14.3	13.7	8.73898	8.78344	8.72802	1.97984	2.39999	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 08:09:52	0	0	0	734.25903	734.29998	734.20001	12.20335	12.4	11.9	14.16114	14.6	13.7	8.74679	8.81114	8.72802	1.95778	2.5	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 08:14:52	0	0	0	734.25903	734.29998	734.20001	12.20335	12.4	11.9	14.16114	14.6	13.7	8.74679	8.81114	8.72802	1.95778	2.5	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 08:19:52	0	0	0	734.26709	734.29998	734.20001	12.27985	12.5	12.1	14.09664	14.3	13.9	8.74169	8.83885	8.72802	1.81679	2.19999	1.5	24.00155	0	24	220424908	4050110	79
08/23/2017 08:24:52	0	0	0	734.302	734.39996	734.29998	12.34701	12.7	12.1	14.37366	14.8	13.9	8.72886	8.75573	8.72802	2.02665	2.5	1.6	24.00155	0	24	220424908	4050110	79
08/23/2017 08:29:52	0	0	0	734.31305	734.39996	734.29998	12.43813	12.7	12.2	14.52806	14.8	14.1	8.72802	8.75573	8.70031	2.08992	2.5	1.59999	24.00155	0	24	220424908	4050110	79
08/23/2017 08:34:52	0	0	0	734.30603	734.39996	734.29998	12.5	12.8	12.3	14.78126	15.19999	14.5	8.7283	8.75573	8.72802	2.28126	2.8	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 08:39:52	0	0	0	734.33953	734.39996	734.29998	12.7403	12.9	12.5	15.20531	15.4	14.8	8.7269	8.72802	8.70031	2.46501	2.9	2.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 08:44:52	0	0	0	734.3919	734.5	734.29998	12.87316	13	12.7	15.19666	15.4	14.8	8.72746	8.72802	8.70031	2.32349	2.69999	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 08:49:52	0	0	0	734.3919	734.5	734.29998	12.87316	13	12.7	15.19666	15.4	14.8	8.72746	8.72802	8.70031	2.32349	2.69999	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 08:54:52	0	0	0	734.40258	734.5	734.39996	12.99328	13.3	12.8	15.65896	16	15.19999	8.72766	8.72802	8.70031	2.66567	3.1	2.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 08:59:52	0	0	0	734.41107	734.5	734.39996	13.18247	13.4	13	15.77168	16.1	15.4	8.71825	8.72802	8.64489	2.58921	3	2.1	24.00155	0	24	220424908	4050110	79
08/23/2017 09:04:52	0	0	0	734.47375	734.59997	734.39996	13.39064	13.6	13.3	16.27842	16.6	15.9	8.68002	8.75573	8.53406	2.88777	3.3	2.3	24.00155	0	24	220424908	4050110	79
08/23/2017 09:09:52	0	0	0	734.44696	734.5	734.39996	13.91269	14.1	13.6	16.547	17	16.1	8.59282	8.64489	8.58948	2.63431	3.1	2.1	24.00155	0	24	220424908	4050110	79
08/23/2017 09:14:52	0	0	0	734.505	734.59997	734.39996	14.09592	14.2	14	16.59257	17.1	16.3	8.58438	8.58948	8.50636	2.49665	3	2.3	24.00155	0	24	220424908	4050110	79
08/23/2017 09:19:52	0	0	0	734.505	734.59997	734.39996	14.09592	14.2	14	16.59257	17.1	16.3	8.58438	8.58948	8.50636	2.49665	3.09999	1.9	24.00155	0	24	220424908	4050110	79

08/23/2017 09:24:52	0	0	0	734.53991	734.59997	734.5	14.26973	14.6	14.1	16.87911	17.3	16.5	8.57133	8.58948	8.50636	2.60937	3.09999	1.9	24.00155	0	24	220424908	4050110	79
08/23/2017 09:29:52	0	0	0	734.51678	734.59997	734.5	14.51946	14.7	14.2	16.97911	17.5	16.6	8.57265	8.61718	8.50636	2.45966	2.9	1.99999	24.00155	0	24	220424908	4050110	79
08/23/2017 09:34:52	0	0	0	734.5238	734.59997	734.5	14.75416	15.1	14.5	17.34178	17.69999	17	8.54843	8.61718	8.45094	2.58762	2.99999	2	24.00155	0	24	220424908	4050110	79
08/23/2017 09:39:52	0	0	0	734.53888	734.59997	734.5	15.06161	15.3	14.7	17.39254	17.8	16.69999	8.49519	8.58948	8.45094	2.33093	2.8	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 09:44:52	0	0	0	734.58886	734.59997	734.5	15.28321	15.5	14.9	17.50191	17.69999	17.1	8.49831	8.58948	8.42323	2.21869	2.8	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 09:49:52	0	0	0	734.59997	734.59997	734.59997	15.75635	16	15.5	18.20336	18.5	17.8	8.35678	8.45094	8.3124	2.44701	2.9	2.09999	24.00155	0	24	220424908	4050110	79
08/23/2017 09:54:52	0	0	0	734.64935	734.70001	734.59997	15.97689	16.4	15.7	18.48287	19.1	18.1	8.32579	8.36781	8.3124	2.50597	3.1	2	24.00155	0	24	220424908	4050110	79
08/23/2017 09:59:52	0	0	0	734.651	734.70001	734.59997	16.24888	16.4	15.9	18.71449	19.1	18.1	8.31602	8.36781	8.3124	2.46561	3.2	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 10:04:52	0	0	0	734.651	734.70001	734.59997	16.24888	16.4	15.9	18.71449	19.1	18.1	8.31602	8.36781	8.3124	2.46561	3.2	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 10:09:52	0	0	0	734.67987	734.70001	734.59997	16.50184	16.7	16.3	18.97464	19.1	18.8	8.29914	8.34011	8.17385	2.47279	2.7	2.09999	24.00155	0	24	220424908	4050110	79
08/23/2017 10:14:52	0	0	0	734.69397	734.70001	734.59997	16.77909	17	16.5	19.06305	19.4	18.69999	8.20093	8.3124	8.14615	2.28395	2.5	1.99999	24.00155	0	24	220424908	4050110	79
08/23/2017 10:19:52	0	0	0	734.67987	734.70001	734.59997	17.09366	17.5	16.9	19.2735	19.9	18.8	8.17804	8.20156	8.17385	2.17983	2.9	1.69999	24.00155	0	24	220424908	4050110	79
08/23/2017 10:24:52	0	0	0	734.66272	734.70001	734.59997	17.34486	17.7	17.1	19.75365	20.1	19.4	8.18041	8.20156	8.11844	2.40879	3	1.9	24.00155	0	24	220424908	4050110	79
08/23/2017 10:29:52	0	0	0	734.63324	734.70001	734.59997	17.59994	17.9	17.3	19.81525	20.19999	19.5	8.12298	8.20156	8.03532	2.2153	2.6	1.89999	24.00155	0	24	220424908	4050110	79
08/23/2017 10:34:52	0	0	0	734.61108	734.70001	734.59997	17.88652	18.2	17.7	20.10258	20.5	19.6	8.07434	8.17385	8.00761	2.21605	2.69999	1.7	24.00155	0	24	220424908	4050110	79
08/23/2017 10:39:52	0	0	0	734.59997	734.59997	734.59997	18.17913	18.5	17.9	20.43476	20.69999	20	8.07831	8.17385	7.9799	2.25563	2.7	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 10:44:52	0	0	0	734.59698	734.59997	734.5	18.4463	18.8	18.2	20.57908	20.8	20.19999	8.00789	8.11844	7.89678	2.13278	2.49999	1.59999	24.00155	0	24	220424908	4050110	79
08/23/2017 10:49:52	0	0	0	734.50769	734.59997	734.5	18.69141	18.9	18.4	20.62202	20.9	20.19999	7.95987	8.06303	7.89678	1.93061	2.3	1.59999	24.00155	0	24	220424908	4050110	79
08/23/2017 10:54:52	0	0	0	734.5	734.5	734.5	18.92614	19	18.7	21.03874	21.4	20.69999	7.92525	8.03532	7.89678	2.1126	2.59999	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 10:59:52	0	0	0	734.39502	734.5	734.29998	19.52613	19.7	19.3	21.39743	21.8	21.1	7.89203	7.89678	7.84136	1.8713	2.3	1.5	24.00155	0	24	220424908	4050110	79
08/23/2017 11:04:52	0	0	0	734.39502	734.5	734.29998	19.52613	19.7	19.3	21.39743	21.8	21.1	7.89203	7.89678	7.84136	1.8713	2.3	1.5	24.00155	0	24	220424908	4050110	79
08/23/2017 11:09:52	0	0	0	734.33593	734.39996	734.29998	19.72536	20	19.5	21.69252	21.9	21.3	7.85964	7.89678	7.75824	1.96716	2.4	1.5	24.00155	0	24	220424908	4050110	79
08/23/2017 11:14:52	0	0	0	734.31048	734.39996	734.20001	20.00857	20.2	19.9	21.75412	22.1	21.4	7.84199	7.92449	7.75824	1.74555	2	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 11:19:52	0	0	0	734.24231	734.29998	734.20001	20.21601	20.3	20	21.95404	22.3	21.8	7.79369	7.92449	7.73053	1.73802	2	1.49999	24.00155	0	24	220424908	4050110	79
08/23/2017 11:24:52	0	0	0	734.20001	734.20001	734.20001	20.52278	20.8	20.2	22.85562	23.3	22	7.744	7.75824	7.67512	2.33284	2.8	1.5	24.00155	0	24	220424908	4050110	79
08/23/2017 11:29:52	0	0	0	734.18432	734.20001	734.09997	20.78581	21.1	20.6	23.00106	23.5	22.6	7.64868	7.75824	7.48116	2.21524	2.6	1.8	24.00155	0	24	220424908	4050110	79
08/23/2017 11:34:52	0	0	0	734.09997	734.09997	734.09997	21.39925	21.7	21.2	22.93799	23.19999	22.6	7.75935	7.78595	7.75824	1.53874	1.89999	1.1	24.00155	0	24	220424908	4050110	79
08/23/2017 11:39:52	0	0	0	734.05102	734.09997	734	21.68655	21.9	21.5	23.28682	23.8	23	7.76522	7.78595	7.75824	1.60026	2.09999	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 11:44:52	0	0	0	734.00561	734.09997	734	21.93386	22.3	21.8	23.70929	24.3	23.3	7.77394	7.81366	7.75824	1.77543	2.3	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 11:49:52	0	0	0	734.00561	734.09997	734	21.93386	22.3	21.8	23.70929	24.3	23.3	7.77394	7.81366	7.75824	1.77543	2.1	1.39999	24.00155	0	24	220424908	4050110	79
08/23/2017 11:54:52	0	0	0	734.00604	734.09997	734	22.22534	22.4	22	23.97159	24.3	23.6	7.79544	7.86907	7.75824	1.74625	2	1.59999	24.00155	0	24	220424908	4050110	79
08/23/2017 11:59:52	0	0	0	734.02673	734.09997	734	22.49251	22.6	22.3	24.2664	24.5	24.1	7.81276	7.92449	7.78595	1.77389	2	1.59999	24.00155	0	24	220424908	4050110	79
08/23/2017 12:04:52	0	0	0	734.08081	734.09997	734	22.87235	23	22.5	24.23203	24.5	23.8	7.79274	7.89678	7.70282	1.35968	1.69999	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 12:09:52	0	0	0	734.07782	734.09997	734	23.11941	23.3	22.9	24.78163	25	24.5	7.79111	7.95219	7.67512	1.66222	2	1.39999	24.00155	0	24	220424908	4050110	79
08/23/2017 12:14:52	0	0	0	734.0581	734.09997	734	23.37732	23.6	23.2	25.06978	25.4	24.8	7.83668	7.92449	7.78595	1.69246	2.09999	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 12:19:52	0	0	0	734.04431	734.09997	734	23.67392	23.9	23.5	24.98083	25.3	24.69999	7.81987	7.92449	7.75824	1.30691	1.8	0.99999	24.00155	0	24	220424908	4050110	79
08/23/2017 12:24:52	0	0	0	734.08014	734.09997	734	23.93799	24.2	23.8	25.69999	26	25.3	7.7918	7.95219	7.67512	1.762	2.19999	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 12:29:52	0	0	0	734.05664	734.09997	734	24.21261	24.4	23.9	25.6093	26	25	7.80164	7.95219	7.67512	1.39669	2.1	0.69999	24.00155	0	24	220424908	4050110	79
08/23/2017 12:34:52	0	0	0	733.99493	734	733.89996	24.76306	24.9	24.5	26.39742	27.1	26	7.84688	7.95219	7.78595	1.63435	2.3	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 12:39:52	0	0	0	733.99493	734	733.89996	24.76306	24.9	24.5	26.39742	27.1	26	7.84688	7.95219	7.78595	1.63435	2.3	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 12:44:52	0	0	0	733.98333	734	733.89996	25.00593	25.1	24.9	26.61007	26.8	26.3	7.84444	7.95219	7.75824	1.60413	1.9	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 12:49:52	0	0	0	733.91607	734	733.89996	25.29662	25.5	25.1	26.81598	27.1	26.3	7.85382	7.95219	7.73053	1.51936	2	0.99999	24.00155	0	24	220424908	4050110	79
08/23/2017 12:54:52	0	0	0	733.89996	733.89996	733.89996	25.54723	25.9	25.3	27.17253	27.69999	26.9	7.84604	7.9799	7.81366	1.6253	2.09999	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 12:59:52	0	0	0	733.89996	733.89996	733.89996	25.88576	26.1	25.6	27.69326	28	27.3	7.8117	7.81366	7.78595	1.8075	2.19999	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 13:04:52	0	0	0	733.89996	733.89996	733.89996	26.12271	26.3	25.9	27.77646	28	27.4	7.80471	7.81366	7.70282	1.65374	2	1.09999	24.00155	0	24	220424908	4050110	79
08/23/2017 13:09:52	0	0	0	733.89996	733.89996	733.89996	26.46561	26.6	26.2	28.15987	28.6	27.8	7.80298	7.81366	7.75824	1.69426	2.1	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 13:14:52	0	0	0	733.87072	733.89996	733.79998	27.01185	27.2	26.8	28.56224	29	28.3	7.77779	7.81366	7.67512	1.55038	2.19999	1.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 13:19:52	0	0	0	733.76214	733.89996	733.59997	27.27648	27.5	27.2	28.24208	28.6	27.69999	7.76975	7.84136	7.67512	0.96559	1.4	0.39999	24.00155	0	24	220424908	4050110	79
08/23/2017 13:24:52	0	0	0	733.76214	733.89996	733.59997	27.27648	27.5	27.2	28.24208	28.6	27.69999	7.76975	7.84136	7.67512	0.96559	1.3	0.49999	24.00155	0	24	220424908	4050110	79
08/23/2017 13:29:52	0	0	0	733.682	733.89996	733.5	27.46975	27.8	27.3	28.42016	28.69999	28	7.75443	7.84136	7.67512	0.9504	1.3	0.49999	24.00155	0	24	220424908	4050110	79
08/23/2017 13:34:52	0	0	0	733.58923	733.79998	733.5	27.72526	27.9	27.5	28.73118	29.1	28.3	7.74974	7.84136	7.67512	1.00592	1.6	0.59999	24.00155	0	24	220424908	4050110	79
08/23/2017 13:39:52	0	0	0	733.52636	733.79998	733.39996	27.932	28.1	27.8	29.00507	29.3	28.69999	7.70087	7.81366	7.64741	1.07307	1.4	0.69999	24.00155	0	24	220424908	4050110	79
08/23/2017 13:44:52	0	0	0	733.5039	733.59997	733.39996	28.18235	28.3	28	29.51515	29.9	29.19999	7.68378	7.78595	7.56428	1.3328	1.8	0.99999	24.00155	0	24	220424908	4050110	79
08/23/2017 13:49:52	0	0	0	733.52679	733.70001	733.29998	28.41263	28.6	28.3	29.5933	29.9	29.3	7.6341	7.73053	7.53658	1.18067	1.5	0.8	24.00155	0	24	220424908	4050110	79
08/23/2017 13:54:52	0	0	0	733.37823	733.5	733.29998	28.83616	29	28.5	29.31771	29.6	29	7.6263	7.70282	7.53658	0.48154	1	0.1	24.00155	0	24	220424908	4050110	79
08/23/2017 13:59:52	0	0	0	733.37823	733.5	733.29998	28.83616	29	28.5	29.31771	29.6	29	7.6263	7.70282	7.53658	0.48154	1	0.1	24.00155	0	24	220424908	4050110	79
08/23/2017 14:04:52	0	0	0	733.30706	733.39996	733.29998	28.94288	29.1	28.6	29.71429	30.3	29.19999	7.62042	7.73053	7.53658	0.77141	1.4	0.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 14:09:52	0	0	0	733.27832	733.29998	733.20001	29.14541	29.3	29	29.96045	30.3	29.6	7.62204	7.70282	7.53658	0.81504	1.1	0.4	24.00155	0	24	220424908	4050110	79
08/23/2017 14:14:52	0	0	0	733.24188	733.29998	733.20001	29.3185	29.5	29.19999	29.98911	30.3	29.69999	7.63546	7.70282	7.53658	0.6706	1.1	0.19999	24.00155	0	24	220424908	4050110	79
08/23/2017 14:19:52	0	0	0	733.242	733.29998	733.20001	29.55633	29.8	29.3	29.61523	30.19999	29.1	7.60445	7.67512	7.53658	0.24033	0.6	0	24.00155	0	24	220424908	4050110	79
08/23/2017 14:24:52	0	0	0	733.22284	733.29998	733.20001	29.63531	29.8	29.5	30.05551	30.4	29.69999	7.58043	7.67512	7.50887	0.42019	0.8	0	24.00155	0	24	220424908	4050110	79
08/23/2017 14:29:52	0	0	0	733.20068	733.29998	733.20001	29.88658	30.19999	29.8	30.01175	30.3	29.6	7.5749	7.67512	7.48116	0.20578	0.49999	0	24.00155	0	24	220424908	4050110	79
08/23/2017 14:34:52	0	0	0	733.1983	733.29998	733.09997	29.96387	30.19999	29.8	30.3403	30.69999	29.9	7.55193	7.6197	7.50887	0.37642	0.8	0	24.00155	0	24	220424908	4050110	79
08/23/2017 14:39:52	0	0	0	733.1983	733.29998	733.09997	29.96387	30.19999	29.8	30.3403	30.69999	29.9	7.55193	7.6197	7.50887	0.37642	0.49999	0	24.00155	0	24	220424908	4050110	79
08/23/2017 14:44:52	0	0	0	733.15008	733.20001	733.09997	30.12272	30.3	29.8	30.14204	30.3	29.9	7.52224	7.56428	7.39803	0.15366	0.49999	0	24.00155	0	24	220424908	4050110	79
08/23/2017 14:49:52	0	0	0	733.12316	733.20001	733.09997	30.20925	30.4	29.9	30.10338	30.4	29.8	7.46629	7.53658	7.39803	0.1529	0.4	0	24.00155	0	24	220424908	4050110	79
08/23/2017 14:54:52	0	0	0	733.10101	733.20001	733	30.27311	30.4	30.19999	30.22775	30.69999	29.69999	7.46179	7.53658	7.39803	0.16301	0.7	0	24.00155	0	24	220424908	4050110	79
08/23/2017 14:59:52	0	0	0	733.08789	733.09997	733	30.37313	30.5	30.19999	30.4008	30.8	30.1	7.46038	7.53658	7.39803	0.21426	0.5	0	24.00155	0	24	220424908	4050110	79
08/23/2017 15:04:52	0	0	0	733.07678	733.09997	733	30.36976	30.5	30.19999	30.35795	30.5	30.1	7.46803	7.53658	7.39803	0.11932	0.3	0	24.00155	0	24	220424908	4050110	79
08/23/2017 15:09:52	0	0	0	733.03833	733.09997	733	30.40084	30.5	30.3	30.0605	30.4	29.69999	7.43632	7.53658	7.39803	0.34538	0.6	0	24.00155	0	24	220424908	4050110	79
08/23/2017 15:14:52	0	0	0	733.01715	733.09997	733	30.38318	30.5	30.19999	30.23954	30.69999	29.9	7.40418	7.42574	7.39803	0.25795	0.6	0	24.00155	0	24	220424908	4050110	79
08/23/2017 15:19:52	0	0	0	733.00506	733.09997	733	30.42692	30.69999	30.3	29.9538	30.3	29.6	7.42542	7.50887	7.39803	0.47311	0.8	0.1	24.00155	0	24	220424908	4050110	79
08/23/2017 15:24:52	0	0	0	733.00506	733.09997	733	30.42692	30.69999	30.3	29.9538	30.3	29.6	7.42542	7.50887	7.39803	0.47311	0.8	0.1	24.00155	0	24	220424908	4050110	79
08/23/2017 15:29:52	0	0	0	732.98388	733	732.89996	30.41092	30.69999	30.3	30.09241	30.4	29.8	7.43715	7.50887	7.39803	0.32522	0.6	0	24.00155	0	24	220424908	4050110	79
08/23/2017 15:34:52	0	0	0	732.97631	733	732.89996	30.38405	30.5	30.3	29.99581	30.3	29.3	7.43692	7.50887	7.39803	0.38824	1.1	0.1	24.00155	0	24	220424908	4050110	79
08/23/2017 15:39:52	0	0	0	732.91607	733	732.89996	30.39077	30.5	30.3	30.47394	30.8	30.19999	7.40194	7.45345	7.39803	0.17055	0.49999	0	24.00155	0	24	220424908	4050110	79
08/23/2017 15:44:52	0	0	0	732.90399	733	732.79998	30.38907	30.5	30.3	30.33617	30.9	29.6	7.4011	7.45345	7.39803	0.31512	0.9	0	24.00155	0	24	220424908	4050110	79
08/23/2017 15:49:52	0	0	0	732.87176	733	732.79998	30.39663	30.5	30.3	30.15381	30.4	29.8	7.43449	7.50887	7.39803	0.24953	0.7	0	24.00155	0	24	220424908	4050110	79
08/23/2017 15:54:52	0	0	0	732.80755	732.89996	732.70001	30.38316	30.5	30.19999	29.89913	30.4	29.6	7.4747	7.53658	7.39803	0.48402	0.9	0	24.00155	0	24	220424908	4050110	79
08/23/2017 15:59:52	0	0	0	732.80755	732.89996	732.70001	30.38316	30.5	30.19999	29.89913	30.4	29.6	7.4747	7.53658	7.39803	0.48402	0.5	0	24.00155	0	24	220424908	4050110	79
08/23/2017 16:04:52	0	0	0	732.73291	732.89996	732.70001	30.35127	30.5	30.19999	30.23281	30.69999	29.9	7.49951	7.53658	7.39803	0.15207	0.8	0	24.00155	0	24	220424908	4050110	79
08/23/2017 16:09:52	0	0	0	732.73291	732.89996	732.70001	30.3563	30.5	30.19999	30.08565	30.4	29.6	7.47117	7.53658	7.39803	0.28409	0.8	0	24.00155	0	24	220424908	4050110	79
08/23/2017 16:14:52	0	0	0	732.71716	732.79998	732.70001	30.32691	30.4	30.19999	30.1588	30.4	29.69999	7.4752	7.53658	7.39803	0.17484	0.6	0	24.00155	0	24	220424908	4050110	79

08/23/2017 16:19:52	0	0	0	732.66015	732.79998	732.59997	30.30336	30.4	30.19999	29.92348	30.19999	29.6	7.505	7.56428	7.42574	0.37987	0.8	0.1	24.00155	0	24	220424908	4050110	79
08/23/2017 16:24:52	0	0	0	732.60907	732.70001	732.59997	30.31346	30.5	30.19999	30.37723	30.69999	30.1	7.57289	7.67512	7.45345	0.15793	0.5	0	24.00155	0	24	220424908	4050110	79
08/23/2017 16:29:52	0	0	0	732.60302	732.70001	732.59997	30.28904	30.4	30.19999	30.30758	30.69999	29.9	7.56624	7.64741	7.53658	0.16969	0.4	0	24.00155	0	24	220424908	4050110	79
08/23/2017 16:34:52	0	0	0	732.60302	732.70001	732.59997	30.31008	30.4	30.19999	30.35131	30.8	30.1	7.54328	7.59199	7.53658	0.18069	0.5	0	24.00155	0	24	220424908	4050110	79
08/23/2017 16:39:52	0	0	0	732.59997	732.59997	732.59997	30.2899	30.5	30.19999	30.23859	30.69999	29.9	7.54073	7.59199	7.50887	0.15718	0.4	0	24.00155	0	24	220424908	4050110	79
08/23/2017 16:44:52	0	0	0	732.5783	732.59997	732.5	30.29574	30.4	30.19999	30.11843	30.69999	29.8	7.52875	7.64741	7.45345	0.2244	0.5	0	24.00155	0	24	220424908	4050110	79
08/23/2017 16:49:52	0	0	0	732.54785	732.59997	732.5	30.25961	30.3	30.1	30.14884	30.4	29.8	7.54838	7.6197	7.53658	0.20493	0.5	0	24.00155	0	24	220424908	4050110	79
08/23/2017 16:54:52	0	0	0	732.54785	732.59997	732.5	30.25961	30.3	30.1	30.14884	30.4	29.8	7.54838	7.6197	7.53658	0.20493	1	0	24.00155	0	24	220424908	4050110	79
08/23/2017 16:59:52	0	0	0	732.49347	732.5	732.39996	30.1975	30.3	29.9	29.88146	30.1	29.69999	7.58773	7.67512	7.53658	0.31604	0.6	0	24.00155	0	24	220424908	4050110	79
08/23/2017 17:04:52	0	0	0	732.49749	732.59997	732.39996	30.19415	30.3	30.1	29.7538	30.3	29.3	7.56313	7.64741	7.53658	0.46052	0.9	0	24.00155	0	24	220424908	4050110	79
08/23/2017 17:09:52	0	0	0	732.49749	732.59997	732.39996	30.19415	30.3	30.1	29.7538	30.3	29.3	7.56313	7.64741	7.53658	0.46052	0.9	0	24.00155	0	24	220424908	4050110	79
08/23/2017 17:14:52	0	0	0	732.48285	732.5	732.39996	30.09166	30.3	29.9	29.71782	30.1	29.19999	7.58479	7.67512	7.53658	0.37383	0.9	0	24.00155	0	24	220424908	4050110	79
08/23/2017 17:19:52	0	0	0	732.47265	732.5	732.39996	29.97731	30.19999	29.8	29.22455	29.6	28.69999	7.55597	7.64741	7.53658	0.75275	1.2	0.3	24.00155	0	24	220424908	4050110	79
08/23/2017 17:24:52	0	0	0	732.42016	732.5	732.39996	29.85377	30.1	29.69999	28.84447	29.1	28.6	7.60984	7.67512	7.53658	1.0093	1.4	0.69999	24.00155	0	24	220424908	4050110	79
08/23/2017 17:29:52	0	0	0	732.39996	732.39996	732.39996	29.7428	29.9	29.6	28.56738	29.19999	28.1	7.60593	7.67512	7.53658	1.17541	1.7	0.6	24.00155	0	24	220424908	4050110	79
08/23/2017 17:34:52	0	0	0	732.39691	732.39996	732.29998	29.35719	29.5	29	28.09414	28.4	27.8	7.61264	7.67512	7.53658	1.26304	1.7	0.7	24.00155	0	24	220424908	4050110	79
08/23/2017 17:39:52	0	0	0	732.39691	732.39996	732.29998	29.35719	29.5	29	28.09414	28.4	27.8	7.61264	7.67512	7.53658	1.26304	1.7	0.7	24.00155	0	24	220424908	4050110	79
08/23/2017 17:44:52	0	0	0	732.39795	732.39996	732.29998	29.11771	29.3	28.9	27.93788	28.3	27.69999	7.58619	7.67512	7.53658	1.17982	1.5	0.9	24.00155	0	24	220424908	4050110	79
08/23/2017 17:49:52	0	0	0	732.37878	732.39996	732.29998	28.95382	29.19999	28.6	27.61254	27.8	27.3	7.58693	7.67512	7.53658	1.34128	1.8	1.1	24.00155	0	24	220424908	4050110	79
08/23/2017 17:54:52	0	0	0	732.33191	732.39996	732.29998	28.68408	29	28.5	27.45784	27.69999	27.19999	7.61694	7.67512	7.50887	1.22624	1.6	0.8	24.00155	0	24	220424908	4050110	79
08/23/2017 17:59:52	0	0	0	732.30804	732.39996	732.29998	28.48833	28.6	28.3	27.54211	27.8	27.1	7.59988	7.67512	7.50887	0.94621	1.4	0.6	24.00155	0	24	220424908	4050110	79
08/23/2017 18:04:52	0	0	0	732.29895	732.39996	732.20001	28.2697	28.5	28.1	26.94032	27.3	26.69999	7.62331	7.67512	7.53658	1.32937	1.6	0.8	24.00155	0	24	220424908	4050110	79
08/23/2017 18:09:52	0	0	0	732.28137	732.29998	732.20001	28.00425	28.3	27.9	26.91184	27.4	26.6	7.63626	7.75824	7.50887	1.09241	1.3	0.6	24.00155	0	24	220424908	4050110	79
08/23/2017 18:14:52	0	0	0	732.19799	732.20001	732.09997	27.52781	27.8	27.4	26.56569	26.9	26.3	7.69642	7.81366	7.64741	0.96212	1.4	0.6	24.00155	0	24	220424908	4050110	79
08/23/2017 18:19:52	0	0	0	732.20098	732.29998	732.20001	27.52781	27.8	27.4	26.56569	26.9	26.3	7.69642	7.81366	7.64741	0.96212	1.4	0.6	24.00155	0	24	220424908	4050110	79
08/23/2017 18:24:52	0	0	0	732.20098	732.29998	732.20001	27.33026	27.5	27.1	26.2168	26.69999	26	7.68882	7.78595	7.64741	1.11345	1.4	0.6	24.00155	0	24	220424908	4050110	79
08/23/2017 18:29:52	0	0	0	732.19897	732.20001	732.09997	27.05541	27.3	26.8	25.99328	26.3	25.69999	7.66791	7.75824	7.64741	1.06213	1.5	0.6	24.00155	0	24	220424908	4050110	79
08/23/2017 18:34:52	0	0	0	732.19799	732.20001	732.09997	26.80922	27.2	26.5	25.98991	26.3	25.69999	7.6804	7.78595	7.64741	0.8193	1.2	0.3	24.00155	0	24	220424908	4050110	79
08/23/2017 18:39:52	0	0	0	732.16931	732.20001	732.09997	26.58989	26.8	26.5	25.73697	26	25.6	7.68135	7.75824	7.64741	0.85292	1.2	0.5	24.00155	0	24	220424908	4050110	79
08/23/2017 18:44:52	0	0	0	732.11004	732.20001	732.09997	26.40426	26.6	26.1	25.65899	26.1	25.3	7.70783	7.81366	7.64741	0.74527	1	0.4	24.00155	0	24	220424908	4050110	79
08/23/2017 18:49:52	0	0	0	732.10302	732.20001	732.09997	26.17493	26.5	25.9	25.2076	25.5	24.8	7.68599	7.75824	7.64741	0.96733	1.3	0.7	24.00155	0	24	220424908	4050110	79
08/23/2017 18:54:52	0	0	0	732.09997	732.09997	732.09997	25.9168	26.2	25.5	24.86728	25.1	24.5	7.69298	7.78595	7.64741	1.04952	1.5	0.5	24.00155	0	24	220424908	4050110	79
08/23/2017 18:59:52	0	0	0	732.06872	732.09997	732	25.66147	26	25.4	24.54463	24.8	24.3	7.70479	7.78595	7.64741	1.11684	1.5	0.8	24.00155	0	24	220424908	4050110	79
08/23/2017 19:04:52	0	0	0	732.06268	732.09997	732	25.39575	25.6	24.9	24.24127	24.4	24.1	7.68937	7.78595	7.6197	1.15447	1.4	0.7	24.00155	0	24	220424908	4050110	79
08/23/2017 19:09:51	0	0	0	732.04345	732.09997	732	25.16057	25.4	24.9	24.00852	24.19999	23.69999	7.66639	7.78595	7.6197	1.15205	1.5	0.8	24.00155	0	24	220424908	4050110	79
08/23/2017 19:14:52	0	0	0	732.00402	732.09997	732	24.57675	24.9	24.2	23.14955	23.3	23	7.75152	7.78595	7.64741	1.4272	1.7	1	24.00155	0	24	220424908	4050110	79
08/23/2017 19:19:52	0	0	0	732.00805	732.09997	732	24.2162	24.5	23.9	22.68166	23.1	22.5	7.69101	7.78595	7.6197	1.53453	1.9	1.2	24.00155	0	24	220424908	4050110	79
08/23/2017 19:24:52	0	0	0	732.00805	732.09997	732	24.2162	24.5	23.9	22.68166	23.1	22.5	7.69101	7.78595	7.6197	1.53453	2.1	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 19:29:52	0	0	0	732.03442	732.09997	732	23.84556	24.2	23.5	22.17093	22.4	21.69999	7.64654	7.75824	7.56428	1.67463	2.1	1.5	24.00155	0	24	220424908	4050110	79
08/23/2017 19:34:52	0	0	0	732.10443	732.20001	732.09997	23.10094	23.3	22.7	21.31343	21.5	21.1	7.51138	7.73053	7.39803	1.78751	2.1	1.5	24.00155	0	24	220424908	4050110	79
08/23/2017 19:39:52	0	0	0	732.10443	732.20001	732.09997	23.10094	23.3	22.7	21.31343	21.5	21.1	7.51138	7.73053	7.39803	1.78751	2.1	1.5	24.00155	0	24	220424908	4050110	79
08/23/2017 19:44:52	0	0	0	732.15258	732.20001	732.09997	22.66151	23	22.4	20.95228	21.4	20.69999	7.57859	7.6197	7.45345	1.70923	2.1	1.3	24.00155	0	24	220424908	4050110	79
08/23/2017 19:49:52	0	0	0	732.20404	732.29998	732.20001	22.22203	22.5	21.9	20.53887	21.1	20.1	7.60236	7.6197	7.59199	1.68316	2.1	1.2	24.00155	0	24	220424908	4050110	79
08/23/2017 19:54:52	0	0	0	732.21356	732.29998	732.20001	21.81295	22	21.5	20.00954	20.3	19.69999	7.60375	7.64741	7.59199	1.80341	2.2	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 19:59:52	0	0	0	732.27612	732.29998	732.20001	21.31046	21.5	20.9	19.58751	20	19.3	7.65745	7.75824	7.59199	1.72294	2	1.4	24.00155	0	24	220424908	4050110	79
08/23/2017 20:04:52	0	0	0	732.37555	732.5	732.29998	20.91434	21.3	20.7	19.50918	19.69999	19.4	7.68858	7.75824	7.59199	1.40516	1.9	1.2	24.00155	0	24	220424908	4050110	79
08/23/2017 20:09:51	0	0	0	732.50341	732.59997	732.5	20.54224	20.8	20.2	19.44952	19.69999	19.1	7.76669	7.86907	7.64741	1.09272	1.3	0.7	24.00155	0	24	220424908	4050110	79
08/23/2017 20:14:52	0	0	0	732.604	732.70001	732.59997	20.14474	20.3	20	19.18751	19.4	18.9	7.82483	7.89678	7.73053	0.95722	1.2	0.7	24.00155	0	24	220424908	4050110	79
08/23/2017 20:19:51	0	0	0	732.68219	732.70001	732.59997	19.77251	20	19.5	18.79756	19.1	18.4	7.79992	7.89678	7.73053	0.97495	1.3	0.7	24.00155	0	24	220424908	4050110	79
08/23/2017 20:24:51	0	0	0	732.70001	732.70001	732.70001	19.38263	19.7	19	18.59909	18.9	18.3	7.87916	8.00761	7.75824	0.78354	1.1	0.3	24.00155	0	24	220424908	4050110	79
08/23/2017 20:29:52	0	0	0	732.70001	732.70001	732.70001	18.78261	18.9	18.5	18.02877	18.4	17.69999	7.95388	8.03532	7.86907	0.75383	1	0.5	24.00155	0	24	220424908	4050110	79
08/23/2017 20:34:52	0	0	0	732.70001	732.70001	732.70001	18.47831	18.8	18.3	17.61441	17.8	17.3	7.9819	8.03532	7.89678	0.8639	1.4	0.6	24.00155	0	24	220424908	4050110	79
08/23/2017 20:39:51	0	0	0	732.70001	732.70001	732.70001	18.47831	18.8	18.3	17.61441	17.8	17.3	7.9819	8.03532	7.89678	0.8639	1.4	0.6	24.00155	0	24	220424908	4050110	79
08/23/2017 20:44:51	0	0	0	732.70105	732.79998	732.70001	18.20617	18.5	17.9	17.35195	17.6	17.1	8.02217	8.03532	7.92449	0.85422	1.1	0.4	24.00155	0	24	220424908	4050110	79
08/23/2017 20:49:52	0	0	0	732.75891	732.79998	732.70001	17.89419	18.2	17.6	17.41587	17.69999	17.1	8.02497	8.03532	7.95219	0.48505	0.9	0.09999	24.00155	0	24	220424908	4050110	79
08/23/2017 20:54:52	0	0	0	732.79998	732.79998	732.79998	17.64953	17.9	17.3	17.1269	17.5	16.9	8.02749	8.03532	7.9799	0.52263	0.9	0.2	24.00155	0	24	220424908	4050110	79
08/23/2017 20:59:52	0	0	0	732.79998	732.79998	732.79998	17.48941	17.7	17.2	17.14522	17.5	16.9	8.02159	8.03532	8.00761	0.34902	0.7	0	24.00155	0	24	220424908	4050110	79
08/23/2017 21:04:52	0	0	0	732.79998	732.79998	732.79998	17.26728	17.5	17	17.11104	17.3	17	8.03256	8.09074	8.00761	0.16971	0.5	0	24.00155	0	24	220424908	4050110	79
08/23/2017 21:09:51	0	0	0	732.79998	732.79998	732.79998	17.05716	17.3	16.9	16.97261	17.3	16.69999	8.04513	8.11844	8.00761	0.11148	0.3	0	24.00155	0	24	220424908	4050110	79
08/23/2017 21:14:51	0	0	0	732.85083	732.89996	732.79998	16.81109	17	16.6	16.87215	17.1	16.6	8.00901	8.03532	8.00761	0.16872	0.5	0	24.00155	0	24	220424908	4050110	79
08/23/2017 21:19:52	0	0	0	732.93902	733	732.89996	16.50531	16.7	16.3	16.8312	17.1	16.5	8.02582	8.09074	8.00761	0.32589	0.6	0	24.00155	0	24	220424908	4050110	79
08/23/2017 21:24:52	0	0	0	732.93902	733	732.89996	16.50531	16.7	16.3	16.8312	17.1	16.5	8.02582	8.09074	8.00761	0.32589	1.1	0.09999	24.00155	0	24	220424908	4050110	79
08/23/2017 21:29:52	0	0	0	732.79492	732.79998	732.70001	16.09085	16.4	15.9	17.15046	17.3	17	8.20973	8.3124	8.14615	1.0596	1.3	0.6	24.00155	0	24	220424908	4050110	79
08/23/2017 21:34:52	0	0	0	732.73602	732.79998	732.70001	15.95049	16.1	15.8	17.07307	17.19999	17	8.28746	8.3124	8.22927	1.12258	1.3	1	24.00155	0	24	220424908	4050110	79
08/23/2017 21:39:52	0	0	0	732.71252	732.79998	732.70001	15.8471	16	15.7	17.05963	17.3	16.69999	8.29897	8.3124	8.25698	1.21253	1.59999	0.8	24.00155	0	24	220424908	4050110	79
08/23/2017 21:44:52	0	0	0	732.70306	732.79998	732.70001	15.74615	15.9	15.5	17.17165	17.3	17	8.31128	8.3124	8.28469	1.21253	1.6	1.1	24.00155	0	24	220424908	4050110	79
08/23/2017 21:49:52	0	0	0	732.72015	732.79998	732.70001	15.56537	15.8	15.3	17.1976	17.6	17	8.30932	8.3124	8.28469	1.63223	2.1	1.3	24.00155	0	24	220424908	4050110	79
08/24/2017 08:36:16	0	0	0	732.72015	732.79998	732.70001	15.56537	15.8	15.3	17.1976	17.6	17	8.30932	8.3124	8.28469	1.63223	2.2	1.49999	24.00155	0	24	220424908	4050110	79
08/24/2017 08:41:16	0	0	0	731.81237	731.89996	731.70001	13.21878	13.5	12.9	15.04427	15.19999	14.8	9.26582	9.44843	9.17134	1.82548	2.19999	1.49999	24.00155	0	24	220424908	4050110	79
08/24/2017 08:46:16	3.48419	17.92073	0	732.05004	732.20001	731.89996	13.37952	13.6	13.1	15.16789	15.4	14.9	12.82141	29.17652	9.14364	1.78836	2.09999	1.5	0.01998	0.07927	0.02138	220424956	4050310	79
08/24/2017 08:51:16	3.48419	17.92073	0	732.05004	732.20001	731.89996	13.37952	13.6	13.1	15.16789	15.4	14.9	12.82141	29.17652	9.14364	1.78836	2.09999	1.5	0.10338	0.01718	0.10444	220424956	4050310	79
08/24/2017 08:56:16	16.6802	16.71174	16.65463	732.28186	732.39996	732.20001	13.56375	13.9	13.3	15.31674	15.69999	15.1	26.5901	26.71051	26.40572	1.75298	2.3	1.4	0.18677	0.02248	0.18777	220424956	4050310	79
08/24/2017 09:01:16	16.67671	16.71225	16.65363	732.40332	732.5	732.29998	13.62018	13.9	13.4	15.43351	15.8	15.19999	26.67677	26.76592	26.59968	1.81333	2.19999	1.3	0.27015	0.03968	0.27111	220424956	4050310	79
08/24/2017 09:06:16	16.67611	16.71458	16.65114	732.52343	732.59997	732.5	13.65966	13.9	13.4	15.514	15.8	15.19999	26.71804	26.84905	26.62738	1.85433	2.3	1.5	0.35354	0.03443	0.35472	220424956	4050310	79
08/24/2017 09:11:16	16.67738	16.7174	16.63506	732.66876	732.70001	732.59997	13.75161	14	13.4	15.64228	16	15.4	26.81103	26.93217	26.71051	1.89067	2.3	1.5	0.43691	0.03131	0.43777	220424956	4050310	79
08/24/2017 09:16:16	16.67449	16.69511	16.6491	732.72216	732.79998	732.70001	13.88589	14.1	13.6	15.83692	16.1	15.69999	26.86494	26.98759	26.71051	1.95102	2.5	1.69999	0.52029	0.0349	0.52111	220424956	4050310	79
08/24/2017 09:21:16	16.67699	16.70462	16.65227	732.7453	732.79998	732.70001	14.00736	14.2	13.7	16.34615	16.9	15.69999	26.91507	27.04301	26.82134	2.33879	2.9	1.9	0.60368	0.06325	0.60472	220424956	4050310	79
08/24/2017 09:26:16	16.676	16.7109	16.646	732.83117	733	732.79998	14.20336	14.6	14	16.72079	17.1	16.5	26.96545	27.09842	26.87676	2.51743	2.9	1.9	0.68705	0.02236	0.68777	220424956	4050310	79
08/24/2017 09:31:16	16.67577	16.69475	16.65879	732.91906	733	732.89996	14.65701	14.9	14.3	17.12942	17.5	16.9	27.04485	27.18155	26.90447	2.4724	2.9	2.19999	0.77043	0.03109	0.77138	220424956	4050310	79
08/24/2017 09:36:16	16.67577	16.69475	16.65879	732.91906	733	732.89996	14.65701	14.9	14.3	17.12942	17.5	16.9	27.04485	27.18155	26.90447	2.4724	2.9	2.19999	0.85381	0.03031	0.85444	220424956	4050310	79
08/24/2017 09:41:16	16.67449	16.71003	16.64512	732.97082	733	732.89996	14.8879	15.2	14.7	17.37034	17.6	17.1	27.01408	27.12613	26.90447	2.48243	2.8	1.9	0.93717	0.03524	0.93777	220424956	4050310	79
08/24/2017 09:46:16	16.67566	16.70015	16.65402	733.00299	733.09997	733	15.5121	15.8	15.2	17.90522	18.4	17.5	27.03761	27.20925	26.90447	2.39312	2.9	1.89999	1.02055	0.03549	1.02138	220424956	4050310	79
08/24/2017 09:51:16	16.67566	16.70015	16.65402	733.00299	733.09997	733	15.5121	15.8	15.2	17.90522	18.4	17.5	27.03761	27.20925	26.90447	2.39312	2.9	1.89999	1.10392	0.04888	1.10444	220424956	4050310	79

08/24/2017 09:56:16	16.67492	16.70276	16.64411	732.99395	733.09997	732.89996	15.77645	16	15.5	18.08249	18.4	17.69999	27.04365	27.15384	26.90447	2.30603	2.69999	1.9	1.1873	0.02686	1.18777	220424956	4050310	79
08/24/2017 10:01:16	16.67466	16.6965	16.65787	733	733	733	15.98794	16.3	15.8	18.16979	18.4	17.9	27.04645	27.15384	26.95988	2.18184	2.59999	1.8	1.27068	0.04888	1.27138	220424956	4050310	79
08/24/2017 10:06:16	16.6754	16.7028	16.64664	732.98895	733.09997	732.89996	16.53414	16.9	16.4	18.68601	19.1	18.19999	27.01035	27.15384	26.90447	2.15187	2.5	1.59999	1.35405	0.0045	1.35472	220424956	4050310	79
08/24/2017 10:11:16	16.6754	16.7028	16.64664	732.98895	733.09997	732.89996	16.53414	16.9	16.4	18.68601	19.1	18.19999	27.01035	27.15384	26.90447	2.15187	2.6	1.5	1.43743	0.01802	1.43777	220424956	4050310	79
08/24/2017 10:16:16	16.67622	16.69531	16.64788	733.00097	733.09997	733	16.82074	17	16.6	18.80925	19.5	18.3	27.08439	27.15384	26.98759	1.98851	2.6	1.5	1.5208	0.00886	1.52111	220424956	4050310	79
08/24/2017 10:21:16	16.67469	16.69271	16.64648	732.98962	733	732.89996	17.06775	17.3	16.9	19.20065	19.5	19	27.08171	27.18155	26.95988	2.13289	2.4	1.8	1.60417	0.01792	1.60444	220424956	4050310	79
08/24/2017 10:26:16	16.6748	16.71389	16.64896	732.90094	733	732.89996	17.61271	17.9	17.3	19.29446	19.6	19	27.05777	27.20925	26.93217	1.68174	2.3	1.2	1.68755	0.00838	1.68805	220424956	4050310	79
08/24/2017 10:31:16	16.67525	16.69871	16.63866	732.90802	733	732.89996	17.8678	18.2	17.6	19.60262	20	19.4	27.072	27.20925	26.95988	1.73482	2.1	1.3	1.77093	0.03138	1.77138	220424956	4050310	79
08/24/2017 10:36:16	16.67525	16.69871	16.63866	732.90802	733	732.89996	17.8678	18.2	17.6	19.60262	20	19.4	27.072	27.20925	26.95988	1.73482	2.1	1.3	1.85431	0.00395	1.85444	220424956	4050310	79
08/24/2017 10:41:16	16.67628	16.70208	16.64336	732.90094	733	732.89996	18.33088	18.7	18.2	20.20344	20.6	19.9	27.03343	27.15384	26.90447	1.87255	2.3	1.5	1.93769	0.03632	1.93805	220424956	4050310	79
08/24/2017 10:46:16	16.67508	16.68855	16.65243	732.90301	733	732.89996	18.60732	18.8	18.4	19.94894	20.19999	19.6	27.05166	27.20925	26.87676	1.34162	1.69999	0.9	2.02106	0.04027	2.02139	220424956	4050310	79
08/24/2017 10:51:16	16.67508	16.68855	16.65243	732.90301	733	732.89996	18.60732	18.8	18.4	19.94894	20.19999	19.6	27.05166	27.20925	26.87676	1.34162	1.69999	0.9	2.10444	0.02209	2.10444	220424956	4050310	79
08/24/2017 10:56:16	16.67587	16.69697	16.64955	732.90094	733	732.89996	18.9301	19.1	18.8	20.43279	20.69999	20.1	27.02121	27.15384	26.87676	1.50269	1.8	1.19999	2.18782	0.08071	2.18805	220424956	4050310	79
08/24/2017 11:01:16	16.67587	16.69697	16.64955	732.90094	733	732.89996	18.9301	19.1	18.8	20.43279	20.69999	20.1	27.02121	27.15384	26.87676	1.50269	1.8	1.19999	2.2712	0.02209	2.27111	220424956	4050310	79
08/24/2017 11:06:16	16.67537	16.69805	16.65275	732.906	733	732.79998	19.16432	19.4	19	20.71479	21.1	20.3	26.94029	27.07071	26.82134	1.55047	2	0.99999	2.35458	0.04036	2.35444	220424956	4050310	79
08/24/2017 11:11:16	16.67565	16.69697	16.65575	732.89062	732.89996	732.79998	19.44356	19.6	19.3	20.80524	21.19999	20.3	26.94783	27.07071	26.84905	1.36168	1.8	0.99999	2.43797	0.0146	2.43777	220424956	4050310	79
08/24/2017 11:16:16	16.67663	16.7078	16.6301	732.82312	732.89996	732.79998	19.60264	19.9	19.4	21.04978	21.4	20.8	27.01166	27.09842	26.90447	1.44714	1.8	1.09999	2.52134	0.0146	2.52111	220424956	4050310	79
08/24/2017 11:21:16	16.67589	16.69434	16.65111	732.77179	732.79998	732.70001	19.97709	20.2	19.7	21.40014	21.8	20.9	26.98238	27.07071	26.87676	1.42304	1.9	0.9	2.60472	0.01838	2.60472	220424956	4050310	79
08/24/2017 11:26:16	16.67589	16.69434	16.65111	732.77179	732.79998	732.70001	19.97709	20.2	19.7	21.40014	21.8	20.9	26.98238	27.07071	26.87676	1.42304	1.9	0.9	2.6881	0	2.68777	220424956	4050310	79
08/24/2017 11:31:16	16.67585	16.69852	16.65828	732.81311	732.89996	732.79998	20.26369	20.5	20.2	21.39006	21.69999	21.19999	26.85743	26.95988	26.73822	1.12637	1.49999	0.8	2.77147	0.02203	2.77139	220424956	4050310	79
08/24/2017 11:36:16	16.67542	16.70052	16.65828	732.81005	732.89996	732.79998	20.441	20.7	20.3	21.51143	21.9	21.3	26.81028	26.90447	26.71051	1.07043	1.4	0.8	2.85485	0.02556	2.85472	220424956	4050310	79
08/24/2017 11:41:16	16.67542	16.70052	16.65828	732.81005	732.89996	732.79998	20.441	20.7	20.3	21.51143	21.9	21.3	26.81028	26.90447	26.71051	1.07043	1.4	0.8	2.93822	0.05924	2.93777	220424956	4050310	79
08/24/2017 11:46:16	16.67596	16.70571	16.65828	732.77887	732.89996	732.70001	20.66099	20.8	20.5	21.96487	22.6	21.4	26.77168	26.98759	26.62738	1.30387	1.9	0.89999	3.0216	0.04708	3.02111	220424956	4050310	79
08/24/2017 11:51:16	16.67509	16.69972	16.65231	732.74762	732.79998	732.70001	20.93003	21.2	20.8	22.21531	22.5	22	26.97337	27.07071	26.84905	1.28527	1.69999	0.9	3.10497	0.00212	3.10472	220424956	4050310	79
08/24/2017 11:56:16	16.67602	16.69972	16.65847	732.73327	732.79998	732.70001	21.15634	21.3	20.9	22.2818	22.6	22	26.97974	27.09842	26.87676	1.12545	1.6	0.8	3.18835	0	3.18805	220424956	4050310	79
08/24/2017 12:01:16	16.67602	16.69972	16.65847	732.73327	732.79998	732.70001	21.15634	21.3	20.9	22.2818	22.6	22	26.97974	27.09842	26.87676	1.12545	1.6	0.8	3.27173	0.0131	3.27111	220424956	4050310	79
08/24/2017 12:06:16	16.67519	16.69107	16.65259	732.74328	732.79998	732.70001	21.29999	21.4	21.2	22.52684	23	22.1	26.98991	27.09842	26.87676	1.22685	1.69999	0.8	3.35511	0.01561	3.35444	220424956	4050310	79
08/24/2017 12:11:16	16.67622	16.69817	16.65416	732.72216	732.79998	732.70001	21.4476	21.7	21.2	22.63928	23.1	22.3	27.01909	27.09842	26.87676	1.19168	1.8	0.69999	3.43849	0.00636	3.43777	220424956	4050310	79
08/24/2017 12:16:16	16.67525	16.70248	16.63593	732.73828	732.79998	732.70001	21.81668	22	21.5	22.92876	23.19999	22.6	26.98466	27.09842	26.90447	1.11208	1.5	0.7	3.52186	0	3.52139	220424956	4050310	79
08/24/2017 12:21:16	16.67525	16.70248	16.63593	732.73828	732.79998	732.70001	21.81668	22	21.5	22.92876	23.19999	22.6	26.98466	27.09842	26.90447	1.11208	1.5	0.7	3.60523	0.03785	3.60444	220424956	4050310	79
08/24/2017 12:26:16	16.67546	16.6945	16.63733	732.65063	732.70001	732.59997	22.05952	22.3	21.9	23.46126	23.8	23.19999	27.03238	27.09842	26.93217	1.40174	1.8	0.89999	3.68861	0.05657	3.68805	220424956	4050310	79
08/24/2017 12:31:16	16.67546	16.6945	16.63733	732.65063	732.70001	732.59997	22.05952	22.3	21.9	23.46126	23.8	23.19999	27.03238	27.09842	26.93217	1.40174	1.8	0.89999	3.77199	0.08153	3.77111	220424956	4050310	79
08/24/2017 12:36:16	16.6753	16.70394	16.65571	732.63726	732.70001	732.59997	22.26176	22.4	22	23.72633	24.19999	23.3	27.04849	27.12613	26.90447	1.46456	2	0.99999	3.85536	0	3.85444	220424956	4050310	79
08/24/2017 12:41:16	16.67387	16.69615	16.65888	732.65063	732.70001	732.59997	22.43016	22.6	22.3	23.96787	24.5	23.5	27.03874	27.12613	26.84905	1.5377	1.8	0.7	3.93873	0.09458	3.93805	220424956	4050310	79
08/24/2017 12:46:16	16.675	16.69085	16.64872	732.6524	732.70001	732.59997	22.5702	22.9	22.4	23.74981	24.3	23.5	27.05837	27.12613	26.95988	1.17961	1.8	0.7	4.0221	0.01017	4.02111	220424956	4050310	79
08/24/2017 12:51:16	16.67536	16.70312	16.63364	732.58514	732.70001	732.5	22.75172	22.9	22.5	23.93142	24.3	23.6	27.07129	27.12613	26.98759	1.17969	1.49999	0.9	4.10547	0.00885	4.10444	220424956	4050310	79
08/24/2017 12:56:16	16.67503	16.7011	16.65811	732.57757	732.70001	732.5	22.92687	23.1	22.7	24.1664	24.5	23.8	27.04724	27.12613	26.90447	1.23953	1.6	0.8	4.18884	0.03472	4.18777	220424956	4050310	79
08/24/2017 13:01:16	16.67499	16.69979	16.64224	732.46344	732.59997	732.39996	23.16119	23.3	23	24.38699	25	23.8	27.07913	27.15384	26.98759	1.2258	2	0.59999	4.2722	0.02447	4.27139	220424956	4050310	79
08/24/2017 13:06:16	16.67499	16.69979	16.64224	732.46344	732.59997	732.39996	23.16119	23.3	23	24.38699	25	23.8	27.07913	27.15384	26.98759	1.2258	2	0.59999	4.35556	0.03468	4.35444	220424956	4050310	79
08/24/2017 13:11:16	16.67566	16.71127	16.64701	732.43951	732.59997	732.39996	23.28186	23.5	23	24.8093	25.1	24.4	27.08272	27.15384	27.0153	1.52744	1.8	1.19999	4.43892	0.06275	4.43777	220424956	4050310	79
08/24/2017 13:16:16	16.67575	16.70878	16.64129	732.40704	732.5	732.29998	23.61673	23.8	23.5	25.10468	25.6	24.8	27.13854	27.26467	27.04301	1.48795	2	1.19999	4.52229	0.00886	4.52139	220424956	4050310	79
08/24/2017 13:21:16	16.67575	16.70878	16.64129	732.40704	732.5	732.29998	23.61673	23.8	23.5	25.10468	25.6	24.8	27.13854	27.26467	27.04301	1.48795	2	1.19999	4.60566	0.00238	4.60444	220424956	4050310	79
08/24/2017 13:26:16	16.67554	16.70198	16.65527	732.35962	732.39996	732.29998	23.78997	24.1	23.6	25.42996	25.69999	25	27.1944	27.29238	27.07071	1.63998	1.89999	1.3	4.68902	0.12317	4.68805	220424956	4050310	79
08/24/2017 13:31:16	16.67464	16.69975	16.65301	732.3302	732.39996	732.29998	23.91389	24.2	23.8	25.53899	25.69999	25.4	27.23534	27.29238	27.15384	1.6251	1.89999	1.3	4.77239	0.00823	4.77111	220424956	4050310	79
08/24/2017 13:36:16	16.67496	16.69726	16.65494	732.34558	732.39996	732.29998	24.32016	24.4	24.2	25.82909	26.19999	25.5	27.22752	27.29238	27.15384	1.50894	1.9	1.19999	4.85575	0.01936	4.85472	220424956	4050310	79
08/24/2017 13:41:16	16.67496	16.69726	16.65494	732.34558	732.39996	732.29998	24.32016	24.4	24.2	25.82909	26.19999	25.5	27.22752	27.29238	27.15384	1.50894	1.9	1.19999	4.93912	0.03219	4.93777	220424956	4050310	79
08/24/2017 13:46:16	16.67435	16.69433	16.65301	732.34759	732.39996	732.29998	24.45036	24.7	24.3	25.7144	26.1	25.4	27.24112	27.32009	27.15384	1.26403	1.7	0.9	5.02249	0.02842	5.02111	220424956	4050310	79
08/24/2017 13:51:16	16.67392	16.69863	16.6476	732.36242	732.5	732.29998	24.80393	24.9	24.5	26.44213	27.1	26	27.20884	27.29238	27.07071	1.6382	2.2	1.1	5.10585	0.04113	5.10472	220424956	4050310	79
08/24/2017 13:56:16	16.67382	16.70595	16.64575	732.39691	732.5	732.29998	24.88386	25	24.8	26.14628	26.5	25.69999	27.19567	27.29238	27.09842	1.26242	1.6	0.8	5.18922	0	5.18805	220424956	4050310	79
08/24/2017 14:01:16	16.67433	16.69315	16.65727	732.40075	732.5	732.29998	25.02945	25.1	24.9	25.89503	26.3	25.6	27.23507	27.29238	27.15384	0.86557	1.2	0.5	5.27257	0.03054	5.27139	220424956	4050310	79
08/24/2017 14:06:16	16.67433	16.69315	16.65727	732.40075	732.5	732.29998	25.02945	25.1	24.9	25.89503	26.3	25.6	27.23507	27.29238	27.15384	0.86557	1.2	0.5	5.35593	0.04116	5.35444	220424956	4050310	79
08/24/2017 14:11:16	16.67561	16.70904	16.65066	732.28491	732.39996	732.20001	25.26236	25.4	25.1	26.43331	26.69999	25.9	27.24339	27.32009	27.15384	1.17095	1.59999	0.5	5.43931	0.03693	5.43805	220424956	4050310	79
08/24/2017 14:16:16	16.67529	16.69748	16.65178	732.30304	732.39996	732.20001	25.36047	25.5	25.3	26.79726	27.1	26.5	27.23555	27.29238	27.18155	1.43679	1.7	1	5.52268	0.02163	5.52139	220424956	4050310	79
08/24/2017 14:21:16	16.67529	16.69748	16.65178	732.30304	732.39996	732.20001	25.36047	25.5	25.3	26.79726	27.1	26.5	27.23555	27.29238	27.18155	1.43679	1.39999	0.5	5.60605	0.04113	5.60444	220424956	4050310	79
08/24/2017 14:26:16	16.67405	16.69748	16.64948	732.27984	732.39996	732.20001	25.48317	25.6	25.3	26.40505	26.69999	26.1	27.24996	27.32009	27.18155	0.92188	1.39999	0.5	5.68941	0.01963	5.68777	220424956	4050310	79
08/24/2017 14:31:16	16.67459	16.70545	16.65853	732.29693	732.39996	732.20001	25.5637	25.7	25.4	26.28733	26.9	26	27.25139	27.29238	27.18155	0.72363	1.3	0.4	5.77278	0.04113	5.77111	220424956	4050310	79
08/24/2017 14:36:16	16.67543	16.69863	16.65178	732.25341	732.39996	732.09997	25.69736	25.9	25.6	26.55953	27.19999	26.1	27.24597	27.29238	27.18155	0.86217	1.5	0.2	5.85615	0.03237	5.85472	220424956	4050310	79
08/24/2017 14:41:16	16.67543	16.69863	16.65178	732.25341	732.39996	732.09997	25.69736	25.9	25.6	26.55953	27.19999	26.1	27.24597	27.29238	27.18155	0.86217	1.5	0.2	5.93951	0.06491	5.93777	220424956	4050310	79
08/24/2017 14:46:16	16.67586	16.69937	16.65673	732.18896	732.29998	732.09997	25.91672	26	25.6	26.80625	27.3	26.5	27.26269	27.34779	27.18155	0.88953	1.4	0.5	6.02288	0.02165	6.02139	220424956	4050310	79
08/24/2017 14:51:16	16.67586	16.69937	16.65673	732.18896	732.29998	732.09997	25.91672	26	25.6	26.80625	27.3	26.5	27.26269	27.34779	27.18155	0.88953	1.4	0.5	6.10626	0.05012	6.10444	220424956	4050310	79
08/24/2017 14:56:16	16.67601	16.69203	16.65196	732.15869	732.29998	732.09997	25.98028	26.2	25.7	26.64867	27.1	26.1	27.27282	27.40321	27.20925	0.66838	1.1	0.1	6.18962	0	6.18777	220424956	4050310	79
08/24/2017 15:01:16	16.67614	16.71683	16.64622	732.09893	732.20001	732	26.09926	26.2	26	27.14728	27.69999	26.3	27.27533	27.40321	27.20925	1.04802	1.69999	0.3	6.273	0.04133	6.27139	220424956	4050310	79
08/24/2017 15:06:16	16.67614	16.71683	16.64622	732.09893	732.20001	732	26.09926	26.2	26	27.14728	27.69999	26.3	27.27533	27.40321	27.20925	1.04802	1.69999	0.3	6.35636	0.04716	6.35444	220424956	4050310	79
08/24/2017 15:11:16	16.67499	16.7061	16.65675	732.08081	732.20001	732	26.21395	26.5	26	27.16498	27.69999	26.69999	27.27462	27.3755	27.20925	0.95102	1.69999	0.3	6.43972	0.06108	6.43777	220424956	4050310	79
08/24/2017 15:16:16	16.67498	16.70523	16.65227	732.06671	732.20001	732	26.30371	26.5	26.2	27.44443	27.69999	27.1	27.25371	27.32009	27.15384	1.14072	1.19999	0.5	6.52308	0.04128	6.52139	220424956	4050310	79
08/24/2017 15:21:16	16.67425	16.69506	16.65424	732.04638	732.20001	732	26.38759	26.6	26.2	27.27994	27.5	27.1	27.28109	27.43092	27.20925	0.89234	1.19999	0.5	6.60644	0.01972	6.60444	220424956	4050310	79
08/24/2017 15:26:16	16.67515	16.69611	16.64316	731.98162	732.09997	731.89996	26.56303	26.7	26.3	27.62729	28.3	27.1	27.282	27.3755	27.20925	1.06425	1.69999	0.5	6.68981	0.01589	6.68805	220424956	4050310	79
08/24/2017 15:31:16	16.67515	16.69611	16.64316	731.98162	732.09997	731.89996	26.56303	26.7	26.3	27.62729	28.3	27.1	27.282	27.3755	27.20925	1.06425	1.3	0.3	6.77317	0.02155	6.77139	220424956	4050310	79
08/24/2017 15:36:16	16.67578	16.6986	16.65781	731.9151	732.09997	731.79998	26.60683	26.8	26.5	27.29067	27.8	26.9	27.38423	27.45863	27.29238	0.68384	1.3	0.3	6.85654	0.02871	6.85472	220424956	4050310	79
08/24/2017 15:41:16	16.67486	16.6986	16.65475	731.92724	732	731.79998	26.62622	26.8	26.5	27.5339	27.9	27.19999	27.31478	27.45863	27.20925	0.90767	1.3	0.49999	6.9399	0.03437	6.93777	220424956	4050310	79
08/24/2017 15:46:16	16.6736	16.69149	16.65724	731.92401	732	731.79998	26.70929	26.8	26.6	27.26083	27.69999	26.9	27.35849	27.48633	27.20925	0.55154	1.09999	0.09999	7.02327	0.00886	7.02111	220424956	4050310	79
08/24/2017 15:51:16	16.67577	16.6995	16.65208	731.78869	731.89996	731.70001	26.70278	26.8	26.6	26.96586	27.19999	26.69999	27.38604	27.51404	27.23696	0.26978	0.59999	0	7.10665	0	7.10472	220424956	4050310	79
08/24/2017 15:56:16	16.676	16.70254	16.654	731.69983	731.79998	731.59997	26.65563	26.8	26.5	27.12533	27.4	26.5	27.39885	27.54175	27.29238	0.49656	0.8	0	7.19001	0	7.18805	220424956	4050310	79
08/24/2017 16:01:16	16.676	16.70254	16.654	731.69983	731.79998	731.59997	26.65563	26.8	26.5	27.12533	27.4	26.5	27.39885	27.54175	27.29238	0.49656	0.8	0	7.27338	0.05022	7.27111	220424956	4050310	79
08/24/2017 16:06:16	16.67569	16.697	16.65061	731.70001	731.79998	731.59997	26.62659	26.8	26.5	27.30003	27.69999	26.9	27.42154	27.51404	27.32009	0.67344	0.69999	0.09999	7.35674	0.01774	7.35472	220424956	4050310	79
08/24/2017 16:11:16	16.67596	16.70448	16.64299	731.68792	731.79998	731.5	26.6102	26.8	26.5	27.05824	27.3	26.69999	27.47359	27.56946	27.34779	0.45474	0.69999	0.09999	7.44009	0.01966	7.43777	220424956	4050310	79
08/24/2017 16:16:16	16.67524	16.69234	16.65759	731.61511	731.70001	731.5	26.62016	26.8	26.5	27.0332	27.3	26.69999	27.44769	27.56946	27.32009	0.41304	0.8	0	7.52345	0.0502	7.52111	220424956	4050310	79
08/24/2017 16:21:16	16.67467	16.70697	16.65002	731.49694	731.70001	731.29998	26.56637	26.6	26.5	27.23417	27.69999	26.69999	27.43841	27.56946	27.32009	0.6678	1.19999	0.09999	7.60682	0.04324	7.60472	220424956	4050310	79
08/24/2017 16:26:16	16.67467	16.70697	16.65002	731.49694	731.70001	731.29998	26.56637	26.6	26.5	27.23417	27.69999	26.69999	27.43841	27.56946	27.32009	0.6678	0.99999	0	7.69018	0.03249	7.68805	220424956	4050310	79
08/24/2017 16:31:16	16.67523	16.7009	16.65151	731.43933	731.70001	731.29998	26.56975	26.7	26.3	27.02697	27.4	26.6	27.46216	27.59717	27.3755	0.45722	0.99999	0	7.77355	0.04604	7.77111	220424956	4050310	79
08/24/2017 16:36:16	16.67426	16.6893	16.64932	731.35943	731.5	731.29998	26.52	26.8	26.3	26.96539	27.4	26.3	27.49454	27.56946	27.40321	0.46462	0.9	0.09999	7.85692	0.04126	7.85444	220424956	4050310	79
08/24/2017 16:41:16	16.6755	16.69924	16.65347	731.35498	731.59997	731.20001	26.50272	26.6	26.3	26.87593	27.1	26.19999	27.54816	27.62487	27.45863	0.38531	0.8	0	7.9403	0.03242	7.93805	220424956	4050310	79
08/24/2017 16:46:16	16.67475	16.70474	16.64435	731.36029	731.59997	731.20001	26.43748	26.6	26.2	26.55558	27.1	26.1	27.53026	27.62487	27.3755	0.23912	0.6	0	8.02367	0	8.02139	220424956	4050310	79

08/24/2017 16:51:16	16.67457	16.69616	16.64326	731.34454	731.5	731.20001	26.3439	26.6	26.2	26.52933	26.8	26.19999	27.54836	27.62487	27.45863	0.24593	0.49999	0	8.10704	0.05611	8.10472	220424956	4050310	79
08/24/2017 16:56:16	16.67457	16.69616	16.64326	731.34454	731.5	731.20001	26.3439	26.6	26.2	26.52933	26.8	26.19999	27.54836	27.62487	27.45863	0.24593	0.49999	0	8.19042	0.09132	8.18777	220424956	4050310	79
08/24/2017 17:01:16	16.6744	16.70474	16.65181	731.32434	731.59997	731.20001	26.20939	26.5	26	26.40724	26.69999	26.1	27.52121	27.59717	27.43092	0.21798	0.5	0	8.27383	0.0522	8.27139	220424956	4050310	79
08/24/2017 17:06:16	16.67501	16.70104	16.6567	731.34637	731.59997	731.20001	26.15324	26.3	26	26.05547	26.19999	25.9	27.55688	27.62487	27.48633	0.13075	0.3	0	8.35722	0.0195	8.35472	220424956	4050310	79
08/24/2017 17:11:16	16.67501	16.70104	16.6567	731.34637	731.59997	731.20001	26.15324	26.3	26	26.05547	26.19999	25.9	27.55688	27.62487	27.48633	0.13075	0.3	0	8.44064	0.00216	8.43777	220424956	4050310	79
08/24/2017 17:16:16	16.67506	16.69384	16.64515	731.30084	731.39996	731.20001	26.02618	26.2	25.9	26.2467	26.5	26	27.54294	27.62487	27.3755	0.24068	0.5	0	8.52405	0.0629	8.52111	220424956	4050310	79
08/24/2017 17:21:16	16.67576	16.70179	16.6489	731.10601	731.29998	731	25.87643	26	25.6	25.89532	26.1	25.6	27.55939	27.62487	27.48633	0.13981	0.4	0	8.60746	0.03888	8.60472	220424956	4050310	79
08/24/2017 17:26:16	16.67576	16.70179	16.6489	731.10601	731.29998	731	25.87643	26	25.6	25.89532	26.1	25.6	27.55939	27.62487	27.48633	0.13981	0.4	0	8.69085	0.02391	8.68777	220424956	4050310	79
08/24/2017 17:31:16	16.67489	16.70492	16.6526	731.03631	731.09997	731	25.58671	25.7	25.5	25.92256	26.1	25.6	27.55875	27.62487	27.51404	0.33584	0.6	0	8.77427	0.03453	8.77139	220424956	4050310	79
08/24/2017 17:36:16	16.67489	16.70492	16.6526	731.03631	731.09997	731	25.58671	25.7	25.5	25.92256	26.1	25.6	27.55875	27.62487	27.51404	0.33584	0.6	0	8.85766	0.02172	8.85444	220424956	4050310	79
08/24/2017 17:41:16	16.67518	16.69883	16.64344	731.03326	731.09997	731	25.51614	25.6	25.4	25.79761	26.1	25.6	27.56965	27.65258	27.51404	0.28146	0.6	0.09999	8.94109	0.03883	8.93777	220424956	4050310	79
08/24/2017 17:46:16	16.67479	16.69883	16.65559	731.0141	731.20001	731	25.41998	25.6	25.3	25.58923	26	25.3	27.5587	27.62487	27.48633	0.20281	0.4	0	9.02452	0.02577	9.02139	220424956	4050310	79
08/24/2017 17:51:16	16.67389	16.69505	16.64826	731.03021	731.09997	731	25.32322	25.5	25.1	25.48321	25.69999	25.1	27.56247	27.59717	27.45863	0.1734	0.4	0	9.10795	0	9.10444	220424956	4050310	79
08/24/2017 17:56:16	16.67436	16.69937	16.64943	730.98791	731.09997	730.89996	25.21629	25.3	24.9	25.08043	25.4	24.9	27.56127	27.65258	27.51404	0.20972	0.4	0	9.19137	0.01293	9.18777	220424956	4050310	79
08/24/2017 18:01:16	16.67567	16.70267	16.65593	730.89996	731	730.79998	24.91681	25.1	24.7	24.7565	25	24.5	27.5824	27.68029	27.51404	0.1603	0.4	0	9.27478	0.04103	9.27139	220424956	4050310	79
08/24/2017 18:06:16	16.67447	16.69116	16.65372	730.84533	730.89996	730.79998	24.80251	24.9	24.7	24.76782	25.4	24.3	27.584	27.73571	27.45863	0.15581	0.5	0	9.35821	0.03069	9.35472	220424956	4050310	79
08/24/2017 18:11:16	16.67447	16.69116	16.65372	730.84533	730.89996	730.79998	24.80251	24.9	24.7	24.76782	25.4	24.3	27.584	27.73571	27.45863	0.15581	0.9	0	9.44162	0	9.43805	220424956	4050310	79
08/24/2017 18:16:16	16.67458	16.69754	16.65008	730.82721	730.89996	730.79998	24.64995	24.8	24.4	24.30955	24.8	23.8	27.6607	27.76341	27.51404	0.36055	1.1	0.6	9.52504	0.04085	9.52139	220424956	4050310	79
08/24/2017 18:21:16	16.67447	16.70049	16.65543	730.80401	730.89996	730.70001	24.42036	24.7	24.3	23.6357	23.9	23.3	27.67307	27.73571	27.56946	0.78465	1.1	0.6	9.60848	0.00291	9.60444	220424956	4050310	79
08/24/2017 18:26:16	16.67459	16.68984	16.6399	730.80102	730.89996	730.70001	24.21959	24.4	23.9	23.48255	23.69999	23.19999	27.66363	27.73571	27.56946	0.73704	1	0.4	9.69192	0.01012	9.68777	220424956	4050310	79
08/24/2017 18:31:16	16.67511	16.70215	16.66326	730.75665	730.79998	730.70001	23.91684	24.2	23.7	23.32314	23.6	23.1	27.6511	27.76341	27.54175	0.59369	1	0.3	9.7753	0.00291	9.77111	220424956	4050310	79
08/24/2017 18:36:16	16.67418	16.69152	16.65019	730.71313	730.79998	730.59997	23.77331	23.9	23.6	23.34569	23.5	23.19999	27.65118	27.73571	27.51404	0.42761	0.7	0.1	9.85872	0.01896	9.85444	220424956	4050310	79
08/24/2017 18:41:16	16.67425	16.69235	16.6424	730.6546	730.70001	730.59997	23.37932	23.6	23.2	22.96965	23.19999	22.6	27.68238	27.73571	27.59717	0.40966	0.8	0.2	9.94213	0.0319	9.93805	220424956	4050310	79
08/24/2017 18:46:16	16.67425	16.69235	16.6424	730.6546	730.70001	730.59997	23.37932	23.6	23.2	22.96965	23.19999	22.6	27.68238	27.73571	27.59717	0.40966	0.8	0.2	10.02555	0	10.02111	220424956	4050310	79
08/24/2017 18:51:16	16.675	16.69764	16.65383	730.6333	730.70001	730.59997	23.18662	23.3	22.9	22.73694	23.1	22.5	27.68079	27.76341	27.54175	0.45638	0.8	0.1	10.10898	0.02522	10.10444	220424956	4050310	79
08/24/2017 18:56:16	16.67372	16.69499	16.64227	730.60009	730.70001	730.5	22.74191	23	22.5	22.04506	22.5	21.8	27.68743	27.76341	27.62487	0.69685	1.1	0.4	10.1924	0.04067	10.18805	220424956	4050310	79
08/24/2017 19:01:16	16.67372	16.69499	16.64227	730.60009	730.70001	730.5	22.74191	23	22.5	22.04506	22.5	21.8	27.68743	27.76341	27.62487	0.69685	1.1	0.4	10.27582	0.03856	10.27111	220424956	4050310	79
08/24/2017 19:06:16	16.673	16.69276	16.6418	730.58587	730.59997	730.5	22.19511	22.5	21.9	21.26339	21.5	20.8	27.68762	27.79112	27.56946	0.93172	1.5	0.5	10.35923	0.10678	10.35472	220424956	4050310	79
08/24/2017 19:11:16	16.673	16.69276	16.6418	730.58587	730.59997	730.5	22.19511	22.5	21.9	21.26339	21.5	20.8	27.68762	27.79112	27.56946	0.93172	1.5	0.5	10.44264	0	10.43777	220424956	4050310	79
08/24/2017 19:16:16	16.67442	16.70584	16.65316	730.59088	730.59997	730.5	21.90039	22.1	21.7	20.92453	21.19999	20.69999	27.57247	27.76341	27.40321	0.97585	1.2	0.7	10.52601	0.06633	10.52111	220424956	4050310	79
08/24/2017 19:21:16	16.6731	16.7052	16.65257	730.53326	730.59997	730.5	21.25939	21.5	20.9	20.25717	20.5	20.1	27.55338	27.65258	27.45863	1.00221	1.2	0.6	10.60942	0.08086	10.60472	220424956	4050310	79
08/24/2017 19:26:16	16.6731	16.7052	16.65257	730.53326	730.59997	730.5	21.25939	21.5	20.9	20.25717	20.5	20.1	27.55338	27.65258	27.45863	1.00221	1.2	0.6	10.69284	0.06254	10.68777	220424956	4050310	79
08/24/2017 19:31:16	16.67421	16.69171	16.64933	730.50305	730.59997	730.5	20.87837	21.2	20.6	19.98313	20.19999	19.6	27.6126	27.708	27.48633	0.89524	1.2	0.6	10.77625	0.02216	10.77111	220424956	4050310	79
08/24/2017 19:36:16	16.67462	16.69346	16.64232	730.5465	730.59997	730.5	20.14258	20.3	19.9	19.12507	19.5	18.8	27.78401	27.90195	27.68029	1.01751	1.3	0.7	10.85968	0	10.85472	220424956	4050310	79
08/24/2017 19:41:16	16.6741	16.69874	16.6462	730.59692	730.59997	730.5	19.78676	20.1	19.4	18.60623	18.9	18.19999	27.81573	27.87424	27.68029	1.18053	1.5	0.8	10.9431	0.01793	10.93805	220424956	4050310	79
08/24/2017 19:46:16	16.6741	16.69874	16.6462	730.59692	730.59997	730.5	19.78676	20.1	19.4	18.60623	18.9	18.19999	27.81573	27.87424	27.68029	1.18053	1.5	0.8	11.02652	0	11.02111	220424956	4050310	79
08/24/2017 19:51:16	16.67331	16.69883	16.65003	730.62927	730.70001	730.59997	19.35894	19.7	18.9	18.3509	18.69999	18.1	27.82699	27.90195	27.73571	1.00803	1.4	0.5	11.10994	0.0177	11.10444	220424956	4050310	79
08/24/2017 19:56:16	16.6734	16.69382	16.6588	730.64135	730.70001	730.59997	18.87617	19.1	18.7	18.28996	18.5	18.1	27.83604	27.92966	27.73571	0.5862	1	0.2	11.19334	0.04905	11.18777	220424956	4050310	79
08/24/2017 20:01:16	16.67377	16.70758	16.65256	730.65661	730.70001	730.59997	18.49142	18.8	18.2	18.22915	18.5	18.1	27.83963	27.92966	27.708	0.27574	0.5	0	11.27678	0.07575	11.27111	220424956	4050310	79
08/24/2017 20:06:16	16.6736	16.70884	16.65008	730.66467	730.70001	730.59997	17.73906	17.9	17.3	17.80351	18.1	17.6	27.9748	28.0682	27.90195	0.15063	0.4	0	11.36019	0.01777	11.35472	220424956	4050310	79
08/24/2017 20:11:16	16.67413	16.69006	16.64753	730.69903	730.70001	730.59997	17.43545	17.7	17.2	17.56574	17.8	17.3	27.98625	28.12362	27.92966	0.16387	0.4	0	11.44361	0.06235	11.43805	220424956	4050310	79
08/24/2017 20:16:16	16.67413	16.69006	16.64753	730.69903	730.70001	730.59997	17.43545	17.7	17.2	17.56574	17.8	17.3	27.98625	28.12362	27.92966	0.16387	0.4	0	11.52703	0.01762	11.52111	220424956	4050310	79
08/24/2017 20:21:16	16.67421	16.69374	16.64111	730.78485	730.79998	730.70001	16.89033	17	16.6	16.93988	17.5	16.5	28.06084	28.15133	27.95737	0.12938	0.5	0	11.61045	0.03994	11.60472	220424956	4050310	79
08/24/2017 20:26:16	16.67421	16.69374	16.64111	730.78485	730.79998	730.70001	16.89033	17	16.6	16.93988	17.5	16.5	28.06084	28.15133	27.95737	0.12938	0.5	0	11.69387	0.16455	11.68805	220424956	4050310	79
08/24/2017 20:31:16	16.67494	16.69982	16.63977	730.79998	730.79998	730.79998	16.54304	16.7	16.4	16.69998	17.1	16.4	28.08441	28.17903	27.98508	0.17709	0.6	0.09999	11.77731	0.10227	11.77139	220424956	4050310	79
08/24/2017 20:36:16	16.67383	16.69952	16.64847	730.89593	731	730.79998	16.26955	16.4	16	16.56031	16.69999	16.4	28.06203	28.15133	27.95737	0.29076	0.6	0.09999	11.86074	0.0224	11.85444	220424956	4050310	79
08/24/2017 20:41:16	16.67398	16.71072	16.64572	730.89996	730.89996	730.89996	15.76322	15.9	15.5	16.4336	16.6	16.1	28.1108	28.17903	28.04049	0.67038	1	0.3	11.94416	0.0399	11.93805	220424956	4050310	79
08/24/2017 20:46:16	16.67398	16.71072	16.64572	730.89996	730.89996	730.89996	15.76322	15.9	15.5	16.4336	16.6	16.1	28.1108	28.17903	28.04049	0.67038	1	0.3	12.02756	0.01245	12.02111	220424956	4050310	79
08/24/2017 20:51:16	16.67528	16.69564	16.64572	730.92028	731	730.89996	15.51836	15.8	15.3	16.25936	16.5	16	28.12897	28.23445	28.0682	0.741	1	0.5	12.111	0.05736	12.10444	220424956	4050310	79
08/24/2017 20:56:16	16.67502	16.70682	16.65441	731.00201	731.09997	730.89996	15.33928	15.7	15.2	16.34821	16.5	16.1	28.13864	28.23445	28.04049	1.00892	1.19999	0.4	12.19441	0	12.18777	220424956	4050310	79
08/24/2017 21:01:16	16.6742	16.70433	16.64813	731.08685	731.09997	731	14.93255	15.3	14.7	16.33008	16.5	16	28.12782	28.23445	28.04049	1.39752	1.8	0.9	12.27783	0.11962	12.27139	220424956	4050310	79
08/24/2017 21:06:16	16.6742	16.70433	16.64813	731.08685	731.09997	731	14.93255	15.3	14.7	16.33008	16.5	16	28.12782	28.23445	28.04049	1.39752	1.8	0.9	12.36126	0.07972	12.35444	220424956	4050310	79
08/24/2017 21:11:16	16.6745	16.70433	16.64075	731.11108	731.20001	731.09997	14.71344	14.9	14.6	16.15577	16.4	16	28.19876	28.28987	28.09591	1.44233	1.8	1.2	12.44468	0.04485	12.43805	220424956	4050310	79
08/24/2017 21:16:16	16.6745	16.70433	16.64075	731.11108	731.20001	731.09997	14.71344	14.9	14.6	16.15577	16.4	16	28.19876	28.28987	28.09591	1.44233	1.8	1.19999	12.5281	0.04834	12.52139	220424956	4050310	79
08/24/2017 21:21:16	16.67484	16.69031	16.65052	731.14245	731.20001	731.09997	14.58613	14.8	14.2	16.02961	16.3	15.8	28.23342	28.37299	28.09591	1.44348	1.8	1.19999	12.61152	0.02245	12.60444	220424956	4050310	79
08/24/2017 21:26:16	16.67424	16.69899	16.64662	731.19812	731.29998	731.09997	14.35517	14.6	14.2	15.91839	16.1	15.69999	28.33234	28.45612	28.23445	1.56321	1.9	1.09999	12.69496	0.06733	12.68805	220424956	4050310	79
08/24/2017 21:31:16	16.67424	16.69899	16.64662	731.19812	731.29998	731.09997	14.35517	14.6	14.2	15.91839	16.1	15.69999	28.33234	28.45612	28.23445	1.56321	1.9	1.39999	12.77838	0.03977	12.77139	220424956	4050310	79
08/24/2017 21:36:16	16.67456	16.69517	16.65291	731.18585	731.29998	731.09997	14.25295	14.5	14	15.89647	16.1	15.69999	28.34521	28.42841	28.23445	1.64351	1.9	1.39999	12.8618	0.01732	12.85444	220424956	4050310	79
08/24/2017 21:41:16	16.67423	16.69268	16.64662	731.22229	731.29998	731.20001	14.16636	14.3	14	15.83272	16	15.69999	28.37836	28.45612	28.28987	1.66636	2	1.39999	12.94522	0.01731	12.93777	220424956	4050310	79
08/24/2017 21:46:16	16.67328	16.69256	16.65136	731.39593	731.39996	731.29998	14.01878	14.3	13.9	15.71782	16	15.5	28.33515	28.42841	28.23445	1.69903	1.9	1.19999	13.02868	0.06221	13.02139	220424956	4050310	79
08/24/2017 21:51:16	16.67328	16.69256	16.65136	731.39593	731.39996	731.29998	14.01878	14.3	13.9	15.71782	16	15.5	28.33515	28.42841	28.23445	1.69903	1.9	1.19999	13.11212	0	13.10444	220424956	4050310	79
08/24/2017 21:56:16	16.67403	16.70122	16.65031	731.44744	731.5	731.39996	13.90464	14.2	13.6	15.63276	15.8	15.4	28.30676	28.4007	28.17903	1.72812	2.09999	1.49999	13.19556	0.02248	13.18805	220424956	4050310	79
08/24/2017 22:01:16	16.67288	16.69492	16.64887	731.49993	731.5	731.39996	13.81334	14	13.6	15.62912	15.8	15.4	28.2637	28.42841	28.15133	1.81578	2.19999	1.5	13.27898	0.10198	13.27139	220424956	4050310	79
08/24/2017 22:06:16	16.67288	16.69492	16.64887	731.49993	731.5	731.39996	13.81334	14	13.6	15.62912	15.8	15.4	28.2637	28.42841	28.15133	1.81578	2.19999	1.5	13.36241	0.02248	13.35472	220424956	4050310	79
08/24/2017 22:11:16	16.67295	16.70607	16.64887	731.5	731.5	731.5	13.70697	14	13.5	15.5305	15.69999	15.4	28.274	28.37299	28.20674	1.82353	2.19999	1.5	13.44583	0.00529	13.43805	220424956	4050310	79
08/24/2017 22:16:16	16.6743	16.69827	16.65225	731.5	731.5	731.5	13.64372	14	13.4	15.43028	15.69999	15.19999	28.31353	28.42841	28.20674	1.78655	2.09999	1.4	13.52923	0.01195	13.52111	220424956	4050310	79
08/24/2017 22:21:15	16.67484	16.69827	16.65225	731.5	731.5	731.5	13.59997	13.9	13.4	15.29893	15.5	15.1	28.32383	28.45612	28.23445	1.69895	2	1.4	13.61264	0.07938	13.60444	220424956	4050310	79
08/24/2017 22:26:16	16.67581	16.70076	16.65225	731.49493	731.5	731.39996	13.4738	13.7	13.3	15.29771	15.5	15.1	28.37679	28.45612	28.20674	1.82391	2.1	1.59999	13.69604	0.04499	13.68805	220424956	4050310	79
08/24/2017 22:31:16	16.67581	16.70076	16.65225	731.49493	731.5	731.39996	13.4738	13.7	13.3	15.29771	15.5	15.1	28.37679	28.45612	28.20674	1.82391	2.09999	1.19999	13.77946	0.02249	13.77111	220424956	4050310	79
08/24/2017 22:36:16	16.67652	16.69677	16.65707	731.5	731.5	731.5	13.4023	13.7	13.3	15.15649	15.4	14.9	28.42492	28.53924	28.34528	1.75418	2.09999	1.19999	13.86288	0.05681	13.85444	220424956	4050310	79
08/24/2017 22:41:15	16.67627	16.7079	16.64926	731.5	731.5	731.5	13.32829	13.6	13	15.1058	15.3	14.8	28.44101	28.56694	28.31757	1.77751	2.1	1.49999	13.94628	0.02251	13.93777	220424956	4050310	79
08/24/2017 22:46:16	16.67522	16.70158	16.63815	731.5	731.5	731.5	13.13589	13.3	13	15.01859	15.19999	14.7	28.47915	28.56694	28.37299	1.8827	2.19999	1.39999	14.02967	0.01081	14.02139	220424956	4050310	79
08/24/2017 22:51:16	16.67474	16.7079	16.64926	731.5	731.5	731.5	13.05715	13.4	12.8	14.93117	15.19999	14.7	28.52012	28.59465	28.37299	1.87401	2.3	1.39999	14.1131	0.01179	14.10472	220424956	4050310	79
08/24/2017 22:56:16	16.67474	16.7079	16.64926	731.5	731.5	731.5	13.05715	13.4	12.8	14.93117	15.19999	14.7	28.52012	28.59465	28.37299	1.87401	2.3	1.69999	14.19651	0.07928	14.18777	220424956	4050310	79
08/24/2017 23:01:16	16.67498	16.69372	16.64143	731.5	731.5	731.5	12.89354	13.1	12.7	14.71319	14.9	14.5	28.52058	28.59465	28.4007	1.81965	2	1.6	14.27996	0.04507	14.27139	220424956	4050310	79
08/24/2017 23:06:16	16.67459	16.70578	16.6399	731.49395	731.5	731.39996	12.8558	13	12.7	14.62987	14.9	14.3	28.53403	28.59465	28.42841	1.77406	2	1.39999	14.36338	0.03958	14.35472	220424956	4050310	79
08/24/2017 23:11:16	16.67522	16.70578	16.64238	731.41211	731.5	731.39996	12.75594	12.9	12.5	14.36793	14.7	14.1	28.56061	28.62236	28.51153	1.61199	2	1.39999	14.44681	0.03955	14.43805	220424956	4050310	79
08/24/2017 23:16:16	16.67522	16.70578	16.64238	731.41211	731.5	731.39996	12.75594	12.9	12.5	14.36793	14.7	14.1	28.56061	28.62236	28.51153	1.61199	2	1.39999	14.53024	0.03392	14.52111	220424956	4050310	79
08/24/2017 23:21:16	16.6735	16.69695	16.64311	731.47674	731.5	731.39996	12.69861	12.9	12.5	14.21924	14.5	14	28.57923	28.67778	28.51153	1.52063	2	1.3	14.61366	0.07351	14.60472	220424956	4050310	79
08/24/2017 23:26:16	16.67457	16.70805	16.64943	731.44537	731.5	731.39996	12.57402	12.8	12.3	14.20248	14.5	14	28.59364	28.67778	28.48382	1.62845	2	1.3	14.69708	0.01129	14.68777	220424956	4050310	79
08/24/2017 23:31:16	16.67354	16.68994	16.65035	731.44751	731.5	731.39996	12.33605	12.5	12.1	14.11887	14.3	13.9	28.65739	28.7609	28.53924	1.78282	2.19999	1.4	14.78052	0	14.77139	220424956	4050310	79
08/24/2017 23:36:16	16.67354	16.68994	16.65035	731.44751	731.5	731.39996	12.33605	12.5	12.1	14.11887	14.3	13.9	28.65739	28.7609	28.53924	1.78282	2.19999	1.4	14.86395	0.00566	14.85444	220424956	4050310	79
08/24/2017 23:41:16	16.67375	16.70488	16.64627	731.5	731.5	731.5	12.2902	12.5	12.1	13.99844	14.2	13.7	28.67271	28.78861	28.53924	1.70824	2	1.3	14.94739	0.03388	14.93777	220424956	4050310	79

08/24/2017 23:46:15	16.6729	16.69538	16.64786	731.5	731.5	731.5	12.14815	12.5	11.8	14.07024	14.3	13.9	28.67168	28.7332	28.56694	1.92209	2.3	1.5	15.03081	0.03383	15.02111	220424956	4050310	79
08/24/2017 23:51:16	16.6749	16.70488	16.64943	731.5545	731.59997	731.5	11.99878	12.2	11.8	13.87544	14.1	13.6	28.69766	28.7609	28.62236	1.87666	2.3	1.5	15.11423	0.00566	15.10472	220424956	4050310	79
08/24/2017 23:56:16	16.6749	16.70488	16.64943	731.5545	731.59997	731.5	11.99878	12.2	11.8	13.87544	14.1	13.6	28.69766	28.7609	28.62236	1.87666	2.3	1.5	15.19765	0.06213	15.18777	220424956	4050310	79
08/25/2017 00:01:16	16.6735	16.69853	16.64786	731.50805	731.59997	731.5	11.92103	12.2	11.7	14.00067	14.1	13.9	28.69415	28.7609	28.62236	2.07964	2.3	1.8	15.28108	0.01696	15.27111	220424956	4050310	79
08/25/2017 00:06:15	16.67395	16.69538	16.63678	731.5	731.5	731.5	11.91013	12.3	11.7	14.04077	14.3	13.9	28.70743	28.78861	28.65007	2.13064	2.5	1.7	15.3645	0.01121	15.35444	220424956	4050310	79
08/25/2017 00:11:16	16.67371	16.70103	16.64786	731.43731	731.5	731.39996	11.87173	12.1	11.7	13.99431	14.1	13.7	28.7067	28.78861	28.62236	2.12258	2.39999	1.69999	15.44792	0.00571	15.43777	220424956	4050310	79
08/25/2017 00:16:16	16.67453	16.69306	16.65124	731.36871	731.39996	731.29998	11.79664	11.9	11.6	13.54978	13.7	13.4	28.87375	28.98257	28.7609	1.75314	2	1.6	15.53132	0.00793	15.52139	220424956	4050310	79
08/25/2017 00:21:16	16.67453	16.69306	16.65124	731.36871	731.39996	731.29998	11.79664	11.9	11.6	13.54978	13.7	13.4	28.87375	28.98257	28.7609	1.75314	2	1.6	15.61472	0.03945	15.60444	220424956	4050310	79
08/25/2017 00:26:16	16.67443	16.69306	16.64081	731.39691	731.39996	731.29998	11.75723	11.9	11.6	13.47716	13.7	13.3	28.88897	29.01027	28.78861	1.71992	1.9	1.5	15.69811	0.00585	15.68777	220424956	4050310	79
08/25/2017 00:31:16	16.67473	16.70249	16.6439	731.39996	731.39996	731.39996	11.61956	11.8	11.3	13.36974	13.5	13.1	28.94237	29.03798	28.84402	1.75018	2.1	1.5	15.78149	0.06209	15.77139	220424956	4050310	79
08/25/2017 00:36:16	16.67473	16.70249	16.6439	731.39996	731.39996	731.39996	11.61956	11.8	11.3	13.36974	13.5	13.1	28.94237	29.03798	28.84402	1.75018	2.2	1.39999	15.8649	0.0168	15.85472	220424956	4050310	79
08/25/2017 00:41:16	16.67492	16.71605	16.6439	731.37878	731.39996	731.29998	11.56944	11.8	11.3	13.38224	13.5	13.1	28.96823	29.06569	28.84402	1.81279	2.3	1.39999	15.94828	0.01092	15.93805	220424956	4050310	79
08/25/2017 00:46:15	16.67588	16.70719	16.6439	731.37469	731.39996	731.29998	11.53805	11.7	11.2	13.30248	13.5	13.1	28.98321	29.03798	28.87173	1.76443	2.3	1.39999	16.03168	0.04831	16.02111	220424956	4050310	79
08/25/2017 00:51:16	16.67434	16.69862	16.65188	731.38885	731.39996	731.29998	11.35515	11.6	11.2	13.41307	13.6	13.1	29.00041	29.06569	28.89944	2.05791	2.3	1.5	16.11507	0.05619	16.10472	220424956	4050310	79
08/25/2017 00:56:16	16.67434	16.69862	16.65188	731.38885	731.39996	731.29998	11.35515	11.6	11.2	13.41307	13.6	13.1	29.00041	29.06569	28.89944	2.05791	2.3	1.5	16.19849	0.03745	16.18777	220424956	4050310	79
08/25/2017 01:01:16	16.67492	16.70498	16.64004	731.31213	731.39996	731.29998	11.34069	11.6	11.2	13.32957	13.5	13	29.0141	29.0934	28.95486	1.98888	2.3	1.4	16.2819	0.10152	16.27111	220424956	4050310	79
08/25/2017 01:06:16	16.67557	16.70969	16.64639	731.30804	731.39996	731.29998	11.21406	11.5	11	13.23628	13.5	13	29.02991	29.14881	28.95486	2.02222	2.4	1.6	16.36532	0.02267	16.35444	220424956	4050310	79
08/25/2017 01:11:15	16.67505	16.70332	16.64639	731.29998	731.29998	731.29998	11.19655	11.3	11	13.15722	13.4	13	29.0574	29.23194	28.98257	1.96066	2.4	1.7	16.44857	0.05616	16.43777	220424956	4050310	79
08/25/2017 01:16:16	16.67426	16.70332	16.65744	731.22631	731.29998	731.20001	11.13399	11.3	11	13.07643	13.3	12.9	29.18942	29.4259	29.06569	1.94243	2.1	1.69999	16.53178	0.03941	16.52139	220424956	4050310	79
08/25/2017 01:21:16	16.67426	16.70332	16.65744	731.22631	731.29998	731.20001	11.13399	11.3	11	13.07643	13.3	12.9	29.18942	29.4259	29.06569	1.94243	2.1	1.69999	16.61499	0	16.60444	220424956	4050310	79
08/25/2017 01:26:16	16.67525	16.70165	16.66213	731.29998	731.29998	731.29998	11.09901	11.3	10.9	13.0394	13.1	12.9	29.17231	29.39819	29.01027	1.94039	2.1	1.8	16.69821	0.12417	16.68777	220424956	4050310	79
08/25/2017 01:31:16	16.67401	16.70633	16.64942	731.29895	731.29998	731.20001	10.99937	11.2	10.7	12.94073	13.1	12.7	29.22602	29.39819	29.12111	1.94135	2.19999	1.59999	16.78141	0	16.77139	220424956	4050310	79
08/25/2017 01:36:16	16.67425	16.69996	16.64942	731.28076	731.29998	731.20001	11.01715	11.2	10.9	12.90634	13.1	12.8	29.28411	29.4536	29.17652	1.88919	2.19999	1.59999	16.86461	0.0167	16.85444	220424956	4050310	79
08/25/2017 01:41:16	16.67499	16.69777	16.66046	731.21716	731.29998	731.20001	10.93941	11.2	10.7	12.90606	13.1	12.7	29.41915	29.50902	29.28735	1.96664	2.3	1.8	16.94782	0.02268	16.93805	220424956	4050310	79
08/25/2017 01:46:16	16.67499	16.69777	16.66046	731.21716	731.29998	731.20001	10.93941	11.2	10.7	12.90606	13.1	12.7	29.41915	29.50902	29.28735	1.96664	2.3	1.8	17.03102	0.00888	17.02111	220424956	4050310	79
08/25/2017 01:51:16	16.67463	16.69777	16.65191	731.19293	731.20001	731.09997	10.91314	11.2	10.7	12.8821	13.1	12.8	29.47824	29.56443	29.39819	1.96896	2.3	1.69999	17.11424	0.0166	17.10444	220424956	4050310	79
08/25/2017 01:56:15	16.67545	16.71132	16.64635	731.1184	731.20001	731.09997	10.77313	11	10.6	12.59965	13	12.4	29.47073	29.53672	29.39819	1.82651	2.19999	1.4	17.19744	0	17.18777	220424956	4050310	79
08/25/2017 02:01:16	16.67491	16.70324	16.6549	731.11407	731.20001	731.09997	10.78624	11	10.6	12.64769	12.8	12.5	29.48038	29.53672	29.4259	1.86144	2.3	1.5	17.28065	0.01666	17.27111	220424956	4050310	79
08/25/2017 02:06:15	16.676	16.70152	16.6549	731.15771	731.20001	731.09997	10.69666	11	10.4	12.66375	12.8	12.5	29.48066	29.53672	29.39819	1.96709	2.3	1.5	17.36386	0.08476	17.35444	220424956	4050310	79
08/25/2017 02:11:16	16.67607	16.70712	16.64387	731.1889	731.20001	731.09997	10.72343	11	10.6	12.68988	13	12.4	29.44975	29.56443	29.28735	1.96645	2.3	1.6	17.44707	0.14083	17.43777	220424956	4050310	79
08/25/2017 02:16:15	16.67414	16.70324	16.62897	731.08789	731.09997	731	10.66036	11	10.5	12.47987	12.7	12.2	29.53608	29.61985	29.4259	1.81951	2.1	1.4	17.53028	0.02272	17.52111	220424956	4050310	79
08/25/2017 02:21:16	16.67223	16.69002	16.64884	731	731	731	10.61316	10.7	10.4	12.55668	12.8	12.4	29.59104	29.64756	29.48131	1.94352	2.19999	1.69999	17.61349	0.01664	17.60472	220424956	4050310	79
08/25/2017 02:26:15	16.67223	16.69002	16.64884	731	731	731	10.61316	10.7	10.4	12.55668	12.8	12.4	29.59104	29.64756	29.48131	1.94352	2.19999	1.69999	17.6967	0.03934	17.68777	220424956	4050310	79
08/25/2017 02:31:16	16.67524	16.6866	16.65351	730.97479	731	730.89996	10.59356	10.7	10.4	12.40704	12.5	12.3	29.63342	29.67527	29.56443	1.81348	2	1.69999	17.7799	0	17.77139	220424956	4050310	79
08/25/2017 02:36:16	16.67524	16.6866	16.65351	730.97479	731	730.89996	10.59356	10.7	10.4	12.40704	12.5	12.3	29.63342	29.67527	29.56443	1.81348	2	1.69999	17.8631	0.03932	17.85444	220424956	4050310	79
08/25/2017 02:41:16	16.67303	16.69763	16.65396	731.08856	731.09997	731	10.48688	10.7	10.3	12.25031	12.4	12.1	29.64002	29.70297	29.56443	1.76342	2	1.39999	17.94631	0.01655	17.93805	220424956	4050310	79
08/25/2017 02:46:16	16.67472	16.69514	16.64931	731.05365	731.09997	731	10.45296	10.7	10.3	12.28278	12.5	12.1	29.65512	29.75839	29.59214	1.82981	2.1	1.59999	18.02951	0.02274	18.02139	220424956	4050310	79
08/25/2017 02:51:16	16.67472	16.69514	16.64931	731.05365	731.09997	731	10.45296	10.7	10.3	12.28278	12.5	12.1	29.65512	29.75839	29.59214	1.82981	2.1	1.59999	18.11271	0.03929	18.10444	220424956	4050310	79
08/25/2017 02:56:16	16.67442	16.69125	16.65645	731.06176	731.09997	731	10.4429	10.6	10.3	12.21976	12.4	12.1	29.67825	29.7861	29.59214	1.77685	2	1.6	18.19592	0.07866	18.18777	220424956	4050310	79
08/25/2017 03:01:15	16.67461	16.69763	16.64931	731.04931	731.09997	731	10.41377	10.6	10.3	12.18656	12.4	12.1	29.67804	29.8138	29.59214	1.77278	2	1.6	18.27912	0	18.27111	220424956	4050310	79
08/25/2017 03:06:15	16.67361	16.69589	16.64931	731.08282	731.09997	731	10.38993	10.6	10.3	12.17011	12.4	11.9	29.70502	29.8138	29.59214	1.78018	2	1.5	18.36232	0.01659	18.35444	220424956	4050310	79
08/25/2017 03:11:16	16.67369	16.69763	16.64931	731.07641	731.09997	731	10.34027	10.4	10.1	12.2635	12.5	11.9	29.69287	29.7861	29.59214	1.92323	2.2	1.6	18.44553	0.01654	18.43805	220424956	4050310	79
08/25/2017 03:16:16	16.67369	16.69763	16.64931	731.07641	731.09997	731	10.34027	10.4	10.1	12.2635	12.5	11.9	29.69287	29.7861	29.59214	1.92323	2.2	1.6	18.52873	0.02274	18.52111	220424956	4050310	79
08/25/2017 03:21:15	16.6741	16.69978	16.65223	731.09997	731.09997	731.09997	10.3295	10.5	10.1	12.15603	12.3	11.9	29.72834	29.8138	29.64756	1.82653	2	1.4	18.61194	0.02274	18.60444	220424956	4050310	79
08/25/2017 03:26:16	16.67532	16.70228	16.64833	730.95471	731	730.89996	10.25637	10.4	10	12.1567	12.3	11.8	29.82115	29.89693	29.73068	1.91067	2.19999	1.6	18.69515	0	18.68805	220424956	4050310	79
08/25/2017 03:31:16	16.67604	16.69839	16.64619	730.906	731	730.89996	10.30403	10.5	10.1	12.1433	12.3	11.9	29.87041	29.95234	29.7861	1.83927	2.19999	1.6	18.77835	0.00624	18.77139	220424956	4050310	79
08/25/2017 03:36:15	16.67604	16.69839	16.64619	730.906	731	730.89996	10.30403	10.5	10.1	12.1433	12.3	11.9	29.87041	29.95234	29.7861	1.83927	2.19999	1.6	18.86155	0.00622	18.85444	220424956	4050310	79
08/25/2017 03:41:16	16.6744	16.69839	16.63981	730.84765	730.89996	730.79998	10.28362	10.5	10.1	11.98688	12.2	11.8	29.92927	30.00776	29.86922	1.70326	2.1	1.3	18.94476	0.03165	18.93777	220424956	4050310	79
08/25/2017 03:46:15	16.6747	16.69449	16.6423	730.84228	730.89996	730.79998	10.23762	10.4	10	11.87312	12.1	11.7	29.92975	29.98005	29.86922	1.6355	2.1	1.3	19.02796	0.02277	19.02111	220424956	4050310	79
08/25/2017 03:51:15	16.67432	16.69449	16.63593	730.81408	730.89996	730.79998	10.16546	10.4	9.9	11.85332	12.1	11.6	29.9435	30.03547	29.89693	1.68786	1.9	1.39999	19.11117	0.00629	19.10444	220424956	4050310	79
08/25/2017 03:56:16	16.67364	16.70551	16.6423	730.79998	730.79998	730.79998	10.09963	10.4	9.9	11.93463	12.1	11.6	29.99382	30.09088	29.89693	1.83499	2.19999	1.3	19.19438	0.00622	19.18805	220424956	4050310	79
08/25/2017 04:01:15	16.67364	16.70551	16.6423	730.79998	730.79998	730.79998	10.09963	10.4	9.9	11.93463	12.1	11.6	29.99382	30.09088	29.89693	1.83499	2.19999	1.3	19.27758	0.01647	19.27111	220424956	4050310	79
08/25/2017 04:06:15	16.6749	16.69449	16.63593	730.78491	730.79998	730.70001	10.06309	10.3	9.8	11.81344	12.1	11.6	30.00132	30.09088	29.86922	1.75035	2.19999	1.4	19.36079	0.07845	19.35444	220424956	4050310	79
08/25/2017 04:11:16	16.67463	16.70801	16.64942	730.70806	730.79998	730.70001	9.95633	10.3	9.8	11.81342	12.1	11.7	30.06832	30.17401	29.98005	1.85709	2.3	1.5	19.444	0.05846	19.43805	220424956	4050310	79
08/25/2017 04:16:16	16.67484	16.70801	16.6423	730.71746	730.79998	730.70001	9.96275	10.1	9.8	11.94767	12.2	11.7	30.05853	30.11859	29.98005	1.98491	2.3	1.69999	19.52721	0.07856	19.52139	220424956	4050310	79
08/25/2017 04:21:16	16.67484	16.70801	16.6423	730.71746	730.79998	730.70001	9.96275	10.1	9.8	11.94767	12.2	11.7	30.05853	30.11859	29.98005	1.98491	2.3	1.5	19.61042	0.03043	19.60444	220424956	4050310	79
08/25/2017 04:26:16	16.67499	16.7119	16.6423	730.7185	730.79998	730.70001	9.97015	10.1	9.8	11.95001	12.2	11.7	30.07953	30.1463	30.00776	1.97986	2.3	1.69999	19.69363	0.03924	19.68805	220424956	4050310	79
08/25/2017 04:31:16	16.67499	16.7119	16.6423	730.7185	730.79998	730.70001	9.97015	10.1	9.8	11.95001	12.2	11.7	30.07953	30.1463	30.00776	1.97986	2.19999	1.6	19.77683	0.03924	19.77111	220424956	4050310	79
08/25/2017 04:36:15	16.67525	16.71653	16.64942	730.76239	730.79998	730.70001	9.94926	10.1	9.8	11.78356	12.1	11.6	30.0838	30.1463	29.98005	1.8343	2.19999	1.6	19.86004	0.00627	19.85444	220424956	4050310	79
08/25/2017 04:41:15	16.67537	16.70551	16.64867	730.74664	730.79998	730.70001	9.92685	10	9.8	11.8087	12.1	11.7	30.08959	30.1463	30.03547	1.88185	2.19999	1.7	19.94325	0.06202	19.93777	220424956	4050310	79
08/25/2017 04:46:16	16.67518	16.69273	16.6558	730.76678	730.79998	730.70001	9.89661	10.1	9.8	11.7175	11.9	11.6	30.07952	30.1463	30.00776	1.82089	2.1	1.6	20.02645	0.02906	20.02139	220424956	4050310	79
08/25/2017 04:51:15	16.67518	16.69273	16.6558	730.76678	730.79998	730.70001	9.89661	10.1	9.8	11.7175	11.9	11.6	30.07952	30.1463	30.00776	1.82089	2.1	1.6	20.10965	0.01641	20.10444	220424956	4050310	79
08/25/2017 04:56:16	16.67714	16.69273	16.65794	730.79901	730.79998	730.70001	9.90673	10.1	9.8	11.70072	11.9	11.5	30.08345	30.1463	30.03547	1.79399	2	1.6	20.19286	0.0063	20.18777	220424956	4050310	79
08/25/2017 05:01:16	16.67325	16.68883	16.65404	730.70001	730.70001	730.70001	9.82313	10	9.5	11.70373	12.1	11.5	30.14556	30.22942	30.06318	1.8806	2.3	1.69999	20.27606	0.02278	20.27139	220424956	4050310	79
08/25/2017 05:06:15	16.67325	16.68883	16.65404	730.70001	730.70001	730.70001	9.82313	10	9.5	11.70373	12.1	11.5	30.14556	30.22942	30.06318	1.8806	2.3	1.69999	20.35926	0.02538	20.35444	220424956	4050310	79
08/25/2017 05:11:15	16.67375	16.69522	16.64304	730.65435	730.70001	730.59997	9.78958	9.9	9.7	11.72948	11.9	11.6	30.17864	30.25713	30.03547	1.9399	2.1	1.69999	20.44248	0.06203	20.43777	220424956	4050310	79
08/25/2017 05:16:16	16.67433	16.70801	16.64942	730.71307	730.79998	730.70001	9.82723	9.9	9.7	11.7869	12.1	11.5	30.1244	30.25713	30.03547	1.95967	2.19999	1.7	20.52569	0	20.52139	220424956	4050310	79
08/25/2017 05:21:16	16.67433	16.70801	16.64942	730.71307	730.79998	730.70001	9.82723	9.9	9.7	11.7869	12.1	11.5	30.1244	30.25713	30.03547	1.95967	2.19999	1.7	20.6089	0.0291	20.60472	220424956	4050310	79
08/25/2017 05:26:16	16.67618	16.71653	16.6423	730.79461	730.79998	730.70001	9.82992	10	9.7	11.81001	12.1	11.5	30.12808	30.25713	30.06318	1.98009	2.4	1.8	20.6921	0.03666	20.68777	220424956	4050310	79
08/25/2017 05:31:15	16.67422	16.69522	16.64942	730.72247	730.79998	730.70001	9.78326	9.9	9.5	11.78022	11.9	11.6	30.1137	30.22942	30.03547	1.99696	2.4	1.8	20.77531	0	20.77111	220424956	4050310	79
08/25/2017 05:36:16	16.67485	16.69735	16.64693	730.78491	730.79998	730.70001	9.76677	9.9	9.5	11.78313	12.1	11.6	30.15885	30.34026	30.06318	2.01635	2.2	1.8	20.85851	0.04555	20.85444	220424956	4050310	79
08/25/2017 05:41:15	16.67535	16.69522	16.65331	730.75933	730.79998	730.70001	9.78666	9.9	9.5	11.73992	11.9	11.6	30.18743	30.25713	30.11859	1.95325	2.2	1.8	20.94172	0.03927	20.93777	220424956	4050310	79
08/25/2017 05:46:15	16.67578	16.70624	16.64942	730.7456	730.79998	730.70001	9.77796	10	9.5	11.77307	12.1	11.5	30.18921	30.25713	30.09088	1.99511	2.6	1.6	21.02492	0.04561	21.02111	220424956	4050310	79
08/25/2017 05:51:15	16.67558	16.69345	16.64766	730.72955	730.79998	730.70001	9.76677	10	9.5	11.6198	11.8	11.3	30.10122	30.20172	30.00776	1.85303	2.2	1.59999	21.10812	0.00628	21.10444	220424956	4050310	79
08/25/2017 05:56:15	16.67605	16.69556	16.65438	730.7835	730.79998	730.70001	9.70973	9.9	9.5	11.56678	11.8	11.3	30.1586	30.28484	30.03547	1.85705	2.2	1.39999	21.19133	0.01641	21.18777	220424956	4050310	79
08/25/2017 06:01:16	16.67652	16.69449	16.65794	730.79998	730.79998	730.79998	9.68321	9.9	9.5	11.71011	12.1	11.5	30.19854	30.31255	30.06318	2.02689	2.6	1.7	21.27453	0.00999	21.27139	220424956	4050310	79
08/25/2017 06:06:15	16.67425	16.69095	16.64091	730.87646	730.89996	730.79998	9.66948	9.9	9.4	11.54376	11.7	11.3	30.15699	30.25713	30.03547	1.87428	2.3	1.5	21.35774	0.04562	21.35444	220424956	4050310	79
08/25/2017 06:11:15	16.67556	16.70407	16.6501	730.87878	730.89996	730.79998	9.57644	9.8	9.4	11.38721	11.6	11.1	30.20588	30.34026	30.09088	1.81077	2.1	1.3	21.44094	0.09494	21.43777	220424956	4050310	79
08/25/2017 06:16:16	16.67574	16.70302	16.65645	730.94421	731	730.89996	9.57053	9.7	9.3	11.92969	12.2	11.6	30.28026	30.39567	30.20172	2.35915	2.8	2	21.52415	0.07861	21.52139	220424956	4050310	79
08/25/2017 06:21:16	16.67514	16.70228	16.65987	731.01098	731.09997	731	9.59061	9.8	9.3	12.23275	12.5	12.1	30.37088	30.45109	30.25713	2.64214	2.9	2.39999	21.60736	0.03932	21.60472	220424956	4050310	79
08/25/2017 06:26:16	16.67514	16.70228	16.65987	731.01098	731.09997	731	9.59061	9.8	9.3	12.23275	12.5	12.1	30.37088	30.45109	30.25713	2.64214	2.9	2.39999	21.69058	0.02877	21.68777	220424956	4050310	79
08/25/2017 06:31:15	16.67566	16.70324	16.63829	731.09997	731.09997	731.09997	9.61898	9.9	9.5	12.48694	12.8	12.2	30.36238	30.42338	30.25713	2.86795	3.3	2.5	21.77379	0.07866	21.77111	220424956	4050310	79
08/25/2017 06:36:16	16.67583	16.70962	16.63999	731.18658	731.29998	731.09997	9.69021	9.9	9.5	12.59035	12.8	12.4	30.25869	30.42338	30.09088	2.90013	3.3	2.6	21.857	0.02892	21.85444	220424956	4050310	79

08/25/2017 06:41:15	16.6748	16.70367	16.63751	731.20001	731.20001	731.20001	9.78356	9.9	9.5	12.37322	12.8	12.1	30.12707	30.22942	30.03547	2.58965	3	2.19999	21.9402	0.03931	21.93777	220424956	4050310	79
08/25/2017 06:46:16	16.67426	16.69091	16.65785	731.20001	731.20001	731.20001	9.84666	10.1	9.7	12.45789	12.7	12.2	30.10374	30.22942	30.03547	2.61123	3	2.39999	22.0234	0.07241	22.02139	220424956	4050310	79
08/25/2017 06:51:15	16.67426	16.69091	16.65785	731.20001	731.20001	731.20001	9.84666	10.1	9.7	12.45789	12.7	12.2	30.10374	30.22942	30.03547	2.61123	3	2.39999	22.10661	0.01659	22.10444	220424956	4050310	79
08/25/2017 06:56:16	16.67613	16.70757	16.65536	731.28753	731.29998	731.20001	9.93324	10.1	9.7	12.29712	12.5	12.1	30.10006	30.20172	30.00776	2.36388	2.6	2.1	22.18983	0.06201	22.18805	220424956	4050310	79
08/25/2017 07:01:15	16.67613	16.70757	16.65536	731.28753	731.29998	731.20001	9.93324	10.1	9.7	12.29712	12.5	12.1	30.10006	30.20172	30.00776	2.36388	2.6	2.1	22.27304	0.03926	22.27111	220424956	4050310	79
08/25/2017 07:06:15	16.67525	16.69944	16.64725	731.29998	731.29998	731.29998	9.94324	10.1	9.8	12.14255	12.3	11.9	30.08815	30.17401	30.03547	2.1993	2.4	1.9	22.35625	0.0786	22.35444	220424956	4050310	79
08/25/2017 07:11:15	16.67578	16.6948	16.65536	731.29998	731.29998	731.29998	9.98695	10.3	9.8	12.29968	12.4	12.1	30.09681	30.22942	30.00776	2.31273	2.5	2	22.43945	0.02272	22.43777	220424956	4050310	79
08/25/2017 07:16:16	16.67664	16.69653	16.64605	731.32409	731.39996	731.29998	10.02934	10.3	9.9	12.42305	12.8	12.2	30.09049	30.1463	30.03547	2.3937	2.89999	2	22.52266	0.02272	22.52111	220424956	4050310	79
08/25/2017 07:21:16	16.67548	16.69695	16.64477	731.39996	731.39996	731.39996	10.11039	10.3	9.9	12.47067	12.8	12.2	30.07387	30.1463	30.00776	2.41479	2.39999	1.8	22.60586	0	22.60472	220424956	4050310	79
08/25/2017 07:26:15	16.67548	16.69695	16.64477	731.39996	731.39996	731.39996	10.11039	10.3	9.9	12.18281	12.3	11.9	30.05903	30.11859	29.95234	2.07241	2.39999	1.8	22.68906	0.03926	22.68777	220424956	4050310	79
08/25/2017 07:31:16	16.67408	16.69908	16.65503	731.49365	731.5	731.39996	10.17395	10.4	10	12.17648	12.4	11.9	30.06924	30.11859	29.98005	2.00253	2.4	1.8	22.77227	0.04546	22.77139	220424956	4050310	79
08/25/2017 07:36:16	16.67563	16.70431	16.65039	731.54827	731.59997	731.5	10.24294	10.4	10	12.48681	12.8	12.1	30.02188	30.1463	29.86922	2.24386	2.6	1.8	22.85548	0.03934	22.85472	220424956	4050310	79
08/25/2017 07:41:15	16.67563	16.70431	16.65039	731.54827	731.59997	731.5	10.24294	10.4	10	12.48681	12.8	12.1	30.02188	30.1463	29.86922	2.24386	2.6	1.8	22.93869	0.0107	22.93777	220424956	4050310	79
08/25/2017 07:46:16	16.67537	16.69417	16.65468	731.59997	731.59997	731.59997	10.28348	10.4	10.1	12.95572	13.3	12.8	29.92975	29.98005	29.86922	2.67223	3.5	2.6	23.0219	0.07356	23.02139	220424956	4050310	79
08/25/2017 07:51:16	16.67622	16.70077	16.65325	731.63818	731.70001	731.59997	10.48079	10.7	10.1	13.56297	14.1	13	29.84562	29.98005	29.67527	3.08217	3.5	2.6	23.1051	0.01109	23.10444	220424956	4050310	79
08/25/2017 07:56:16	16.6763	16.71098	16.6499	731.71209	731.79998	731.70001	11.04089	11.3	10.6	13.96014	14.3	13.6	29.753	29.86922	29.64756	2.91925	3.1	2.6	23.18831	0.05083	23.18805	220424956	4050310	79
08/25/2017 08:01:16	16.6763	16.71098	16.6499	731.71209	731.79998	731.70001	11.04089	11.3	10.6	13.96014	14.3	13.6	29.753	29.86922	29.64756	2.91925	3.8	2.6	23.27153	0.0539	23.27139	220424956	4050310	79
08/25/2017 08:06:15	16.67487	16.70307	16.65292	731.7492	731.89996	731.70001	11.38381	11.7	11.1	14.61645	15.1	14.1	29.75842	29.8138	29.61985	3.23264	3.8	2.6	23.35474	0.10189	23.35444	220424956	4050310	79
08/25/2017 08:11:16	16.67613	16.71386	16.64413	731.85034	731.89996	731.79998	12.25276	12.5	11.9	15.20715	15.5	14.7	29.71795	29.8138	29.59214	2.95439	3.3	2.2	23.43796	0.02452	23.43805	220424956	4050310	79
08/25/2017 08:16:16	16.67558	16.69944	16.65044	731.88086	731.89996	731.79998	12.64233	13	12.3	15.20715	15.5	14.7	29.71795	29.8138	29.59214	2.95439	2.8	2	23.52117	0.05688	23.52139	220424956	4050310	79
08/25/2017 08:21:16	16.67558	16.69944	16.65044	731.88086	731.89996	731.79998	12.64233	13	12.3	15.20627	15.5	14.8	29.68682	29.7861	29.59214	2.56394	2.8	2	23.60437	0.00842	23.60444	220424956	4050310	79
08/25/2017 08:26:15	16.675	16.69271	16.65782	731.90087	732	731.89996	12.96663	13.4	12.8	15.73418	16	15.4	29.56647	29.70297	29.4259	2.76755	3	2.4	23.68758	0.00495	23.68777	220424956	4050310	79
08/25/2017 08:31:16	16.6764	16.71055	16.64074	732.01208	732.09997	731.89996	13.34681	13.7	12.9	16.34727	16.69999	15.9	29.53982	29.67527	29.4259	3.00045	3.4	2.59999	23.77078	0.0448	23.77111	220424956	4050310	79
08/25/2017 08:36:15	16.67614	16.69449	16.65468	732	732	732	13.73641	14.2	13.5	16.61084	16.9	16.4	29.55018	29.64756	29.4536	2.87443	3.19999	2.49999	23.85399	0.02725	23.85444	220424956	4050310	79
08/25/2017 08:41:16	16.67694	16.71715	16.65605	732.02014	732.09997	732	14.60583	14.9	14.3	16.7793	17	16.5	29.33507	29.50902	29.17652	2.17347	2.69999	1.69999	23.9372	0.00378	23.93805	220424956	4050310	79
08/25/2017 08:46:16	11.96139	16.69234	0	732.0697	732.09997	732	15.01022	15.3	14.7	17.10857	17.3	17	23.97844	29.34277	10.27967	2.09835	2.4	1.69999	23.99996	0	24.00027	220424956	4050310	79
08/25/2017 08:51:16	0	0	0	732.00335	732.09997	732	15.31959	15.5	14.9	17.50269	17.8	17.1	10.33508	10.33508	10.33508	2.18309	2.49999	1.8	23.99996	0	24.00027	220424956	4050310	79
08/25/2017 08:56:15	0	0	0	732.00335	732.09997	732	15.31959	15.5	14.9	17.50269	17.8	17.1	10.33508	10.33508	10.33508	2.18309	2.49999	1.8	23.99996	0	24.00027	220424956	4050310	79

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	1	
Source	D 12000	
Sampling Method	Event Bit	
Device	M 972	
	VRL1-PM10	

Date and Time	Qvol Avg	Qvol max	Qvol min	Pa Avg	Pa Max	Pa Min	Tfilter Avg	Tfilter Max	Tfilter Min	Tamb Avg	Tamb Max	Tamb Min	Press Avg	Press Max	Press Min	Tvar Avg	Tvar Max	Tvar Min	Flow Total	Flow CV	Sample Time	Filter ID	Site ID	Unit S/N
08/21/2017 18:01:25	0	0	0	738.50085	748.5	735.40002	29.90452	31.9	29.2	22.49989	26.6	22.2	116.67746	194.34393	0	7.40462	8	5.3	24.19915	0	24	220297454	30301010	85
08/21/2017 18:06:25	0	0	0	735.83221	735.90002	735.79998	28.72347	29.2	28.2	22.15501	22.4	22.1	37.17291	180.54531	16.48626	6.56846	7	6.1	24.19915	0	24	220297454	30301010	85
08/21/2017 18:11:25	0	0	0	735.83221	735.90002	735.79998	28.72347	29.2	28.2	22.15501	22.4	22.1	37.17291	180.54531	16.48626	6.56846	7	6.1	24.19915	0	24	220297454	30301010	85
08/21/2017 18:16:25	0	0	0	735.79498	735.79998	735.70001	27.71676	28.2	27.3	21.93891	22.1	21.7	16.65742	16.79104	16.56938	5.77785	6.1	5.5	24.19915	0	24	220297454	30301010	85
08/21/2017 18:21:25	3.81054	16.68992	0	734.42291	735.90002	730.5	25.97192	26.5	25.1	22.62721	25	21.4	18.96883	27.29237	16.59709	3.34471	4.99999	0.1	24.19915	0.07412	24	220297454	30301010	85
08/21/2017 18:26:25	3.81054	16.68992	0	734.42291	735.90002	730.5	25.97192	26.5	25.1	22.62721	25	21.4	18.96883	27.29237	16.59709	3.34471	4.99999	0.1	24.20019	0	24	220297454	30301010	85
08/21/2017 18:31:25	1.45733	18.32252	0	730.64941	730.69995	730.59997	24.95531	25.1	24.8	24.78226	25	24.6	17.64598	29.28735	16.48626	0.17979	0.4	0	24.20019	0	24	220424904	4010110	85
08/21/2017 18:36:25	4.00442	16.69686	0	730.59503	730.69995	730.5	24.41883	24.5	24.2	24.56211	24.9	24.3	21.03049	35.16145	16.6525	0.16222	0.4	0	0.02234	0.00832	0.02361	220424904	4010110	85
08/21/2017 18:41:25	16.67829	16.70176	16.65835	730.51715	730.59997	730.5	24.22347	24.4	24.1	24.18588	24.3	24.1	35.14463	35.24457	35.05062	0.11006	0.3	0	0.10573	0	0.10694	220424904	4010110	85
08/21/2017 18:46:25	16.67829	16.70176	16.65835	730.51715	730.59997	730.5	24.22347	24.4	24.1	24.18588	24.3	24.1	35.14463	35.24457	35.05062	0.11006	0.3	0	0.18911	0.02049	0.19	220424904	4010110	85
08/21/2017 18:51:25	16.67607	16.6928	16.6609	730.68884	730.79998	730.5	24.10908	24.2	23.9	23.98551	24.1	23.9	35.18524	35.24457	35.10603	0.12357	0.3	0	0.27247	0	0.27333	220424904	4010110	85
08/21/2017 18:56:25	16.67333	16.69046	16.66112	730.78985	730.79998	730.69995	23.92153	24.1	23.8	23.90669	24	23.8	35.29892	35.49394	35.13374	0.06187	0.19999	0	0.35586	0.0379	0.35666	220424904	4010110	85
08/21/2017 19:01:25	16.67643	16.69046	16.66197	730.85046	731	730.69995	23.76196	23.9	23.7	23.98084	24.1	23.9	35.40805	35.52166	35.29998	0.21888	0.4	0	0.43923	0.0205	0.44	220424904	4010110	85
08/21/2017 19:06:25	16.67472	16.69318	16.65665	731.07879	731.19995	731	23.66966	23.7	23.6	23.82492	24	23.7	35.45619	35.52166	35.3277	0.15525	0.3	0	0.52261	0	0.52333	220424904	4010110	85
08/21/2017 19:11:25	16.67522	16.69336	16.66063	731.16662	731.19995	731.09997	23.54273	23.6	23.5	23.72259	23.9	23.5	35.48252	35.74331	35.38311	0.18659	0.4	0	0.60599	0.03783	0.60666	220424904	4010110	85
08/21/2017 19:16:25	16.67733	16.70038	16.65702	730.90197	731	730.89996	23.4157	23.5	23.2	23.49128	23.7	23.4	35.86655	36.0204	35.66019	0.1092	0.5	0	0.68937	0.05506	0.69027	220424904	4010110	85
08/21/2017 19:21:25	16.67733	16.70038	16.65702	730.90197	731	730.89996	23.24709	23.5	23.2	23.42918	23.7	23.2	35.97731	36.07582	35.88186	0.18882	0.5	0	0.77274	0.04113	0.77333	220424904	4010110	85
08/21/2017 19:26:25	16.6743	16.70571	16.65662	730.85656	731	730.79998	23.1697	23.3	23.1	23.15853	23.3	22.9	36.00837	36.10352	35.93727	0.04948	0.3	0	0.85612	0.03772	0.85666	220424904	4010110	85
08/21/2017 19:31:25	16.67634	16.70117	16.65211	731.20196	731.29998	731.19995	22.93263	23	22.7	22.85953	23.1	22.8	35.94651	36.0481	35.82644	0.09998	0.2	0	0.9395	0.05484	0.94027	220424904	4010110	85
08/21/2017 19:36:25	16.67634	16.70117	16.65211	731.20196	731.29998	731.19995	22.93263	23	22.7	22.85953	23.1	22.8	35.94651	36.0481	35.82644	0.09998	0.2	0	1.02287	0.03773	1.02333	220424904	4010110	85
08/21/2017 19:41:25	16.6755	16.69911	16.65925	731.08477	731.19995	731	22.77201	22.9	22.7	22.79997	22.9	22.7	36.00838	36.07582	35.90956	0.09324	0.2	0	1.10626	0.00832	1.10666	220424904	4010110	85
08/21/2017 19:46:25	16.67669	16.69702	16.65238	730.91815	731	730.79998	22.636	22.7	22.5	22.61815	22.9	22.5	36.08926	36.21435	35.96498	0.09662	0.2	0	1.18962	0.02061	1.19	220424904	4010110	85
08/21/2017 19:51:25	16.6736	16.69368	16.65141	730.89392	730.89996	730.79998	22.51244	22.6	22.4	22.36862	22.5	22.2	36.11221	36.21435	35.96498	0.14381	0.4	0.1	1.27299	0	1.27333	220424904	4010110	85
08/21/2017 19:56:25	16.67499	16.69846	16.64564	730.89996	730.89996	730.89996	22.42591	22.5	22.3	22.14839	22.3	22	36.12983	36.24206	36.0204	0.27751	0.4	0.1	1.35638	0.00833	1.35666	220424904	4010110	85
08/21/2017 20:01:25	16.67511	16.69067	16.65531	731.09484	731.09997	731	22.03024	22.1	21.9	21.71482	21.9	21.6	35.87038	35.99269	35.71561	0.31542	0.5	0.1	1.43975	0.00832	1.44027	220424904	4010110	85
08/21/2017 20:06:25	16.67511	16.69067	16.65531	731.09484	731.09997	731	22.03024	22.1	21.9	21.71482	21.9	21.6	35.87038	35.99269	35.71561	0.31542	0.5	0.1	1.52312	0.02523	1.52333	220424904	4010110	85
08/21/2017 20:11:25	16.6742	16.68954	16.65663	730.98278	731	730.89996	21.87965	22	21.7	21.63356	21.9	21.5	35.97906	36.13123	35.79873	0.24609	0.4	0	1.6065	0.02522	1.60666	220424904	4010110	85
08/21/2017 20:16:25	16.67437	16.699	16.65347	730.98986	731.09997	730.89996	21.44597	21.5	21.2	21.25608	21.4	21	36.04811	36.18664	35.99269	0.18989	0.4	0	1.68987	0.05433	1.69027	220424904	4010110	85
08/21/2017 20:21:25	16.67437	16.699	16.65347	730.98986	731.09997	730.89996	21.44597	21.5	21.2	21.25608	21.4	21	36.04811	36.18664	35.99269	0.18989	0.4	0	1.77324	0.10399	1.77333	220424904	4010110	85
08/21/2017 20:26:25	16.67564	16.6968	16.6466	730.98394	731.09997	730.89996	21.2336	21.4	21.1	20.85174	21	20.7	36.09399	36.26977	35.96498	0.38185	0.5	0.2	1.85663	0.07487	1.85666	220424904	4010110	85
08/21/2017 20:31:25	16.67684	16.70037	16.65837	731.08886	731.19995	731	21.11661	21.2	20.9	20.59551	20.8	20.4	36.11977	36.21435	36.0204	0.5211	0.7	0.3	1.94	0	1.94	220424904	4010110	85
08/21/2017 20:36:25	16.67546	16.68987	16.64441	731.10107	731.19995	731.09997	20.83256	20.9	20.7	20.39555	20.5	20.3	36.11554	36.24206	35.99269	0.43701	0.5	0.3	2.02337	0	2.02333	220424904	4010110	85
08/21/2017 20:41:25	16.67463	16.68872	16.65491	731.21417	731.29998	731.09997	20.64262	20.8	20.5	20.24944	20.3	20.2	36.15057	36.24206	36.0481	0.39319	0.5	0.2	2.10676	0.04155	2.10666	220424904	4010110	85
08/21/2017 20:46:25	16.67611	16.68871	16.65143	731.29992	731.29998	731.19995	20.35856	20.6	20.1	20.13927	20.2	19.9	36.17683	36.24206	36.07582	0.21928	0.4	0	2.19011	0.02911	2.19	220424904	4010110	85
08/21/2017 20:51:25	16.67175	16.69218	16.66075	731.29705	731.39996	731.19995	20.12581	20.3	20	19.92019	20.2	19.8	36.18777	36.26977	36.10352	0.20561	0.3	0	2.27347	0.00833	2.27333	220424904	4010110	85
08/21/2017 20:56:25	16.67517	16.69566	16.65374	731.208	731.29998	731.09997	19.67762	19.9	19.6	19.65614	19.8	19.6	36.28797	36.3806	36.18664	0.06181	0.3	0	2.35684	0.03734	2.35694	220424904	4010110	85
08/21/2017 21:01:25	16.67517	16.69566	16.65374	731.208	731.29998	731.09997	19.67762	19.9	19.6	19.65614	19.8	19.6	36.28797	36.3806	36.18664	0.06181	0.3	0	2.4402	0.0208	2.44	220424904	4010110	85
08/21/2017 21:06:25	16.67604	16.69795	16.66191	731.19189	731.19995	731.09997	19.53263	19.7	19.4	19.59997	19.7	19.5	36.321	36.40831	36.21435	0.07405	0.19999	0	2.52356	0.03733	2.52333	220424904	4010110	85
08/21/2017 21:11:25	16.67839	16.6921	16.64905	731.28985	731.29998	731.19995	19.208	19.4	19.1	19.47308	19.5	19.3	36.32912	36.40831	36.24206	0.2718	0.4	0	2.60696	0.07892	2.60694	220424904	4010110	85
08/21/2017 21:16:25	16.67839	16.6921	16.64905	731.28985	731.29998	731.19995	19.208	19.4	19.1	19.47308	19.5	19.3	36.32912	36.40831	36.24206	0.2718	0.4	0	2.69034	0.02082	2.69	220424904	4010110	85
08/21/2017 21:21:25	16.67351	16.69314	16.65595	731.34033	731.5	731.29998	18.89989	19	18.8	19.19555	19.3	19	36.33438	36.40831	36.24206	0.29565	0.4	0.19999	2.7737	0.00442	2.77361	220424904	4010110	85
08/21/2017 21:26:25	16.67351	16.69314	16.65595	731.34033	731.5	731.29998	18.89989	19	18.8	19.19555	19.3	19	36.33438	36.40831	36.24206	0.29565	0.4	0.1	2.85706	0.01639	2.85694	220424904	4010110	85
08/21/2017 21:31:25	16.6724	16.69423	16.65472	731.29089	731.39996	731.19995	18.80304	18.9	18.5	19.01569	19.2	18.9	36.38203	36.49143	36.29747	0.21265	0.4	0.1	2.94043	0.03717	2.94	220424904	4010110	85
08/21/2017 21:36:25	16.67572	16.69168	16.6522	731.29693	731.29998	731.19995	18.43598	18.5	18.4	18.55279	18.6	18.5	36.4696	36.57456	36.35289	0.1168	0.19999	0	3.02382	0.03717	3.02361	220424904	4010110	85
08/21/2017 21:41:25	16.67572	16.69168	16.6522	731.29693	731.29998	731.19995	18.43598	18.5	18.4	18.55279	18.6	18.5	36.4696	36.57456	36.35289	0.1168	0.19999	0	3.10718	0.03718	3.10666	220424904	4010110	85
08/21/2017 21:46:25	16.67496	16.68793	16.65201	731.38293	731.5	731.19995	18.32584	18.4	18.2	18.43935	18.5	18.3	36.48384	36.57456	36.32519	0.11351	0.2	0.1	3.19055	0	3.19027	220424904	4010110	85
08/21/2017 21:51:25	16.67496	16.68793	16.65201	731.57891	731.69995	731.39996	18.17981	18.2	18.1	18.29874	18.4	18.1	36.45587	36.57456	36.35289	0.13261	0.2	0.1	3.27391	0.00831	3.27333	220424904	4010110	85
08/21/2017 21:56:25	16.6728	16.68559	16.65072	731.67175	731.69995	731.5	18.03147	18.2	17.9	18.17391	18.3	18.1	36.4429	36.54685	36.26977	0.14713	0.4	0	3.35726	0.03709	3.35666	220424904	4010110	85
08/21/2017 22:01:25	16.67259	16.691	16.6494	731.63733	731.69995	731.5	17.86292	18.1	17.8	17.92823	18.1	17.8	36.4346	36.54685	36.32519	0.06531	0.19999	0	3.44063	0.03227	3.44	220424904	4010110	85
08/21/2017 22:06:25	16.67376	16.7014	16.65072	731.70501	731.79998	731.5	17.71231	17.9	17.6	17.97385	18.1	17.7	36.37778	36.49143	36.26977	0.26153	0.5	0	3.52399	0.02041	3.52333	220424904	4010110	85
08/21/2017 22:11:25	16.67404	16.68746	16.65041	731.62701	731.79998	731.5	17.56285	17.6	17.5	17.82001	17.9	17.7	36.49186	36.62997	36.35289	0.25716	0.4	0.1	3.60737	0.03703	3.60666	220424904	4010110	85
08/21/2017 22:16:25	16.67923	16.68965	16.65614	731.70092	731.79998	731.69995	17.20235	17.3	17.2	17.7	17.9	17.5	36.48863	36.62997	36.35289	0.49765	0.7	0.3	3.69077	0	3.69027	220424904	4010110	85
08/21/2017 22:21:25	16.67923	16.68965	16.65614	731.70092	731.79998	731.69995	17.20235	17.3	17.2	17.7	17.9	17.5	36.48863	36.62997	36.35289	0.49765	0.7	0.3	3.77416	0.00486	3.77333	220424904	4010110	85
08/21/2017 22:26:25	16.6779	16.70004	16.65479	731.72729	731.79998	731.69995	17.13933	17.2	17.1	17.65265	17.7	17.5	36.53031	36.62997	36.40831	0.51332	0.6	0.3	3.85752	0.07895	3.85666	220424904	4010110	85
08/21/2017 22:31:25	16.67676	16.6977	16.65479	731.79998	731.79998	731.79998	17.06962	17.1	17	17.66165	17.7	17.5	36.50065	36.62997	36.3806	0.59203	0.69999	0.4	3.94089	0	3.94	220424904	4010110	85
08/21/2017 22:36:25	16.67709	16.6977	16.65479	731.79998	731.79998	731.79998	16.9662	17.1	16.9	17.68651	17.7	17.5	36.47738	36.54685	36.3806	0.7203	0.8	0.4	4.02428	0.03709	4.02333	220424904	4010110	85
08/21/2017 22:41:25	16.67626	16.69906	16.661	731.84143	731.89996	731.79998	16.90336	17	16.7	17.93916	18.1	17.7	36.41072	36.54685	36.32519	1.0358	1.4	0.8	4.10767	0.00831	4.10666	220424904	4010110	85
08/21/2017 22:46:25	16.67684	16.6972	16.66595	731.87463	731.89996	731.79998	16.80565	16.9	16.7	18.24266	18.4	18	36.37835	36.46373	36.26977	1.437	1.7	1.09999	4.19103	0	4.19	220424904	4010110	85
08/21/2017 22:51:25	16.67589	16.69289	16.65449	731.89288	731.89996	731.79998	16.75379	16.9	16.7	18.62467	18.9	18.5	36.3666	36.43602	36.29747	1.87087	2.2	1.69999	4.2744	0.06258	4.27361	220424904	4010110	85
08/21/2017 22:56:25	16.6723	16.69875	16.66034	731.89276	731.89996	731.79998	16.78775	16.9	16.7	18.8718	19	18.7	36.41543	36.54685	36.26977	2.08405	2.3	1.8	4.35775	0.00831	4.35694	220424904	4010110	85
08/21/2017 23:01:25	16.6723	16.69875	16.66034	731.89276	731.89996	731.79998	16.78775	16.9	16.7	18.8718	19	18.7	36.41543	36.54685	36.26977	2.08405	2.3	1.8	4.44112	0	4.44	220424904	4010110	85
08/21/2017 23:06:25	16.67447	16.69523	16.65682	731.79998	731.79998	731.79998	16.88315	17	16.7	18.86306	19	18.6	36.51476	36.62997	36.40831	1.9799	2.09999	1.69999	4.52448	0	4.52361	220424904	4010110	85
08/21/2017 23:11:25	16.67444	16.69065	16.65349	731.79998	731.79998	731.79998	16.93377	17	16.9	18.91343	19	18.7	36.56017	36.65768	36.46373	1.97965	2.09999	1.69999	4.60785	0.01634	4.60666	220424904	4010110	85
08/21/2017 23:16:25	16.67435	16.69289	16.65224	731.80908	731.89996	731.79998	16.97664	17.1	16.9	18.91008	19	18.7	36.5728	36.65768	36.46373	1.93344	2.09999	1.69999	4.69122	0.04171	4.69	220424904	4010110	85
08/21/2017 23:21:25	16.67306	16.69523	16.64991	731.84954	731.89996	731.79998	17.03613	17.1	17	18.82608	18.9	18.6	36.52604	36.65768	36.40831	1.78995	1.9	1.5	4.77457	0.03718	4.77361	220424904	4010110	85
08/21/2017 23:26:25	16.67232	16.69289	16.64991	731.89996	731.89996	731.89996	17.08989	17.1	17	18.86303	18.9	18.6	36.52106	36.62997	36.40831	1.77313	1.9	1.5	4.85792	0.03718	4.85666	220424904	4010110	85
08/21/2017 23:31:25	16.67205	16.69289	16.64407	731.89996	731.89996	731.89996	17.10671	17.2	17.1	18.84624	18.9	18.6	36.54197	36.65768	36.43602	1.73952	1.8	1.5	4.94128	0.07427	4.94	220424904	4010110	85
08/21/2017 23:36:25	16.67709	16.69031	16.66362	731.89996	731.89996	731.89996	17.14721	17.2	17.1	18.48301	18.6	18.4	36.60038	36.68538	36.51915	1.54043	1.5	1.2	5.02466	0.058	5.02361	220424904	4010110	85
08/21/2017 23:41:25	16.67709	16.69031	16.66362	731.89996	731.89996	731.89996	17.14721	17.2	17.1	18.48301	18.6	18.4	36.60038	36.68538	36.51915	1.3358	1.5	1.2	5.10802	0.03714	5.10666	220424904	4010110	85
08/21/2017 23:46:25	16.67728	16.689	16.65646	731.906	732	731.89996	17.12687	17.2	17.1	18.24825	18.4	18.1	36.61186	36.68538	36.49143	1.12137	1.3	0.9	5.19139	0.0418	5.19027	220424904	4010110	85
08/21/2017 23:51:25	16.67728	16.689	16.65646	731.906	732	731.89996	17.12687	17.2	17.1	18.24825	18.4	18.1	36.61186	36.68538	36.49143	1.12137	1.3	0.9	5.27477	0.03712	5.27333	220424904	4010110	85
08/21/2017 23:56:25	16.67803	16.69941	16.65646	731.90802	732	731.89996	17.08301	17.1	17	18.22601	18.4	18.1	36.64683	36.7408	36.57456	1.143	1.3	1	5.35816	0.05799	5.35694	220424904	4010110	85
08/22/2017 00:01:25	16.6758	16.69133	16.66362	731.8786	731.89996	731.79998	17.0504	17.1	17	18.3437	18.4	18.3	36.6818	36.7408	36.62997	1.2933	1.4	1.2	5.44152	0.02089	5.44027	220424904	4010110	85
08/22/2017 00:06:25	16.6758	16.69133	16.66362	731.8786	731.89996	731.79998	17.0504	17.1	17	18.3437	18.4	18.3	36.6818	36.7408	36.62997	1.2933	1.4	1.2	5.52489	0.02877	5.52333	220424904	4010110	85

08/22/2017 00:11:25	16.67516	16.69	16.65879	731.85559	731.89996	731.79998	17.04722	17.1	16.9	18.13838	18.3	18	36.74131	36.85163	36.62997	1.09115	1.3	0.9	5.60826	0	5.60666	220424904	4010110	85
08/22/2017 00:16:25	16.67448	16.69672	16.65514	731.89996	731.89996	731.89996	17.0023	17.1	16.9	17.94857	18.1	17.8	36.75765	36.85163	36.62997	0.94626	1.19999	0.8	5.69163	0	5.69	220424904	4010110	85
08/22/2017 00:21:25	16.67523	16.68633	16.65967	731.89996	731.89996	731.89996	16.91243	17.1	16.7	17.86955	17.9	17.7	36.68113	36.76851	36.60227	0.95712	1.2	0.69999	5.77501	0.09506	5.77361	220424904	4010110	85
08/22/2017 00:26:25	16.67361	16.69536	16.65381	731.89996	731.89996	731.89996	16.91243	17.1	16.7	17.86955	17.9	17.7	36.68113	36.76851	36.60227	0.95712	1.1	0.59999	5.85838	0.03219	5.85694	220424904	4010110	85
08/22/2017 00:31:25	16.67361	16.69536	16.65381	731.89996	731.89996	731.89996	16.816	17	16.7	17.68219	17.8	17.5	36.69373	36.79622	36.60227	0.86619	1.1	0.59999	5.94175	0.01604	5.94	220424904	4010110	85
08/22/2017 00:36:25	16.67389	16.69848	16.65246	731.89996	731.89996	731.89996	16.71475	16.9	16.6	17.46099	17.7	17.3	36.75899	36.87934	36.62997	0.74624	1	0.59999	6.02512	0	6.02333	220424904	4010110	85
08/22/2017 00:41:25	16.6729	16.69708	16.65246	731.89996	731.89996	731.89996	16.6765	16.9	16.5	17.30805	17.5	17.2	36.79293	36.87934	36.62997	0.63155	0.8	0.4	6.10848	0	6.10666	220424904	4010110	85
08/22/2017 00:46:25	16.67443	16.69119	16.64692	731.89996	731.89996	731.89996	16.48298	16.5	16.4	16.87067	17.2	16.7	36.79102	36.87934	36.7131	0.38768	0.69999	0.3	6.19184	0.021	6.19027	220424904	4010110	85
08/22/2017 00:51:25	16.67443	16.69119	16.64692	731.89996	731.89996	731.89996	16.48298	16.5	16.4	16.87067	17.2	16.7	36.79102	36.87934	36.7131	0.38768	0.69999	0.3	6.2752	0.07894	6.27333	220424904	4010110	85
08/22/2017 00:56:25	16.67472	16.69423	16.64692	731.89996	731.89996	731.89996	16.24142	16.4	16.1	16.69426	16.8	16.6	36.84759	36.96247	36.7408	0.45284	0.7	0.19999	6.35857	0	6.35694	220424904	4010110	85
08/22/2017 01:01:25	16.67472	16.69423	16.64692	731.89996	731.89996	731.89996	16.24142	16.4	16.1	16.69426	16.8	16.6	36.84759	36.96247	36.7408	0.45284	0.7	0.19999	6.44194	0.07372	6.44	220424904	4010110	85
08/22/2017 01:06:25	16.67531	16.69957	16.64639	731.84533	731.89996	731.79998	16.07651	16.1	16	16.53112	16.7	16.3	36.82955	36.93476	36.68538	0.45461	0.6	0.2	6.52532	0.00751	6.52333	220424904	4010110	85
08/22/2017 01:11:25	16.67722	16.69957	16.65441	731.7937	731.89996	731.69995	15.97524	16.1	15.9	16.34367	16.5	16.2	36.93162	37.01789	36.82393	0.36842	0.49999	0.2	6.60868	0	6.60666	220424904	4010110	85
08/22/2017 01:16:25	16.6757	16.70044	16.65318	731.70196	731.79998	731.69995	15.89328	16	15.8	16.24937	16.3	16.2	36.97664	37.04559	36.90705	0.35609	0.5	0.3	6.69203	0	6.69	220424904	4010110	85
08/22/2017 01:21:25	16.6746	16.69453	16.64961	731.66748	731.69995	731.59997	15.68178	15.8	15.5	16.18656	16.2	16	36.99044	37.10101	36.90705	0.50478	0.69999	0.19999	6.77539	0	6.77361	220424904	4010110	85
08/22/2017 01:26:25	16.6746	16.69453	16.64961	731.66748	731.69995	731.59997	15.68178	15.8	15.5	16.18656	16.2	16	36.99044	37.10101	36.90705	0.50478	0.69999	0.19999	6.85876	0.02104	6.85666	220424904	4010110	85
08/22/2017 01:31:25	16.67601	16.6992	16.65995	731.54034	731.59997	731.39996	15.50674	15.7	15.5	16.16643	16.2	16	37.01163	37.10101	36.93476	0.65968	0.69999	0.49999	6.94211	0	6.94	220424904	4010110	85
08/22/2017 01:36:25	16.67197	16.69354	16.65216	731.33825	731.39996	731.29998	15.36618	15.4	15.2	16.19765	16.3	16.1	37.03408	37.12871	36.90705	0.83146	1	0.69999	7.02546	0.04521	7.02361	220424904	4010110	85
08/22/2017 01:41:25	16.67468	16.69944	16.65216	731.29699	731.39996	731.19995	15.246	15.4	15.2	16.23021	16.3	16.2	37.07886	37.15643	36.99018	0.98421	1.1	0.9	7.10883	0	7.10694	220424904	4010110	85
08/22/2017 01:46:25	16.67468	16.69944	16.65216	731.29699	731.39996	731.19995	15.246	15.4	15.2	16.23021	16.3	16.2	37.07886	37.15643	36.99018	0.98421	1.1	0.9	7.19219	0.05791	7.19	220424904	4010110	85
08/22/2017 01:51:25	16.67392	16.69587	16.65216	731.29693	731.39996	731.19995	15.18321	15.2	15.1	16.20984	16.3	16.1	37.1186	37.18413	37.04559	1.02663	1.2	0.9	7.27555	0.08206	7.27361	220424904	4010110	85
08/22/2017 01:56:25	16.67392	16.69587	16.65216	731.29693	731.39996	731.19995	15.18321	15.2	15.1	16.20984	16.3	16.1	37.1186	37.18413	37.04559	1.02663	1.2	0.9	7.35892	0.07376	7.35666	220424904	4010110	85
08/22/2017 02:01:25	16.67374	16.69587	16.65216	731.20599	731.29998	731.19995	15.17649	15.2	15.1	16.23483	16.3	16.1	37.13688	37.26726	37.04559	1.05833	1.2	0.9	7.44228	0.03689	7.44	220424904	4010110	85
08/22/2017 02:06:25	16.67225	16.69143	16.65449	731.19995	731.19995	731.19995	15.14938	15.2	15.1	16.26618	16.3	16.2	37.1574	37.23955	37.0733	1.1168	1.2	0.9	7.52567	0.03689	7.52361	220424904	4010110	85
08/22/2017 02:11:25	16.675	16.69587	16.66484	731.18188	731.19995	731.09997	15.1235	15.2	15.1	16.21682	16.3	16.1	37.19619	37.26726	37.12871	1.09331	1.2	0.9	7.60905	0.03378	7.60666	220424904	4010110	85
08/22/2017 02:16:25	16.67587	16.69821	16.65537	731.109	731.19995	731.09997	15.05974	15.1	14.9	16.02017	16.2	16	37.16312	37.29496	37.0733	0.96043	1.1	0.9	7.69243	0.01582	7.69027	220424904	4010110	85
08/22/2017 02:21:25	16.67587	16.69821	16.65537	731.109	731.19995	731.09997	15.05974	15.1	14.9	16.02017	16.2	16	37.16312	37.29496	37.0733	0.96043	1.1	0.9	7.77581	0.0452	7.77333	220424904	4010110	85
08/22/2017 02:26:25	16.67731	16.69377	16.66272	731.11029	731.19995	731.09997	14.95836	15.1	14.9	16.2111	16.3	16.1	37.17823	37.29496	37.0733	1.25274	1.4	1	7.85917	0.02936	7.85694	220424904	4010110	85
08/22/2017 02:31:25	16.67731	16.69377	16.66272	731.11029	731.19995	731.09997	14.95836	15.1	14.9	16.2111	16.3	16.1	37.17823	37.29496	37.0733	1.25274	1.4	1	7.94252	0	7.94	220424904	4010110	85
08/22/2017 02:36:25	16.67439	16.68553	16.65449	731.20092	731.29998	731.19995	14.91341	15.1	14.8	16.22349	16.3	16.2	37.17412	37.26726	37.0733	1.31008	1.4	1.1	8.02587	0	8.02361	220424904	4010110	85
08/22/2017 02:41:25	16.67439	16.68553	16.65449	731.20092	731.29998	731.19995	14.91341	15.1	14.8	16.22349	16.3	16.2	37.17412	37.26726	37.0733	1.31008	1.4	1.1	8.10922	0.03688	8.10666	220424904	4010110	85
08/22/2017 02:46:25	16.67245	16.68109	16.65004	731.2113	731.29998	731.19995	14.88657	15.1	14.8	16.27415	16.3	16.2	37.19912	37.32267	37.10101	1.38757	1.5	1.2	8.19257	0.02859	8.19027	220424904	4010110	85
08/22/2017 02:51:25	16.67245	16.68109	16.65004	731.2113	731.29998	731.19995	14.88657	15.1	14.8	16.27415	16.3	16.2	37.19912	37.32267	37.10101	1.38757	1.5	1.2	8.27601	0.03175	8.27333	220424904	4010110	85
08/22/2017 02:56:25	16.67391	16.69289	16.65004	731.22912	731.29998	731.19995	14.87986	15.1	14.8	16.36719	16.5	16.3	37.20798	37.29496	37.12871	1.48732	1.69999	1.2	8.35943	0	8.35666	220424904	4010110	85
08/22/2017 03:01:25	16.67228	16.68109	16.65004	731.21307	731.29998	731.19995	14.89091	15.1	14.8	16.28322	16.3	16.2	37.21205	37.32267	37.15643	1.3923	1.5	1.2	8.44285	0.07382	8.44027	220424904	4010110	85
08/22/2017 03:06:25	16.67228	16.68109	16.65004	731.21307	731.29998	731.19995	14.89091	15.1	14.8	16.28322	16.3	16.2	37.21205	37.32267	37.15643	1.3923	1.5	1.2	8.52629	0	8.52333	220424904	4010110	85
08/22/2017 03:11:25	16.67157	16.68253	16.65004	731.19995	731.19995	731.19995	14.92743	15.1	14.8	16.29999	16.5	16.2	37.25164	37.35038	37.12871	1.37256	1.59999	1.1	8.6097	0.03175	8.60666	220424904	4010110	85
08/22/2017 03:16:25	16.67495	16.69055	16.65339	731.34478	731.5	731.19995	14.91479	15.1	14.8	16.38116	16.5	16.3	37.22539	37.32267	37.12871	1.46637	1.59999	1.2	8.69317	0	8.69	220424904	4010110	85
08/22/2017 03:21:25	16.67393	16.69477	16.64304	731.52545	731.59997	731.5	14.92987	15.1	14.8	16.33827	16.5	16.3	37.15415	37.26726	37.0733	1.4084	1.59999	1.2	8.77662	0	8.77333	220424904	4010110	85
08/22/2017 03:26:25	16.6725	16.69389	16.65106	731.59594	731.69995	731.5	14.92542	15.1	14.9	16.32013	16.5	16.3	37.19126	37.29496	37.10101	1.3947	1.59999	1.2	8.86009	0.04207	8.85694	220424904	4010110	85
08/22/2017 03:31:25	16.6725	16.69389	16.65106	731.59594	731.69995	731.5	14.92542	15.1	14.9	16.32013	16.5	16.3	37.19126	37.29496	37.10101	1.3947	1.4	1.1	8.94351	0.02105	8.94	220424904	4010110	85
08/22/2017 03:36:25	16.67375	16.69243	16.65907	731.62414	731.69995	731.59997	14.95567	15.1	14.8	16.28658	16.3	16.2	37.14822	37.26726	37.10101	1.33091	1.4	1.1	9.02694	0.01583	9.02333	220424904	4010110	85
08/22/2017 03:41:25	16.67476	16.69477	16.6614	731.57251	731.59997	731.5	14.93824	15.1	14.8	16.24265	16.3	16.2	37.21751	37.32267	37.10101	1.30441	1.5	1.1	9.11038	0	9.10666	220424904	4010110	85
08/22/2017 03:46:25	16.67441	16.68419	16.64516	731.609	731.69995	731.59997	14.94426	15.1	14.8	16.25403	16.3	16.2	37.19587	37.29496	37.12871	1.30977	1.5	1.1	9.19381	0.08649	9.19027	220424904	4010110	85
08/22/2017 03:51:25	16.67441	16.68419	16.64516	731.609	731.69995	731.59997	14.94426	15.1	14.8	16.25403	16.3	16.2	37.19587	37.29496	37.12871	1.30977	1.5	1.1	9.27725	0.03689	9.27333	220424904	4010110	85
08/22/2017 03:56:25	16.67344	16.69009	16.6555	731.61206	731.69995	731.59997	14.93884	15.1	14.9	16.27987	16.3	16.2	37.219	37.32267	37.12871	1.34102	1.4	1.2	9.36067	0.0369	9.35666	220424904	4010110	85
08/22/2017 04:01:25	16.67253	16.69389	16.65106	731.59997	731.59997	731.59997	14.94494	15.1	14.8	16.40163	16.6	16.3	37.25161	37.37809	37.12871	1.45669	1.69999	1.2	9.44409	0.03688	9.44	220424904	4010110	85
08/22/2017 04:06:25	16.67436	16.69623	16.64447	731.51208	731.59997	731.5	14.95038	15.1	14.8	16.47915	16.6	16.3	37.29655	37.37809	37.21184	1.52878	1.69999	1.2	9.52753	0.02859	9.52333	220424904	4010110	85
08/22/2017 04:11:25	16.67336	16.69412	16.65482	731.45135	731.5	731.39996	14.93418	15.1	14.8	16.58657	16.7	16.5	37.33492	37.43351	37.23955	1.65239	1.9	1.5	9.61094	0.03692	9.60694	220424904	4010110	85
08/22/2017 04:16:25	16.67477	16.692	16.66071	731.31872	731.5	731.19995	15.05503	15.1	14.9	16.61708	16.7	16.6	37.4521	37.48892	37.37809	1.56205	1.8	1.5	9.69435	0.00833	9.69027	220424904	4010110	85
08/22/2017 04:21:25	16.67477	16.692	16.66071	731.31872	731.5	731.19995	15.05503	15.1	14.9	16.61708	16.7	16.6	37.4521	37.48892	37.37809	1.56205	1.8	1.5	9.77777	0.03692	9.77333	220424904	4010110	85
08/22/2017 04:26:25	16.67155	16.69178	16.65036	731.5	731.59997	731.39996	15.08994	15.2	14.9	16.59999	16.7	16.5	37.42466	37.48892	37.35038	1.51004	1.69999	1.3	9.86119	0.0159	9.85694	220424904	4010110	85
08/22/2017 04:31:25	16.67155	16.69178	16.65036	731.5	731.59997	731.39996	15.08994	15.2	14.9	16.59999	16.7	16.5	37.42466	37.48892	37.35038	1.51004	1.69999	1.3	9.9446	0.07899	9.94	220424904	4010110	85
08/22/2017 04:36:25	16.67455	16.68886	16.65572	731.46173	731.5	731.39996	15.13289	15.2	15.1	16.26408	16.5	16.1	37.44966	37.51663	37.4058	1.13119	1.3	0.9	10.02806	0.04959	10.02361	220424904	4010110	85
08/22/2017 04:41:25	16.67455	16.68886	16.65572	731.46173	731.5	731.39996	15.13289	15.2	15.1	16.26408	16.5	16.1	37.44966	37.51663	37.4058	1.13119	1.3	0.9	10.11148	0	10.10666	220424904	4010110	85
08/22/2017 04:46:25	16.67451	16.70154	16.65638	731.44928	731.5	731.39996	15.12583	15.2	15.1	16.13929	16.2	16	37.46541	37.57204	37.4058	1.01346	1.1	0.8	10.19489	0.00298	10.19	220424904	4010110	85
08/22/2017 04:51:25	16.67503	16.6912	16.65133	731.40399	731.5	731.39996	15.11677	15.2	15.1	15.97853	16.2	15.7	37.45025	37.48892	37.37809	0.86175	1.1	0.6	10.27829	0	10.27333	220424904	4010110	85
08/22/2017 04:56:25	16.67378	16.70296	16.65133	731.44128	731.5	731.39996	15.06979	15.2	14.9	15.71814	15.9	15.6	37.44281	37.51663	37.37809	0.64835	0.8	0.5	10.3617	0.07358	10.35666	220424904	4010110	85
08/22/2017 05:01:25	16.67462	16.70296	16.64751	731.4439	731.59997	731.29998	14.95468	15.1	14.8	15.63256	15.7	15.5	37.50471	37.59976	37.43351	0.67788	1.1	0.5	10.4451	0.00533	10.44	220424904	4010110	85
08/22/2017 05:06:25	16.67462	16.71012	16.65108	731.5805	731.59997	731.5	14.87383	15.1	14.8	15.68057	15.9	15.6	37.51828	37.62746	37.43351	0.80673	1.1	0.5	10.52851	0.03678	10.52333	220424904	4010110	85
08/22/2017 05:11:25	16.6764	16.7086	16.65932	731.57989	731.59997	731.5	14.81375	14.9	14.7	15.71041	15.9	15.5	37.52826	37.62746	37.43351	0.89665	1.1	0.6	10.61191	0.05249	10.60666	220424904	4010110	85
08/22/2017 05:16:25	16.67463	16.70267	16.65907	731.61541	731.69995	731.59997	14.76476	14.9	14.6	15.63491	15.7	15.5	37.49654	37.65517	37.37809	0.87015	1.1	0.6	10.69533	0.01571	10.69	220424904	4010110	85
08/22/2017 05:21:25	16.67575	16.69828	16.65907	731.66137	731.69995	731.59997	14.71109	14.8	14.6	15.70001	15.9	15.6	37.46373	37.54434	37.4058	0.98892	1.2	0.8	10.77874	0	10.77333	220424904	4010110	85
08/22/2017 05:26:25	16.67703	16.71012	16.6614	731.59997	731.59997	731.59997	14.61004	14.8	14.5	15.70334	15.9	15.6	37.49076	37.57204	37.4058	1.09329	1.3	1	10.86216	0.00536	10.85694	220424904	4010110	85
08/22/2017 05:31:25	16.67703	16.71012	16.6614	731.59997	731.59997	731.59997	14.61004	14.8	14.5	15.70334	15.9	15.6	37.49076	37.57204	37.4058	1.09329	1.3	1	10.94558	0.0157	10.94	220424904	4010110	85
08/22/2017 05:36:25	16.67577	16.71012	16.65108	731.59997	731.59997	731.59997	14.57884	14.7	14.5	15.68726	15.9	15.5	37.49246	37.62746	37.37809	1.10842	1.3	0.9	11.029	0.03679	11.02361	220424904	4010110	85
08/22/2017 05:41:25	16.67577	16.71012	16.65108	731.59997	731.59997	731.59997	14.57884	14.7	14.5	15.68726	15.9	15.5	37.49246	37.62746	37.37809	1.10842	1.3	0.9	11.11246	0	11.10666	220424904	4010110	85
08/22/2017 05:46:25	16.67798	16.71012	16.66731	731.59997	731.59997	731.59997	14.56308	14.6	14.5	15.74461	15.9	15.6	37.52685	37.62746	37.43351	1.18153	1.39999	1	11.1959	0	11.19	220424904	4010110	85
08/22/2017 05:51:25	16.6763	16.69594	16.66347	731.69995	731.69995	731.69995	14.54577	14.6	14.5	15.63938	15.7	15.5	37.48326	37.57204	37.4058	1.09361	1.19999	0.9	11.27931	0.03676	11.27361	220424904	4010110	85
08/22/2017 05:56:25	16.6763	16.69594	16.66347	731.69995	731.69995	731.69995	14.54577	14.6	14.5	15.63938	15.7	15.5	37.48326	37.57204	37.4058	1.09361	1.19999	0.9	11.36274	0.02109	11.35666	220424904	4010110	85
08/22/2017 06:01:25	16.67641	16.70034	16.65466	731.69488	731.69995	731.59997	14.53357	14.6	14.5	15.68993	15.9	15.5	37.57056	37.68287	37.46122	1.15636	1.39999	0.9	11.44619	0.04955	11.44	220424904	4010110	85
08/22/2017 06:06:25	16.67639	16.69236	16.65907	731.64239	731.69995	731.59997	14.51685	14.6	14.5	15.67272	15.9	15.5	37.59352	37.68287	37.51663	1.15587	1.39999	1	11.52964	0	11.52333	220424904	4010110	85
08/22/2017 06:11:25	16.67609	16.69594	16.64875	731.67572	731.69995	731.59997	14.52693	14.6	14.5	15.66398	15.7	15.5	37.60628	37.65517	37.51663	1.13704	1.19999	1	11.61304	0.09464	11.60666	220424904	4010110	85
08/22/2017 06:16:25	16.67686	16.70626	16.66347	731.69995	731.69995	731.69995	14.50337	14.6	14.3	15.63368	15.7	15.5	37.60339	37.68287	37.54434	1.13031	1.4	0.9	11.69647	0.03678	11.69	220424904	4010110	85
08/22/2017 06:21:25	16.67695	16.69594	16.65907	731.73364	731.79998	731.69995	14.48656	14.6	14.2	15.60676	15.7	15.5	37.57545	37.65517	37.48892	1.12019	1.3	1	11.7799	0	11.77333	220424904	4010110	85
08/22/2017 06:26:25	16.6751	16.698	16.66114	731.79998	731.79998	731.79998	14.45328	14.6	14.2	15.60638	15.7	15.5	37.59025	37.65517	37.48892	1.15309	1.4	0.9	11.86335	0	11.85694	220424904	4010110	85
08/22/2017 06:31:25	16.6751	16.698	16.66114	731.79998	731.79998	731.79998	14.45328	14.6	14.2	15.60638	15.7	15.5	37.59025	37.65517	37.48892	1.15309	1.4	0.9	11.94682	0.07351	11.94	220424904	4010110	85
08/22/2017 06:36:25	16.67512	16.698	16.65674	731.81646	731.89996	731.79998	14.43804	14.6	14.2	15.55387	15.6	15.5	37.54855	37.62746	37.46122	1.11583	1.3	0.9	12.03024	0	12.02333	220424904	4010110	85
08/22/2017 06:41:25	16.67942	16.69566	16.66912	731.89996	731.89996	731.89996	14.43262	14.5	14.2	15.50673	15.6	15.5	37.50814	37.62746	37.43351	1.07412	1.4	1	12.11366	0	12.10694	220424904	4010110	85
08/22/2017 06:46:25	16.67848	16.70005	16.6632	731.89996	731.89996	731.89996	14.42252	14.5	14.2	15.50339	15.6	15.4	37.50954	37.62746	37.43351	1.08086	1.4	1	12.19711	0.02401	12.19	220424904	4010110	85
08/22/2017 06:51:25	16.67689	16.69566	16.66472	731.9262	732	731.89996	14.41251	14.5	14.2	15.57143	15.7	15.5	37.4916	37.62746	37.37809	1.15892	1.4	1	12.28052	0	12.27333	220424904	4010110	85
08/22/2017 06:56:25	16.67428	16.69044	16.65	731.94885	732	731.89996	14.46973	14.5	14.2	15.79166	15.9	15.6	37.44476	37.57204	37.35038	1.32193	1.5	1.09999	12.36388	0.0368	12.35666	220424904	4010110	85
08/22/2017 07:01:25	16.67608	16.68752	16.65862	732.0296	732.09997	732	14.56768	14.6	14.5	16.0474	16.2	16	37.45087	37.54434	37.29496	1.47972	1.69999	1.4	12.44735	0.09473	12.44027	220424904	4010110	85

08/22/2017 07:06:25	16.67608	16.68752	16.65862	732.0296	732.09997	732	14.56768	14.6	14.5	16.0474	16.2	16	37.45087	37.54434	37.29496	1.47972	1.7	1.4	12.53079	0.05789	12.52361	220424904	4010110	85
08/22/2017 07:11:25	16.67488	16.69194	16.66008	732.08416	732.09997	732	14.62394	14.7	14.6	16.18492	16.3	16	37.4372	37.51663	37.35038	1.56098	1.7	1.4	12.61424	0.00519	12.60666	220424904	4010110	85
08/22/2017 07:16:25	16.67135	16.68221	16.66008	732.09997	732.09997	732.09997	14.72063	14.8	14.6	16.28994	16.5	16.2	37.40017	37.48892	37.32267	1.5693	1.7	1.5	12.69769	0.02102	12.69	220424904	4010110	85
08/22/2017 07:21:25	16.67426	16.69023	16.66008	732.14172	732.19995	732.09997	14.82056	14.9	14.7	16.40507	16.6	16.3	37.38048	37.48892	37.23955	1.5845	1.8	1.4	12.7811	0.0579	12.77333	220424904	4010110	85
08/22/2017 07:26:25	16.67514	16.69168	16.65474	732.19995	732.19995	732.19995	15.11723	15.2	15.1	16.60135	16.7	16.5	37.23885	37.4058	37.10101	1.48412	1.6	1.4	12.86452	0.03178	12.85694	220424904	4010110	85
08/22/2017 07:31:25	16.67462	16.68935	16.66063	732.24273	732.29998	732.19995	15.19326	15.2	15.1	16.60673	16.7	16.5	37.26659	37.4058	37.15643	1.41346	1.5	1.3	12.94796	0	12.94027	220424904	4010110	85
08/22/2017 07:36:25	16.67462	16.68935	16.66063	732.24273	732.29998	732.19995	15.19326	15.2	15.1	16.60673	16.7	16.5	37.26659	37.4058	37.15643	1.41346	1.5	1.3	13.03142	0.04201	13.02333	220424904	4010110	85
08/22/2017 07:41:25	16.67462	16.68935	16.6583	732.30401	732.39996	732.29998	15.25127	15.4	15.2	16.68116	16.8	16.6	37.17208	37.29496	37.0733	1.42989	1.4	1.09999	13.11485	0.03689	13.10694	220424904	4010110	85
08/22/2017 07:46:25	16.67388	16.68935	16.66276	732.29998	732.29998	732.29998	15.50002	15.7	15.4	16.62015	16.8	16.6	37.26544	37.32267	37.12871	1.12013	1.3	0.9	13.19831	0	13.19027	220424904	4010110	85
08/22/2017 07:51:25	16.67337	16.68345	16.66276	732.29998	732.29998	732.29998	15.52819	15.8	15.5	16.60336	16.7	16.6	37.29405	37.35038	37.23955	1.07517	1.19999	0.8	13.2818	0	13.27361	220424904	4010110	85
08/22/2017 07:56:25	16.67464	16.69221	16.65972	732.29998	732.29998	732.29998	15.70576	15.8	15.5	16.9799	17.4	16.6	37.27951	37.37809	37.15643	1.27414	1.8	0.8	13.36526	0	13.35694	220424904	4010110	85
08/22/2017 08:01:25	16.67464	16.69221	16.65972	732.29998	732.29998	732.29998	15.70576	15.8	15.5	16.9799	17.4	16.6	37.27951	37.37809	37.15643	1.27414	1.8	0.8	13.44872	0.02089	13.44	220424904	4010110	85
08/22/2017 08:06:25	16.67567	16.6964	16.65652	732.35589	732.39996	732.29998	15.84416	16	15.8	17.95892	18.4	17.4	37.10037	37.32267	36.93476	2.11476	2.5	1.6	13.53217	0.02087	13.52333	220424904	4010110	85
08/22/2017 08:11:25	16.67559	16.68905	16.66237	732.40399	732.5	732.39996	16.04548	16.1	15.9	18.4245	18.5	18.3	37.06437	37.15643	36.90705	2.37902	2.59999	2.2	13.61561	0.04168	13.60666	220424904	4010110	85
08/22/2017 08:16:25	16.67708	16.69973	16.66134	732.47107	732.5	732.39996	16.48271	16.7	16.1	18.80169	19.2	18.3	37.05433	37.15643	36.90705	2.31898	2.6	2	13.69904	0.03276	13.69027	220424904	4010110	85
08/22/2017 08:21:25	16.67626	16.7012	16.6547	732.56189	732.59997	732.5	16.90384	17.2	16.7	19.32228	19.6	19.2	36.98053	37.10101	36.87934	2.41844	2.6	2.1	13.78244	0	13.77333	220424904	4010110	85
08/22/2017 08:26:25	16.67592	16.6966	16.6582	732.5838	732.59997	732.5	17.31909	17.6	17.1	19.46637	19.6	19.3	36.99421	37.12871	36.87934	2.14727	2.1	1.6	13.86589	0.02078	13.85694	220424904	4010110	85
08/22/2017 08:31:25	16.67568	16.69894	16.65943	732.5852	732.59997	732.5	17.81921	18.2	17.5	19.77711	19.9	19.5	37.01218	37.18413	36.90705	1.95789	2.1	1.6	13.94933	0	13.94	220424904	4010110	85
08/22/2017 08:36:25	16.67543	16.6955	16.65249	732.69726	732.69995	732.59997	18.72717	18.9	18.5	19.76638	19.9	19.5	36.99113	37.10101	36.90705	1.03921	1.4	0.9	14.03279	0	14.02361	220424904	4010110	85
08/22/2017 08:41:25	16.67543	16.6955	16.65249	732.69726	732.69995	732.59997	18.72717	18.9	18.5	19.76638	19.9	19.5	36.99113	37.10101	36.90705	1.03921	1.4	0.9	14.11625	0	14.10666	220424904	4010110	85
08/22/2017 08:46:25	16.67435	16.69561	16.65254	732.72888	732.79998	732.69995	19.53248	19.7	19.4	20.48716	20.8	20.3	36.86252	36.99018	36.7408	0.95468	1.19999	0.7	14.19969	0.07471	14.19027	220424904	4010110	85
08/22/2017 08:51:25	16.67435	16.69561	16.65254	732.72888	732.79998	732.69995	19.53248	19.7	19.4	20.48716	20.8	20.3	36.86252	36.99018	36.7408	0.95468	1.19999	0.7	14.28315	0.03309	14.27333	220424904	4010110	85
08/22/2017 08:56:25	16.67581	16.69442	16.65715	732.70898	732.79998	732.69995	19.92041	20.1	19.7	20.88419	21.1	20.7	36.85584	36.96247	36.76851	0.96377	0.9	0	14.36659	0.03736	14.35666	220424904	4010110	85
08/22/2017 09:01:25	16.67545	16.69094	16.65254	732.708	732.79998	732.69995	20.28727	20.6	20.1	20.87071	21.1	20.5	36.84196	36.93476	36.76851	0.58344	0.9	0	14.45004	0.0207	14.44	220424904	4010110	85
08/22/2017 09:06:25	16.67642	16.69667	16.65479	732.77105	732.79998	732.69995	20.68834	20.8	20.5	20.91657	21.3	20.8	36.83953	36.93476	36.7131	0.22822	0.5	0	14.53349	0.01285	14.52333	220424904	4010110	85
08/22/2017 09:11:25	16.67521	16.69761	16.65233	732.86096	732.89996	732.79998	21.30854	21.5	21.2	21.41948	21.9	21.1	36.72271	36.82393	36.65768	0.14459	0.6	0	14.61693	0.01678	14.60694	220424904	4010110	85
08/22/2017 09:16:25	16.67521	16.69761	16.65233	732.86096	732.89996	732.79998	21.30854	21.5	21.2	21.41948	21.9	21.1	36.72271	36.82393	36.65768	0.14459	0.6	0	14.70037	0.03356	14.69	220424904	4010110	85
08/22/2017 09:21:25	16.6759	16.69527	16.66265	732.9519	733	732.89996	21.84555	22	21.7	21.90983	22.1	21.7	36.75811	36.87934	36.65768	0.11138	0.3	0	14.78379	0.07877	14.77361	220424904	4010110	85
08/22/2017 09:26:25	16.6759	16.69527	16.66265	732.9519	733	732.89996	21.84555	22	21.7	21.90983	22.1	21.7	36.75811	36.87934	36.65768	0.11138	0.3	0	14.86722	0.03762	14.85666	220424904	4010110	85
08/22/2017 09:31:25	16.67511	16.69505	16.65391	733.09271	733.19995	733	22.4648	22.6	22.3	22.26812	22.6	22	36.84174	36.93476	36.7131	0.29892	0.5	0.09999	14.95066	0.00368	14.94027	220424904	4010110	85
08/22/2017 09:36:25	16.67511	16.69505	16.65391	733.09271	733.19995	733	22.4648	22.6	22.3	22.26812	22.6	22	36.84174	36.93476	36.7131	0.29892	0.5	0.09999	15.0341	0.01705	15.02333	220424904	4010110	85
08/22/2017 09:41:25	16.67436	16.69233	16.64914	733.10363	733.19995	733	22.70899	22.9	22.6	22.27185	22.9	21.7	36.91831	37.01789	36.82393	0.4573	1	0	15.11754	0.00337	15.10666	220424904	4010110	85
08/22/2017 09:46:25	16.67356	16.68812	16.65355	733.19995	733.19995	733.19995	23.25851	23.5	23.1	23.17535	23.5	22.9	36.98265	37.0733	36.87934	0.21633	0.6	0	15.20096	0.03763	15.19027	220424904	4010110	85
08/22/2017 09:51:25	16.67481	16.69294	16.65355	733.19793	733.19995	733.09997	23.60517	23.8	23.5	23.21862	23.5	22.8	37.03244	37.10101	36.93476	0.38655	0.8	0.1	15.28439	0.02053	15.27361	220424904	4010110	85
08/22/2017 09:56:25	16.67481	16.69294	16.65355	733.19793	733.19995	733.09997	23.60517	23.8	23.5	23.21862	23.5	22.8	37.03244	37.10101	36.93476	0.38655	0.8	0.1	15.36783	0.00331	15.35666	220424904	4010110	85
08/22/2017 10:01:25	16.67661	16.69482	16.64581	733.2196	733.29998	733.19995	23.90026	24.1	23.7	23.57479	24	23.3	37.05323	37.15643	36.90705	0.3322	0.7	0.1	15.45128	0	15.44027	220424904	4010110	85
08/22/2017 10:06:25	16.67484	16.69731	16.64831	733.30499	733.39996	733.29998	24.44015	24.5	24.2	23.7743	24.1	23.3	37.15888	37.23955	37.04559	0.66585	1.1	0.2	15.5347	0.02049	15.52361	220424904	4010110	85
08/22/2017 10:11:25	16.67484	16.69731	16.64831	733.30499	733.39996	733.29998	24.44015	24.5	24.2	23.7743	24.1	23.3	37.15888	37.23955	37.04559	0.66585	1.1	0.2	15.61815	0.02046	15.60666	220424904	4010110	85
08/22/2017 10:16:25	16.67672	16.69035	16.65677	733.29998	733.29998	733.29998	24.68298	24.8	24.5	24.12477	24.5	23.8	37.1602	37.29496	37.04559	0.55821	0.9	0.2	15.70159	0.01735	15.69	220424904	4010110	85
08/22/2017 10:21:25	16.67546	16.69376	16.65045	733.40045	733.5	733.39996	25.21245	25.4	25.1	24.52533	24.7	24.4	37.20094	37.37809	37.0733	0.68712	1	0.5	15.78503	0.02045	15.77361	220424904	4010110	85
08/22/2017 10:26:25	16.67546	16.69376	16.65045	733.40045	733.5	733.39996	25.21245	25.4	25.1	24.52533	24.7	24.4	37.20094	37.37809	37.0733	0.68712	1	0.5	15.86847	0.05833	15.85666	220424904	4010110	85
08/22/2017 10:31:25	16.6748	16.70036	16.65959	733.40954	733.5	733.39996	25.49559	25.7	25.4	24.64663	25.2	24.3	37.27972	37.43351	37.10101	0.84896	1.2	0.4	15.95191	0.02036	15.94	220424904	4010110	85
08/22/2017 10:36:25	16.67635	16.70212	16.65063	733.49896	733.5	733.39996	25.74131	26	25.6	25.44554	25.9	25	37.25507	37.37809	37.12871	0.29576	0.7	0	16.03535	0	16.02333	220424904	4010110	85
08/22/2017 10:41:25	16.67324	16.6964	16.65301	733.5	733.5	733.5	26.07628	26.3	25.9	25.92701	26.2	25.5	37.25077	37.43351	37.0733	0.22324	0.8	0	16.1188	0.03531	16.10666	220424904	4010110	85
08/22/2017 10:46:25	16.67427	16.69146	16.65378	733.50097	733.59997	733.5	26.71731	26.8	26.5	25.87242	26.2	25.6	37.40018	37.57204	37.26726	0.84489	1.2	0.4	16.20223	0.04073	16.19027	220424904	4010110	85
08/22/2017 10:51:25	16.67427	16.69146	16.65378	733.50097	733.59997	733.5	26.71731	26.8	26.5	25.87242	26.2	25.6	37.40018	37.57204	37.26726	0.84489	1.2	0.4	16.28566	0.09638	16.27361	220424904	4010110	85
08/22/2017 10:56:25	16.67533	16.70207	16.65506	733.59997	733.59997	733.59997	27.29851	27.4	27.1	26.83602	27	26.2	37.39198	37.46122	37.26726	0.46249	1	0.19999	16.36912	0.02029	16.35694	220424904	4010110	85
08/22/2017 11:01:25	16.67533	16.70207	16.65506	733.59997	733.59997	733.59997	27.29851	27.4	27.1	26.83602	27	26.2	37.39198	37.46122	37.26726	0.46249	1	0.19999	16.45237	0.03581	16.44	220424904	4010110	85
08/22/2017 11:06:25	16.67583	16.69487	16.65005	733.60199	733.69995	733.59997	27.91587	28.1	27.7	27.29345	27.6	26.9	37.44788	37.57204	37.32267	0.62242	1.1	0.2	16.53557	0.02025	16.52361	220424904	4010110	85
08/22/2017 11:11:25	16.67583	16.69487	16.65005	733.60199	733.69995	733.59997	27.91587	28.1	27.7	27.29345	27.6	26.9	37.44788	37.57204	37.32267	0.62242	1.1	0.2	16.61878	0.03834	16.60666	220424904	4010110	85
08/22/2017 11:16:25	16.67602	16.70642	16.64877	733.61462	733.69995	733.59997	28.2332	28.5	28	28.12252	28.5	27.5	37.48307	37.59976	37.32267	0.23163	0.6	0.09999	16.70198	0.00217	16.69	220424904	4010110	85
08/22/2017 11:21:25	16.67562	16.70192	16.65537	733.70196	733.79998	733.69995	28.88304	29.1	28.6	28.09367	28.8	27.6	37.5887	37.65517	37.48892	0.78937	1.3	0.2	16.78519	0.03834	16.77361	220424904	4010110	85
08/22/2017 11:26:25	16.67562	16.70192	16.65537	733.70196	733.79998	733.69995	28.88304	29.1	28.6	28.09367	28.8	27.6	37.5887	37.65517	37.48892	0.78937	1.3	0.2	16.8684	0.03626	16.85666	220424904	4010110	85
08/22/2017 11:31:25	16.67485	16.70192	16.64136	733.69995	733.69995	733.69995	29.13265	29.3	29	28.48813	28.8	28.2	37.58817	37.65517	37.48892	0.64451	1.1	0.2	16.9516	0.01826	16.94	220424904	4010110	85
08/22/2017 11:36:25	16.6755	16.70758	16.65655	733.70703	733.79998	733.69995	29.47013	29.7	29.3	28.72479	29.2	28.1	37.61467	37.79371	37.46122	0.74533	0.69999	0	17.03481	0.03027	17.02361	220424904	4010110	85
08/22/2017 11:41:25	16.67649	16.7046	16.64967	733.74231	733.79998	733.69995	29.7207	29.9	29.6	29.6965	30.5	29.1	37.54991	37.68287	37.4058	0.33182	0.69999	0	17.11802	0.0183	17.10666	220424904	4010110	85
08/22/2017 11:46:25	16.67598	16.69958	16.65655	733.77783	733.79998	733.69995	30.05761	30.2	29.8	29.71943	30.3	29.2	37.59621	37.73829	37.46122	0.37845	1.59999	0.7	17.20122	0.04223	17.19027	220424904	4010110	85
08/22/2017 11:51:25	16.67598	16.69958	16.65655	733.79901	733.79998	733.69995	30.3288	30.4	30.2	29.04663	29.5	28.8	37.72094	37.82141	37.57204	1.28217	1.59999	0.7	17.28443	0.05855	17.27333	220424904	4010110	85
08/22/2017 11:56:25	16.67674	16.69046	16.6622	733.79998	733.79998	733.79998	30.49236	30.7	30.4	28.99367	29.4	28.6	37.68942	37.82141	37.57204	1.49869	1.9	1.1	17.36763	0.11889	17.35666	220424904	4010110	85
08/22/2017 12:01:25	16.67721	16.70227	16.65812	733.79998	733.79998	733.79998	30.7375	30.8	30.5	29.36792	29.8	28.9	37.67504	37.79371	37.57204	1.36958	1.8	0.9	17.45084	0.02009	17.44	220424904	4010110	85
08/22/2017 12:06:25	16.67598	16.69895	16.65144	733.75061	733.79998	733.69995	30.80727	30.9	30.8	29.39057	30	28.8	37.68688	37.82141	37.59976	1.41669	2	0.8	17.53404	0.01841	17.52333	220424904	4010110	85
08/22/2017 12:11:25	16.67491	16.69895	16.64452	733.69995	733.69995	733.69995	30.95097	31.1	30.8	29.68832	30	29.4	37.67671	37.82141	37.57204	1.26265	1.6	0.99999	17.61725	0.02006	17.60694	220424904	4010110	85
08/22/2017 12:16:25	16.6767	16.7004	16.65671	733.69995	733.69995	733.69995	31.06774	31.3	31	30.04382	30.4	29.7	37.67027	37.79371	37.57204	1.02392	1.3	0.69999	17.70047	0	17.69	220424904	4010110	85
08/22/2017 12:21:25	16.67558	16.69089	16.65758	733.69995	733.69995	733.69995	31.4644	31.5	31.4	30.84692	31.3	30.4	37.64178	37.71059	37.54434	0.61747	1.1	0.19999	17.78368	0.01853	17.77361	220424904	4010110	85
08/22/2017 12:26:25	16.67558	16.69089	16.65758	733.69995	733.69995	733.69995	31.4644	31.5	31.4	30.84692	31.3	30.4	37.64178	37.71059	37.54434	0.61747	1.19999	0.4	17.86688	0	17.85666	220424904	4010110	85
08/22/2017 12:31:25	16.67628	16.69089	16.65316	733.69995	733.69995	733.69995	31.59522	31.7	31.5	30.78237	31.1	30.4	37.69309	37.84912	37.59976	0.81284	1.19999	0.4	17.95008	0.01044	17.94	220424904	4010110	85
08/22/2017 12:36:25	16.67498	16.69206	16.65353	733.69085	733.69995	733.59997	31.75708	32	31.6	31.29456	31.8	30.9	37.66381	37.82141	37.48892	0.46923	0.8	0.09999	18.03328	0.07998	18.02333	220424904	4010110	85
08/22/2017 12:41:25	16.67448	16.69439	16.65586	733.64599	733.69995	733.59997	32.01468	32.09999	31.7	31.30081	31.6	31	37.72309	37.84912	37.57204	0.71387	1	0.49999	18.1165	0.07753	18.10666	220424904	4010110	85
08/22/2017 12:46:25	16.67593	16.70631	16.64602	733.60504	733.69995	733.59997	32.15826	32.3	32.09999	31.55839	32.2	31.1	37.71981	37.84912	37.59976	0.59987	1.2	0	18.1997	0.00113	18.19	220424904	4010110	85
08/22/2017 12:51:25	16.67581	16.70103	16.65161	733.59997	733.59997	733.59997	32.35491	32.5	32.3	32.02126	32.3	31.5	37.66092	37.79371	37.54434	0.33365	1.49999	0.39999	18.28291	0.05875	18.27361	220424904	4010110	85
08/22/2017 12:56:25	16.67636	16.69543	16.65586	733.59997	733.59997	733.59997	32.56771	32.7	32.5	31.63823	32.2	31.1	37.74744	37.84912	37.59976	0.92948	1	0.1	18.36611	0.03984	18.35666	220424904	4010110	85
08/22/2017 13:01:25	16.67585	16.69575	16.65161	733.599	733.59997	733.5	32.73886	32.8	32.59999	32.10031	32.7	31.7	37.70243	37.79371	37.59976	0.63855	1	0.1	18.44931	0.07967	18.44	220424904	4010110	85
08/22/2017 13:06:25	16.676	16.69103	16.65248	733.59997	733.59997	733.59997	32.92595	33.09999	32.8	32.56122	32.9	32.3	37.66927	37.73829	37.59976	0.37816	0.79999	0	18.53252	0	18.52333	220424904	4010110	85
08/22/2017 13:11:25	16.67577	16.69411	16.65555	733.51574	733.59997	733.5	33.34756	33.5	33.09999	33.14357	33.59999	32.5	37.65325	37.73829	37.54434	0.26444	0.6	0	18.61572	0.05962	18.60694	220424904	4010110	85
08/22/2017 13:16:25	16.67577	16.69411	16.65555	733.51574	733.59997	733.5	33.34756	33.5	33.09999	33.14357	33.59999	32.5	37.65325	37.73829	37.54434	0.26444	0.6	0	18.69892	0.02092	18.69	220424904	4010110	85
08/22/2017 13:21:25	16.67412	16.69895	16.64923	733.54632	733.59997	733.5	33.7656	34	33.7	32.78091	33.09999	32.2	37.69952	37.82141	37.54434	0.98468	1.59999	0.7	18.78213	0.03687	18.77361	220424904	4010110	85
08/22/2017 13:26:25	16.67412	16.69895	16.64923	733.54632	733.59997	733.5	33.7656	34	33.7	32.78091	33.09999	32.2	37.69952	37.82141	37.54434	0.98468	1.59999	0.7	18.86533	0.04061	18.85666	220424904	4010110	85
08/22/2017 13:31:25	16.67567	16.69736	16.64766	733.58319	733.59997	733.5	33.95301	34.09999	33.8	33.17924	33.5	32.4	37.79886	37.90454	37.68287	0.77376	1.59999	0.4	18.94853	0.0007	18.94	220424904	4010110	85
08/22/2017 13:36:25	16.67567	16.69201	16.65901	733.59997	733.59997	733.59997	34.0824	34.3	34	33.46217	33.9	32.9	37.87713	38.01537	37.76599	0.62024	1.19999	0.19999	19.03173	0.0191	19.02333	220424904	4010110	85
08/22/2017 13:41:25	16.67452	16.69779	16.65365	733.59997	733.59997	733.59997	34.32809	34.5	34.09999	33.7767	34.2	33.4	38.01448	38.18162	37.82141	0.5581	1.59999	0.69999	19.11495	0.03968	19.10694	220424904	4010110	85
08/22/2017 13:46:25	16.67558	16.70271	16.64766	733.59997	733.59997	733.59997	34.55432	34.59999	34.4	33.47382	33.9	33	38.18826	38.29245	38.0985	1.0805	1.59999	0.69999	19.19816	0.03829	19.19	220424904	4010110	85
08/22/2017 13:51:25	16.67555	16.70355	16.65901	733.60803	733.69995	733.59997	34.63083	34.7	34.59999	33.45929	34.2	33.09999	38.36245	38.54183	38.18162	1.17154	1.5	0.5	19.28136	0.0192	19.27333	220424904	4010110	85
08/22/2017 13:56:25	16.67504	16.70271	16.65323	733.59796	733.59997	733.5	34.98785	35.09999	34.7	33.76513	34.2	33.09999	38.63198	38.73578	38.51412	1.22271	1.9	0.6	19.36457	0.03966	19.35694	220424904	4010110	85

08/22/2017 14:01:25	16.67504	16.70271	16.65323	733.59796	733.59997	733.5	34.98785	35.09999	34.7	33.76513	34.2	33.09999	38.63198	38.73578	38.51412	1.22271	1.9	0.6	19.44777	0.0474	19.44	220424904	4010110	85
08/22/2017 14:06:25	16.67448	16.70388	16.64878	733.56512	733.59997	733.5	35.24686	35.5	35.09999	34.55294	34.8	34.2	38.99224	39.1514	38.68036	0.69392	1.1	0.4	19.53099	0.0391	19.52361	220424904	4010110	85
08/22/2017 14:11:25	16.67493	16.69779	16.64015	733.53827	733.59997	733.5	35.52077	35.59999	35.3	34.37252	34.9	33.9	39.22552	39.45619	39.04057	1.14826	1.69999	0.59999	19.61419	0.01981	19.60694	220424904	4010110	85
08/22/2017 14:16:25	16.67493	16.69779	16.64015	733.53827	733.59997	733.5	35.52077	35.59999	35.3	34.37252	34.9	33.9	39.22552	39.45619	39.04057	1.14826	1.69999	0.59999	19.6974	0.07812	19.69	220424904	4010110	85
08/22/2017 14:21:25	16.6763	16.70065	16.65617	733.5	733.5	733.5	35.6543	35.7	35.5	34.14831	34.59999	33.7	39.41875	39.5116	39.28994	1.50599	2	0.9	19.7806	0.05824	19.77333	220424904	4010110	85
08/22/2017 14:26:25	16.67639	16.70105	16.65111	733.49902	733.5	733.39996	35.94624	36.09999	35.8	34.54039	35.1	33.9	39.60624	39.70556	39.42849	1.40585	2.19999	0.7	19.86381	0.00063	19.85694	220424904	4010110	85
08/22/2017 14:31:25	16.67639	16.70105	16.65111	733.49902	733.5	733.39996	35.94624	36.09999	35.8	34.54039	35.1	33.9	39.60624	39.70556	39.42849	1.40585	2.19999	0.7	19.94702	0.03949	19.94	220424904	4010110	85
08/22/2017 14:36:24	16.67558	16.70869	16.65137	733.48791	733.5	733.39996	36.1302	36.2	36.09999	34.9831	35.4	34.2	39.6349	39.70556	39.56702	1.1471	1.89999	0.69999	20.03023	0.01028	20.02333	220424904	4010110	85
08/22/2017 14:41:25	16.67524	16.70105	16.64844	733.47479	733.5	733.39996	36.25233	36.3	36.09999	34.74031	35.4	34.09999	39.76459	39.92723	39.56702	1.51202	2.09999	1.5	20.11344	0	20.10694	220424904	4010110	85
08/22/2017 14:46:24	16.67606	16.7008	16.65665	733.49798	733.5	733.39996	36.31744	36.5	36.2	34.63158	34.8	34.3	39.88712	39.98264	39.76097	1.68586	2.09999	1.5	20.19664	0.03866	20.19	220424904	4010110	85
08/22/2017 14:51:25	16.67433	16.69771	16.6585	733.46307	733.5	733.39996	36.47723	36.7	36.4	34.69882	35.1	33.7	39.93986	40.01035	39.89952	1.7784	2.7	1.3	20.27985	0.01866	20.27361	220424904	4010110	85
08/22/2017 14:56:25	16.67433	16.69771	16.6585	733.46307	733.5	733.39996	36.47723	36.7	36.4	34.69882	35.1	33.7	39.93986	40.01035	39.89952	1.7784	2.7	1.3	20.36305	0.05892	20.35666	220424904	4010110	85
08/22/2017 15:01:25	16.67417	16.69771	16.64836	733.406	733.5	733.39996	36.61278	36.7	36.5	34.9376	35.2	34.59999	39.90602	39.98264	39.81639	1.67518	2.1	1.3	20.44626	0	20.44027	220424904	4010110	85
08/22/2017 15:06:25	16.67417	16.69771	16.64836	733.406	733.5	733.39996	36.61278	36.7	36.5	34.9376	35.2	34.59999	39.90602	39.98264	39.81639	1.67518	2.1	1.3	20.52946	0	20.52333	220424904	4010110	85
08/22/2017 15:11:24	16.67357	16.69757	16.65343	733.406	733.5	733.39996	36.65841	36.7	36.5	34.53895	34.9	34.2	39.94034	39.98264	39.89952	2.11945	2.5	1.8	20.61266	0.0391	20.60666	220424904	4010110	85
08/22/2017 15:16:25	16.67345	16.70298	16.65343	733.39996	733.39996	733.39996	36.65974	36.7	36.5	34.26188	34.59999	33.9	39.9319	40.01035	39.78868	2.4072	2.6	2	20.69587	0.01925	20.69027	220424904	4010110	85
08/22/2017 15:21:24	16.67345	16.70298	16.65343	733.39996	733.39996	733.39996	36.65974	36.7	36.5	34.37798	34.59999	34.09999	39.86848	39.98264	39.73327	2.28176	2.6	2	20.77908	0.07813	20.77333	220424904	4010110	85
08/22/2017 15:26:25	16.67424	16.68893	16.6497	733.32983	733.39996	733.19995	36.52014	36.7	36.4	34.14829	34.59999	33.5	39.67496	39.78868	39.56702	2.37185	3	1.8	20.86228	0.07939	20.85694	220424904	4010110	85
08/22/2017 15:31:25	16.67424	16.68893	16.6497	733.32983	733.39996	733.19995	36.52014	36.7	36.4	34.14829	34.59999	33.5	39.67496	39.78868	39.56702	2.37185	3.09999	1.8	20.94548	0.04738	20.94027	220424904	4010110	85
08/22/2017 15:36:24	16.67572	16.69419	16.64988	733.24389	733.29998	733.09997	36.43557	36.5	36.4	34.06778	34.7	33.4	39.66426	39.78868	39.56702	2.36778	3.09999	1.8	21.02869	0.01986	21.02333	220424904	4010110	85
08/22/2017 15:41:24	16.67375	16.69018	16.65221	733.10803	733.39996	733	36.44362	36.5	36.3	33.66238	34.2	33.3	39.65292	39.76097	39.56702	2.78124	3.19999	2.2	21.1119	0.06971	21.10666	220424904	4010110	85
08/22/2017 15:46:25	16.67617	16.70102	16.65111	732.96106	733	732.79998	36.36572	36.4	36.3	33.79597	34.09999	33.4	39.48031	39.62244	39.31765	2.56975	3	2.2	21.19511	0	21.19027	220424904	4010110	85
08/22/2017 15:51:25	16.67617	16.70102	16.65111	732.96106	733	732.79998	36.36572	36.4	36.3	33.79597	34.09999	33.4	39.48031	39.62244	39.31765	2.56975	3	2.2	21.27831	0.01985	21.27333	220424904	4010110	85
08/22/2017 15:56:24	16.67514	16.69222	16.65344	732.91107	733	732.89996	36.3195	36.4	36.2	33.6628	34.09999	33.4	39.38933	39.5116	39.28994	2.6567	2.9	2.2	21.36151	0.09795	21.35666	220424904	4010110	85
08/22/2017 16:01:25	16.67471	16.70601	16.65936	732.87707	732.89996	732.79998	36.29663	36.4	36.2	34.12633	34.5	33.7	39.30654	39.37307	39.20681	2.17031	2.6	1.8	21.44472	0.01982	21.44027	220424904	4010110	85
08/22/2017 16:06:25	16.67504	16.69504	16.65073	732.80096	732.89996	732.69995	36.31417	36.4	36.2	34.27361	34.8	33.9	39.35843	39.4839	39.26223	2.04055	2.5	1.6	21.52792	0.00057	21.52361	220424904	4010110	85
08/22/2017 16:11:24	16.67504	16.69504	16.65073	732.80096	732.89996	732.69995	36.31417	36.4	36.2	34.27361	34.8	33.9	39.35843	39.4839	39.26223	2.04055	2.5	1.6	21.61113	0.03066	21.60666	220424904	4010110	85
08/22/2017 16:16:24	16.67491	16.69489	16.65596	732.78686	732.79998	732.69995	36.31921	36.4	36.3	33.85191	34.5	33.3	39.47001	39.62244	39.34536	2.46729	3.09999	1.8	21.69433	0.00901	21.69	220424904	4010110	85
08/22/2017 16:21:25	16.67518	16.69718	16.65233	732.74884	732.89996	732.69995	36.32525	36.4	36.3	33.32598	33.59999	33	39.41912	39.5116	39.31765	2.99927	3.3	2.7	21.77753	0.03064	21.77361	220424904	4010110	85
08/22/2017 16:26:24	16.67518	16.69718	16.65233	732.74884	732.89996	732.69995	36.32525	36.4	36.3	33.32598	33.59999	33	39.41912	39.5116	39.31765	2.99927	3.3	2.7	21.86074	0.03903	21.85666	220424904	4010110	85
08/22/2017 16:31:24	16.67481	16.68858	16.66092	732.76324	732.89996	732.69995	36.27309	36.4	36.2	33.55486	33.9	33.09999	39.17355	39.37307	38.90203	2.71823	3.2	2.4	21.94395	0.01916	21.94	220424904	4010110	85
08/22/2017 16:36:25	16.67485	16.70418	16.65253	732.65075	732.79998	732.59997	36.04949	36.2	35.9	33.15509	33.59999	32.8	39.01568	39.20681	38.65265	2.8937	3.29999	2.4	22.02716	0.03976	22.02361	220424904	4010110	85
08/22/2017 16:41:24	16.67485	16.70418	16.65253	732.65075	732.79998	732.59997	36.04949	36.2	35.9	33.15509	33.59999	32.8	38.67899	38.84661	38.51412	2.89439	3.29999	2.4	22.11036	0.00931	22.10666	220424904	4010110	85
08/22/2017 16:46:25	16.67279	16.69278	16.64811	732.60168	732.69995	732.5	35.87573	36.09999	35.8	33.05045	33.5	32.2	38.56695	38.70807	38.431	2.82528	3.6	2.4	22.19356	0.03899	22.19027	220424904	4010110	85
08/22/2017 16:51:24	16.67464	16.6902	16.65978	732.61578	732.79998	732.59997	35.78989	36.09999	35.7	33.15954	33.5	32.3	38.43991	38.68036	38.26474	2.63034	3.69999	2.2	22.27677	0.05883	22.27333	220424904	4010110	85
08/22/2017 16:56:24	16.67524	16.69558	16.65676	732.53466	732.59997	732.5	35.7185	35.8	35.7	33.15096	33.4	32.8	38.3539	38.431	38.29245	2.56754	2.9	2.3	22.35998	0.03892	22.35666	220424904	4010110	85
08/22/2017 17:01:25	16.67435	16.6972	16.6507	732.49798	732.59997	732.39996	35.56561	35.7	35.5	32.57	33.09999	32.2	38.31094	38.4587	38.04308	2.99561	3.5	2.4	22.44318	0.01989	22.44027	220424904	4010110	85
08/22/2017 17:06:24	16.67435	16.6972	16.6507	732.49798	732.59997	732.39996	35.56561	35.7	35.5	32.57	33.09999	32.2	38.31094	38.4587	38.04308	2.99561	3.5	2.4	22.52638	0.01895	22.52333	220424904	4010110	85
08/22/2017 17:11:25	16.67341	16.69636	16.65574	732.46154	732.59997	732.39996	35.2144	35.5	35	32.24185	32.5	32.09999	37.87003	38.07079	37.57204	2.97254	3.4	2.5	22.60959	0.01993	22.60694	220424904	4010110	85
08/22/2017 17:16:24	16.67341	16.69636	16.65574	732.46154	732.59997	732.39996	35.2144	35.5	35	32.24185	32.5	32.09999	37.87003	38.07079	37.57204	2.97254	3.4	2.5	22.69279	0.03776	22.69	220424904	4010110	85
08/22/2017 17:21:24	16.67463	16.6934	16.64722	732.47766	732.59997	732.39996	34.86983	35	34.59999	31.83778	32.09999	31.6	37.42673	37.59976	37.21184	3.03205	3.3	2.6	22.77599	0	22.77361	220424904	4010110	85
08/22/2017 17:26:24	16.67463	16.6934	16.64722	732.47766	732.59997	732.39996	34.86983	35	34.59999	31.83778	32.09999	31.6	37.42673	37.59976	37.21184	3.03205	3.3	2.6	22.8592	0.02111	22.85666	220424904	4010110	85
08/22/2017 17:31:24	16.6769	16.69306	16.6525	732.4262	732.59997	732.39996	34.50842	34.59999	34.4	31.89589	32.2	31.5	37.01778	37.15643	36.90705	2.61253	3.09999	2.2	22.9424	0.03882	22.94027	220424904	4010110	85
08/22/2017 17:36:24	16.6769	16.69306	16.6525	732.4262	732.59997	732.39996	34.50842	34.59999	34.4	31.89589	32.2	31.5	37.01778	37.15643	36.90705	2.61253	3.09999	2.2	23.02561	0.03767	23.02333	220424904	4010110	85
08/22/2017 17:41:24	16.67569	16.70166	16.65277	732.42419	732.5	732.39996	34.43944	34.5	34.4	31.93793	32.4	31.6	36.95068	37.0733	36.85163	2.5015	2.9	2	23.10881	0.01882	23.10666	220424904	4010110	85
08/22/2017 17:46:25	16.67613	16.69932	16.66043	732.44976	732.5	732.39996	34.30507	34.4	34.09999	31.73383	32.09999	31.5	36.95846	37.04559	36.82393	2.57123	2.9	2.2	23.19202	0.03878	23.19027	220424904	4010110	85
08/22/2017 17:51:24	16.67459	16.69598	16.63803	732.45141	732.59997	732.39996	34.24461	34.4	34.09999	31.16389	31.6	31	37.04186	37.10101	36.93476	3.08072	3.3	2.7	23.27523	0	23.27361	220424904	4010110	85
08/22/2017 17:56:24	16.67459	16.69598	16.63803	732.45141	732.59997	732.39996	34.24461	34.4	34.09999	31.16389	31.6	31	37.04186	37.10101	36.93476	3.08072	3.19999	2.4	23.35843	0.0388	23.35694	220424904	4010110	85
08/22/2017 18:01:24	16.67634	16.69539	16.65682	732.38299	732.5	732.29998	34.03867	34.09999	33.9	31.17782	31.6	30.9	37.02196	37.10101	36.85163	2.86085	3.19999	2.4	23.44163	0.0387	23.44	220424904	4010110	85
08/22/2017 18:06:24	16.67491	16.69196	16.65341	732.38671	732.5	732.29998	33.98499	34.09999	33.8	31.06648	31.6	30.7	37.01057	37.0733	36.90705	2.9185	3.3	2.4	23.52484	0.03867	23.52333	220424904	4010110	85
08/22/2017 18:11:24	16.67531	16.70186	16.64779	732.32623	732.5	732.29998	33.80338	34	33.7	30.84282	31.1	30.6	37.02283	37.0733	36.96247	2.96056	3.3	2.6	23.60805	0	23.60666	220424904	4010110	85
08/22/2017 18:16:24	16.67484	16.69429	16.64794	732.30334	732.39996	732.19995	33.54709	33.7	33.4	30.97083	31.2	30.5	36.96108	37.0733	36.85163	2.57626	3	2.4	23.69125	0.0103	23.69027	220424904	4010110	85
08/22/2017 18:21:24	16.67411	16.69253	16.64877	732.29919	732.39996	732.19995	33.4177	33.5	33.3	30.35619	30.7	30	37.07503	37.23955	36.96247	3.06151	3.4	2.7	23.77446	0	23.77361	220424904	4010110	85
08/22/2017 18:26:24	16.67411	16.69253	16.64877	732.29919	732.39996	732.19995	33.4177	33.5	33.3	30.35619	30.7	30	37.07503	37.23955	36.96247	3.06151	3.4	2.7	23.85766	0.07723	23.85666	220424904	4010110	85
08/22/2017 18:31:24	16.67384	16.69253	16.64835	732.19897	732.29998	732.09997	33.31267	33.4	33.2	30.40102	30.6	30.1	37.0464	37.15643	36.87934	2.91164	3.2	2.7	23.94086	0.0386	23.94	220424904	4010110	85
08/22/2017 18:36:24	11.46217	16.68603	0	732.18432	732.19995	732.09997	33.50085	33.7	33.4	29.88959	30.1	29.7	30.69627	37.15643	16.26459	3.61126	3.9	3.3	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 18:41:24	11.46217	16.68603	0	732.18432	732.19995	732.09997	33.50085	33.7	33.4	29.88959	30.1	29.7	30.69627	37.15643	16.26459	3.61126	3.9	3.3	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 18:46:24	0	0	0	732.19287	732.19995	732.09997	32.86567	33.2	32.59999	29.28069	29.4	29.1	16.52565	16.56938	16.43084	3.58497	3.89999	3.39999	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 18:51:24	0	0	0	732.19287	732.19995	732.09997	32.86567	33.2	32.59999	29.28069	29.4	29.1	16.52565	16.56938	16.43084	3.58497	3.89999	3.39999	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 18:56:24	0	0	0	732.13153	732.19995	732.09997	32.29332	32.59999	32	28.84289	29.2	28.7	16.46614	16.56938	16.40313	3.45043	3.69999	3.19999	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 19:01:24	0	0	0	732.02118	732.09997	732	31.13784	31.4	31	28.15715	28.3	27.9	16.40425	16.43084	16.32001	2.98068	3.19999	2.8	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 19:06:24	0	0	0	731.99847	732.09997	731.89996	30.86386	31.1	30.8	27.93788	28.1	27.6	16.39722	16.45855	16.34772	2.92597	3.2	2.8	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 19:11:24	0	0	0	731.99847	732.09997	731.89996	30.86386	31.1	30.8	27.93788	28.1	27.6	16.39722	16.45855	16.34772	2.92597	3.2	2.8	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 19:16:24	0	0	0	731.97766	732.09997	731.89996	30.53448	30.8	30.3	27.61935	27.9	27.5	16.3662	16.40313	16.2923	2.91513	3.2	2.7	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 19:21:24	0	0	0	731.89209	731.89996	731.79998	30.21934	30.4	30.1	27.51262	27.6	27.4	16.36341	16.40313	16.2923	2.70672	2.9	2.6	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 19:26:24	0	0	0	731.88549	731.89996	731.79998	29.89498	30.1	29.7	27.37564	27.5	27.1	16.35707	16.40313	16.23688	2.51933	2.7	2.3	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 19:31:24	0	0	0	731.94317	732	731.89996	29.66809	29.8	29.5	26.99413	27.3	26.8	16.28791	16.37542	16.20918	2.67396	2.8	2.4	24.00161	0	24.00027	220424904	4010110	85
08/22/2017 19:36:24	0	0	0	732	732	732	29.33868	29.6	29.1	26.65716	26.9	26.4	16.20946	16.34772	15.9321	2.68152	2.9	2.4	0.02207	0.02035	0.02333	220424902	4010210	85
08/22/2017 19:41:24	3.95188	16.70663	0	732.00341	732.09997	732	29.12784	29.5	28.9	26.34316	26.4	26.1	19.84523	31.94732	15.98751	2.78467	3.1	2.69999	0.10548	0	0.10666	220424902	4010210	85
08/22/2017 19:46:24	16.68012	16.70091	16.66081	732.02752	732.09997	732	28.55958	28.9	28.4	26.01166	26.2	25.8	31.81909	31.94732	31.72566	2.54792	2.6	2.2	0.18886	0.03803	0.19027	220424902	4010210	85
08/22/2017 19:51:24	16.67315	16.69212	16.66014	732.00909	732.09997	732	27.58745	27.8	27.3	25.34293	25.5	25.2	31.74924	31.83649	31.61483	2.24452	2.5	2.1	0.27223	0.07598	0.27361	220424902	4010210	85
08/22/2017 19:56:24	16.67315	16.69212	16.66014	732.00909	732.09997	732	27.58745	27.8	27.3	25.34293	25.5	25.2	31.74924	31.83649	31.61483	2.24452	2.5	2.1	0.3556	0	0.35666	220424902	4010210	85
08/22/2017 20:01:24	16.67664	16.6988	16.65202	732.08404	732.09997	732	26.75968	26.9	26.6	24.85049	25	24.6	31.68285	31.78108	31.58712	1.90919	2.1	1.8	0.43899	0.02579	0.44027	220424902	4010210	85
08/22/2017 20:06:24	16.67664	16.6988	16.65202	732.08404	732.09997	732	26.75968	26.9	26.6	24.85049	25	24.6	31.68285	31.78108	31.58712	1.90919	2.1	1.8	0.52236	0.03788	0.52333	220424902	4010210	85
08/22/2017 20:11:24	16.67529	16.69945	16.65608	732	732	732	26.13271	26.3	26	24.42855	24.5	24.3	31.72355	31.83649	31.61483	1.70415	1.9	1.6	0.60574	0.01741	0.60694	220424902	4010210	85
08/22/2017 20:16:24	16.67529	16.69945	16.65608	732	732	732	26.13271	26.3	26	24.42855	24.5	24.3	31.72355	31.83649	31.61483	1.70415	1.9	1.6	0.68912	0.00308	0.69	220424902	4010210	85
08/22/2017 20:21:24	16.6761	16.69858	16.65523	732	732	732	25.80924	26	25.6	24.21093	24.4	24	31.72851	31.83649	31.61483	1.5983	1.8	1.4	0.77248	0.03786	0.77333	220424902	4010210	85
08/22/2017 20:26:24	16.67501	16.69679	16.65436	732	732	732	25.26633	25.5	25.1	23.87055	24	23.8	31.67404	31.78108	31.58712	1.39577	1.6	1.19999	0.85586	0	0.85694	220424902	4010210	85
08/22/2017 20:31:24	16.67501	16.69679	16.65436	732	732	732	25.26633	25.5	25.1	23.87055	24	23.8	31.67404	31.78108	31.58712	1.39577	1.6	1.19999	0.93923	0.0205	0.94	220424902	4010210	85
08/22/2017 20:36:24	16.67464	16.69103	16.65922	732.00097	732.09997	732	24.99412	25.1	24.9	23.76977	23.8	23.7	31.65625	31.75336	31.55941	1.22434	1.4	1.1	1.0226	0	1.02333	220424902	4010210	85
08/22/2017 20:41:24	16.6743	16.69103	16.65922	731.99798	732	731.89996	24.79746	25	24.7	23.69322	23.8	23.5	31.62556	31.80878	31.47628	1.10424	1.2	0.9	1.10598	0.04107	1.10666	220424902	4010210	85
08/22/2017 20:46:24	16.67499	16.69495	16.65166	731.99902	732	731.89996	24.52352	24.7	24.4	23.45877	23.7	23.3	31.62805	31.75336	31.5317	1.06475	1.2	0.9	1.18935	0	1.19	220424902	4010210	85
08/22/2017 20:51:24	16.67399	16.69635	16.65166	731.96276	732	731.89996	24.37636	24.5	24.2	23.31175	23.4	23.3	31.5997	31.72566	31.47628	1.0646	1.2	0.9	1.27272	0.03775	1.27333	220424902	4010210	85

08/22/2017 20:56:24	16.67341	16.69883	16.66225	731.98382	732	731.89996	24.1521	24.2	24.1	23.29576	23.4	23.2	31.57605	31.67024	31.44858	0.85634	1	0.8	1.3561	0.04604	1.35666	220424902	4010210	85
08/22/2017 21:01:24	16.67541	16.69883	16.65074	732.013	732.09997	732	23.99745	24.1	23.9	23.1823	23.3	22.9	31.54521	31.69795	31.42087	0.81515	1.19999	0.7	1.43948	0.0377	1.44	220424902	4010210	85
08/22/2017 21:06:24	16.67721	16.70032	16.64746	732.09295	732.19995	732	23.7571	23.9	23.6	22.98058	23.2	22.9	31.51694	31.61483	31.42087	0.77651	1.1	0.69999	1.52284	0.03767	1.52333	220424902	4010210	85
08/22/2017 21:11:24	16.67393	16.68975	16.65227	732.09997	732.19995	732	23.63192	23.7	23.5	22.73938	22.9	22.5	31.50584	31.64253	31.42087	0.89254	1.1	0.69999	1.60622	0.03765	1.60666	220424902	4010210	85
08/22/2017 21:16:24	16.67424	16.69933	16.64898	732.07751	732.19995	732	23.23525	23.5	23.1	22.60507	22.8	22.5	31.44528	31.55941	31.33775	0.63017	1	0.4	1.68958	0	1.69027	220424902	4010210	85
08/22/2017 21:21:24	16.67424	16.69933	16.64898	732.07751	732.19995	732	23.23525	23.5	23.1	22.60507	22.8	22.5	31.44528	31.55941	31.33775	0.63017	0.9	0.5	1.77295	0.04591	1.77333	220424902	4010210	85
08/22/2017 21:26:24	16.67388	16.69833	16.65988	732.08502	732.19995	732	23.10416	23.2	23	22.37233	22.6	22.2	31.49909	31.61483	31.33775	0.73182	0.9	0.5	1.85631	0	1.85666	220424902	4010210	85
08/22/2017 21:31:24	16.67298	16.68936	16.66119	731.99194	732	731.89996	22.9689	23.1	22.9	22.1318	22.3	21.9	31.56621	31.64253	31.44858	0.8371	1	0.69999	1.9397	0.07512	1.94	220424902	4010210	85
08/22/2017 21:36:24	16.67693	16.69515	16.65541	731.93615	732	731.89996	22.69238	22.9	22.6	21.9168	22	21.9	31.6142	31.69795	31.5317	0.77558	1	0.69999	2.02307	0.01686	2.02333	220424902	4010210	85
08/22/2017 21:41:24	16.67552	16.69542	16.66039	731.99493	732	731.89996	22.40072	22.5	22.1	21.46123	21.6	21.3	31.6837	31.78108	31.58712	0.93948	1	0.69999	2.10645	0.03748	2.10694	220424902	4010210	85
08/22/2017 21:46:24	16.67292	16.69089	16.65937	732.06451	732.09997	732	22.12016	22.3	22	21.20908	21.3	20.9	31.67634	31.78108	31.58712	0.91108	1.19999	0.7	2.18981	0.04578	2.19027	220424902	4010210	85
08/22/2017 21:51:24	16.67292	16.69089	16.65937	732.06451	732.09997	732	22.12016	22.3	22	21.20908	21.3	20.9	31.67634	31.78108	31.58712	0.91108	1.19999	0.8	2.27318	0.02071	2.27333	220424902	4010210	85
08/22/2017 21:56:24	16.67478	16.69556	16.65243	731.90936	732	731.89996	21.78393	21.9	21.5	21.00746	21.1	20.9	31.74417	31.8642	31.67024	0.77647	1	0.6	2.35655	0	2.35694	220424902	4010210	85
08/22/2017 22:01:24	16.67478	16.69556	16.65243	731.90936	732	731.89996	21.78393	21.9	21.5	21.00746	21.1	20.9	31.74417	31.8642	31.67024	0.77647	1	0.6	2.43993	0.07059	2.44	220424902	4010210	85
08/22/2017 22:06:24	16.67476	16.69096	16.65133	731.88885	731.89996	731.79998	21.53695	21.8	21.4	20.80418	20.9	20.5	31.78187	31.8919	31.69795	0.73277	1.2	0.8	2.52328	0.03737	2.52361	220424902	4010210	85
08/22/2017 22:11:24	16.67272	16.69216	16.65021	731.89795	731.89996	731.79998	21.38643	21.5	21.2	20.39741	20.7	20.2	31.85858	31.94732	31.75336	0.98901	1.2	0.8	2.60664	0.04566	2.60666	220424902	4010210	85
08/22/2017 22:16:24	16.67357	16.69916	16.6514	731.8125	731.89996	731.69995	21.01996	21.1	20.8	20.29255	20.4	20.2	31.89838	32.00273	31.80878	0.72741	0.9	0.4	2.69001	0.02075	2.69027	220424902	4010210	85
08/22/2017 22:21:24	16.67357	16.69916	16.6514	731.8125	731.89996	731.69995	21.01996	21.1	20.8	20.29255	20.4	20.2	31.89838	32.00273	31.80878	0.72741	0.9	0.4	2.77338	0	2.77333	220424902	4010210	85
08/22/2017 22:26:24	16.67497	16.70032	16.64792	731.7265	731.79998	731.69995	20.79234	20.9	20.7	20.28393	20.4	20.2	31.88737	32.00273	31.83649	0.50841	0.6	0.4	2.85677	0.02076	2.85666	220424902	4010210	85
08/22/2017 22:31:24	16.67522	16.70032	16.65142	731.65973	731.69995	731.59997	20.51511	20.6	20.5	20.09086	20.2	19.9	32.00525	32.11357	31.8642	0.42425	0.69999	0.3	2.94014	0	2.94027	220424902	4010210	85
08/22/2017 22:36:24	16.67522	16.70032	16.65142	731.65973	731.69995	731.59997	20.51511	20.6	20.5	20.09086	20.2	19.9	32.00525	32.11357	31.8642	0.42425	0.69999	0.3	3.02351	0.03734	3.02333	220424902	4010210	85
08/22/2017 22:41:24	16.67376	16.69564	16.65375	731.60095	731.69995	731.59997	20.2924	20.5	20.2	19.93191	20.2	19.9	32.02439	32.16899	31.91961	0.36049	0.6	0.1	3.10687	0.03736	3.10666	220424902	4010210	85
08/22/2017 22:46:24	16.67411	16.69683	16.65375	731.60199	731.69995	731.59997	20.1722	20.2	20.1	20.07654	20.2	19.9	32.02513	32.11357	31.97503	0.11578	0.3	0	3.19023	0	3.19	220424902	4010210	85
08/22/2017 22:51:24	16.6729	16.69218	16.65492	731.59997	731.59997	731.59997	19.99326	20.1	19.9	20.04841	20.2	19.8	32.03101	32.11357	31.91961	0.11936	0.2	0	3.27359	0.03734	3.27361	220424902	4010210	85
08/22/2017 22:56:24	16.6729	16.69218	16.65492	731.59997	731.59997	731.59997	19.99326	20.1	19.9	20.04841	20.2	19.8	32.03101	32.11357	31.91961	0.11936	0.2	0	3.35699	0.00427	3.35666	220424902	4010210	85
08/22/2017 23:01:24	16.67711	16.6898	16.66304	731.59301	731.59997	731.5	19.72871	19.9	19.6	19.7429	19.8	19.6	32.12896	32.25211	32.03044	0.09322	0.3	0	3.44038	0.0373	3.44027	220424902	4010210	85
08/22/2017 23:06:24	16.67711	16.6898	16.66304	731.59301	731.59997	731.5	19.72871	19.9	19.6	19.7429	19.8	19.6	32.12896	32.25211	32.03044	0.09322	0.3	0	3.52373	0.03731	3.52333	220424902	4010210	85
08/22/2017 23:11:24	16.6735	16.68631	16.65491	731.50201	731.59997	731.5	19.61853	19.9	19.5	19.68727	19.8	19.6	32.20317	32.33523	32.08586	0.09222	0.3	0	3.60709	0.13279	3.60694	220424902	4010210	85
08/22/2017 23:16:24	16.67307	16.69214	16.64908	731.5	731.5	731.5	19.52855	19.6	19.5	19.67483	19.8	19.6	32.24053	32.36294	32.11357	0.14627	0.3	0	3.69045	0.04562	3.69	220424902	4010210	85
08/22/2017 23:21:24	16.67235	16.69093	16.64908	731.50103	731.59997	731.5	19.49906	19.6	19.4	19.60503	19.7	19.5	32.18511	32.27982	32.05815	0.10597	0.3	0	3.77382	0	3.77361	220424902	4010210	85
08/22/2017 23:26:24	16.67266	16.69093	16.64908	731.49798	731.5	731.39996	19.4302	19.5	19.4	19.59664	19.7	19.5	32.25816	32.36294	32.11357	0.16643	0.3	0	3.85718	0.0373	3.85666	220424902	4010210	85
08/22/2017 23:31:24	16.67271	16.69093	16.64908	731.49902	731.5	731.39996	19.39329	19.4	19.3	19.57316	19.7	19.5	32.30917	32.41836	32.19669	0.17986	0.3	0.09999	3.94054	0.0208	3.94	220424902	4010210	85
08/22/2017 23:36:24	16.67383	16.69448	16.65026	731.48791	731.5	731.39996	19.18389	19.4	19.1	19.73285	19.9	19.6	32.34491	32.44606	32.25211	0.54895	0.8	0.3	4.02391	0.02486	4.02361	220424902	4010210	85
08/22/2017 23:41:24	16.67383	16.69448	16.65026	731.48791	731.5	731.39996	19.18389	19.4	19.1	19.73285	19.9	19.6	32.34491	32.44606	32.25211	0.54895	0.8	0.3	4.10726	0.02078	4.10666	220424902	4010210	85
08/22/2017 23:46:24	16.67632	16.69798	16.64561	731.5	731.5	731.5	19.06306	19.1	19	19.89664	20.2	19.8	32.33075	32.39064	32.27982	0.83358	1.19999	0.7	4.19063	0.11211	4.19027	220424902	4010210	85
08/22/2017 23:51:24	16.67632	16.69798	16.64561	731.5	731.5	731.5	19.06306	19.1	19	19.89664	20.2	19.8	32.33075	32.39064	32.27982	0.83358	1.19999	0.7	4.27401	0.07895	4.27333	220424902	4010210	85
08/22/2017 23:56:24	16.67562	16.70032	16.64794	731.43048	731.5	731.39996	19.02182	19.1	19	20.11105	20.3	19.9	32.3316	32.39064	32.25211	1.08923	1.2	0.8	4.35738	0.03739	4.35694	220424902	4010210	85
08/23/2017 00:01:24	16.67562	16.70032	16.64794	731.43048	731.5	731.39996	19.02182	19.1	19	20.11105	20.3	19.9	32.3316	32.39064	32.25211	1.08923	1.19999	0.8	4.44075	0.07471	4.44027	220424902	4010210	85
08/23/2017 00:06:24	16.67522	16.70151	16.64794	731.4104	731.5	731.39996	19.05134	19.1	19	20.13672	20.2	19.9	32.34675	32.47377	32.27982	1.08537	1.19999	0.8	4.52413	0.07471	4.52333	220424902	4010210	85
08/23/2017 00:11:24	16.67857	16.70734	16.64794	731.41204	731.5	731.39996	19.03621	19.1	19	19.92014	20.2	19.8	32.43056	32.50148	32.30752	0.88391	1.1	0.8	4.60752	0.07467	4.60694	220424902	4010210	85
08/23/2017 00:16:24	16.67846	16.70151	16.65608	731.40197	731.5	731.39996	19.05303	19.1	18.9	19.91677	20.2	19.9	32.43016	32.50148	32.33523	0.86374	1.1	0.8	4.69091	0.00832	4.69	220424902	4010210	85
08/23/2017 00:21:24	16.67776	16.69448	16.65842	731.39392	731.39996	731.29998	19.02851	19.1	18.9	19.87551	19.9	19.8	32.43248	32.50148	32.36294	0.847	1	0.7	4.77429	0.03732	4.77361	220424902	4010210	85
08/23/2017 00:26:24	16.67776	16.69448	16.65842	731.39392	731.39996	731.29998	19.02851	19.1	18.9	19.87551	19.9	19.8	32.43248	32.50148	32.36294	0.847	1	0.7	4.85764	0.05812	4.85666	220424902	4010210	85
08/23/2017 00:31:24	16.67481	16.68864	16.65724	731.39593	731.39996	731.29998	18.98993	19.1	18.9	19.71849	19.8	19.6	32.46921	32.52919	32.41836	0.72856	0.9	0.59999	4.94099	0.07463	4.94	220424902	4010210	85
08/23/2017 00:36:24	16.67563	16.70126	16.64439	731.39392	731.39996	731.29998	18.94196	19	18.9	19.43329	19.6	19.2	32.49897	32.5846	32.41836	0.49133	0.69999	0.3	5.02437	0.02082	5.02361	220424902	4010210	85
08/23/2017 00:41:24	16.67563	16.70126	16.64439	731.39392	731.39996	731.29998	18.94196	19	18.9	19.43329	19.6	19.2	32.49897	32.5846	32.41836	0.49133	0.69999	0.3	5.10773	0.04904	5.10666	220424902	4010210	85
08/23/2017 00:46:24	16.67533	16.69999	16.65114	731.39996	731.39996	731.39996	18.90337	19	18.8	19.04403	19.3	18.6	32.52786	32.69544	32.44606	0.17141	0.4	0	5.19112	0	5.19	220424902	4010210	85
08/23/2017 00:51:24	16.67335	16.69743	16.64987	731.39996	731.39996	731.39996	18.80569	18.9	18.7	18.55203	18.6	18.5	32.57251	32.69544	32.47377	0.25366	0.4	0.1	5.27448	0	5.27361	220424902	4010210	85
08/23/2017 00:56:24	16.67335	16.69743	16.64987	731.39996	731.39996	731.39996	18.80569	18.9	18.7	18.55203	18.6	18.5	32.57251	32.69544	32.47377	0.25366	0.4	0.1	5.35785	0.01625	5.35666	220424902	4010210	85
08/23/2017 01:01:24	16.6736	16.70199	16.64987	731.35571	731.39996	731.29998	18.62764	18.8	18.5	18.45102	18.5	18.3	32.66084	32.75085	32.52919	0.17661	0.4	0	5.4412	0	5.44	220424902	4010210	85
08/23/2017 01:06:24	16.67516	16.70623	16.64832	731.29998	731.29998	731.29998	18.352	18.5	18.2	17.98723	18.1	17.9	32.68204	32.80627	32.5569	0.36476	0.5	0.2	5.52458	0.03706	5.52361	220424902	4010210	85
08/23/2017 01:11:24	16.67516	16.70623	16.64832	731.29998	731.29998	731.29998	18.352	18.5	18.2	17.98723	18.1	17.9	32.68204	32.80627	32.5569	0.36476	0.5	0.2	5.60796	0.04183	5.60666	220424902	4010210	85
08/23/2017 01:16:24	16.67691	16.70269	16.65873	731.26672	731.29998	731.19995	18.21509	18.3	18.2	17.91443	18.1	17.9	32.69637	32.80627	32.61232	0.30066	0.4	0.1	5.69132	0.05802	5.69	220424902	4010210	85
08/23/2017 01:21:24	16.67251	16.69228	16.65066	731.20294	731.29998	731.19995	17.9335	18.1	17.8	17.87318	17.9	17.7	32.70703	32.83397	32.5846	0.08045	0.19999	0	5.77468	0.03231	5.77361	220424902	4010210	85
08/23/2017 01:26:24	16.67251	16.69228	16.65066	731.20294	731.29998	731.19995	17.9335	18.1	17.8	17.87318	17.9	17.7	32.70703	32.83397	32.5846	0.08045	0.19999	0	5.85804	0.07417	5.85666	220424902	4010210	85
08/23/2017 01:31:24	16.67328	16.70269	16.63894	731.2171	731.29998	731.19995	17.81511	17.9	17.7	17.8252	17.9	17.7	32.72056	32.88939	32.61232	0.08384	0.2	0	5.94141	0.03709	5.94	220424902	4010210	85
08/23/2017 01:36:24	16.67383	16.69681	16.64934	731.19995	731.19995	731.19995	17.57382	17.6	17.5	17.81409	17.9	17.7	32.73425	32.86169	32.61232	0.24027	0.4	0.1	6.02477	0.00473	6.02361	220424902	4010210	85
08/23/2017 01:41:24	16.67475	16.69681	16.64934	731.15161	731.19995	731.09997	17.51342	17.6	17.5	17.78255	17.9	17.7	32.72927	32.88939	32.61232	0.26913	0.4	0.1	6.10814	0.05325	6.10694	220424902	4010210	85
08/23/2017 01:46:24	16.67475	16.69681	16.64934	731.15161	731.19995	731.09997	17.51342	17.6	17.5	17.78255	17.9	17.7	32.72927	32.88939	32.61232	0.26913	0.4	0.1	6.1915	0.04185	6.19	220424902	4010210	85
08/23/2017 01:51:24	16.67425	16.69915	16.65167	731.09997	731.09997	731.09997	17.49667	17.6	17.3	17.79263	17.9	17.7	32.82396	33.02793	32.69544	0.29595	0.5	0.1	6.27487	0.02093	6.27333	220424902	4010210	85
08/23/2017 01:56:24	16.67558	16.70503	16.65754	731.09997	731.09997	731.09997	17.36038	17.5	17.2	17.85872	17.9	17.7	32.84419	33.00022	32.75085	0.49834	0.7	0.4	6.35823	0.0371	6.35666	220424902	4010210	85
08/23/2017 02:01:24	16.67485	16.69915	16.65167	731.09997	731.09997	731.09997	17.2148	17.3	17.2	17.76869	17.9	17.7	32.95819	33.11106	32.75085	0.55388	0.7	0.4	6.44158	0	6.44	220424902	4010210	85
08/23/2017 02:06:24	16.67351	16.69561	16.65167	731.0545	731.09997	731	17.13805	17.3	17.1	17.63705	17.8	17.4	33.00525	33.16648	32.77856	0.499	0.6	0.3	6.52493	0	6.52361	220424902	4010210	85
08/23/2017 02:11:24	16.67351	16.69561	16.65167	731.0545	731.09997	731	17.13805	17.3	17.1	17.63705	17.8	17.4	33.00525	33.16648	32.77856	0.499	0.6	0.3	6.6083	0.03232	6.60666	220424902	4010210	85
08/23/2017 02:16:24	16.67435	16.69696	16.65267	731.00305	731.09997	731	17.11481	17.2	17	17.71687	17.9	17.5	33.07604	33.22188	32.9171	0.60205	0.9	0.3	6.69168	0.0951	6.69	220424902	4010210	85
08/23/2017 02:21:24	16.67401	16.70601	16.64946	730.9646	731	730.89996	17.06969	17.1	16.9	17.80777	17.9	17.7	33.09623	33.19418	33.02793	0.73808	1	0.6	6.77505	0.02093	6.77361	220424902	4010210	85
08/23/2017 02:26:24	16.67401	16.70601	16.64946	730.9646	731	730.89996	17.06969	17.1	16.9	17.80777	17.9	17.7	33.09623	33.19418	33.02793	0.73808	1	0.6	6.85841	0.0371	6.85666	220424902	4010210	85
08/23/2017 02:31:24	16.67557	16.6993	16.65634	730.89996	730.89996	730.89996	17.05183	17.2	17	17.83602	17.9	17.7	33.14494	33.22188	32.9448	0.78418	0.9	0.6	6.94177	0	6.94	220424902	4010210	85
08/23/2017 02:36:24	16.67755	16.68889	16.65766	730.89996	730.89996	730.89996	17.03137	17.1	17	17.88779	17.9	17.7	33.20708	33.2773	33.11106	0.85642	0.9	0.6	7.02513	0.02093	7.02333	220424902	4010210	85
08/23/2017 02:41:24	16.67815	16.6993	16.65766	730.89996	730.89996	730.89996	17.02829	17.1	17	17.88957	18	17.7	33.23338	33.2773	33.13877	0.86128	0.99999	0.6	7.10851	0.07413	7.10666	220424902	4010210	85
08/23/2017 02:46:24	16.67503	16.69659	16.65952	730.89996	730.89996	730.89996	17.01012	17.1	16.9	17.39463	17.5	17.3	33.27258	33.44355	33.22188	0.38451	0.5	0.3	7.19188	0.05802	7.19027	220424902	4010210	85
08/23/2017 02:51:24	16.67503	16.69659	16.65952	730.89996	730.89996	730.89996	17.01012	17.1	16.9	17.39463	17.5	17.3	33.27258	33.44355	33.22188	0.38451	0.5	0.3	7.27523	0	7.27333	220424902	4010210	85
08/23/2017 02:56:24	16.67467	16.69304	16.65147	730.80505	730.89996	730.79998	16.95958	17.1	16.9	17.31816	17.4	17.3	33.3238	33.47126	33.2496	0.35858	0.59999	0.3	7.35861	0.0161	7.35694	220424902	4010210	85
08/23/2017 03:01:24	16.67467	16.69304	16.65147	730.80505	730.89996	730.79998	16.9249	17	16.9	17.35152	17.5	17.3	33.35931	33.44355	33.2496	0.42662	0.59999	0.3	7.44197	0	7.44	220424902	4010210	85
08/23/2017 03:06:24	16.67472	16.69304	16.65147	730.802	730.89996	730.79998	16.89666	17	16.7	17.36297	17.5	17.3	33.39627	33.47126	33.30501	0.46631	0.6	0.3	7.52535	0.03705	7.52333	220424902	4010210	85
08/23/2017 03:11:24	16.67411	16.69755	16.65599	730.80102	730.89996	730.79998	16.74716	16.9	16.7	17.25519	17.3	17.2	33.35178	33.49897	33.19418	0.50803	0.6	0.3	7.60871	0.01606	7.60694	220424902	4010210	85
08/23/2017 03:16:24	16.67411	16.69755	16.65599	730.80102	730.89996	730.79998	16.74716	16.9	16.7	17.25519	17.3	17.2	33.35178	33.49897	33.19418	0.50803	0.6	0.3	7.69207	0	7.69	220424902	4010210	85
08/23/2017 03:21:24	16.67372	16.69474	16.65011	730.80401	730.89996	730.79998	16.68547	16.7	16.6	17.06553	17.3	16.8	33.38732	33.52668	33.2773	0.38005	0.7	0.1	7.77543	0.0739	7.77333	220424902	4010210	85
08/23/2017 03:26:24	16.67573	16.69779	16.65633	730.79998	730.79998	730.79998	16.51679	16.7	16.4	16.59998	16.8	16.5	33.45695	33.55439	33.36043	0.09664	0.3	0	7.8588	0.02101	7.85694	220424902	4010210	85
08/23/2017 03:31:24	16.67573	16.69779	16.65633	730.79998	730.79998	730.79998	16.51679	16.7	16.4	16.59998	16.8	16.5	33.45695	33.55439	33.36043	0.09664	0.3	0	7.94216	0.02101	7.94	220424902	4010210	85
08/23/2017 03:36:24	16.67477	16.70013	16.65278	730.73931	730.79998	730.69995	16.45182	16.5	16.4	16.52801	16.6	16.3	33.44662	33.55439	33.36043	0.08291	0.19999	0	8.02552	0.05799	8.02361	220424902	4010210	85
08/23/2017 03:41:24	16.67477	16.70013	16.65278	730.73931	730.79998	730.69995	16.45182	16.5	16.4	16.52801	16.6	16.3	33.44662	33.55439	33.36043	0.08291	0.19999	0	8.1089	0.05796	8.10666	220424902	4010210	85
08/23/2017 03:46:24	16.67819	16.68977	16.65633	730.70196	730.79998	730.69995	16.3529	16.4	16.1	16.59327	16.7	16.5	33.5197	33.63751	33.41584	0.24037	0.5	0.09999	8.19227	0.02102	8.19	220424902	4010210	85

08/23/2017 03:51:24	16.67577	16.70013	16.65135	730.67968	730.69995	730.59997	16.17469	16.4	16	16.53944	16.6	16.3	33.58713	33.72063	33.47126	0.36475	0.5	0.2	8.2757	0.00512	8.27361	220424902	4010210	85
08/23/2017 03:56:24	16.674	16.69423	16.65135	730.64135	730.69995	730.59997	16.08544	16.1	16	16.44868	16.6	16.3	33.65239	33.72063	33.55439	0.36324	0.5	0.2	8.35912	0.05796	8.35666	220424902	4010210	85
08/23/2017 04:01:24	16.67509	16.70693	16.65369	730.60601	730.69995	730.59997	15.97872	16.1	15.9	16.31684	16.5	16.2	33.68759	33.80376	33.55439	0.33812	0.59999	0.19999	8.44256	0.03693	8.44027	220424902	4010210	85
08/23/2017 04:06:24	16.67509	16.70693	16.65369	730.60601	730.69995	730.59997	15.97872	16.1	15.9	16.31684	16.5	16.2	33.68759	33.80376	33.55439	0.33812	0.4	0.09999	8.52597	0.02105	8.52361	220424902	4010210	85
08/23/2017 04:11:24	16.67599	16.69957	16.65369	730.60705	730.69995	730.59997	15.93027	16.1	15.9	16.20697	16.3	16	33.6647	33.74834	33.55439	0.2767	0.4	0.09999	8.60939	0.05276	8.60666	220424902	4010210	85
08/23/2017 04:16:24	16.67663	16.68774	16.6567	730.59997	730.59997	730.59997	15.83161	15.9	15.8	15.99999	16.1	15.9	33.72062	33.80376	33.66522	0.16838	0.3	0.09999	8.69281	0.03687	8.69027	220424902	4010210	85
08/23/2017 04:21:24	16.67663	16.68774	16.6567	730.59997	730.59997	730.59997	15.83161	15.9	15.8	15.99999	16.1	15.9	33.72062	33.80376	33.66522	0.16838	0.3	0.09999	8.77623	0.02106	8.77333	220424902	4010210	85
08/23/2017 04:26:24	16.6749	16.68774	16.66114	730.59997	730.59997	730.59997	15.6946	15.8	15.5	15.96301	16	15.9	33.81467	33.88688	33.72063	0.26841	0.49999	0.1	8.85968	0.05796	8.85694	220424902	4010210	85
08/23/2017 04:31:24	16.67589	16.69809	16.66114	730.599	730.59997	730.5	15.59679	15.8	15.5	15.97645	16	15.9	33.85242	33.91458	33.72063	0.37966	0.49999	0.1	8.94314	0.03687	8.94027	220424902	4010210	85
08/23/2017 04:36:24	16.67589	16.69809	16.66114	730.599	730.59997	730.5	15.59679	15.8	15.5	15.97645	16	15.9	33.85242	33.91458	33.72063	0.37966	0.49999	0.1	9.02657	0.07382	9.02333	220424902	4010210	85
08/23/2017 04:41:24	16.67659	16.70191	16.65458	730.54943	730.59997	730.5	15.49664	15.5	15.4	16.0661	16.2	16	33.769	33.85917	33.66522	0.56946	0.8	0.4	9.11001	0.03687	9.10694	220424902	4010210	85
08/23/2017 04:46:24	16.67468	16.69155	16.6567	730.53234	730.59997	730.5	15.48989	15.7	15.4	16.09352	16.2	16	33.7844	33.85917	33.69293	0.60363	0.8	0.4	9.19345	0.0369	9.19	220424902	4010210	85
08/23/2017 04:51:24	16.67759	16.69008	16.6567	730.54235	730.59997	730.5	15.46298	15.5	15.4	16.02017	16.1	16	33.84124	33.88688	33.77605	0.55718	0.69999	0.49999	9.27686	0.0369	9.27361	220424902	4010210	85
08/23/2017 04:56:24	16.67727	16.69599	16.65313	730.5	730.5	730.5	15.43498	15.5	15.4	16.00338	16.1	15.9	33.85329	33.91458	33.77605	0.5684	0.69999	0.49999	9.36028	0.02106	9.35666	220424902	4010210	85
08/23/2017 05:01:24	16.67577	16.69008	16.65313	730.5	730.5	730.5	15.41681	15.5	15.3	15.9417	16	15.9	33.86642	33.94229	33.80376	0.52488	0.6	0.39999	9.4437	0	9.44	220424902	4010210	85
08/23/2017 05:06:24	16.67397	16.70486	16.66201	730.5	730.5	730.5	15.37311	15.4	15.2	15.86753	16	15.6	33.86785	33.94229	33.80376	0.49442	0.6	0.19999	9.52714	0.02109	9.52361	220424902	4010210	85
08/23/2017 05:11:24	16.67315	16.6871	16.65167	730.5	730.5	730.5	15.33943	15.4	15.2	15.68317	15.9	15.6	33.88492	33.94229	33.80376	0.34373	0.6	0.19999	9.61058	0.01575	9.60666	220424902	4010210	85
08/23/2017 05:16:24	16.67395	16.69743	16.65376	730.50311	730.59997	730.5	15.2269	15.4	15.1	15.66058	15.9	15.5	33.91911	34.02542	33.85917	0.43367	0.7	0.3	9.694	0.01575	9.69027	220424902	4010210	85
08/23/2017 05:21:24	16.67395	16.69743	16.65376	730.50311	730.59997	730.5	15.2269	15.4	15.1	15.66058	15.9	15.5	33.91911	34.02542	33.85917	0.43367	0.7	0.3	9.77743	0.02109	9.77333	220424902	4010210	85
08/23/2017 05:26:24	16.6749	16.69451	16.65313	730.49597	730.5	730.39996	15.18878	15.2	15.1	15.83549	16	15.6	33.96675	34.05313	33.83146	0.6467	0.9	0.4	9.86089	0.00833	9.85694	220424902	4010210	85
08/23/2017 05:31:24	16.6749	16.69451	16.65313	730.49597	730.5	730.39996	15.18878	15.2	15.1	15.83549	16	15.6	33.96675	34.05313	33.83146	0.6467	0.9	0.4	9.94436	0	9.94	220424902	4010210	85
08/23/2017 05:36:24	16.6758	16.69599	16.65102	730.45648	730.5	730.39996	15.15626	15.2	15.1	16.02464	16.1	15.9	33.95624	34.08084	33.85917	0.86838	1	0.7	10.02779	0.05796	10.02361	220424902	4010210	85
08/23/2017 05:41:24	16.6758	16.69599	16.65102	730.45648	730.5	730.39996	15.15626	15.2	15.1	16.02464	16.1	15.9	33.95624	34.08084	33.85917	0.86838	1	0.7	10.11121	0.04448	10.10666	220424902	4010210	85
08/23/2017 05:46:24	16.67664	16.6998	16.65692	730.4201	730.5	730.39996	15.16503	15.2	15.1	16.22808	16.3	16	33.98041	34.13626	33.88688	1.06304	1.2	0.8	10.19464	0.05283	10.19027	220424902	4010210	85
08/23/2017 05:51:24	16.67664	16.6998	16.65692	730.4201	730.5	730.39996	15.16503	15.2	15.1	16.22808	16.3	16	33.98041	34.13626	33.88688	1.06304	1.2	0.8	10.27806	0	10.27333	220424902	4010210	85
08/23/2017 05:56:24	16.67665	16.69389	16.66282	730.40094	730.5	730.39996	15.18321	15.3	15.1	16.25965	16.3	16.2	33.99908	34.13626	33.88688	1.07644	1.2	0.9	10.36147	0	10.35666	220424902	4010210	85
08/23/2017 06:01:24	16.67657	16.6998	16.65602	730.46167	730.5	730.39996	15.18653	15.2	15.1	16.2832	16.3	16.2	33.98175	34.05313	33.91458	1.09666	1.2	1	10.4449	0.0318	10.44	220424902	4010210	85
08/23/2017 06:06:24	16.67673	16.68854	16.65602	730.50012	730.59997	730.5	15.23028	15.4	15.2	16.30902	16.5	16.2	33.96798	34.05313	33.85917	1.07874	1.3	0.9	10.52833	0.03692	10.52361	220424902	4010210	85
08/23/2017 06:11:24	16.67673	16.68854	16.65602	730.50012	730.59997	730.5	15.23028	15.4	15.2	16.30902	16.5	16.2	33.96798	34.05313	33.85917	1.07874	1.3	0.9	10.61175	0.11082	10.60666	220424902	4010210	85
08/23/2017 06:16:24	16.67499	16.69891	16.65369	730.5899	730.59997	730.5	15.28451	15.4	15.2	16.34974	16.5	16.3	33.95962	34.05313	33.85917	1.06522	1.3	0.9	10.69517	0.00512	10.69027	220424902	4010210	85
08/23/2017 06:21:24	16.67499	16.69891	16.65369	730.5899	730.59997	730.5	15.28451	15.4	15.2	16.34974	16.5	16.3	33.95962	34.05313	33.85917	1.06522	1.3	0.9	10.77861	0.02104	10.77333	220424902	4010210	85
08/23/2017 06:26:24	16.67668	16.69657	16.65815	730.59497	730.59997	730.5	15.31793	15.4	15.2	16.24837	16.5	16.1	33.96332	34.08084	33.85917	0.93043	1.19999	0.8	10.86207	0	10.85666	220424902	4010210	85
08/23/2017 06:31:24	16.67719	16.68921	16.65815	730.59997	730.59997	730.59997	15.34163	15.4	15.2	16.24367	16.3	16.2	34.00807	34.10855	33.88688	0.90204	1.1	0.69999	10.94552	0.01272	10.94027	220424902	4010210	85
08/23/2017 06:36:24	16.67502	16.69723	16.65581	730.67981	730.69995	730.59997	15.38858	15.4	15.3	16.13716	16.2	16	33.99751	34.10855	33.91458	0.74858	0.9	0.59999	11.02898	0.0369	11.02361	220424902	4010210	85
08/23/2017 06:41:24	16.67502	16.69723	16.65581	730.67981	730.69995	730.59997	15.38858	15.4	15.3	16.13716	16.2	16	33.99751	34.10855	33.91458	0.74858	0.9	0.59999	11.1124	0	11.10666	220424902	4010210	85
08/23/2017 06:46:24	16.67462	16.704	16.65437	730.66955	730.69995	730.59997	15.37308	15.5	15.2	16.03696	16.2	15.9	34.04571	34.13626	33.94229	0.66388	0.7	0.5	11.19582	0	11.19027	220424902	4010210	85
08/23/2017 06:51:24	16.67719	16.69217	16.65881	730.68383	730.69995	730.59997	15.37981	15.4	15.2	15.93828	16.1	15.9	34.06287	34.16396	33.97	0.55847	0.7	0.5	11.27924	0.07372	11.27333	220424902	4010210	85
08/23/2017 06:56:24	16.67827	16.69217	16.65143	730.69494	730.69995	730.59997	15.35295	15.4	15.2	15.82939	15.9	15.6	34.08819	34.19167	33.97	0.47644	0.6	0.19999	11.36267	0.0053	11.35694	220424902	4010210	85
08/23/2017 07:01:24	16.67827	16.69217	16.65143	730.69494	730.69995	730.59997	15.35295	15.4	15.2	15.82939	15.9	15.6	34.08819	34.19167	33.97	0.47644	0.6	0.19999	11.4461	0.02108	11.44	220424902	4010210	85
08/23/2017 07:06:24	16.67834	16.70018	16.65734	730.69995	730.69995	730.69995	15.34168	15.4	15.2	15.81032	15.9	15.6	34.11804	34.21937	33.99771	0.46863	0.7	0.19999	11.52953	0.02108	11.52333	220424902	4010210	85
08/23/2017 07:11:24	16.67684	16.68983	16.65734	730.69995	730.69995	730.69995	15.33024	15.4	15.2	15.69662	15.9	15.6	34.11339	34.19167	34.02542	0.36638	0.6	0.19999	11.61296	0.03682	11.60666	220424902	4010210	85
08/23/2017 07:16:24	16.67714	16.70018	16.65734	730.70196	730.79998	730.69995	15.26756	15.4	15.2	15.71682	15.9	15.6	34.15679	34.21937	34.05313	0.44925	0.7	0.3	11.69639	0.04518	11.69	220424902	4010210	85
08/23/2017 07:21:24	16.67463	16.69723	16.65647	730.7879	730.79998	730.69995	15.33245	15.4	15.2	15.97729	16.2	15.9	34.14692	34.24709	34.05313	0.64484	1	0.5	11.77982	0.03686	11.77361	220424902	4010210	85
08/23/2017 07:26:24	16.67477	16.69488	16.65203	730.79998	730.79998	730.79998	15.36823	15.5	15.2	16.03797	16.2	15.9	34.11651	34.21937	34.02542	0.66973	0.9	0.49999	11.86325	0.03689	11.85694	220424902	4010210	85
08/23/2017 07:31:24	16.67477	16.69488	16.65203	730.79998	730.79998	730.79998	15.36823	15.5	15.2	16.03797	16.2	15.9	34.11651	34.21937	34.02542	0.66973	0.9	0.49999	11.94668	0.0369	11.94	220424902	4010210	85
08/23/2017 07:36:24	16.67519	16.68453	16.65793	730.79998	730.79998	730.79998	15.49867	15.7	15.4	16.1933	16.3	16.1	34.04309	34.10855	33.91458	0.69462	0.8	0.59999	12.03011	0	12.02361	220424902	4010210	85
08/23/2017 07:41:24	16.67519	16.68453	16.65793	730.79998	730.79998	730.79998	15.49867	15.7	15.4	16.1933	16.3	16.1	34.04309	34.10855	33.91458	0.69462	0.8	0.59999	12.11352	0.01346	12.10666	220424902	4010210	85
08/23/2017 07:46:24	16.67475	16.69189	16.65937	730.80114	730.89996	730.79998	15.62771	15.8	15.5	16.30529	16.5	16.2	34.0461	34.10855	33.94229	0.67758	0.99999	0.4	12.19696	0.05288	12.19	220424902	4010210	85
08/23/2017 07:51:24	16.67693	16.69545	16.66436	730.89996	730.89996	730.89996	15.83817	15.9	15.8	16.54409	16.7	16.3	34.0257	34.10855	33.97	0.70591	0.8	0.5	12.28042	0.02101	12.27361	220424902	4010210	85
08/23/2017 07:56:24	16.67693	16.69545	16.66436	730.89996	730.89996	730.89996	15.83817	15.9	15.8	16.54409	16.7	16.3	34.0257	34.10855	33.97	0.70591	0.8	0.5	12.36388	0	12.35694	220424902	4010210	85
08/23/2017 08:01:24	16.67416	16.68955	16.65847	730.96569	731	730.89996	15.94369	16.1	15.8	16.63278	16.8	16.5	33.97507	34.08084	33.85917	0.68909	0.9	0.59999	12.44734	0.05295	12.44	220424902	4010210	85
08/23/2017 08:06:24	16.67588	16.69007	16.66343	731	731	731	16.15916	16.4	16	16.85039	16.9	16.8	33.97383	34.05313	33.91458	0.69123	0.8	0.5	12.53076	0.09495	12.52361	220424902	4010210	85
08/23/2017 08:11:24	16.67606	16.69737	16.66034	731	731	731	16.3725	16.5	16.1	16.95609	17.3	16.8	33.95403	34.05313	33.83146	0.58359	0.9	0.4	12.6142	0.02096	12.60694	220424902	4010210	85
08/23/2017 08:16:24	16.67606	16.69737	16.66034	731	731	731	16.3725	16.5	16.1	16.95609	17.3	16.8	33.95403	34.05313	33.83146	0.58359	0.9	0.4	12.69765	0.03712	12.69	220424902	4010210	85
08/23/2017 08:21:24	16.67543	16.69242	16.66119	731	731	731	16.49866	16.7	16.4	17.64983	18	17.2	33.9327	34.05313	33.83146	1.15117	1.49999	0.8	12.78109	0.01631	12.77333	220424902	4010210	85
08/23/2017 08:26:24	16.67595	16.69962	16.65663	731.04858	731.09997	731	16.77709	17	16.5	18.30429	18.7	17.9	33.86213	33.94229	33.77605	1.5272	1.8	0.8	12.86453	0.03714	12.85694	220424902	4010210	85
08/23/2017 08:31:24	16.67506	16.69272	16.65102	731.09997	731.09997	731.09997	17.11532	17.5	16.9	18.40368	18.7	18.1	33.86002	33.99771	33.74834	1.28836	1.8	0.8	12.94798	0.02537	12.94	220424902	4010210	85
08/23/2017 08:36:24	16.67566	16.69038	16.65326	731.19592	731.19995	731.09997	17.85477	18.1	17.6	18.38723	18.7	18.3	33.88931	33.99771	33.74834	0.53245	1.1	0.2	13.03143	0.02089	13.02361	220424902	4010210	85
08/23/2017 08:41:24	16.67566	16.69038	16.65326	731.19592	731.19995	731.09997	17.85477	18.1	17.6	18.38723	18.7	18.3	33.88931	33.99771	33.74834	0.53245	1.1	0.2	13.11488	0	13.10666	220424902	4010210	85
08/23/2017 08:46:24	16.67396	16.69882	16.64996	731.19592	731.19995	731.09997	18.22134	18.4	18.1	18.60065	18.9	18.4	33.91961	34.02542	33.83146	0.37931	0.7	0.19999	13.19833	0.03728	13.19	220424902	4010210	85
08/23/2017 08:51:24	16.67328	16.68854	16.66039	731.27478	731.29998	731.19995	18.49784	18.8	18.2	19.01056	19.3	18.6	33.88375	33.94229	33.80376	0.51271	0.7	0.19999	13.28179	0.03731	13.27333	220424902	4010210	85
08/23/2017 08:56:24	16.67637	16.70458	16.65805	731.34356	731.39996	731.29998	19.09644	19.4	18.9	19.1537	19.5	18.6	33.85924	33.94229	33.74834	0.28144	0.7	0	13.36521	0.01644	13.35694	220424902	4010210	85
08/23/2017 09:01:24	16.67637	16.70458	16.65805	731.34356	731.39996	731.29998	19.09644	19.4	18.9	19.1537	19.5	18.6	33.85924	33.94229	33.74834	0.28144	0.7	0	13.44863	0.09543	13.44	220424902	4010210	85
08/23/2017 09:06:24	16.6767	16.69448	16.65842	731.39996	731.39996	731.39996	19.75613	20	19.6	19.82369	20.2	19.6	33.7732	33.85917	33.72063	0.10785	0.3	0	13.53206	0.02498	13.52361	220424902	4010210	85
08/23/2017 09:11:24	16.6767	16.69448	16.65842	731.39996	731.39996	731.39996	19.75613	20	19.6	19.82369	20.2	19.6	33.7732	33.85917	33.72063	0.10785	0.3	0	13.61551	0.02074	13.60666	220424902	4010210	85
08/23/2017 09:16:24	16.67594	16.69686	16.65492	731.40301	731.5	731.39996	20.11808	20.3	20	20.16226	20.4	19.9	33.73717	33.83146	33.66522	0.1046	0.2	0	13.69896	0.03744	13.69	220424902	4010210	85
08/23/2017 09:21:24	16.67635	16.6944	16.65595	731.50805	731.59997	731.5	20.86748	21.2	20.7	20.94572	21.1	20.8	33.64358	33.77605	33.52668	0.11255	0.3	0	13.7824	0	13.77361	220424902	4010210	85
08/23/2017 09:26:24	16.67635	16.6944	16.65595	731.50805	731.59997	731.5	20.86748	21.2	20.7	20.94572	21.1	20.8	33.64358	33.77605	33.52668	0.11255	0.3	0	13.86587	0.03753	13.85694	220424902	4010210	85
08/23/2017 09:31:24	16.67449	16.6991	16.65233	731.50805	731.59997	731.5	21.23612	21.4	21.1	21.1469	21.3	20.9	33.60507	33.69293	33.52668	0.10938	0.3	0	13.9493	0.02921	13.94	220424902	4010210	85
08/23/2017 09:36:24	16.67531	16.70005	16.66159	731.58258	731.59997	731.5	21.99188	22.3	21.8	21.43817	21.6	21.3	33.57404	33.66522	33.44355	0.5537	0.8	0.3	14.03277	0	14.02361	220424902	4010210	85
08/23/2017 09:41:24	16.67531	16.70005	16.66159	731.58258	731.59997	731.5	21.99188	22.3	21.8	21.43817	21.6	21.3	33.57404	33.66522	33.44355	0.5537	0.8	0.3	14.11622	0.02064	14.10666	220424902	4010210	85
08/23/2017 09:46:24	16.67453	16.69741	16.65765	731.6181	731.69995	731.59997	22.63685	22.9	22.5	22.01418	22.2	21.9	33.63241	33.74834	33.41584	0.62267	0.9	0.3	14.19965	0.01196	14.19027	220424902	4010210	85
08/23/2017 09:51:24	16.67453	16.69741	16.65765	731.6181	731.69995	731.59997	22.63685	22.9	22.5	22.01418	22.2	21.9	33.63241	33.74834	33.41584	0.62267	0.9	0.3	14.28308	0.08364	14.27333	220424902	4010210	85
08/23/2017 09:56:24	16.67625	16.71161	16.65679	731.70495	731.79998	731.69995	23.33811	23.5	23.2	22.26143	22.6	21.7	33.66779	33.77605	33.58209	0.73706	0.7	0	14.36653	0.03772	14.35694	220424902	4010210	85
08/23/2017 10:01:24	16.67631	16.69526	16.65632	731.74151	731.79998	731.69995	23.68514	23.8	23.5	23.09817	23.3	22.9	33.75491	33.94229	33.58209	0.58696	0.9	0.3	14.44996	0.03769	14.44027	220424902	4010210	85
08/23/2017 10:06:24	16.67631	16.69526	16.65632	731.74151	731.79998	731.69995	23.68514	23.8	23.5	23.09817	23.3	22.9	33.75491	33.94229	33.58209	0.58696	0.9	0.3	14.53339	0.02053	14.52333	220424902	4010210	85
08/23/2017 10:11:24	16.67576	16.69571	16.65742	731.82013	732	731.79998	24.34155	24.5	24.1	23.6376	24	23.2	33.85025	33.97	33.74834	0.70394	1.3	0.19999	14.61681	0.00331	14.60694	220424902	4010210	85
08/23/2017 10:16:24	16.67576	16.69571	16.65742	731.82013	732	731.79998	24.34155	24.5	24.1	23.6376	24	23.2	33.85025	33.97	33.74834	0.70394	1.6	1	14.70026	0.04104	14.69	220424902	4010210	85
08/23/2017 10:21:24	16.67576	16.69962	16.66116	731.82922	732	731.79998	24.69185	24.8	24.5	23.33457	23.7	23.2	33.98705	34.13626	33.83146	1.35728	1.6	1	14.78366	0.00832	14.77333	220424902	4010210	85
08/23/2017 10:26:24	16.67483	16.69349	16.64927	731.85064	732	731.79998	25.19114	25.4	25	24.36989	24.9	24	33.91703	34.08084	33.77605	0.82125	1.1	0.4	14.8671	0.0758	14.85694	220424902	4010210	85
08/23/2017 10:31:24	16.67558	16.69262	16.65902	731.85064	732	731.79998	25.19114	25.4	25	24.36989	24.9	24	33.91703	34.08084	33.77605	0.82125	1.6	1	14.95053	0.01215	14.94027	220424902	4010210	85
08/23/2017 10:36:24	16.67558	16.69262	16.65902	731.85937	731.89996	731.79998	25.47179	25.6	25.4	24.2496	24.5	23.9	34.02422	34.13626	33.85917	1.22219	1.6	1	15.03398	0.05537	15.02333	220424902	4010210	85
08/23/2017 10:41:24	16.67532	16.69517	16.64629	731.8211	732	731.79998	25.71664	25.9	25.5	24.56907	25	24.3	34.04629	34.16396	33.91458	1.14757	1.6	0.7	15.11742	0.05253	15.10666	220424902	4010210	85

08/23/2017 10:46:24	16.67515	16.69517	16.65668	731.81811	731.89996	731.79998	26.01002	26.1	25.9	24.75659	25.1	24.3	34.10049	34.21937	33.97	1.25342	1.7	0.9	15.20087	0.03501	15.19	220424902	4010210	85
08/23/2017 10:51:24	16.67626	16.69679	16.65435	731.8161	731.89996	731.79998	26.52274	26.7	26.3	24.9984	25.6	24.6	34.19875	34.27479	34.10855	1.52434	1.9	1	15.2843	0	15.27361	220424902	4010210	85
08/23/2017 10:56:24	16.67626	16.69679	16.65435	731.8161	731.89996	731.79998	26.52274	26.7	26.3	24.9984	25.6	24.6	34.19875	34.27479	34.10855	1.52434	1.9	1	15.36774	0.02039	15.35666	220424902	4010210	85
08/23/2017 11:01:24	16.6751	16.69446	16.65415	731.82818	731.89996	731.79998	26.87433	27.1	26.8	25.33045	25.6	25	34.2205	34.3025	34.08084	1.54388	2.1	1.2	15.45116	0.00546	15.44027	220424902	4010210	85
08/23/2017 11:06:24	16.6751	16.69446	16.65415	731.82818	731.89996	731.79998	26.87433	27.1	26.8	25.33045	25.6	25	34.2205	34.3025	34.08084	1.54388	2.19999	0.9	15.53459	0.02552	15.52361	220424902	4010210	85
08/23/2017 11:11:24	16.67663	16.70172	16.65597	731.82214	731.89996	731.79998	27.13617	27.3	26.9	25.66616	26.4	24.9	34.24189	34.38562	34.13626	1.47001	2.19999	0.9	15.61802	0.03814	15.60666	220424902	4010210	85
08/23/2017 11:16:24	16.67574	16.69264	16.65639	731.79998	731.89996	731.69995	27.35295	27.5	27.2	26.11586	26.5	25.6	34.21587	34.33021	34.10855	1.23709	1.8	0.7	15.70143	0.00521	15.69	220424902	4010210	85
08/23/2017 11:21:24	16.67558	16.71008	16.65851	731.7503	731.79998	731.69995	27.78988	28	27.7	26.55761	26.9	25.9	34.25571	34.38562	34.10855	1.23226	1.8	0.8	15.78485	0.05611	15.77361	220424902	4010210	85
08/23/2017 11:26:24	16.67558	16.71008	16.65851	731.7503	731.79998	731.69995	27.78988	28	27.7	26.55761	26.9	25.9	34.25571	34.38562	34.10855	1.23226	1.8	0.8	15.86826	0	15.85666	220424902	4010210	85
08/23/2017 11:31:24	16.67564	16.70133	16.64781	731.79296	731.79998	731.69995	27.99662	28.1	27.8	26.74763	27.1	26.5	34.26033	34.38562	34.13626	1.24898	1.6	0.8	15.95169	0.07637	15.94	220424902	4010210	85
08/23/2017 11:36:24	16.6755	16.70506	16.65146	731.70092	731.79998	731.69995	28.49866	28.6	28.4	26.91064	27.4	26.5	34.3821	34.46875	34.27479	1.58802	2	1.1	16.0351	0.02256	16.02361	220424902	4010210	85
08/23/2017 11:41:24	16.67561	16.70136	16.6521	731.70092	731.79998	731.59997	28.70675	29	28.5	27.26451	27.5	26.9	34.38303	34.49646	34.27479	1.44224	2	1	16.11853	0.0203	16.10694	220424902	4010210	85
08/23/2017 11:46:24	16.67561	16.70136	16.6521	731.70092	731.79998	731.59997	28.70675	29	28.5	27.26451	27.5	26.9	34.38303	34.49646	34.27479	1.44224	2.2	1.6	16.20195	0.0106	16.19027	220424902	4010210	85
08/23/2017 11:51:24	16.67566	16.69801	16.64642	731.69189	731.69995	731.59997	28.99192	29.1	28.9	27.07305	27.4	26.8	34.44646	34.55188	34.3025	1.91887	2.2	1.6	16.28536	0.03222	16.27333	220424902	4010210	85
08/23/2017 11:56:24	16.6753	16.71578	16.65146	731.68182	731.69995	731.59997	29.09194	29.2	29	27.05502	27.6	26.8	34.49504	34.60729	34.33021	2.03692	2.3	1.5	16.36876	0.05227	16.35666	220424902	4010210	85
08/23/2017 12:01:24	16.67642	16.70164	16.64827	731.68084	731.69995	731.59997	29.18654	29.3	29.1	27.82933	28.5	27.3	34.4311	34.57958	34.3025	1.3572	1.9	0.8	16.45202	0.01814	16.44	220424902	4010210	85
08/23/2017 12:06:24	16.67619	16.70107	16.64721	731.66339	731.69995	731.59997	29.61675	29.7	29.5	28.19729	28.6	27.7	34.46067	34.55188	34.41333	1.41945	1.9	1	16.53523	0.01817	16.52361	220424902	4010210	85
08/23/2017 12:11:24	16.67619	16.70107	16.64721	731.66339	731.69995	731.59997	29.61675	29.7	29.5	28.19729	28.6	27.7	34.46067	34.55188	34.41333	1.41945	1.7	1	16.61844	0.05863	16.60666	220424902	4010210	85
08/23/2017 12:16:24	16.67593	16.70731	16.64774	731.60095	731.69995	731.59997	29.79867	30.1	29.7	28.47454	28.8	28.1	34.4825	34.55188	34.44104	1.32412	1.7	1	16.70165	0.02647	16.69	220424902	4010210	85
08/23/2017 12:21:24	16.67476	16.69873	16.63922	731.65264	731.69995	731.59997	30.05899	30.2	29.8	28.35643	28.8	28	34.51173	34.635	34.41333	1.70256	2.2	1.3	16.78486	0.01182	16.77333	220424902	4010210	85
08/23/2017 12:26:24	16.67697	16.70326	16.65257	731.63855	731.69995	731.59997	30.22818	30.4	30.1	28.92955	29.4	28.3	34.50825	34.6627	34.41333	1.29863	1.9	0.8	16.86806	0.01839	16.85666	220424902	4010210	85
08/23/2017 12:31:24	16.67443	16.69862	16.64877	731.60601	731.69995	731.59997	30.42818	30.5	30.3	29.15308	29.5	28.6	34.51142	34.60729	34.41333	1.2751	1.9	0.8	16.95127	0.03848	16.94	220424902	4010210	85
08/23/2017 12:36:24	16.67349	16.70326	16.63798	731.59997	731.59997	731.59997	30.65371	30.8	30.4	29.43692	29.8	28.9	34.55551	34.71812	34.44104	1.21678	1.9	0.9	17.03448	0.03862	17.02333	220424902	4010210	85
08/23/2017 12:41:24	16.67529	16.70004	16.6549	731.59997	731.59997	731.59997	30.84023	31	30.7	29.4597	30	29.1	34.61761	34.69042	34.55188	1.38053	1.6	0.8	17.11769	0.05877	17.10666	220424902	4010210	85
08/23/2017 12:46:24	16.67496	16.70212	16.64778	731.57849	731.59997	731.5	31.24967	31.5	31.1	31.03354	31.6	30.5	34.59075	34.6627	34.41333	0.2698	0.6	0	17.20089	0.0304	17.19027	220424902	4010210	85
08/23/2017 12:51:24	16.67496	16.70212	16.64778	731.57849	731.59997	731.5	31.24967	31.5	31.1	31.03354	31.6	30.5	34.59075	34.6627	34.41333	0.2698	0.6	0	17.28411	0	17.27333	220424902	4010210	85
08/23/2017 12:56:24	16.67603	16.70026	16.65637	731.52551	731.59997	731.5	31.87378	32	31.6	31.34037	31.8	30.9	34.68556	34.80124	34.52417	0.55891	1.09999	0	17.36732	0.02	17.35694	220424902	4010210	85
08/23/2017 13:01:24	16.67607	16.71081	16.6445	731.53094	731.59997	731.5	32.10172	32.3	32	31.19844	31.6	30.7	34.68556	34.80124	34.52417	0.55891	1.39999	0.49999	17.45053	0.088	17.44027	220424902	4010210	85
08/23/2017 13:06:24	16.67518	16.7025	16.65605	731.55029	731.59997	731.5	32.34299	32.5	32.2	31.71757	32.2	31.2	34.73065	34.82895	34.60729	0.62542	1.1	0.1	17.53375	0.01894	17.52361	220424902	4010210	85
08/23/2017 13:11:24	16.67518	16.7025	16.65605	731.55029	731.59997	731.5	32.34299	32.5	32.2	31.71757	32.2	31.2	34.73065	34.82895	34.60729	0.62542	1.1	0.1	17.61696	0.0389	17.60666	220424902	4010210	85
08/23/2017 13:16:24	16.67537	16.70945	16.64905	731.55151	731.59997	731.5	32.76336	32.9	32.7	32.07539	32.4	31.8	34.70552	34.80124	34.57958	0.68797	1	0.4	17.70018	0.03893	17.69027	220424902	4010210	85
08/23/2017 13:21:24	16.67537	16.70945	16.64905	731.55151	731.59997	731.5	32.76336	32.9	32.7	32.07539	32.4	31.8	34.70552	34.80124	34.57958	0.68797	1.99999	0.7	17.7834	0.00108	17.77361	220424902	4010210	85
08/23/2017 13:26:24	16.67559	16.70089	16.64048	731.5	731.5	731.5	33.04078	33.2	32.8	31.64662	32.2	31.1	34.79198	34.93978	34.6627	1.39415	1.99999	0.7	17.86663	0.05884	17.85666	220424902	4010210	85
08/23/2017 13:31:24	16.67545	16.70731	16.64634	731.5	731.5	731.5	33.45026	33.7	33.3	32.62313	33.09999	32.09999	34.72536	34.88437	34.60729	0.82713	1.3	0.4	17.94984	0.03725	17.94027	220424902	4010210	85
08/23/2017 13:36:24	16.67545	16.70731	16.64634	731.5	731.5	731.5	33.45026	33.7	33.3	32.62313	33.09999	32.09999	34.72536	34.88437	34.60729	0.82713	1.3	0.4	18.03305	0.01906	18.02333	220424902	4010210	85
08/23/2017 13:41:24	16.67478	16.71895	16.63634	731.51251	731.59997	731.5	33.96095	34.09999	33.7	33.01487	33.5	32.8	34.68451	34.77354	34.60729	0.94608	1.29999	0.4	18.11626	0.05888	18.10694	220424902	4010210	85
08/23/2017 13:46:24	16.67655	16.69962	16.65542	731.59997	731.59997	731.59997	34.19602	34.3	34	32.92057	33.4	32.5	34.74724	34.82895	34.635	1.27545	1.8	0.69999	18.19946	0.07802	18.19027	220424902	4010210	85
08/23/2017 13:51:24	16.67655	16.69962	16.65542	731.59997	731.59997	731.59997	34.19602	34.3	34	32.92057	33.4	32.5	34.74724	34.82895	34.635	1.27545	1.59999	0.69999	18.28267	0.09862	18.27333	220424902	4010210	85
08/23/2017 13:56:24	16.67615	16.70566	16.65609	731.59893	731.59997	731.5	34.41524	34.59999	34.3	33.28618	33.9	32.8	34.77709	34.85665	34.60729	1.12906	1.59999	0.69999	18.36588	0.03907	18.35666	220424902	4010210	85
08/23/2017 14:01:24	16.67665	16.70566	16.65609	731.59796	731.59997	731.5	34.86713	35.09999	34.7	33.41888	33.9	33.09999	34.84838	34.9952	34.74583	1.44825	2	0.8	18.44908	0.05962	18.44027	220424902	4010210	85
08/23/2017 14:06:24	16.67665	16.70566	16.65609	731.59796	731.59997	731.5	34.86713	35.09999	34.7	33.41888	33.9	33.09999	34.84838	34.9952	34.74583	1.44825	2	0.8	18.53229	0.02077	18.52333	220424902	4010210	85
08/23/2017 14:11:24	16.67584	16.70731	16.65628	731.57837	731.59997	731.5	35.06299	35.09999	35	33.25359	33.7	32.5	35.03468	35.16145	34.93978	1.80939	2.3	1.3	18.61549	0.01985	18.60694	220424902	4010210	85
08/23/2017 14:16:24	16.6746	16.69217	16.64747	731.50103	731.59997	731.5	35.45998	35.59999	35.2	33.7162	34.5	33.09999	35.2536	35.43853	35.10603	1.74378	2.5	1	18.6987	0.00057	18.69027	220424902	4010210	85
08/23/2017 14:21:24	16.67462	16.69217	16.65368	731.5	731.5	731.5	35.58024	35.7	35.5	33.72972	34.09999	33.4	35.43668	35.60478	35.27228	1.85052	2.2	1.5	18.7819	0.01984	18.77361	220424902	4010210	85
08/23/2017 14:26:24	16.67462	16.69217	16.65368	731.5	731.5	731.5	35.58024	35.7	35.5	33.72972	34.09999	33.4	35.43668	35.60478	35.27228	1.85052	2.2	1.5	18.8651	0.01933	18.85666	220424902	4010210	85
08/23/2017 14:31:24	16.67285	16.69217	16.64798	731.50201	731.59997	731.5	35.70143	35.8	35.59999	33.99801	34.3	33.7	35.56134	35.66019	35.43853	1.70341	2	1.39999	18.9483	0.01985	18.94	220424902	4010210	85
08/23/2017 14:36:24	16.67379	16.69759	16.65339	731.5	731.5	731.5	35.79999	35.9	35.7	33.94826	34.2	33.5	35.66477	35.79873	35.57707	1.85173	2.3	1.6	19.03151	0	19.02333	220424902	4010210	85
08/23/2017 14:41:24	16.67405	16.69435	16.64798	731.44506	731.5	731.39996	36.11825	36.2	36.09999	33.61637	34	33	36.0788	36.15894	35.93727	2.50188	3.09999	2.09999	19.11471	0.05956	19.10694	220424902	4010210	85
08/23/2017 14:46:24	16.67405	16.69435	16.64798	731.44506	731.5	731.39996	36.11825	36.2	36.09999	33.61637	34	33	36.0788	36.15894	35.93727	2.50188	3.09999	2.09999	19.19792	0.0512	19.19	220424902	4010210	85
08/23/2017 14:51:24	16.67368	16.69419	16.63867	731.41003	731.5	731.39996	36.15822	36.2	36.09999	33.17337	33.7	32.8	35.99567	36.13123	35.71561	2.98484	3.4	2.5	19.28113	0.03905	19.27361	220424902	4010210	85
08/23/2017 14:56:24	16.67368	16.69419	16.63867	731.41003	731.5	731.39996	36.15822	36.2	36.09999	33.17337	33.7	32.8	35.99567	36.13123	35.71561	2.98484	3.4	2.5	19.36433	0.0192	19.35666	220424902	4010210	85
08/23/2017 15:01:24	16.67402	16.69451	16.65031	731.39996	731.39996	731.39996	36.12017	36.2	36.09999	33.71091	34.2	33.09999	35.63473	35.74331	35.52166	2.40925	3.1	1.89999	19.44754	0.01986	19.44027	220424902	4010210	85
08/23/2017 15:06:24	16.67402	16.69451	16.65031	731.39996	731.39996	731.39996	36.12017	36.2	36.09999	33.71091	34.2	33.09999	35.63473	35.74331	35.52166	2.40925	3.1	1.89999	19.53074	0.03912	19.52333	220424902	4010210	85
08/23/2017 15:11:24	16.67463	16.69435	16.6392	731.39996	731.39996	731.39996	36.13703	36.2	36.09999	33.87625	34.2	33.5	35.65137	35.77102	35.57707	2.26078	2.7	1.89999	19.61394	0.0585	19.60666	220424902	4010210	85
08/23/2017 15:16:24	16.67414	16.69669	16.65555	731.37835	731.39996	731.29998	36.24516	36.3	36.2	33.87901	34.2	33.4	36.0429	36.13123	35.82644	2.36615	2.8	2.1	19.69715	0.00048	19.69027	220424902	4010210	85
08/23/2017 15:21:24	16.67451	16.69095	16.65249	731.36053	731.39996	731.29998	36.27837	36.3	36.2	33.66539	34	33.4	36.0865	36.15894	35.96498	2.61297	2.9	2.2	19.78035	0.05832	19.77361	220424902	4010210	85
08/23/2017 15:26:24	16.67451	16.69095	16.65249	731.36053	731.39996	731.29998	36.27837	36.3	36.2	33.66539	34	33.4	36.0865	36.15894	35.96498	2.61297	2.9	2.2	19.86355	0.07048	19.85666	220424902	4010210	85
08/23/2017 15:31:24	16.6753	16.69653	16.65249	731.30902	731.39996	731.29998	36.29666	36.4	36.2	33.71437	34	33.5	36.10372	36.21435	36.0481	2.58228	2.8	2.3	19.94676	0	19.94027	220424902	4010210	85
08/23/2017 15:36:24	16.6753	16.69653	16.65249	731.30902	731.39996	731.29998	36.29666	36.4	36.2	33.71437	34	33.5	36.10372	36.21435	36.0481	2.58228	2.8	2.3	20.02996	0	20.02333	220424902	4010210	85
08/23/2017 15:41:24	16.6749	16.69669	16.64709	731.28643	731.29998	731.19995	36.32163	36.4	36.3	33.71732	34	33.3	36.11037	36.21435	36.0204	2.60431	3	2.3	20.11316	0.05844	20.10666	220424902	4010210	85
08/23/2017 15:46:24	16.67579	16.69886	16.65805	731.22082	731.29998	731.19995	36.3529	36.4	36.3	33.81436	34.2	33.5	36.17904	36.32519	36.07582	2.53854	2.9	2.2	20.19637	0.03915	20.19	220424902	4010210	85
08/23/2017 15:51:24	16.6754	16.69946	16.64981	731.203	731.29998	731.19995	36.3649	36.4	36.3	34.049	34.5	33.59999	36.16423	36.29747	36.0481	2.3159	2.8	1.8	20.27958	0.09819	20.27333	220424902	4010210	85
08/23/2017 15:56:24	16.67515	16.69377	16.65525	731.1969	731.19995	731.09997	36.44417	36.5	36.3	34.31287	34.59999	34.09999	36.30113	36.43602	36.21435	2.1313	2.4	1.8	20.36278	0.01981	20.35694	220424902	4010210	85
08/23/2017 16:01:24	16.67515	16.69377	16.65525	731.1969	731.19995	731.09997	36.44417	36.5	36.3	34.31287	34.59999	34.09999	36.30113	36.43602	36.21435	2.1313	2.4	1.8	20.44598	0.00055	20.44	220424902	4010210	85
08/23/2017 16:06:24	16.67583	16.70137	16.65731	731.1242	731.19995	731.09997	36.52689	36.7	36.4	33.69589	34.2	33.4	36.42597	36.54685	36.26977	2.831	3.3	2.2	20.52919	0	20.52361	220424902	4010210	85
08/23/2017 16:11:24	16.67583	16.70137	16.65731	731.1242	731.19995	731.09997	36.52689	36.7	36.4	33.69589	34.2	33.4	36.42597	36.54685	36.26977	2.831	3.3	2.2	20.61239	0.0397	20.60666	220424902	4010210	85
08/23/2017 16:16:24	16.67676	16.69054	16.65716	731.09997	731.09997	731.09997	36.47609	36.7	36.4	33.73695	34.09999	33.4	36.33509	36.46373	36.24206	2.73913	3.09999	2.3	20.6956	0.00061	20.69027	220424902	4010210	85
08/23/2017 16:21:24	16.67676	16.69054	16.65716	731.09997	731.09997	731.09997	36.47609	36.7	36.4	33.73695	34.09999	33.4	36.33509	36.46373	36.24206	2.73913	3.09999	2.3	20.77881	0.04991	20.77333	220424902	4010210	85
08/23/2017 16:26:24	16.67667	16.71156	16.65447	731.104	731.19995	731	36.47025	36.7	36.4	33.5466	34	33	36.35611	36.49143	36.15894	2.92365	3.5	2.5	20.86202	0.0108	20.85666	220424902	4010210	85
08/23/2017 16:31:24	16.6736	16.69544	16.65103	731.1383	731.19995	731.09997	36.32638	36.5	36.09999	32.90537	33.4	32.8	36.1967	36.3806	35.93727	3.42101	3.69999	3	20.94522	0.01909	20.94	220424902	4010210	85
08/23/2017 16:36:24	16.67493	16.70014	16.65616	731.06622	731.09997	731	35.65479	35.7	35.5	32.63387	32.9	32.2	35.07876	35.24457	34.91207	3.02092	3.5	2.59999	21.02843	0.00081	21.02361	220424902	4010210	85
08/23/2017 16:41:24	16.67493	16.70014	16.65616	731.06622	731.09997	731	35.65479	35.7	35.5	32.63387	32.9	32.2	35.07876	35.24457	34.91207	3.02092	3.29999	2.4	21.11164	0.03902	21.10666	220424902	4010210	85
08/23/2017 16:46:24	16.67419	16.70248	16.64708	730.99395	731.09997	730.89996	35.41061	35.5	35.2	32.43299	32.9	31.8	34.92192	35.05062	34.82895	2.97761	3.69999	2.4	21.19485	0.05245	21.19027	220424902	4010210	85
08/23/2017 16:51:24	16.67573	16.69896	16.65214	730.9541	731.09997	730.89996	35.19963	35.5	35.09999	32.17092	32.5	31.8	34.90333	35.10603	34.635	3.02871	3.69999	2.59999	21.27805	0.07792	21.27361	220424902	4010210	85
08/23/2017 16:56:24	16.67573	16.69896	16.65214	730.9541	731.09997	730.89996	35.19963	35.5	35.09999	32.17092	32.5	31.8	34.90333	35.10603	34.635	3.02871	3.69999	2.59999	21.36126	0.01897	21.35666	220424902	4010210	85
08/23/2017 17:01:24	16.67393	16.70044	16.64915	730.80365	730.89996	730.69995	34.95848	35.09999	34.7	32.0484	32.3	31.6	34.69301	34.80124	34.60729	2.91008	3.1	2.69999	21.44446	0.11772	21.44027	220424902	4010210	85
08/23/2017 17:06:24	16.67444	16.70012	16.63769	730.85803	731	730.5	34.73544	35	34.59999	31.5792	31.8	31.2	34.80124	34.88437	34.69042	3.15623	3.5	2.9	21.52767	0.06096	21.52361	220424902	4010210	85
08/23/2017 17:11:24	16.67452	16.71103	16.65885	730.71295	730.89996	730.59997	34.5129	34.59999	34.4	31.5859	31.9	31.1	34.73253	34.85665	34.635	2.927	3.49999	2.69999	21.61088	0.05052	21.60694	220424902	4010210	85
08/23/2017 17:16:24	16.67411	16.69187	16.64235	730.71356	730.89996	730.5	34.28752	34.5	34.09999	31.33354	31.8	31.1	34.70908	34.80124	34.635	2.95398	3.2	2.59999	21.69408	0.03882	21.69027	220424902	4010210	85
08/23/2017 17:21:24	16.67411	16.69187	16.64235	730.71356	730.89996	730.5	34.28752	34.5	34.09999	31.33354	31.8	31.1	34.70908	34.80124	34.635	2.95398	3.4	2.49999	21.77729	0.00953	21.77361	220424902	4010210	85
08/23/2017 17:26:24	16.6753	16.69063	16.65201	730.51422	730.59997	730.39996	34.10381	34.3	34	31.22435	31.6	30.9	34.71735	34.82895	34.6627	2.87945	3.4	2.49999	21.86049	0.03882	21.85666	220424902	4010210	85
08/23/2017 17:31:24	16.67505	16.70153	16.64968	730.47882	730.59997	730.39996	33.9566	34	33.8	31.22956	31.5	31	34.7562	34.88437	34.6627	2.72704	2.9	2.4	21.9437	0.03885	21.94	220424902	4010210	85
08/23/2017 17:36:23	16.67465	16.69297	16.64874	730.4107	730.59997	730.29998	33.80181	34	33.7	31.14757	31.5	30.9	34.71712	34.85665	34.635	2.65424	2.9	2.3	22.0269	0.02836	22.02333	220424902	4010210	85

08/23/2017 17:41:24	16.6736	16.69464	16.65402	730.3869	730.5	730.29998	33.69666	33.8	33.5	31.04421	31.2	30.7	34.74991	34.88437	34.60729	2.65244	3.1	2.5	22.1101	0.03032	22.10666	220424902	4010210	85
08/23/2017 17:46:23	16.673	16.69378	16.63685	730.44738	730.79998	730.29998	33.51729	33.7	33.4	30.58402	31.2	29.8	34.79681	34.9952	34.6627	2.93326	3.6	2.3	22.19331	0.0284	22.19	220424902	4010210	85
08/23/2017 17:51:24	16.67389	16.70261	16.66015	730.4671	730.69995	730.19995	33.22067	33.4	33.09999	30.11677	30.5	29.8	34.87102	35.02291	34.69042	3.1039	3.6	2.59999	22.27651	0	22.27333	220424902	4010210	85
08/23/2017 17:56:23	16.67293	16.68942	16.6489	730.32415	730.59997	730.19995	32.90223	33.09999	32.7	29.96424	30.3	29.9	34.81013	34.88437	34.69042	2.93799	3.19999	2.6	22.35972	0.03865	22.35666	220424902	4010210	85
08/23/2017 18:01:24	16.6746	16.69464	16.65411	730.21978	730.29998	730.19995	32.71186	32.8	32.59999	29.84333	30.1	29.7	34.8027	34.85665	34.71812	2.86853	3.1	2.6	22.44292	0	22.44027	220424902	4010210	85
08/23/2017 18:06:23	16.67243	16.69419	16.65092	730.29168	730.5	730.09997	32.48111	32.7	32.3	29.51311	29.9	29.2	34.83537	34.96749	34.74583	2.968	3.3	2.5	22.52612	0	22.52333	220424902	4010210	85
08/23/2017 18:11:24	16.6754	16.70126	16.66078	730.151	730.19995	730.09997	32.16249	32.3	32.09999	29.35758	29.8	29.1	34.81479	34.85665	34.74583	2.80491	3	2.4	22.60933	0	22.60666	220424902	4010210	85
08/23/2017 18:16:24	16.67383	16.68995	16.65136	730.08184	730.09997	730	31.57933	31.7	31.5	28.95241	29.2	28.8	34.79457	34.91207	34.6627	2.62691	2.9	2.3	22.69254	0.03857	22.69027	220424902	4010210	85
08/23/2017 18:21:24	16.67383	16.68995	16.65136	730.08184	730.09997	730	31.57933	31.7	31.5	28.95241	29.2	28.8	34.79457	34.91207	34.6627	2.62691	2.9	2.3	22.77574	0.03852	22.77333	220424902	4010210	85
08/23/2017 18:26:24	16.67364	16.69078	16.65219	730.06921	730.09997	730	31.1332	31.4	31	28.48361	28.7	28.1	34.80984	34.93978	34.69042	2.64959	3	2.4	22.85894	0.02019	22.85694	220424902	4010210	85
08/23/2017 18:31:23	16.67364	16.69078	16.65219	730.06921	730.09997	730	31.1332	31.4	31	28.48361	28.7	28.1	34.80984	34.93978	34.69042	2.64959	3	2.4	22.94214	0.01822	22.94	220424902	4010210	85
08/23/2017 18:36:24	16.67508	16.69248	16.65778	730.03729	730.29998	730	30.9139	31.1	30.8	28.02296	28.1	27.9	34.80982	34.93978	34.74583	2.89093	3.2	2.8	23.02535	0.01813	23.02361	220424902	4010210	85
08/23/2017 18:41:24	16.67418	16.69541	16.65743	729.96411	730	729.89996	30.23067	30.4	30.1	27.45891	27.6	27.3	34.7906	34.91207	34.69042	2.77175	3.09999	2.5	23.10855	0.02647	23.10694	220424902	4010210	85
08/23/2017 18:46:23	16.67418	16.69541	16.65743	729.96411	730	729.89996	30.23067	30.4	30.1	27.45891	27.6	27.3	34.7906	34.91207	34.69042	2.77175	3.09999	2.5	23.19175	0.02999	23.19	220424902	4010210	85
08/23/2017 18:51:24	16.67249	16.69352	16.65894	729.94934	730	729.89996	29.90898	30.2	29.7	27.03815	27.4	26.8	34.74659	34.85665	34.60729	2.87082	3.3	2.6	23.27496	0.0382	23.27361	220424902	4010210	85
08/23/2017 18:56:24	16.67235	16.68782	16.64693	729.95037	730.19995	729.89996	29.53581	29.8	29.3	26.52815	27.1	26.2	34.73077	34.88437	34.60729	3.00766	3.2	2.6	23.35816	0	23.35666	220424902	4010210	85
08/23/2017 19:01:24	16.67421	16.69434	16.63747	729.88195	730	729.79998	28.49712	28.7	28.3	25.56147	25.7	25.5	34.602	34.77354	34.44104	2.93564	3.1	2.8	23.44136	0.03814	23.44027	220424902	4010210	85
08/23/2017 19:06:24	16.67421	16.69434	16.63747	729.88195	730	729.79998	28.49712	28.7	28.3	25.56147	25.7	25.5	34.602	34.77354	34.44104	2.93564	2.9	2.3	23.52458	0.07621	23.52361	220424902	4010210	85
08/23/2017 19:11:24	16.67365	16.71236	16.64173	729.80304	729.89996	729.79998	27.64781	28	27.4	25.1189	25.5	24.9	34.4278	34.55188	34.3025	2.5289	2.7	2.3	23.60781	0	23.60694	220424902	4010210	85
08/23/2017 19:16:24	16.67365	16.71236	16.64173	729.80304	729.89996	729.79998	27.64781	28	27.4	25.1189	25.5	24.9	34.4278	34.55188	34.3025	2.5289	2.7	2.2	23.69102	0.03802	23.69027	220424902	4010210	85
08/23/2017 19:21:24	16.6728	16.70344	16.64517	729.80304	729.89996	729.79998	27.15875	27.4	26.8	24.66013	24.9	24.6	34.41029	34.52417	34.33021	2.49863	2.4	2.1	23.77424	0.01753	23.77361	220424902	4010210	85
08/23/2017 19:26:23	16.67398	16.70836	16.64931	729.79998	729.79998	729.79998	26.67433	26.9	26.5	24.46089	24.6	24.3	34.35931	34.52417	34.27479	2.21344	2.4	2.1	23.85745	0.00834	23.85666	220424902	4010210	85
08/23/2017 19:31:24	16.67483	16.7009	16.66322	729.80603	729.89996	729.79998	26.19485	26.5	25.9	23.98972	24.3	23.8	34.31663	34.38562	34.21937	2.20513	2.2	1.7	23.94065	0.01535	23.94	220424902	4010210	85
08/23/2017 19:36:23	16.6745	16.70002	16.64853	729.87005	729.89996	729.79998	25.6721	26	25.5	23.6694	23.8	23.4	34.2323	34.35791	34.10855	2.00269	2.2	1.7	24.00116	0	24	220424902	4010210	85
08/24/2017 08:19:09	6.12809	16.69662	0	728.28271	729.89996	727.39996	14.64173	24.8	14.1	18.09018	22.8	17.8	23.41741	35.05062	0	3.5914	3.9	2	0.03447	0.03722	0.03583	220424963	4010310	85
08/24/2017 08:24:09	6.12809	16.69662	0	728.28271	729.89996	727.39996	14.64173	24.8	14.1	18.09018	22.8	17.8	23.41741	35.05062	0	3.5914	3.8	3.3	0.11787	0.03726	0.11916	220424963	4010310	85
08/24/2017 08:29:09	16.68109	16.71178	16.65823	728.26806	728.39996	728.09997	14.51142	14.6	14.2	18.01677	18.1	17.9	35.26464	35.52166	34.9952	3.50534	3.8	3.3	0.20125	0.02093	0.20222	220424963	4010310	85
08/24/2017 08:34:09	16.67788	16.69167	16.65802	728.64697	728.69995	728.5	14.75973	14.9	14.6	17.74696	18	17.7	35.7015	35.90956	35.57707	2.98722	3.4	2.8	0.28464	0.03721	0.28583	220424963	4010310	85
08/24/2017 08:39:09	16.67788	16.69167	16.65802	728.64697	728.69995	728.5	14.75973	14.9	14.6	17.74696	18	17.7	35.7015	35.90956	35.57707	2.98722	3.4	2.8	0.36802	0.08284	0.36888	220424963	4010310	85
08/24/2017 08:44:09	16.67533	16.69663	16.65814	728.89697	729	728.79998	15.00066	15.2	14.8	18.01952	18.3	17.9	35.90056	36.0481	35.77102	3.01886	3.5	2.8	0.4514	0.02547	0.4525	220424963	4010310	85
08/24/2017 08:49:09	16.67533	16.69663	16.65814	728.89697	729	728.79998	15.00066	15.2	14.8	18.01952	18.3	17.9	35.90056	36.0481	35.77102	3.01886	3.5	2.8	0.53477	0.03725	0.53555	220424963	4010310	85
08/24/2017 08:54:09	16.67547	16.69546	16.6478	729.22107	729.29998	729.09997	15.2067	15.4	15.1	18.35701	18.5	18.1	36.02467	36.13123	35.88186	3.1503	3.3	2.9	0.61815	0.05364	0.61916	220424963	4010310	85
08/24/2017 08:59:09	16.67547	16.69546	16.6478	729.22107	729.29998	729.09997	15.2067	15.4	15.1	18.35701	18.5	18.1	36.02467	36.13123	35.88186	3.1503	3.3	2.9	0.70152	0.02483	0.70222	220424963	4010310	85
08/24/2017 09:04:09	16.67555	16.68869	16.65494	729.32879	729.5	729.19995	15.40072	15.5	15.3	18.69527	19	18.3	36.03033	36.13123	35.96498	3.29455	3.49999	2.9	0.7849	0.01649	0.78555	220424963	4010310	85
08/24/2017 09:09:09	16.67474	16.6979	16.65372	729.45971	729.59997	729.29998	15.58393	15.8	15.5	18.77921	19	18.5	36.06383	36.24206	35.96498	3.19528	3.49999	2.9	0.86827	0.03739	0.86888	220424963	4010310	85
08/24/2017 09:14:09	16.67724	16.69933	16.65501	729.5747	729.69995	729.5	16.37617	16.6	16.1	19.55966	19.9	19.3	36.16817	36.32519	36.07582	3.18349	3.5	2.9	0.95166	0.03745	0.9525	220424963	4010310	85
08/24/2017 09:19:09	16.67724	16.69933	16.65501	729.5747	729.69995	729.5	16.37617	16.6	16.1	19.55966	19.9	19.3	36.16817	36.32519	36.07582	3.18349	3.5	2.9	1.03504	0.03749	1.03555	220424963	4010310	85
08/24/2017 09:24:09	16.67488	16.69345	16.65843	729.67169	729.79998	729.59997	17.36268	17.6	17.1	20.46729	20.8	20.3	36.24821	36.35289	36.13123	3.10461	3.6	2.7	1.11842	0.04984	1.11916	220424963	4010310	85
08/24/2017 09:29:09	16.67488	16.69345	16.65843	729.67169	729.79998	729.59997	17.36268	17.6	17.1	20.46729	20.8	20.3	36.24821	36.35289	36.13123	3.10461	3.6	2.7	1.20179	0.07504	1.20222	220424963	4010310	85
08/24/2017 09:34:09	16.67382	16.70026	16.66044	729.79791	729.89996	729.69995	18.12237	18.4	17.9	21.08523	21.3	20.9	36.26921	36.35289	36.18664	2.96286	3.2	2.5	1.28516	0.00376	1.28583	220424963	4010310	85
08/24/2017 09:39:09	16.67462	16.69314	16.66044	729.84948	729.89996	729.79998	18.47419	18.8	18.3	21.26632	21.4	21.1	36.29358	36.43602	36.15894	2.79214	3	2.4	1.36853	0.07894	1.36916	220424963	4010310	85
08/24/2017 09:44:09	16.67462	16.69314	16.66044	729.84948	729.89996	729.79998	18.47419	18.8	18.3	21.26632	21.4	21.1	36.29358	36.43602	36.15894	2.79214	3	2.4	1.45191	0	1.45222	220424963	4010310	85
08/24/2017 09:49:09	16.67462	16.69839	16.65309	729.98584	730.09997	729.89996	19.22897	19.5	19	22.07703	22.5	21.6	36.34535	36.49143	36.18664	2.84806	3.4	2.19999	1.53528	0.03767	1.53583	220424963	4010310	85
08/24/2017 09:54:09	16.67462	16.69839	16.65309	729.98584	730.09997	729.89996	19.22897	19.5	19	22.07703	22.5	21.6	36.34535	36.49143	36.18664	2.84806	3.4	2.19999	1.61866	0.03771	1.61888	220424963	4010310	85
08/24/2017 09:59:09	16.67559	16.69504	16.65952	730.10003	730.19995	730	20.01792	20.2	19.9	22.10559	22.3	21.9	36.36575	36.46373	36.29747	2.08767	2.3	1.7	1.70204	0.04606	1.7025	220424963	4010310	85
08/24/2017 10:04:09	16.67559	16.69504	16.65952	730.10003	730.19995	730	20.01792	20.2	19.9	22.10559	22.3	21.9	36.36575	36.46373	36.29747	2.08767	2.3	1.7	1.78541	0.02059	1.78555	220424963	4010310	85
08/24/2017 10:09:09	16.67648	16.70049	16.661	730.1939	730.19995	730.09997	20.36512	20.6	20.1	22.25046	22.7	21.7	36.4411	36.57456	36.26977	1.88534	2.19999	1.49999	1.86879	0.03773	1.86888	220424963	4010310	85
08/24/2017 10:14:09	16.67747	16.69621	16.6577	730.29998	730.29998	730.29998	20.97752	21.2	20.8	22.9717	23.2	22.7	36.61407	36.76851	36.46373	1.99418	2.4	1.5	1.95218	0.03779	1.9525	220424963	4010310	85
08/24/2017 10:19:09	16.67747	16.69621	16.6577	730.29998	730.29998	730.29998	20.97752	21.2	20.8	22.9717	23.2	22.7	36.61407	36.76851	36.46373	1.99418	2.4	1.5	2.03556	0.03779	2.03555	220424963	4010310	85
08/24/2017 10:24:09	16.67605	16.70448	16.65629	730.3656	730.39996	730.29998	21.27412	21.4	21.2	23.14791	23.3	22.7	36.71135	36.85163	36.60227	1.87378	2.1	1.5	2.11894	0.01726	2.11888	220424963	4010310	85
08/24/2017 10:29:09	16.67561	16.69387	16.65537	730.39996	730.39996	730.39996	21.54828	21.8	21.4	23.22034	23.4	22.9	36.8195	36.96247	36.7131	1.67206	2	1.2	2.20232	0.02953	2.20222	220424963	4010310	85
08/24/2017 10:34:09	16.67693	16.69913	16.65575	730.45459	730.5	730.39996	21.88764	22	21.7	23.45744	23.8	23.2	36.91654	36.99018	36.76851	1.5698	1.8	1.4	2.28569	0	2.28555	220424963	4010310	85
08/24/2017 10:39:09	16.6757	16.69426	16.65575	730.49798	730.5	730.39996	22.06412	22.3	22	23.74257	24	23.4	36.95996	37.04559	36.85163	1.67844	1.99999	1.1	2.36906	0.02054	2.36888	220424963	4010310	85
08/24/2017 10:44:09	16.67541	16.69822	16.65575	730.5	730.5	730.5	22.37739	22.5	22.1	23.53798	23.8	23.3	37.01871	37.15643	36.93476	1.16058	1.6	0.9	2.45244	0.09298	2.45222	220424963	4010310	85
08/24/2017 10:49:09	16.67607	16.69913	16.64425	730.4909	730.5	730.39996	22.53809	22.7	22.4	23.66479	24	23.3	37.09155	37.23955	36.99018	1.1267	1.3	0.4	2.53581	0.03788	2.53583	220424963	4010310	85
08/24/2017 10:54:09	16.67628	16.71551	16.65663	730.48889	730.5	730.39996	22.73818	22.9	22.6	23.64037	24	23.2	37.19223	37.32267	37.04559	0.90219	1.3	0.4	2.61918	0.01753	2.61888	220424963	4010310	85
08/24/2017 10:59:09	16.67502	16.70176	16.64601	730.51007	730.59997	730.5	23.1943	23.5	23.1	24.18821	24.7	23.5	37.24656	37.4058	37.12871	0.99391	1.6	0.4	2.70256	0.05242	2.7025	220424963	4010310	85
08/24/2017 11:04:09	16.67502	16.70176	16.64601	730.51007	730.59997	730.5	23.1943	23.5	23.1	24.18821	24.7	23.5	37.24656	37.4058	37.12871	0.99391	1.6	0.4	2.78594	0.05312	2.78555	220424963	4010310	85
08/24/2017 11:09:09	16.67577	16.69822	16.64513	730.52826	730.59997	730.5	23.40206	23.5	23.2	23.79542	24.4	23.3	37.3464	37.48892	37.18413	0.41353	0.99999	0	2.86932	0.03783	2.86916	220424963	4010310	85
08/24/2017 11:14:09	16.67604	16.70489	16.63939	730.50604	730.59997	730.39996	23.55047	23.7	23.5	23.77378	24.5	23.3	37.42715	37.54434	37.21184	0.33094	0.99999	0	2.9527	0.04622	2.95222	220424963	4010310	85
08/24/2017 11:19:09	16.67646	16.71153	16.65575	730.48993	730.59997	730.39996	23.63811	23.7	23.5	23.79344	24.1	23.4	37.4379	37.54434	37.29496	0.21587	0.4	0.1	3.03607	0.00604	3.03555	220424963	4010310	85
08/24/2017 11:24:09	16.67502	16.70002	16.63133	730.51525	730.59997	730.5	23.6798	23.7	23.6	24.08376	24.5	23.5	37.28545	37.43351	37.18413	0.43758	0.9	0.1	3.11945	0.08804	3.11916	220424963	4010310	85
08/24/2017 11:29:09	16.67502	16.70002	16.63133	730.51525	730.59997	730.5	23.6798	23.7	23.6	24.08376	24.5	23.5	37.28545	37.43351	37.18413	0.43758	0.9	0.1	3.20283	0.05844	3.20222	220424963	4010310	85
08/24/2017 11:34:09	16.67584	16.70193	16.63636	730.58386	730.59997	730.5	23.77418	23.9	23.7	24.62668	25.1	24.3	37.31507	37.43351	37.21184	0.85249	1.4	0.5	3.28622	0.02044	3.28583	220424963	4010310	85
08/24/2017 11:39:09	16.67679	16.70176	16.64209	730.56872	730.59997	730.5	23.84606	23.9	23.8	24.40587	24.9	24	37.33658	37.46122	37.21184	0.5598	1	0.09999	3.36961	0.00287	3.36916	220424963	4010310	85
08/24/2017 11:44:09	16.67679	16.70176	16.64209	730.56872	730.59997	730.5	23.84606	23.9	23.8	24.40587	24.9	24	37.33658	37.46122	37.21184	0.5598	1	0.4	3.45297	0.07598	3.4525	220424963	4010310	85
08/24/2017 11:49:09	16.67421	16.70193	16.65427	730.55157	730.59997	730.5	23.88083	23.9	23.8	24.54584	24.9	24.3	37.37008	37.46122	37.29496	0.66501	1	0.4	3.53636	0.06403	3.53555	220424963	4010310	85
08/24/2017 11:54:09	16.67679	16.69942	16.6486	730.55951	730.59997	730.5	23.93382	24.1	23.8	24.82889	25.2	24.3	37.36913	37.51663	37.26726	0.89506	1.19999	0.4	3.61973	0.0612	3.61888	220424963	4010310	85
08/24/2017 11:59:09	16.6752	16.69934	16.64675	730.52026	730.59997	730.5	24.11222	24.2	23.9	25.32081	25.6	24.9	37.39287	37.51663	37.26726	1.20858	1.69999	0.8	3.70311	0.01205	3.7025	220424963	4010310	85
08/24/2017 12:04:09	16.6752	16.69934	16.64675	730.52026	730.59997	730.5	24.11222	24.2	23.9	25.32081	25.6	24.9	37.39287	37.51663	37.26726	1.20858	1.69999	0.8	3.78648	0.07887	3.78555	220424963	4010310	85
08/24/2017 12:09:09	16.67498	16.70168	16.65465	730.505	730.59997	730.5	24.25054	24.4	24.2	25.70463	25.9	25.3	37.40303	37.51663	37.32267	1.45409	1.7	1.1	3.86985	0.0612	3.86888	220424963	4010310	85
08/24/2017 12:14:09	16.67501	16.70168	16.65056	730.47479	730.5	730.39996	24.33031	24.4	24.2	25.32782	25.9	25	37.50151	37.59976	37.37809	0.99751	1.6	0.59999	3.95323	0.03568	3.95222	220424963	4010310	85
08/24/2017 12:19:09	16.67578	16.7039	16.65128	730.44134	730.5	730.39996	24.42689	24.5	24.3	25.95436	26.5	25.3	37.47912	37.59976	37.35038	1.52747	2	0.9	4.03661	0.01776	4.03555	220424963	4010310	85
08/24/2017 12:24:09	16.67578	16.70053	16.65698	730.40399	730.5	730.39996	24.62237	24.8	24.4	25.99823	26.4	25.6	37.5279	37.71059	37.32267	1.37586	1.9	0.8	4.12	0.03817	4.11888	220424963	4010310	85
08/24/2017 12:29:09	16.67702	16.70124	16.65267	730.40197	730.5	730.39996	24.76065	24.8	24.7	26.02011	26.3	25.7	37.54267	37.65517	37.43351	1.25946	1.6	1	4.20339	0.0298	4.20222	220424963	4010310	85
08/24/2017 12:34:09	16.67688	16.70124	16.65698	730.39898	730.39996	730.29998	24.81022	24.9	24.8	26.09768	26.4	25.9	37.63534	37.73829	37.48892	1.28745	2	1	4.28677	0	4.28583	220424963	4010310	85
08/24/2017 12:39:09	16.67679	16.70833	16.63759	730.39984	730.39996	730.29998	24.94035	25	24.8	26.51275	26.9	25.9	37.60114	37.71059	37.46122	1.57239	2	1	4.37014	0.02032	4.36888	220424963	4010310	85
08/24/2017 12:44:09	16.67491	16.70263	16.64831	730.38989	730.39996	730.29998	24.99428	25.1	24.9	26.55019	26.8	26.2	37.61357	37.73829	37.48892	1.55591	1.8	1.19999	4.45351	0.02027	4.45222	220424963	4010310	85
08/24/2017 12:49:09	16.67558	16.70015	16.65193	730.31915	730.39996	730.29998	25.208	25.4	25	27.09657	27.6	26.8	37.65178	37.73829	37.54434	1.88857	2.3	1.5	4.5369	0.11501	4.53583	220424963	4010310	85
08/24/2017 12:54:09	16.67558	16.70015	16.65193	730.31915	730.39996	730.29998	25.208	25.4	25	27.09657	27.6	26.8	37.65178	37.73829	37.54434	1.88857	1.9	1.09999	4.62027	0	4.61888	220424963	4010310	85
08/24/2017 12:59:09	16.67638	16.68985	16.63551	730.30401	730.39996	730.29998	25.38655	25.4	25.1	26.92594	27.3	26.5	37.71141	37.79371	37.59976	1.53938	1.9	1.09999	4.70364	0.02028	4.70222	220424963	4010310	85
08/24/2017 13:04:09	16.67525	16.6968	16.65256	730.29998	730.29998	730.29998	25.48084	25.5	25.4	27.13897	27.6	26.8	37.70692	37.76599	37.59976	1.65813	2.09999	1.4	4.78702	0.03846	4.78555	220424963	4010310	85
08/24/2017 13:09:09	16.67478	16.698	16.65256	730.29998	730.29998	730.29998	25.55074	25.7	25.5	27.40059	28.2	27.1	37.76285	37.90454	37.59976	1.84985	2.69999	1.5	4.8704	0.04471	4.86888	220424963	4010310	85

08/24/2017 13:14:09	16.67579	16.70092	16.65032	730.25946	730.29998	730.09997	25.6832	25.7	25.6	28.08864	28.5	27.7	37.76462	37.90454	37.59976	2.40544	2.2	1.09999	4.95377	0.0405	4.9525	220424963	4010310	85
08/24/2017 13:19:09	16.67476	16.70087	16.64414	730.17474	730.29998	729.89996	25.89208	26	25.7	27.365	27.9	26.9	37.87771	38.01537	37.76599	1.47291	2.2	1.09999	5.03716	0.00189	5.03555	220424963	4010310	85
08/24/2017 13:24:09	16.67462	16.70159	16.64654	729.98565	730.09997	729.89996	26.18435	26.5	26.1	28.43447	29.2	27.9	37.88615	38.04308	37.79371	2.25012	3.1	1.59999	5.12053	0.00635	5.11916	220424963	4010310	85
08/24/2017 13:29:09	16.67462	16.70159	16.64654	729.98565	730.09997	729.89996	26.18435	26.5	26.1	28.43447	29.2	27.9	37.88615	38.04308	37.79371	2.25012	3.1	1.59999	5.20391	0.00187	5.20222	220424963	4010310	85
08/24/2017 13:34:09	16.6749	16.69977	16.6499	729.93121	730.09997	729.89996	26.41796	26.6	26.3	28.39607	28.9	28	37.91309	38.07079	37.79371	1.97811	2.6	1.49999	5.28728	0.08742	5.28555	220424963	4010310	85
08/24/2017 13:39:09	16.6761	16.70829	16.63956	730.04754	730.39996	729.89996	26.59444	26.7	26.5	29.33043	29.8	28.3	37.91446	38.07079	37.76599	2.73599	3.2	1.8	5.37065	0.00525	5.36888	220424963	4010310	85
08/24/2017 13:44:09	16.67415	16.70452	16.64334	730.04113	730.19995	729.89996	26.78438	26.9	26.7	29.67517	29.9	29.1	37.94382	38.07079	37.76599	2.89078	3.1	2.19999	5.45402	0	5.45222	220424963	4010310	85
08/24/2017 13:49:09	16.67585	16.70547	16.65357	730.02722	730.19995	729.89996	27.12238	27.2	26.9	29.84405	30.1	29.1	38.01308	38.0985	37.87683	2.72167	2.9	1.69999	5.5374	0.00521	5.53583	220424963	4010310	85
08/24/2017 13:54:08	16.67605	16.69975	16.65792	730.04535	730.19995	730	27.39878	27.7	27.2	30.0174	30.3	29.2	38.05668	38.18162	37.98767	2.61862	2.9	1.69999	5.62077	0.02686	5.61888	220424963	4010310	85
08/24/2017 13:59:09	16.67548	16.70738	16.64189	730.0766	730.19995	729.89996	27.71564	27.8	27.5	29.28774	29.8	28.8	38.16466	38.26474	37.98767	1.5721	2.1	1	5.70414	0.08577	5.70222	220424963	4010310	85
08/24/2017 14:04:09	16.67563	16.69133	16.65357	730.08166	730.29998	729.89996	28.04389	28.1	28	29.92673	30.1	29.8	38.15211	38.26474	37.98767	1.88285	2.09999	1.7	5.7875	0.02696	5.78583	220424963	4010310	85
08/24/2017 14:09:09	16.67563	16.69133	16.65357	730.08166	730.29998	729.89996	28.04389	28.1	28	29.92673	30.1	29.8	38.15211	38.26474	37.98767	1.88285	2.09999	1.7	5.87087	0.11617	5.86888	220424963	4010310	85
08/24/2017 14:14:09	16.67613	16.70329	16.65865	729.91125	730	729.89996	28.4506	28.5	28.4	30.10642	30.7	29.8	38.21849	38.29245	38.1262	1.65581	2.19999	1.3	5.95424	0.02005	5.9525	220424963	4010310	85
08/24/2017 14:19:09	16.67613	16.70329	16.65865	729.91125	730	729.89996	28.4506	28.5	28.4	30.10642	30.7	29.8	38.21849	38.29245	38.1262	1.65581	2.19999	1.3	6.0376	0.0387	6.03555	220424963	4010310	85
08/24/2017 14:24:09	16.67586	16.70687	16.64739	729.90802	730	729.79998	28.78123	29	28.7	30.01489	30.5	29.3	38.27776	38.40329	38.18162	1.23365	1.6	0.6	6.12098	0.00148	6.11916	220424963	4010310	85
08/24/2017 14:29:09	16.67561	16.7122	16.65378	729.92614	730	729.89996	29.02036	29.1	28.9	30.30569	31	29.7	38.25214	38.37558	38.1262	1.28532	1.99999	0.69999	6.20435	0.01868	6.2025	220424963	4010310	85
08/24/2017 14:34:09	16.67561	16.7122	16.65378	729.92614	730	729.89996	29.02036	29.1	28.9	30.30569	31	29.7	38.25214	38.37558	38.1262	1.28532	1.99999	0.69999	6.28771	0.02004	6.28555	220424963	4010310	85
08/24/2017 14:39:09	16.67292	16.69277	16.64852	729.89996	729.89996	729.89996	29.28757	29.3	29.2	30.72345	31.1	30.4	38.32103	38.431	38.20932	1.43588	1.8	1.1	6.37106	0	6.36916	220424963	4010310	85
08/24/2017 14:44:08	16.67292	16.69277	16.64852	729.89996	729.89996	729.89996	29.28757	29.3	29.2	30.72345	31.1	30.4	38.32103	38.431	38.20932	1.43588	1.8	1.1	6.45442	0.04158	6.45222	220424963	4010310	85
08/24/2017 14:49:09	16.67448	16.69475	16.64852	729.84936	729.89996	729.79998	29.64981	29.8	29.5	30.80206	31.2	30.3	38.38206	38.4587	38.29245	1.15225	1.5	0.6	6.53778	0.04004	6.53583	220424963	4010310	85
08/24/2017 14:54:09	16.67448	16.69475	16.64852	729.84936	729.89996	729.79998	29.64981	29.8	29.5	30.80206	31.2	30.3	38.38206	38.4587	38.29245	1.15225	1.5	0.6	6.62113	0.02002	6.61888	220424963	4010310	85
08/24/2017 14:59:08	16.67442	16.69437	16.65086	729.82519	729.89996	729.79998	29.75989	29.9	29.7	30.87889	31.3	30.4	38.40575	38.54183	38.26474	1.119	1.6	0.6	6.7045	0.02002	6.70222	220424963	4010310	85
08/24/2017 15:04:09	16.67481	16.69475	16.65715	729.81005	729.89996	729.79998	29.98445	30.1	29.8	30.99813	31.2	30.7	38.4166	38.59724	38.26474	1.01367	1.4	0.8	6.78787	0.00716	6.78583	220424963	4010310	85
08/24/2017 15:09:08	16.67589	16.69579	16.64096	729.80401	729.89996	729.79998	30.14388	30.2	30.1	31.25033	31.6	31	38.41418	38.51412	38.29245	1.10644	1.4	0.8	6.87123	0.02002	6.86888	220424963	4010310	85
08/24/2017 15:14:09	16.6742	16.68984	16.65121	729.802	729.89996	729.69995	30.39663	30.5	30.3	30.6139	31.1	29.9	38.50578	38.59724	38.37558	0.33143	0.7	0	6.95458	0	6.9525	220424963	4010310	85
08/24/2017 15:19:08	16.6742	16.68984	16.65121	729.802	729.89996	729.69995	30.39663	30.5	30.3	30.6139	31.1	29.9	38.50578	38.59724	38.37558	0.33143	0.7	0	7.03795	0.04175	7.03555	220424963	4010310	85
08/24/2017 15:24:09	16.67459	16.69357	16.64683	729.78967	729.79998	729.69995	30.41702	30.5	30.4	30.03062	30.7	29.4	38.53993	38.62495	38.431	0.43612	0.99999	0	7.12132	0	7.11888	220424963	4010310	85
08/24/2017 15:29:08	16.67487	16.69028	16.6489	729.77679	729.79998	729.69995	30.44268	30.7	30.4	30.21505	31	29.5	38.51253	38.62495	38.37558	0.39847	0.9	0	7.20468	0.02165	7.20222	220424963	4010310	85
08/24/2017 15:34:09	16.67555	16.70545	16.65124	729.70776	729.79998	729.59997	30.45405	30.7	30.4	29.80452	30.5	29.2	38.51651	38.62495	38.431	0.65628	1.3	0	7.28805	0.02006	7.28583	220424963	4010310	85
08/24/2017 15:39:08	16.67555	16.70545	16.65124	729.70776	729.79998	729.59997	30.45405	30.7	30.4	29.80452	30.5	29.2	38.51651	38.62495	38.431	0.65628	1.3	0	7.37141	0.03871	7.36888	220424963	4010310	85
08/24/2017 15:44:09	16.67523	16.70539	16.65591	729.57556	729.69995	729.39996	30.29897	30.4	30.2	29.67258	30	29.4	38.49418	38.62495	38.32016	0.62639	0.9	0.3	7.45478	0.01861	7.4525	220424963	4010310	85
08/24/2017 15:49:09	16.67523	16.70539	16.65591	729.57556	729.69995	729.39996	30.29897	30.4	30.2	29.67258	30	29.4	38.49418	38.62495	38.32016	0.62639	0.9	0.3	7.53816	0.03871	7.53555	220424963	4010310	85
08/24/2017 15:54:09	16.67481	16.69558	16.65094	729.32513	729.39996	729.19995	30.13257	30.2	30.1	30.10943	30.7	29.5	38.42325	38.51412	38.26474	0.34554	0.7	0	7.62152	0.08862	7.61916	220424963	4010310	85
08/24/2017 15:59:09	16.67481	16.69558	16.65094	729.32513	729.39996	729.19995	30.13257	30.2	30.1	30.10943	30.7	29.5	38.42325	38.51412	38.26474	0.34554	0.6	0	7.70488	0.0388	7.70222	220424963	4010310	85
08/24/2017 16:04:08	16.67524	16.69521	16.64766	729.26672	729.29998	729.19995	30.0899	30.1	29.8	30.12135	30.6	29.5	38.43114	38.56953	38.32016	0.2733	0.6	0	7.78825	0.05756	7.78555	220424963	4010310	85
08/24/2017 16:09:09	16.6762	16.69828	16.65468	729.22515	729.29998	729.09997	30.13384	30.2	30.1	30.77405	31.1	30.4	38.40316	38.54183	38.23704	0.64021	1	0.3	7.87164	0.0305	7.86916	220424963	4010310	85
08/24/2017 16:14:08	16.6762	16.69828	16.65468	729.22515	729.29998	729.09997	30.13384	30.2	30.1	30.77405	31.1	30.4	38.40316	38.54183	38.23704	0.64021	1	0.3	7.95502	0.07894	7.95222	220424963	4010310	85
08/24/2017 16:19:09	16.67565	16.70062	16.64474	729.07959	729.19995	729	30.23073	30.4	30.2	30.54794	31.1	29.8	38.50457	38.62495	38.40329	0.51505	0.9	0.2	8.03839	0	8.03583	220424963	4010310	85
08/24/2017 16:24:08	16.67565	16.70062	16.64474	729.07959	729.19995	729	30.23073	30.4	30.2	30.54794	31.1	29.8	38.50457	38.62495	38.40329	0.51505	0.9	0.2	8.12175	0.01857	8.11888	220424963	4010310	85
08/24/2017 16:29:09	16.67608	16.6954	16.65069	729.00604	729.09997	729	30.2057	30.3	30.1	29.47487	29.9	29.2	38.57474	38.62495	38.431	0.73083	1	0.3	8.20513	0.01862	8.2025	220424963	4010310	85
08/24/2017 16:34:08	16.67608	16.6954	16.65069	729.00604	729.09997	729	30.2057	30.3	30.1	29.47487	29.9	29.2	38.57474	38.62495	38.431	0.73083	1	0.3	8.28856	0.16321	8.28555	220424963	4010310	85
08/24/2017 16:39:08	16.67432	16.70626	16.65496	729.00103	729.09997	728.89996	30.15606	30.3	30.1	29.26192	29.8	28.7	38.55431	38.65265	38.40329	0.89414	1.5	0.3	8.37199	0.04186	8.36888	220424963	4010310	85
08/24/2017 16:44:08	16.67587	16.70105	16.65633	728.99896	729	728.89996	30.07932	30.1	29.9	29.70408	30	29.1	38.48235	38.62495	38.40329	0.37524	1	0.1	8.45542	0.05888	8.45222	220424963	4010310	85
08/24/2017 16:49:08	16.67671	16.70186	16.65676	729	729	729	29.92317	30.1	29.8	29.72622	30.3	29.2	38.43291	38.54183	38.29245	0.31267	0.9	0	8.53885	0.01866	8.53555	220424963	4010310	85
08/24/2017 16:54:08	16.67656	16.69098	16.65796	729	729	729	29.83018	30.1	29.7	30.04292	30.4	29.7	38.41802	38.51412	38.34787	0.23288	0.5	0	8.62227	0.04026	8.61888	220424963	4010310	85
08/24/2017 16:59:08	16.67467	16.69452	16.65676	728.9909	729	728.89996	29.7832	29.8	29.7	29.48759	30.3	28.3	38.50683	38.62495	38.37558	0.4366	1.5	0	8.7057	0.06051	8.7025	220424963	4010310	85
08/24/2017 17:04:08	16.67467	16.69452	16.65676	728.9909	729	728.89996	29.7832	29.8	29.7	29.48759	30.3	28.3	38.50683	38.62495	38.37558	0.4366	1.5	0	8.78915	0	8.78555	220424963	4010310	85
08/24/2017 17:09:08	16.67382	16.69774	16.65777	728.99694	729	728.89996	29.75635	29.8	29.7	29.00983	29.4	28.3	38.49591	38.70807	38.37558	0.74652	1.1	0.4	8.87259	0.01015	8.86916	220424963	4010310	85
08/24/2017 17:14:09	16.67468	16.69924	16.65543	728.99395	729	728.89996	29.70573	29.8	29.6	28.86371	29.2	28.6	38.48806	38.62495	38.37558	0.84201	1.6	0.69999	8.95601	0	8.9525	220424963	4010310	85
08/24/2017 17:19:08	16.67468	16.68927	16.66061	728.92816	729	728.89996	29.62247	29.7	29.5	28.41921	28.9	28.1	38.46734	38.62495	38.37558	1.20326	1.6	0.69999	9.03944	0.05687	9.03555	220424963	4010310	85
08/24/2017 17:24:08	16.67409	16.7047	16.65066	728.89965	728.89996	728.79998	29.45136	29.6	29.3	28.08791	28.3	27.9	38.46281	38.56953	38.37558	1.36345	1.6	1	9.12285	0.0385	9.11888	220424963	4010310	85
08/24/2017 17:29:09	16.67556	16.69056	16.66218	728.79797	728.79998	728.69995	29.08189	29.3	29	28.00311	28.2	27.6	38.44057	38.54183	38.32016	1.07877	1.4	0.8	9.20626	0.00196	9.2025	220424963	4010310	85
08/24/2017 17:34:08	16.67556	16.69056	16.66218	728.79797	728.79998	728.69995	29.08189	29.3	29	28.00311	28.2	27.6	38.44057	38.54183	38.32016	1.07877	1.4	0.8	9.28968	0	9.28555	220424963	4010310	85
08/24/2017 17:39:08	16.67464	16.69235	16.6514	728.78387	728.79998	728.69995	28.86481	29.1	28.7	27.72416	28	27.5	38.44178	38.51412	38.32016	1.14064	1.4	0.7	9.3731	0.02652	9.36888	220424963	4010310	85
08/24/2017 17:44:09	16.67606	16.69121	16.65083	728.72113	728.79998	728.69995	28.40204	28.5	28.1	27.21883	27.5	26.9	38.39745	38.54183	38.23704	1.18321	1.6	0.6	9.45651	0.04054	9.4525	220424963	4010310	85
08/24/2017 17:49:08	16.67606	16.69121	16.65083	728.72113	728.79998	728.69995	28.40204	28.5	28.1	27.21883	27.5	26.9	38.39745	38.54183	38.23704	1.18321	1.6	0.6	9.53992	0.03651	9.53555	220424963	4010310	85
08/24/2017 17:54:08	16.675	16.69396	16.65374	728.71203	728.79998	728.69995	28.12815	28.3	28	27.52484	27.9	27.1	38.3028	38.40329	38.20932	0.6033	1.2	0.1	9.62333	0.09087	9.61888	220424963	4010310	85
08/24/2017 17:59:08	16.67347	16.68723	16.64807	728.69964	728.69995	728.59997	27.96477	28.1	27.8	27.68296	28	27.4	38.29348	38.37558	38.20932	0.30193	0.9	0.2	9.70676	0.06081	9.70222	220424963	4010310	85
08/24/2017 18:04:08	16.6735	16.69235	16.64926	728.60699	728.69995	728.5	27.78656	27.9	27.7	27.24569	27.6	26.9	38.32273	38.431	38.20932	0.54086	0.9	0.2	9.79019	0.01801	9.78555	220424963	4010310	85
08/24/2017 18:09:09	16.67425	16.69144	16.65483	728.5	728.5	728.5	27.45604	27.7	27.3	26.06467	26.5	25.8	38.43138	38.48641	38.37558	1.39136	1.6	1	9.87359	0.05864	9.86916	220424963	4010310	85
08/24/2017 18:14:08	16.67425	16.69144	16.65483	728.5	728.5	728.5	27.45604	27.7	27.3	26.06467	26.5	25.8	38.43138	38.48641	38.37558	1.39136	1.6	1.19999	9.95702	0.01784	9.9525	220424963	4010310	85
08/24/2017 18:19:08	16.67373	16.68738	16.65216	728.44629	728.5	728.39996	27.17416	27.4	27.1	25.75907	25.9	25.5	38.42599	38.54183	38.34787	1.41508	1.6	1.19999	10.04047	0.02039	10.03555	220424963	4010310	85
08/24/2017 18:24:08	16.674	16.69739	16.65951	728.39996	728.39996	728.39996	26.602	26.7	26.5	25.59426	25.8	25.5	38.26392	38.37558	38.18162	1.00775	1.2	0.7	10.12391	0.02036	10.11916	220424963	4010310	85
08/24/2017 18:29:08	16.674	16.69739	16.65951	728.39996	728.39996	728.39996	26.602	26.7	26.5	25.59426	25.8	25.5	38.26392	38.37558	38.18162	1.00775	1.2	0.7	10.20736	0.03821	10.20222	220424963	4010310	85
08/24/2017 18:34:08	16.67469	16.68901	16.65951	728.34924	728.39996	728.29998	26.24358	26.5	26.1	25.55604	25.6	25.5	38.24521	38.32016	38.18162	0.68754	1	0.5	10.29081	0.02298	10.28555	220424963	4010310	85
08/24/2017 18:39:08	16.67592	16.68901	16.66113	728.29864	728.29998	728.19995	25.98853	26.1	25.7	25.54933	25.6	25.2	38.248	38.32016	38.18162	0.4392	0.8	0.2	10.37425	0	10.36916	220424963	4010310	85
08/24/2017 18:44:08	16.67584	16.69562	16.65542	728.23822	728.29998	728.19995	25.46178	25.6	25.3	25.1429	25.3	24.9	38.16357	38.29245	38.04308	0.31887	0.5	0.1	10.45769	0.03814	10.4525	220424963	4010310	85
08/24/2017 18:49:08	16.67584	16.69562	16.65542	728.23822	728.29998	728.19995	25.46178	25.6	25.3	25.1429	25.3	24.9	38.16357	38.29245	38.04308	0.31887	0.5	0.1	10.54113	0.07617	10.53555	220424963	4010310	85
08/24/2017 18:54:08	16.67307	16.68758	16.64978	728.20196	728.29998	728.19995	25.1805	25.4	25	24.54597	24.9	24.4	38.15653	38.29245	37.98767	0.63453	1.3	0.6	10.62454	0.02053	10.61916	220424963	4010310	85
08/24/2017 18:59:08	16.67419	16.6898	16.65553	728.19897	728.19995	728.09997	24.32748	24.7	24.1	23.2956	23.5	23.2	38.04937	38.23704	37.87683	1.03187	1.2	0.8	10.70797	0.03793	10.7025	220424963	4010310	85
08/24/2017 19:04:08	16.67419	16.6898	16.65553	728.19897	728.19995	728.09997	24.32748	24.7	24.1	23.2956	23.5	23.2	38.04937	38.23704	37.87683	1.03187	0.9	0.5	10.79139	0.00322	10.78583	220424963	4010310	85
08/24/2017 19:09:08	16.6756	16.68891	16.6561	728.09997	728.09997	728.09997	23.29293	23.6	23.1	22.9077	23.1	22.8	37.78857	37.90454	37.65517	0.38523	0.69999	0.19999	10.87481	0	10.86916	220424963	4010310	85
08/24/2017 19:14:08	16.6756	16.68891	16.6561	728.09997	728.09997	728.09997	23.29293	23.6	23.1	22.9077	23.1	22.8	37.78857	37.90454	37.65517	0.38523	0.6	0.1	10.95823	0.02061	10.9525	220424963	4010310	85
08/24/2017 19:19:08	16.67328	16.69	16.65335	728.09997	728.09997	728.09997	22.78145	23.1	22.5	22.50165	22.8	22.2	37.67568	37.79371	37.54434	0.2798	0.6	0.1	11.04165	0.08391	11.03555	220424963	4010310	85
08/24/2017 19:24:08	16.67467	16.69995	16.6432	728.00103	728.09997	728	21.81981	22	21.5	21.74914	22	21.5	37.48965	37.59976	37.35038	0.09086	0.2	0	11.12505	0.05843	11.11916	220424963	4010310	85
08/24/2017 19:29:08	16.67467	16.69995	16.6432	728.00103	728.09997	728	21.81981	22	21.5	21.74914	22	21.5	37.48965	37.59976	37.35038	0.09086	0.2	0	11.20844	0	11.20222	220424963	4010310	85
08/24/2017 19:34:08	16.67356	16.69892	16.65082	727.97338	728	727.89996	20.9323	21.2	20.7	21.34371	21.5	21.1	37.28096	37.4058	37.12871	0.4114	0.6	0.2	11.29186	0.03773	11.28583	220424963	4010310	85
08/24/2017 19:39:08	16.67356	16.69892	16.65082	727.97338	728	727.89996	20.9323	21.2	20.7	21.34371	21.5	21.1	37.28096	37.4058	37.12871	0.4114	0.6	0.2	11.37526	0	11.36888	220424963	4010310	85
08/24/2017 19:44:08	16.67362	16.70604	16.65215	727.89996	727.89996	727.89996	20.47602	20.7	20.2	21.17062	21.3	21	37.34101	37.46122	37.18413	0.69459	1.1	0.4	11.45868	0	11.45222	220424963	4010310	85
08/24/2017 19:49:08	16.67424	16.69917	16.65112	727.89996	727.89996	727.89996	20.06428	20.2	19.9	21.02221	21.1	20.9	37.32369	37.46122	37.21184	0.95792	1.19999	0.8	11.54209	0.03764	11.53555	220424963	4010310	85
08/24/2017 19:54:08	16.67294	16.68861	16.65112	727.89758	727.89996	727.79998	19.42045	19.6	19.1	20.91174	21.1	20.8	37.36951	37.46122	37.23955	1.49129	1.8	1.4	11.62553	0.05002	11.61916	220424963	4010310	85
08/24/2017 19:59:08	16.67294	16.68861	16.65112	727.89758	727.89996	727.79998	19.42045	19.6	19.1	20.91174	21.1	20.8	37.36951	37.46122	37.23955	1.49129	1.8	1.4	11.70895	0.03762	11.70222	220424963	4010310	85
08/24/2017 20:04:08	16.67213	16.69354	16.65027	727.79998	727.79998	727.79998	18.84439	19	18.5	20.44201	20.7	20.3	37.43008	37.51663	37.35038	1.59762	1.8	1.4	11.79237	0.03757	11.78583	220424963	4010310	85

08/24/2017 20:09:08	16.67213	16.69354	16.65027	727.79998	727.79998	727.79998	18.84439	19	18.5	20.44201	20.7	20.3	37.43008	37.51663	37.35038	1.59762	1.8	1.4	11.87581	0	11.86888	220424963	4010310	85
08/24/2017 20:14:08	16.67358	16.69723	16.64808	727.73529	727.79998	727.69995	18.28144	18.4	18.1	19.87123	20.2	19.6	37.54138	37.68287	37.43351	1.58978	1.8	1.4	11.95924	0.02913	11.9525	220424963	4010310	85
08/24/2017 20:19:08	16.67448	16.69723	16.65748	727.7171	727.79998	727.69995	18.05752	18.2	17.8	19.61009	19.8	19.5	37.54481	37.65517	37.46122	1.55256	1.7	1.4	12.04269	0.0208	12.03583	220424963	4010310	85
08/24/2017 20:24:08	16.67448	16.69723	16.65748	727.7171	727.79998	727.69995	18.05752	18.2	17.8	19.61009	19.8	19.5	37.54481	37.65517	37.46122	1.55256	2	1.69999	12.1261	0.02918	12.11916	220424963	4010310	85
08/24/2017 20:29:08	16.67587	16.69839	16.65518	727.79895	727.79998	727.69995	17.55114	17.7	17.5	19.48734	19.6	19.2	37.53582	37.62746	37.46122	1.9362	2	1.69999	12.20955	0.00417	12.2025	220424963	4010310	85
08/24/2017 20:34:08	16.67587	16.69839	16.65518	727.79895	727.79998	727.69995	17.55114	17.7	17.5	19.48734	19.6	19.2	37.53582	37.62746	37.46122	1.9362	2.1	1.69999	12.29297	0	12.28583	220424963	4010310	85
08/24/2017 20:39:08	16.67394	16.6972	16.64935	727.80401	727.89996	727.79998	17.27968	17.5	17.1	19.13528	19.3	19	37.55189	37.65517	37.48892	1.85559	2.1	1.69999	12.3764	0.00431	12.36888	220424963	4010310	85
08/24/2017 20:44:08	16.67412	16.69479	16.65164	727.79998	727.79998	727.79998	17.09625	17.2	17	18.89113	19	18.7	37.55024	37.65517	37.46122	1.79487	2.1	1.69999	12.45982	0.03734	12.4525	220424963	4010310	85
08/24/2017 20:49:08	16.6762	16.69479	16.65164	727.79797	727.79998	727.69995	16.62989	16.7	16.5	18.66375	18.9	18.6	37.63305	37.73829	37.48892	2.03386	2.4	1.9	12.54324	0.07481	12.53583	220424963	4010310	85
08/24/2017 20:54:08	16.6762	16.69479	16.65164	727.79797	727.79998	727.69995	16.62989	16.7	16.5	18.66375	18.9	18.6	37.63305	37.73829	37.48892	2.03386	2.4	1.9	12.62669	0.07476	12.61888	220424963	4010310	85
08/24/2017 20:59:08	16.67494	16.70065	16.65283	727.79797	727.79998	727.69995	16.44573	16.6	16.4	18.91728	19	18.6	37.65247	37.71059	37.57204	2.47155	2.59999	2.09999	12.71009	0.05826	12.70222	220424963	4010310	85
08/24/2017 21:04:08	16.67587	16.70186	16.64818	727.79998	727.79998	727.79998	16.31253	16.4	16.1	19.0782	19.2	19	37.60098	37.71059	37.46122	2.76567	3.1	2.59999	12.79349	0.05826	12.78555	220424963	4010310	85
08/24/2017 21:09:08	16.67722	16.69016	16.66332	727.79998	727.79998	727.79998	16.01345	16.1	15.9	18.96056	19	18.9	37.61704	37.73829	37.48892	2.9471	3	2.8	12.87696	0	12.86916	220424963	4010310	85
08/24/2017 21:14:08	16.67722	16.69016	16.66332	727.79998	727.79998	727.79998	16.01345	16.1	15.9	18.96056	19	18.9	37.61704	37.73829	37.48892	2.9471	3	2.8	12.96039	0.06259	12.95222	220424963	4010310	85
08/24/2017 21:19:08	16.67385	16.70528	16.65283	727.79797	727.79998	727.69995	15.9222	16	15.9	18.87983	19	18.6	37.58297	37.71059	37.48892	2.95762	3.1	2.69999	13.04381	0	13.03555	220424963	4010310	85
08/24/2017 21:24:08	16.67399	16.69479	16.64579	727.79492	727.79998	727.69995	15.8756	15.9	15.7	18.71372	18.9	18.6	37.67204	37.79371	37.54434	2.83812	3.1	2.69999	13.12724	0.03739	13.11888	220424963	4010310	85
08/24/2017 21:29:08	16.6762	16.69479	16.64814	727.71209	727.79998	727.69995	15.7348	15.8	15.5	18.61213	18.9	18.5	37.64738	37.79371	37.51663	2.87733	3.1	2.69999	13.21063	0.03734	13.2025	220424963	4010310	85
08/24/2017 21:34:08	16.6762	16.69479	16.64814	727.71209	727.79998	727.69995	15.7348	15.8	15.5	18.61213	18.9	18.5	37.64738	37.79371	37.51663	2.87733	3.1	2.69999	13.29404	0.01646	13.28555	220424963	4010310	85
08/24/2017 21:39:08	16.67455	16.70054	16.64579	727.71307	727.89996	727.69995	15.58412	15.8	15.5	18.54239	18.6	18.5	37.73319	37.84912	37.59976	2.95827	3.19999	2.8	13.37746	0.02088	13.36888	220424963	4010310	85
08/24/2017 21:44:08	16.67388	16.69468	16.64808	727.7221	727.89996	727.69995	15.47938	15.7	15.4	18.50672	18.6	18.5	37.73839	37.82141	37.62746	3.02733	3.19999	2.8	13.46089	0.05824	13.45222	220424963	4010310	85
08/24/2017 21:49:08	16.67433	16.69233	16.64808	727.80029	727.89996	727.69995	15.45763	15.5	15.4	18.45877	18.6	18.3	37.68153	37.76599	37.54434	3.00114	3.09999	2.8	13.54431	0.03732	13.53555	220424963	4010310	85
08/24/2017 21:54:08	16.67374	16.69107	16.65732	727.80102	727.89996	727.79998	15.40201	15.5	15.3	18.34036	18.4	18.3	37.68142	37.79371	37.57204	2.93835	3	2.8	13.62774	0.03732	13.61888	220424963	4010310	85
08/24/2017 21:59:08	16.67493	16.70154	16.65373	727.87646	728	727.79998	15.25716	15.4	15.2	18.27561	18.4	18.1	37.66817	37.71059	37.59976	3.01844	3.1	2.69999	13.71114	0.02896	13.7025	220424963	4010310	85
08/24/2017 22:04:08	16.67493	16.70154	16.65373	727.87646	728	727.79998	15.25716	15.4	15.2	18.27561	18.4	18.1	37.66817	37.71059	37.59976	3.01844	3.2	2.9	13.79454	0.04115	13.78583	220424963	4010310	85
08/24/2017 22:09:08	16.67408	16.70154	16.64451	727.91888	728	727.79998	15.21345	15.3	15.1	18.28836	18.4	18.1	37.71129	37.82141	37.62746	3.0749	3.2	2.9	13.87798	0	13.86888	220424963	4010310	85
08/24/2017 22:14:08	16.67742	16.69791	16.65607	727.89288	727.89996	727.79998	15.13901	15.2	15.1	18.12642	18.3	18	37.70509	37.79371	37.62746	2.98741	3.2	2.9	13.96142	0	13.9525	220424963	4010310	85
08/24/2017 22:19:08	16.67742	16.69791	16.65607	727.89288	727.89996	727.79998	15.13901	15.2	15.1	18.12642	18.3	18	37.70509	37.79371	37.62746	2.98741	3.2	2.9	14.04489	0	14.03555	220424963	4010310	85
08/24/2017 22:24:08	16.674	16.69791	16.64787	727.93524	728	727.89996	14.96387	15.1	14.8	18.04907	18.1	17.9	37.77672	37.87683	37.65517	3.08519	3.19999	2.8	14.1283	0.00837	14.11916	220424963	4010310	85
08/24/2017 22:29:08	16.674	16.69791	16.64787	727.93524	728	727.89996	14.96387	15.1	14.8	18.04907	18.1	17.9	37.77672	37.87683	37.65517	3.08519	3.19999	2.8	14.2117	0.07912	14.20222	220424963	4010310	85
08/24/2017 22:34:08	16.6754	16.69791	16.64787	727.94537	728	727.89996	14.91344	15.1	14.8	18.06342	18.1	17.9	37.86399	37.98767	37.76599	3.14998	3.3	2.9	14.29512	0.02092	14.28555	220424963	4010310	85
08/24/2017 22:39:08	16.67464	16.70027	16.65247	727.91052	728	727.79998	14.88271	15.1	14.8	17.95673	18.1	17.8	37.84378	37.93225	37.68287	3.07401	3.3	2.8	14.37852	0.00798	14.36916	220424963	4010310	85
08/24/2017 22:44:08	16.67464	16.70027	16.65247	727.91052	728	727.79998	14.88271	15.1	14.8	17.95673	18.1	17.8	37.84378	37.93225	37.68287	3.07401	3.3	2.8	14.46195	0.05361	14.45222	220424963	4010310	85
08/24/2017 22:49:08	16.67673	16.69897	16.6594	727.88079	728	727.79998	14.83409	14.9	14.8	17.87444	17.9	17.8	37.87219	37.95996	37.79371	3.04035	3.1	2.9	14.54533	0.01633	14.53555	220424963	4010310	85
08/24/2017 22:54:08	16.67418	16.69662	16.65119	727.91308	728	727.89996	14.73854	14.8	14.6	17.76436	17.9	17.7	37.90894	37.98767	37.82141	3.02581	3.3	2.9	14.62871	0	14.61916	220424963	4010310	85
08/24/2017 22:59:08	16.67418	16.69662	16.65119	727.91308	728	727.89996	14.73854	14.8	14.6	17.76436	17.9	17.7	37.90894	37.98767	37.82141	3.02581	3.3	2.9	14.71212	0.03353	14.70222	220424963	4010310	85
08/24/2017 23:04:08	16.67541	16.70576	16.65224	727.89178	727.89996	727.79998	14.57601	14.7	14.5	17.50018	17.7	17.4	37.89896	38.01537	37.79371	2.92417	3.1	2.8	14.79555	0.00788	14.78583	220424963	4010310	85
08/24/2017 23:09:08	16.67541	16.70576	16.65224	727.89178	727.89996	727.79998	14.57601	14.7	14.5	17.50018	17.7	17.4	37.89896	38.01537	37.79371	2.92417	3.1	2.8	14.87896	0.07445	14.86888	220424963	4010310	85
08/24/2017 23:14:08	16.67484	16.69501	16.65328	727.81103	727.89996	727.79998	14.49998	14.6	14.3	17.35914	17.5	17.3	37.99533	38.1262	37.87683	2.85916	3.2	2.8	14.96236	0.05817	14.95222	220424963	4010310	85
08/24/2017 23:19:08	16.67402	16.69501	16.65328	727.79998	727.79998	727.79998	14.37805	14.5	14.2	17.33359	17.4	17.3	37.96078	38.1262	37.79371	2.95553	3.2	2.8	15.04573	0.07445	15.03555	220424963	4010310	85
08/24/2017 23:24:08	16.67606	16.7009	16.65094	727.85107	727.89996	727.79998	14.23563	14.5	14.2	17.33517	17.5	17.2	38.03371	38.15392	37.90454	3.09953	3.2	2.9	15.12916	0	15.11916	220424963	4010310	85
08/24/2017 23:29:08	16.67606	16.7009	16.65094	727.85107	727.89996	727.79998	14.23563	14.5	14.2	17.33517	17.5	17.2	38.03371	38.15392	37.90454	3.09953	3.2	2.9	15.21258	0.01615	15.20222	220424963	4010310	85
08/24/2017 23:34:08	16.67373	16.69955	16.65062	727.79998	727.79998	727.79998	14.15918	14.3	14	16.9997	17.3	16.8	38.07648	38.15392	37.98767	2.84052	3.1	2.7	15.29603	0.01611	15.28555	220424963	4010310	85
08/24/2017 23:39:08	16.6743	16.6923	16.65516	727.79998	727.79998	727.79998	14.10002	14.2	13.9	16.75921	16.9	16.6	38.07273	38.15392	37.93225	2.65919	2.6	2.2	15.37945	0	15.36916	220424963	4010310	85
08/24/2017 23:44:08	16.67624	16.69543	16.65693	727.82269	727.89996	727.79998	13.99482	14.1	13.9	16.4454	16.7	16.2	38.00016	38.1262	37.90454	2.45058	2.6	2.2	15.46283	0.05812	15.45222	220424963	4010310	85
08/24/2017 23:49:08	16.67606	16.70066	16.65319	727.89996	727.89996	727.89996	13.9067	14	13.7	16.18993	16.3	16	38.02452	38.1262	37.90454	2.28322	2.5	2.09999	15.54625	0.0581	15.53555	220424963	4010310	85
08/24/2017 23:54:08	16.67689	16.69027	16.65178	727.89996	727.89996	727.89996	13.57459	13.7	13.5	16.00672	16.2	15.9	37.98745	38.0985	37.90454	2.43212	2.5	2.3	15.62969	0	15.61916	220424963	4010310	85
08/24/2017 23:59:08	16.67689	16.69027	16.65178	727.89996	727.89996	727.89996	13.57459	13.7	13.5	16.00672	16.2	15.9	37.98745	38.0985	37.90454	2.43212	2.5	2.3	15.71314	0.05811	15.70222	220424963	4010310	85
08/25/2017 00:04:08	16.67292	16.69496	16.65104	727.78033	727.79998	727.69995	13.28657	13.5	13.1	16.18272	16.3	16	38.09499	38.26474	37.95996	2.89615	3.1	2.7	15.79659	0.05308	15.78583	220424963	4010310	85
08/25/2017 00:09:08	16.67435	16.70536	16.65198	727.69696	727.69995	727.59997	13.19912	13.3	13.1	16.06253	16.2	16	38.22507	38.29245	38.1262	2.86341	3.1	2.69999	15.88002	0.04543	15.86916	220424963	4010310	85
08/25/2017 00:14:08	16.67435	16.70536	16.65198	727.69696	727.69995	727.59997	13.19912	13.3	13.1	16.06253	16.2	16	38.22507	38.29245	38.1262	2.86341	3.1	2.69999	15.96346	0.02106	15.95222	220424963	4010310	85
08/25/2017 00:19:08	16.67467	16.69944	16.64983	727.61071	727.69995	727.59997	13.10737	13.3	13	16.01342	16.2	15.9	38.24747	38.32016	38.1262	2.90605	3.1	2.69999	16.04688	0.02106	16.03555	220424963	4010310	85
08/25/2017 00:24:08	16.67636	16.70035	16.65432	727.58587	727.59997	727.5	13.00201	13.1	12.9	15.96975	16	15.9	38.24096	38.32016	38.15392	2.96773	3.09999	2.8	16.13029	0.037	16.11888	220424963	4010310	85
08/25/2017 00:29:08	16.67857	16.69588	16.65738	727.59997	727.59997	727.59997	12.87397	13	12.8	15.83955	16	15.6	38.29428	38.40329	38.20932	2.96558	3.19999	2.8	16.2137	0.06323	16.2025	220424963	4010310	85
08/25/2017 00:34:08	16.67857	16.69588	16.65738	727.59997	727.59997	727.59997	12.87397	13	12.8	15.83955	16	15.6	38.29428	38.40329	38.20932	2.96558	3.19999	2.8	16.29711	0.05808	16.28555	220424963	4010310	85
08/25/2017 00:39:08	16.67772	16.71074	16.65504	727.61108	727.69995	727.59997	12.80955	12.9	12.7	15.76183	15.9	15.6	38.31455	38.40329	38.23704	2.95228	3.1	2.69999	16.38053	0	16.36916	220424963	4010310	85
08/25/2017 00:44:08	16.67772	16.71074	16.65504	727.61108	727.69995	727.59997	12.80955	12.9	12.7	15.76183	15.9	15.6	38.31455	38.40329	38.23704	2.95228	3.1	2.69999	16.46374	0	16.45222	220424963	4010310	85
08/25/2017 00:49:08	16.67531	16.70627	16.65198	727.6748	727.69995	727.59997	12.79661	12.9	12.5	15.95917	16	15.9	38.33537	38.431	38.23704	3.16255	3.5	3	16.54696	0	16.53583	220424963	4010310	85
08/25/2017 00:54:08	16.67531	16.70627	16.65198	727.6748	727.69995	727.59997	12.79661	12.9	12.5	15.95917	16	15.9	38.33537	38.431	38.23704	3.16255	3.5	3	16.63019	0.02106	16.61888	220424963	4010310	85
08/25/2017 00:59:08	16.67783	16.70035	16.65198	727.65863	727.69995	727.59997	12.81344	12.9	12.7	15.91345	16	15.7	38.38455	38.4587	38.26474	3.1	3.19999	3	16.71339	0.03706	16.7025	220424963	4010310	85
08/25/2017 01:04:08	16.67459	16.70035	16.65646	727.67474	727.69995	727.59997	12.81343	12.9	12.8	15.9504	16	15.9	38.40063	38.4587	38.26474	3.13696	3.19999	3	16.7966	0	16.78555	220424963	4010310	85
08/25/2017 01:09:08	16.67252	16.69232	16.65382	727.5	727.5	727.5	12.78517	12.9	12.5	15.70334	15.9	15.6	38.42887	38.51412	38.34787	2.91816	3.2	2.69999	16.8798	0.03189	16.86916	220424963	4010310	85
08/25/2017 01:14:08	16.67252	16.69232	16.65382	727.5	727.5	727.5	12.78517	12.9	12.5	15.70334	15.9	15.6	38.42887	38.51412	38.34787	2.91816	3.2	2.69999	16.963	0.037	16.95222	220424963	4010310	85
08/25/2017 01:19:08	16.67278	16.69532	16.65738	727.51007	727.59997	727.5	12.71102	12.8	12.5	15.68318	15.9	15.5	38.45684	38.54183	38.37558	2.97216	3.2	2.7	17.04622	0.05809	17.03555	220424963	4010310	85
08/25/2017 01:24:08	16.67769	16.69532	16.66274	727.5	727.5	727.5	12.48657	12.5	12.4	15.5	15.6	15.4	38.49833	38.56953	38.431	3.01342	3.19999	2.9	17.12942	0.07394	17.11916	220424963	4010310	85
08/25/2017 01:29:08	16.67769	16.69532	16.66274	727.5	727.5	727.5	12.48657	12.5	12.4	15.5	15.6	15.4	38.49833	38.56953	38.431	3.01342	3.19999	2.9	17.21262	0.07395	17.20222	220424963	4010310	85
08/25/2017 01:34:08	16.67686	16.69385	16.65682	727.49694	727.5	727.39996	12.39663	12.5	12.2	15.32351	15.4	15.3	38.47503	38.56953	38.37558	2.92687	3.1	2.8	17.29583	0	17.28583	220424963	4010310	85
08/25/2017 01:39:08	16.67686	16.69385	16.65682	727.49694	727.5	727.39996	12.39663	12.5	12.2	15.32351	15.4	15.3	38.47503	38.56953	38.37558	2.92687	3.1	2.69999	17.37903	0.03167	17.36916	220424963	4010310	85
08/25/2017 01:44:08	16.67683	16.69829	16.65682	727.48889	727.5	727.39996	12.34179	12.4	12.2	15.25299	15.4	15.1	38.50031	38.59724	38.37558	2.9112	3.1	2.69999	17.46223	0.04531	17.45222	220424963	4010310	85
08/25/2017 01:49:08	16.67543	16.68878	16.64943	727.48736	727.5	727.39996	12.24031	12.4	12.2	15.10068	15.3	15	38.53957	38.59724	38.431	2.86037	3.1	2.69999	17.54543	0.03691	17.53555	220424963	4010310	85
08/25/2017 01:54:08	16.67541	16.70356	16.65621	727.39996	727.39996	727.39996	12.11064	12.2	11.9	14.95294	15.1	14.8	38.67368	38.90203	38.56953	2.8423	3	2.7	17.62864	0.05807	17.61916	220424963	4010310	85
08/25/2017 01:59:08	16.67541	16.70356	16.65621	727.39996	727.39996	727.39996	12.11064	12.2	11.9	14.95294	15.1	14.8	38.67368	38.90203	38.56953	2.8423	3	2.7	17.71185	0.00743	17.70222	220424963	4010310	85
08/25/2017 02:04:08	16.67493	16.71101	16.64265	727.51129	727.59997	727.39996	11.94811	12.1	11.8	15.17397	15.3	15.1	38.63024	38.76348	38.54183	3.22586	3.5	3	17.79506	0.04223	17.78583	220424963	4010310	85
08/25/2017 02:09:08	16.67493	16.71101	16.64265	727.51129	727.59997	727.39996	11.94811	12.1	11.8	15.17397	15.3	15.1	38.63024	38.76348	38.54183	3.22586	3.4	3	17.87827	0.03696	17.86916	220424963	4010310	85
08/25/2017 02:14:08	16.67589	16.70064	16.65301	727.47577	727.59997	727.39996	11.93202	12.1	11.8	15.1739	15.3	15.1	38.7091	38.90203	38.54183	3.24188	3.4	3	17.96148	0	17.95222	220424963	4010310	85
08/25/2017 02:19:08	16.67803	16.7095	16.65535	727.44891	727.5	727.39996	11.95781	12.1	11.9	15.20076	15.3	15.1	38.83595	38.98516	38.65265	3.24295	3.4	3	18.04469	0	18.03555	220424963	4010310	85
08/25/2017 02:24:08	16.67918	16.69998	16.65856	727.30365	727.39996	727.29998	11.94771	12.1	11.8	14.90113	15.1	14.8	38.99068	39.06828	38.84661	2.95341	3.19999	2.7	18.12789	0	18.11916	220424963	4010310	85
08/25/2017 02:29:08	16.67918	16.69998	16.65856	727.30365	727.39996	727.29998	11.94771	12.1	11.8	14.90113	15.1	14.8	38.99068	39.06828	38.84661	2.95341	3.19999	2.7	18.2111	0.02114	18.20222	220424963	4010310	85
08/25/2017 02:34:08	16.67708	16.69998	16.65621	727.32678	727.39996	727.29998	11.82688	11.9	11.8	14.89461	15	14.8	39.04327	39.12369	38.98516	3.06773	3.2	2.9	18.29433	0.05263	18.28583	220424963	4010310	85
08/25/2017 02:39:08	16.67708	16.69998	16.65621	727.32678	727.39996	727.29998	11.82688	11.9	11.8	14.89461	15	14.8	39.04327	39.12369	38.98516	3.06773	3.2	2.9	18.37754	0.0684	18.36888	220424963	4010310	85
08/25/2017 02:44:08	16.67709	16.69998	16.65029	727.32891	727.39996	727.29998	11.82687	11.9	11.7	14.87313	15	14.7	39.06316	39.1514	39.01286	3.04625	3.2	2.9	18.46076	0.08214	18.45222	220424963	4010310	85
08/25/2017 02:49:08	16.6781	16.69998	16.65029	727.31005	727.39996	727.29998	11.82015	11.9	11.8	14.86305	14.9	14.8	39.04952	39.12369	38.95744	3.04289	3.1	2.9	18.54399	0.05807	18.53583	220424963	4010310	85
08/25/2017 02:54:08	16.6781	16.69998	16.65029	727.31005	727.39996	727.29998	11.82015	11.9	11.8	14.86305	14.9	14.8	39.04952	39.12369	38.95744	3.04289	3.1	2.9	18.62719	0.07382	18.61888	220424963	4010310	85
08/25/2017 02:59:08	16.67613	16.70439	16.65554	727.3042	727.5	727.29998	11.74566	11.8	11.6	14.70595	14.8	14.5	39.05662	39.12369	38.98516	2.96028	3.2	2.7	18.71041	0.02018	18.7025	220424963	4010310	85

08/25/2017 03:04:08	16.67613	16.70439	16.65554	727.3042	727.5	727.29998	11.74566	11.8	11.6	14.70595	14.8	14.5	39.05662	39.12369	38.98516	2.96028	3.2	2.7	18.79361	0.02115	18.78555	220424963	4010310	85
08/25/2017 03:09:08	16.67447	16.70439	16.6452	727.32818	727.5	727.29998	11.64232	11.8	11.6	14.70754	14.8	14.5	39.08339	39.20681	39.01286	3.06522	3.2	2.9	18.87682	0.07372	18.86916	220424963	4010310	85
08/25/2017 03:14:08	16.67447	16.70439	16.6452	727.32818	727.5	727.29998	11.64232	11.8	11.6	14.70754	14.8	14.5	39.08339	39.20681	39.01286	3.06522	3.2	2.9	18.96003	0.00545	18.95222	220424963	4010310	85
08/25/2017 03:19:08	16.67646	16.70879	16.6452	727.33624	727.5	727.29998	11.62355	11.8	11.5	14.60742	14.7	14.5	39.10815	39.20681	39.01286	2.98386	3.1	2.7	19.04323	0.07377	19.03555	220424963	4010310	85
08/25/2017 03:24:08	16.67556	16.6969	16.64961	727.29998	727.29998	727.29998	11.58061	11.6	11.5	14.47983	14.7	14.4	39.15137	39.23452	39.04057	2.89922	3.1	2.8	19.12643	0.02118	19.11916	220424963	4010310	85
08/25/2017 03:29:08	16.67556	16.6969	16.64961	727.29998	727.29998	727.29998	11.58061	11.6	11.5	14.47983	14.7	14.4	39.15137	39.23452	39.04057	2.89922	3.1	2.8	19.20964	0.07372	19.20222	220424963	4010310	85
08/25/2017 03:34:08	16.67273	16.70129	16.65196	727.27923	727.29998	727.19995	11.49664	11.6	11.3	14.38045	14.5	14.3	39.2143	39.31765	39.09598	2.88381	3.2	2.7	19.29285	0.01567	19.28583	220424963	4010310	85
08/25/2017 03:39:08	16.67273	16.70129	16.65196	727.27923	727.29998	727.19995	11.49664	11.6	11.3	14.38045	14.5	14.3	39.2143	39.31765	39.09598	2.88381	3.2	2.7	19.37605	0	19.36888	220424963	4010310	85
08/25/2017 03:44:08	16.67508	16.69925	16.64603	727.19995	727.19995	727.19995	11.46463	11.5	11.2	14.37236	14.5	14.3	39.25958	39.42849	39.17911	2.90772	3.3	2.8	19.45926	0	19.45222	220424963	4010310	85
08/25/2017 03:49:08	16.67489	16.69769	16.65636	727.19995	727.19995	727.19995	11.35632	11.5	11.2	14.31073	14.5	14.2	39.3224	39.45619	39.20681	2.95441	3.1	2.7	19.54246	0	19.53583	220424963	4010310	85
08/25/2017 03:54:08	16.6727	16.69769	16.66076	727.19995	727.19995	727.19995	11.28665	11.5	11.2	14.21548	14.3	14.1	39.34742	39.5116	39.23452	2.92883	3.1	2.7	19.62566	0.05248	19.61888	220424963	4010310	85
08/25/2017 03:59:08	16.67239	16.69769	16.65043	727.19995	727.19995	727.19995	11.22352	11.3	11.1	14.18473	14.3	13.9	39.35051	39.42849	39.28994	2.9612	3.1	2.7	19.70887	0.05249	19.70222	220424963	4010310	85
08/25/2017 04:04:08	16.673	16.6941	16.65841	727.23687	727.29998	727.09997	11.15299	11.2	11.1	14.22686	14.3	14.1	39.38065	39.4839	39.28994	3.07387	3.2	3	19.79207	0.03685	19.78583	220424963	4010310	85
08/25/2017 04:09:08	16.67453	16.69769	16.65841	727.21441	727.29998	727.09997	11.149	11.3	11.1	14.22745	14.3	14.1	39.44447	39.62244	39.31765	3.07845	3.2	2.9	19.87527	0	19.86916	220424963	4010310	85
08/25/2017 04:14:08	16.67453	16.69769	16.65841	727.21441	727.29998	727.09997	11.149	11.3	11.1	14.22745	14.3	14.1	39.44447	39.62244	39.31765	3.07845	3.2	2.9	19.95849	0	19.95222	220424963	4010310	85
08/25/2017 04:19:08	16.67616	16.70005	16.65636	727.14996	727.19995	727.09997	11.15371	11.2	11.1	14.28322	14.4	14.2	39.52662	39.62244	39.42849	3.1295	3.3	3	20.0417	0	20.03555	220424963	4010310	85
08/25/2017 04:24:08	16.67434	16.69331	16.65636	727.21405	727.29998	727.19995	11.2476	11.5	11.1	14.37584	14.5	14.3	39.45659	39.59472	39.34536	3.12824	3.3	2.9	20.1249	0	20.11916	220424963	4010310	85
08/25/2017 04:29:08	16.67434	16.69331	16.65636	727.21405	727.29998	727.19995	11.2476	11.5	11.1	14.37584	14.5	14.3	39.45659	39.59472	39.34536	3.12824	3.3	2.9	20.2081	0	20.20222	220424963	4010310	85
08/25/2017 04:34:08	16.67637	16.69331	16.65636	727.19091	727.19995	727.09997	11.27985	11.5	11.2	14.31208	14.4	14.2	39.55516	39.65014	39.4839	3.03223	3.1	2.8	20.29131	0.03684	20.28583	220424963	4010310	85
08/25/2017 04:39:08	16.67637	16.69331	16.65636	727.19091	727.19995	727.09997	11.27985	11.5	11.2	14.31208	14.4	14.2	39.55516	39.65014	39.4839	3.03223	3.1	2.8	20.37451	0.01565	20.36888	220424963	4010310	85
08/25/2017 04:44:08	16.67557	16.68971	16.66076	727.16906	727.19995	727.09997	11.2168	11.3	11.1	14.25038	14.4	14.1	39.57143	39.70556	39.42849	3.03358	3.1	2.9	20.45771	0	20.4525	220424963	4010310	85
08/25/2017 04:49:08	16.67557	16.68971	16.66076	727.16906	727.19995	727.09997	11.2168	11.3	11.1	14.25038	14.4	14.1	39.57143	39.70556	39.42849	3.03358	3.1	2.9	20.54092	0.02117	20.53555	220424963	4010310	85
08/25/2017 04:54:08	16.67371	16.68939	16.65841	727.21807	727.29998	727.19995	11.17251	11.3	11.1	14.23019	14.3	14.1	39.5739	39.67785	39.45619	3.05768	3.2	2.9	20.62412	0	20.61888	220424963	4010310	85
08/25/2017 04:59:08	16.67431	16.69175	16.65043	727.23925	727.29998	727.19995	11.16105	11.3	11.1	14.24763	14.3	14.2	39.62741	39.70556	39.5116	3.08658	3.2	3	20.70732	0.02117	20.70222	220424963	4010310	85
08/25/2017 05:04:08	16.67678	16.70005	16.65196	727.17108	727.19995	727.09997	11.19731	11.3	11.1	14.33221	14.5	14.3	39.62039	39.73327	39.5116	3.13489	3.3	3	20.79053	0.04522	20.78583	220424963	4010310	85
08/25/2017 05:09:08	16.67678	16.70005	16.65196	727.17108	727.19995	727.09997	11.19731	11.3	11.1	14.33221	14.5	14.3	39.62039	39.73327	39.5116	3.13489	3.3	3	20.87374	0.02118	20.86888	220424963	4010310	85
08/25/2017 05:14:08	16.67808	16.69566	16.65636	727.14428	727.19995	727.09997	11.21206	11.5	11.1	14.32011	14.4	14.3	39.63355	39.70556	39.5116	3.10804	3.3	2.9	20.95694	0.03685	20.95222	220424963	4010310	85
08/25/2017 05:19:08	16.67606	16.68971	16.65043	727.16711	727.29998	727.09997	11.19999	11.3	11.1	14.28929	14.4	14.2	39.63928	39.73327	39.53931	3.0893	3.3	2.9	21.04014	0.04523	21.03555	220424963	4010310	85
08/25/2017 05:24:08	16.67467	16.69769	16.65401	727.25396	727.29998	727.19995	11.17921	11.3	11.1	14.29801	14.4	14.2	39.65377	39.73327	39.53931	3.11879	3.3	3	21.12335	0	21.11916	220424963	4010310	85
08/25/2017 05:29:08	16.67467	16.69769	16.65401	727.25396	727.29998	727.19995	11.17921	11.3	11.1	14.29801	14.4	14.2	39.65377	39.73327	39.53931	3.11879	3.3	3	21.20655	0.05801	21.20222	220424963	4010310	85
08/25/2017 05:34:08	16.67734	16.69769	16.65326	727.21173	727.29998	727.19995	11.20871	11.5	11.1	14.27252	14.3	13.9	39.65592	39.73327	39.59472	3.06381	3.2	2.7	21.28975	0.06361	21.28555	220424963	4010310	85
08/25/2017 05:39:08	16.67377	16.70208	16.65326	727.20898	727.29998	727.19995	11.11006	11.3	11	14.01677	14.2	13.9	39.62885	39.70556	39.56702	2.9067	3.1	2.6	21.37296	0	21.36916	220424963	4010310	85
08/25/2017 05:44:08	16.67377	16.70208	16.65326	727.20898	727.29998	727.19995	11.11006	11.3	11	14.01677	14.2	13.9	39.62885	39.70556	39.56702	2.9067	3.1	2.6	21.45617	0.05238	21.45222	220424963	4010310	85
08/25/2017 05:49:08	16.67442	16.69847	16.64294	727.17077	727.19995	727.09997	11.08991	11.1	11	14.09863	14.3	13.9	39.70732	39.81639	39.62244	3.00871	3.2	2.8	21.53937	0.0368	21.53583	220424963	4010310	85
08/25/2017 05:54:08	16.67442	16.69847	16.64294	727.17077	727.19995	727.09997	11.08991	11.1	11	14.09863	14.3	13.9	39.70732	39.81639	39.62244	3.00871	3.2	2.8	21.62258	0.10883	21.61888	220424963	4010310	85
08/25/2017 05:59:08	16.67489	16.70208	16.64294	727.22479	727.29998	727.19995	11.04026	11.1	10.9	14.0872	14.2	13.9	39.69043	39.81639	39.59472	3.04693	3.3	2.8	21.70579	0.00838	21.7025	220424963	4010310	85
08/25/2017 06:04:08	16.67489	16.70208	16.64294	727.22479	727.29998	727.19995	11.04026	11.1	10.9	14.0872	14.2	13.9	39.69043	39.81639	39.59472	3.04693	3.3	2.8	21.78899	0.01562	21.78555	220424963	4010310	85
08/25/2017 06:09:08	16.67323	16.70208	16.65091	727.23651	727.29998	727.19995	10.99668	11.1	10.9	14.08386	14.3	13.9	39.67451	39.78868	39.59472	3.08718	3.3	2.8	21.87221	0.0664	21.86888	220424963	4010310	85
08/25/2017 06:14:08	16.67508	16.70208	16.64808	727.2265	727.29998	727.19995	10.99663	11.1	10.9	14.08659	14.3	13.9	39.7037	39.81639	39.62244	3.08995	3.3	2.8	21.95541	0	21.95222	220424963	4010310	85
08/25/2017 06:19:08	16.67481	16.69612	16.65606	727.27551	727.39996	727.19995	11.07108	11.2	11	14.23899	14.4	14.1	39.71188	39.78868	39.62244	3.1679	3.4	3	22.03861	0.00837	22.03583	220424963	4010310	85
08/25/2017 06:24:08	16.67481	16.69612	16.65606	727.27551	727.39996	727.19995	11.07108	11.2	11	14.23899	14.4	14.1	39.71188	39.78868	39.62244	3.1679	3.4	3	22.12183	0.07657	22.11888	220424963	4010310	85
08/25/2017 06:29:08	16.6755	16.69972	16.65606	727.37176	727.39996	727.19995	11.10001	11.2	11	14.29195	14.5	14.2	39.69469	39.76097	39.62244	3.19194	3.4	3.1	22.20503	0.02117	22.20222	220424963	4010310	85
08/25/2017 06:34:08	16.67444	16.70129	16.65086	727.48858	727.5	727.29998	11.25638	11.5	11.1	14.4698	14.7	14.3	39.69171	39.81639	39.62244	3.21342	3.5	2.9	22.28824	0.05357	22.28583	220424963	4010310	85
08/25/2017 06:39:08	16.67444	16.70129	16.65086	727.48858	727.5	727.29998	11.25638	11.5	11.1	14.4698	14.7	14.3	39.69171	39.81639	39.62244	3.21342	3.5	2.9	22.37145	0.03685	22.36888	220424963	4010310	85
08/25/2017 06:44:08	16.67598	16.70489	16.65086	727.43591	727.5	727.39996	11.3651	11.5	11.2	14.46779	14.5	14.4	39.67255	39.73327	39.62244	3.10268	3.2	2.9	22.45465	0.00837	22.4525	220424963	4010310	85
08/25/2017 06:49:08	16.67598	16.70489	16.65086	727.43591	727.5	727.39996	11.3651	11.5	11.2	14.46779	14.5	14.4	39.67255	39.73327	39.62244	3.10268	3.2	2.9	22.53786	0.07918	22.53555	220424963	4010310	85
08/25/2017 06:54:08	16.67456	16.68861	16.65086	727.46209	727.59997	727.39996	11.46313	11.6	11.2	14.62621	14.8	14.4	39.71336	39.81639	39.62244	3.16308	3.4	3	22.62106	0.04232	22.61916	220424963	4010310	85
08/25/2017 06:59:08	16.67456	16.68861	16.65086	727.46209	727.59997	727.39996	11.46313	11.6	11.2	14.62621	14.8	14.4	39.71336	39.81639	39.62244	3.16308	3.4	3	22.70426	0.02114	22.70222	220424963	4010310	85
08/25/2017 07:04:08	16.67385	16.69444	16.65152	727.59997	727.59997	727.59997	11.55102	11.6	11.5	14.9625	15.3	14.7	39.76275	39.8441	39.67785	3.41148	3.7	3.2	22.78747	0.04223	22.78583	220424963	4010310	85
08/25/2017 07:09:08	16.67385	16.69444	16.65152	727.59997	727.59997	727.59997	11.55102	11.6	11.5	14.9625	15.3	14.7	39.76275	39.8441	39.67785	3.41148	3.7	3.2	22.87067	0.03698	22.86888	220424963	4010310	85
08/25/2017 07:14:08	16.67592	16.698	16.65951	727.64709	727.69995	727.59997	11.88143	12.1	11.8	15.60038	15.9	15.5	39.54372	39.67785	39.42849	3.71895	4	3.4	22.95387	0.04215	22.9525	220424963	4010310	85
08/25/2017 07:19:08	16.67592	16.698	16.65951	727.64709	727.69995	727.59997	11.88143	12.1	11.8	15.60038	15.9	15.5	39.54372	39.67785	39.42849	3.71895	4	3.4	23.03708	0.01596	23.03555	220424963	4010310	85
08/25/2017 07:24:08	16.6758	16.68762	16.65504	727.71276	727.79998	727.69995	12.40406	12.5	12.2	15.87982	16	15.7	39.34927	39.40077	39.26223	3.47575	3.8	3.2	23.12028	0.04459	23.11916	220424963	4010310	85
08/25/2017 07:29:08	16.6758	16.68762	16.65504	727.71276	727.79998	727.69995	12.40406	12.5	12.2	15.87982	16	15.7	39.34927	39.40077	39.26223	3.47575	3.8	3.2	23.20348	0.07413	23.20222	220424963	4010310	85
08/25/2017 07:34:08	16.67314	16.69261	16.65553	727.79998	727.79998	727.79998	12.68796	12.9	12.5	16.09735	16.3	15.9	39.33908	39.42849	39.26223	3.40938	3.4	3.1	23.28669	0.03706	23.28555	220424963	4010310	85
08/25/2017 07:39:08	16.67671	16.69027	16.65319	727.87841	727.89996	727.79998	12.90819	13.1	12.7	16.2	16.3	16.1	39.31953	39.37307	39.23452	3.2918	3.4	3.1	23.36989	0.05314	23.36888	220424963	4010310	85
08/25/2017 07:44:08	16.67542	16.70584	16.65717	727.97314	728.09997	727.79998	13.4209	13.6	13.3	16.5798	16.8	16.3	39.28135	39.37307	39.1514	3.1589	3.3	2.8	23.4531	0.05321	23.4525	220424963	4010310	85
08/25/2017 07:49:08	16.67542	16.70584	16.65717	727.97314	728.09997	727.79998	13.4209	13.6	13.3	16.5798	16.8	16.3	39.28135	39.37307	39.1514	3.1589	3.3	2.8	23.5363	0.03421	23.53555	220424963	4010310	85
08/25/2017 07:54:08	16.6773	16.69447	16.66088	728.06189	728.19995	727.89996	13.65629	13.9	13.5	16.84449	17.1	16.6	39.26624	39.40077	39.17911	3.1882	3.4	2.9	23.61951	0.04139	23.61888	220424963	4010310	85
08/25/2017 07:59:08	16.67684	16.6962	16.65635	728.01379	728.19995	728	14.05696	14.2	13.9	17.00284	17.4	16.8	39.2864	39.40077	39.1514	2.94588	3.3	2.7	23.70272	0.02096	23.7025	220424963	4010310	85
08/25/2017 08:04:08	16.67684	16.6962	16.65635	728.01379	728.19995	728	14.05696	14.2	13.9	17.00284	17.4	16.8	39.2864	39.40077	39.1514	2.94588	3.3	2.8	23.78592	0.04554	23.78583	220424963	4010310	85
08/25/2017 08:09:08	16.67537	16.70209	16.65331	728.13159	728.29998	728	14.29977	14.5	14.2	17.38387	17.7	17.2	39.27952	39.37307	39.1514	3.0841	3.3	2.8	23.86913	0.04189	23.86888	220424963	4010310	85
08/25/2017 08:14:08	16.67821	16.68958	16.65565	728.19995	728.19995	728.19995	14.80576	15.1	14.6	17.75269	18	17.5	39.21375	39.31765	39.1514	2.94693	3.1	2.69999	23.95233	0.02092	23.9525	220424963	4010310	85

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	1	
Source	D 12000	
Sampling Method	Event Bit	
Device	M 972	
	VRL3-PM10	

Date and Time	Qvol Avg	Qvol max	Qvol min	Pa Avg	Pa Max	Pa Min	Tfilter Avg	Tfilter Max	Tfilter Min	Tamb Avg	Tamb Max	Tamb Min	Press Avg	Press Max	Press Min	Tvar Avg	Tvar Max	Tvar Min	Flow Total	Flow CV	Sample Time	Filter ID	Site ID	Unit S/N
08/21/2017 18:15:43	0	0	0	763.3767	763.5	763.29998	17.76339	17.89999	17.59999	19.82343	20.1	19.7	0	0	0	2.06004	2.4	1.8	24.10331	0	24	2209	3	88
08/21/2017 18:20:43	0	0	0	740.33984	766.29998	733.29998	26.66719	26.89999	25.19999	17.25871	17.8	16.7	8.78177	9.55926	0	9.40848	9.89999	7.8	24.10331	0	24	2209	3	88
08/21/2017 18:25:43	0	0	0	733.20404	733.29998	733.20001	26.41947	26.59999	26.3	16.8309	17.2	16.4	9.15396	9.19905	9.06051	9.58856	9.99999	9.19999	24.10331	0	24	2209	3	88
08/21/2017 18:30:43	0	0	0	733.20001	733.20001	733.20001	25.98926	26.3	25.8	16.76369	17.2	16.4	9.17534	9.22676	9.06051	9.22556	9.69999	8.69999	24.10331	0	24	2209	3	88
08/21/2017 18:35:43	0	0	0	733.24798	733.29998	733.20001	25.82307	25.89999	25.69999	16.63761	17.1	16.4	118.71511	192.65373	9.08822	9.18546	9.4	8.79999	24.10389	0.05618	24	2209	3	88
08/21/2017 18:40:43	0.17456	18.32441	0	728.49493	728.5	728.39996	25.94483	26.19999	25.8	25.59661	25.7	25.3	9.50911	23.19159	9.22676	0.34821	0.69999	0.09999	24.10478	0	24	2209	3	88
08/21/2017 18:45:43	0.17456	18.32441	0	728.49493	728.5	728.39996	25.94483	26.19999	25.8	25.59661	25.7	25.3	9.50911	23.19159	9.22676	0.34821	0.69999	0.09999	24.10478	0	24	2209	3	88
08/21/2017 18:50:43	0	0	0	728.48285	728.5	728.39996	25.88992	25.99999	25.8	25.69264	26	25.1	9.46729	9.55926	9.28218	0.24429	0.79999	0	24.10478	0	24	2209	3	88
08/21/2017 18:55:43	0	0	0	728.49597	728.5	728.39996	25.91343	25.99999	25.8	25.31341	25.7	25	9.56707	9.58696	9.55926	0.60002	1.29999	0.59999	24.10478	0	24	2209	3	88
08/21/2017 19:00:43	0	0	0	728.5	728.5	728.5	25.89667	25.99999	25.8	24.82411	25.3	24.6	9.58547	9.61467	9.55926	1.07255	1.29999	0.59999	24.10478	0	24	2209	3	88
08/21/2017 19:05:43	0	0	0	728.5	728.5	728.5	25.83356	25.89999	25.8	24.7617	25.1	24.6	9.62155	9.72551	9.58696	1.07185	1.29999	0.69999	24.10478	0	24	2209	3	88
08/21/2017 19:10:43	0	0	0	728.47552	728.5	728.39996	25.76308	25.8	25.69999	24.36047	24.8	24	9.78965	9.89175	9.67009	1.40261	1.8	0.99999	24.10478	0	24	2209	3	88
08/21/2017 19:15:43	0	0	0	728.38958	728.39996	728.29998	25.5792	25.69999	25.39999	24.20405	24.4	24	9.88226	9.91946	9.75321	1.37514	1.59999	1.19999	24.10478	0	24	2209	3	88
08/21/2017 19:20:43	0	0	0	728.31207	728.39996	728.20001	25.35303	25.59999	25.3	23.90944	24.1	23.6	9.90793	10.03029	9.89175	1.44358	1.69999	1.19999	24.10478	0	24	2209	3	88
08/21/2017 19:25:43	0	0	0	728.39898	728.39996	728.29998	25.00942	25.19999	24.8	23.5564	23.9	23.4	10.04656	10.058	9.94717	1.45301	1.59999	1.19999	24.10478	0	24	2209	3	88
08/21/2017 19:30:43	0	0	0	728.39898	728.39996	728.29998	25.00942	25.19999	24.8	23.5564	23.9	23.4	10.04656	10.058	9.94717	1.45301	1.59999	1.19999	24.10478	0	24	2209	3	88
08/21/2017 19:35:43	0	0	0	728.45733	728.5	728.39996	24.75638	24.99999	24.69999	23.41074	23.6	23.3	10.05465	10.058	10.00259	1.34564	1.59999	1.19999	24.10478	0	24	2209	3	88
08/21/2017 19:40:43	0	0	0	728.38855	728.5	728.20001	24.5094	24.69999	24.39999	23.35638	23.5	23	10.0633	10.11341	10.058	1.15302	1.69999	0.99999	24.10478	0	24	2209	3	88
08/21/2017 19:45:43	0	0	0	728.23254	728.39996	728	24.33625	24.39999	24.09999	23.21611	23.4	23	10.14262	10.22425	10.058	1.12013	1.39999	0.79999	24.10478	0	24	2209	3	88
08/21/2017 19:50:43	0	0	0	728.47882	728.5	728.39996	23.88589	23.99999	23.8	22.94832	23.3	22.7	10.08513	10.19654	10.058	0.93756	1.19999	0.59999	24.10478	0	24	2209	3	88
08/21/2017 19:55:43	0	0	0	728.47882	728.5	728.39996	23.88589	23.99999	23.8	22.94832	23.3	22.7	10.08513	10.19654	10.058	0.93756	1.09999	0.69999	24.10478	0	24	2209	3	88
08/21/2017 20:00:43	0	0	0	728.44458	728.5	728.39996	23.69263	23.8	23.49999	22.76917	23	22.6	10.12655	10.22425	10.058	0.92346	1.09999	0.69999	24.10478	0	24	2209	3	88
08/21/2017 19:04:50	0	0	0	728.53149	728.59997	728.5	23.44967	23.49999	23.39999	22.55974	22.7	22.4	10.06469	10.14112	10.058	0.88992	1.09999	0.69999	24.10478	0	24	220424906	4030110	88
08/21/2017 19:09:50	0	0	0	728.59997	728.59997	728.59997	23.31741	23.39999	23.19999	22.44264	22.6	22.3	10.03724	10.11341	9.86404	0.87477	0.99999	0.69999	0.07929	0.00883	0.08027	220424906	4030110	88
08/21/2017 19:14:50	15.88917	16.70239	0	728.51525	728.59997	728.39996	22.89326	22.99999	22.8	22.3032	22.4	22.1	27.59607	28.70548	9.97488	0.59005	0.79999	0.39999	0.16267	0	0.16361	220424906	4030110	88
08/21/2017 19:19:50	16.67588	16.69305	16.65128	728.43554	728.5	728.39996	22.58524	22.8	22.39999	22.20605	22.4	22	28.73573	28.78861	28.62236	0.37919	0.59999	0.19999	0.24606	0.085	0.24694	220424906	4030110	88
08/21/2017 19:24:50	16.67818	16.70374	16.65514	728.44903	728.5	728.29998	22.23562	22.39999	21.99999	22.07649	22.2	22	28.80843	28.92715	28.70548	0.15912	0.3	0	0.32943	0.03809	0.33027	220424906	4030110	88
08/21/2017 19:29:50	16.67276	16.69313	16.63769	728.59594	728.59997	728.5	21.7396	21.99999	21.49999	21.84028	22	21.6	28.78434	28.87173	28.70548	0.13424	0.5	0	0.4128	0.04177	0.41388	220424906	4030110	88
08/21/2017 19:34:50	16.67276	16.69313	16.63769	728.59594	728.59997	728.5	21.7396	21.99999	21.49999	21.84028	22	21.6	28.78434	28.87173	28.70548	0.13424	0.5	0	0.49616	0	0.49694	220424906	4030110	88
08/21/2017 19:39:50	16.67526	16.68878	16.66139	728.4439	728.59997	728.20001	21.45706	21.49999	21.39999	21.57317	21.8	21.2	29.02628	29.14881	28.89944	0.14969	0.3	0	0.57954	0.0342	0.58055	220424906	4030110	88
08/21/2017 19:44:50	16.67526	16.68878	16.66139	728.4439	728.59997	728.20001	21.45706	21.49999	21.39999	21.57317	21.8	21.2	29.02628	29.14881	28.89944	0.14969	0.3	0	0.66291	0	0.66361	220424906	4030110	88
08/21/2017 19:49:50	16.67383	16.69008	16.6594	727.96978	728.09997	727.79998	21.09329	21.19999	20.99999	21.20346	21.4	21	29.21636	29.39818	29.06569	0.12357	0.3	0	0.74628	0.02941	0.74722	220424906	4030110	88
08/21/2017 19:54:50	16.67383	16.69008	16.6594	727.96978	728.09997	727.79998	21.09329	21.19999	20.99999	21.20346	21.4	21	29.21636	29.39818	29.06569	0.12357	0.39999	0	0.82965	0	0.83055	220424906	4030110	88
08/21/2017 19:59:50	16.67365	16.69139	16.65009	728.22302	728.5	727.89996	20.97315	21.09999	20.8	20.85237	21.1	20.6	29.22982	29.37048	29.0934	0.12079	0.39999	0	0.91303	0.03791	0.91361	220424906	4030110	88
08/21/2017 20:04:50	16.67612	16.69852	16.65486	728.41217	728.59997	728.09997	20.60875	20.8	20.49999	20.56714	20.8	20.4	29.24608	29.31506	29.14881	0.13562	0.39999	0	0.99641	0	0.99722	220424906	4030110	88
08/21/2017 20:09:50	16.67612	16.69852	16.65486	728.41217	728.59997	728.09997	20.60875	20.8	20.49999	20.56714	20.8	20.4	29.24608	29.31506	29.14881	0.13562	0.39999	0	1.07979	0	1.08027	220424906	4030110	88
08/21/2017 20:14:50	16.67592	16.69033	16.66084	728.24658	728.39996	728	20.2564	20.39999	20.19999	20.17586	20.3	20	29.31552	29.4536	29.20423	0.09396	0.19999	0	1.16317	0	1.16388	220424906	4030110	88
08/21/2017 20:19:50	16.67592	16.69033	16.66084	728.24658	728.39996	728	20.2564	20.39999	20.19999	20.17586	20.3	20	29.31552	29.4536	29.20423	0.09396	0.19999	0	1.24653	0.04628	1.24694	220424906	4030110	88
08/21/2017 20:24:50	16.67544	16.69145	16.65725	728.52349	728.59997	728.29998	19.82617	19.99999	19.69999	19.61609	19.8	19.4	29.3702	29.48131	29.23194	0.21008	0.39999	0	1.3299	0	1.33055	220424906	4030110	88
08/21/2017 20:29:50	16.67544	16.69145	16.65725	728.52349	728.59997	728.29998	19.82617	19.99999	19.69999	19.61609	19.8	19.4	29.3702	29.48131	29.23194	0.21008	0.39999	0	1.41327	0	1.41361	220424906	4030110	88
08/21/2017 20:34:50	16.67392	16.68311	16.65366	728.62347	728.70001	728.59997	19.70945	19.8	19.39999	19.32351	19.4	19.2	29.36457	29.50902	29.23194	0.38593	0.49999	0.09999	1.49663	0.04213	1.49694	220424906	4030110	88
08/21/2017 20:39:50	16.67175	16.6854	16.64898	728.70001	728.70001	728.70001	19.40147	19.69999	19.19999	19.27322	19.4	19.1	29.35811	29.48131	29.20423	0.12825	0.39999	0	1.57998	0	1.58027	220424906	4030110	88
08/21/2017 20:44:50	16.674	16.69472	16.66175	728.70605	728.79998	728.70001	19.03296	19.3	18.69999	18.78653	19	18.7	29.40334	29.56443	29.28735	0.26638	0.49999	0	1.66335	0.02561	1.66388	220424906	4030110	88
08/21/2017 20:49:50	16.674	16.69472	16.66175	728.70605	728.79998	728.70001	19.03296	19.3	18.69999	18.78653	19	18.7	29.40334	29.56443	29.28735	0.26638	0.49999	0	1.74673	0.00845	1.74694	220424906	4030110	88
08/21/2017 20:54:50	16.67448	16.69215	16.64865	728.73126	728.79998	728.70001	18.56578	18.69999	18.39999	18.55581	18.8	18.4	29.49459	29.61985	29.34277	0.08392	0.3	0	1.8301	0.03761	1.83055	220424906	4030110	88
08/21/2017 20:59:50	16.67448	16.69215	16.64865	728.73126	728.79998	728.70001	18.56578	18.69999	18.39999	18.55581	18.8	18.4	29.49459	29.61985	29.34277	0.08392	0.3	0	1.91347	0.00467	1.91361	220424906	4030110	88
08/21/2017 21:04:50	16.67623	16.69085	16.64628	728.72045	728.79998	728.70001	18.19865	18.39999	17.89999	18.34433	18.4	18.1	29.49091	29.61985	29.39818	0.19663	0.5	0	1.99685	0	1.99722	220424906	4030110	88
08/21/2017 21:09:50	16.67623	16.69085	16.64628	728.72045	728.79998	728.70001	18.19865	18.39999	17.89999	18.34433	18.4	18.1	29.49091	29.61985	29.39818	0.19663	0.5	0	2.08023	0.02114	2.08027	220424906	4030110	88
08/21/2017 21:14:50	16.67311	16.68123	16.64961	728.81744	728.89996	728.79998	17.87656	17.99999	17.8	18.09667	18.2	18	29.48547	29.61985	29.37048	0.22011	0.4	0.1	2.16359	0.00844	2.16388	220424906	4030110	88
08/21/2017 21:19:50	16.67311	16.68123	16.64961	728.81744	728.89996	728.79998	17.87656	17.99999	17.8	18.09667	18.2	18	29.48547	29.61985	29.37048	0.22011	0.4	0.1	2.24697	0.08358	2.24694	220424906	4030110	88
08/21/2017 21:24:50	16.67488	16.69176	16.64961	728.87481	728.89996	728.79998	17.73632	17.89999	17.49999	18.01946	18.1	17.9	29.5232	29.70297	29.37048	0.28313	0.6	0.1	2.33033	0	2.33027	220424906	4030110	88
08/21/2017 21:29:50	16.67416	16.69364	16.64783	728.82446	728.89996	728.79998	17.42685	17.49999	17.3	17.51613	17.6	17.3	29.65153	29.75839	29.53672	0.10264	0.2	0	2.4137	0	2.41388	220424906	4030110	88
08/21/2017 21:34:50	16.67416	16.69364	16.64783	728.82446	728.89996	728.79998	17.42685	17.49999	17.3	17.51613	17.6	17.3	29.65153	29.75839	29.53672	0.10264	0.2	0	2.4971	0.09616	2.49722	220424906	4030110	88
08/21/2017 21:39:50	16.67787	16.68988	16.6524	728.89795	728.89996	728.79998	17.28933	17.39999	17.19999	17.37987	17.4	17.3	29.69413	29.78609	29.56443	0.10396	0.2	0	2.58048	0.04863	2.58027	220424906	4030110	88
08/21/2017 21:44:50	16.67485	16.70039	16.6524	728.92144	729	728.79998	17.12621	17.19999	16.99999	17.29932	17.4	17	29.67872	29.75839	29.59214	0.17311	0.4	0	2.66385	0	2.66388	220424906	4030110	88
08/21/2017 21:49:50	16.67417	16.70711	16.65321	729.00201	729.09997	729	16.93962	16.99999	16.8	17.03218	17.3	16.9	29.69293	29.78609	29.53672	0.09929	0.4	0	2.74722	0	2.74694	220424906	4030110	88
08/21/2017 21:54:50	16.67361	16.69828	16.65992	729.06475	729.09997	729	16.67921	16.8	16.39999	16.78661	16.9	16.7	29.72313	29.78609	29.61985	0.1141	0.3	0	2.83059	0	2.83055	220424906	4030110	88
08/21/2017 21:59:50	16.67361	16.69828	16.65992	729.06475	729.09997	729	16.67921	16.8	16.39999	16.78661	16.9	16.7	29.72313	29.78609	29.61985	0.1141	0.3	0	2.91396	0.03735	2.91361	220424906	4030110	88
08/21/2017 22:04:50	16.67573	16.70132	16.6585	729.08184	729.09997	729	16.46252	16.69999	16.3	16.58952	16.7	16.4	29.73208	29.89693	29.64756	0.12699	0.4	0	2.99736	0.03735	2.99722	220424906	4030110	88
08/21/2017 22:09:50	16.67677	16.70132	16.65705	729.06872	729.09997	729	16.27651	16.39999	16.19999	16.42342	16.6	16.3	29.73292	29.84151	29.67527	0.14691	0.4	0	3.08075	0.03734	3.08027	220424906	4030110	88
08/21/2017 22:14:50	16.67339	16.69297	16.66157	729.09997	729.09997	729.09997	16.05635	16.09999	15.8	16.32283	16.4	16.3	29.75356	29.92464	29.67527	0.26647	0.5	0.2	3.16411	0	3.16388	220424906	4030110	88
08/21/2017 22:19:50	16.67217	16.69297	16.66157	729.09997	729.09997	729.09997	15.85024	16.09999	15.8	16.3	16.3	16.3	29.82328	30.03547	29.70297	0.44975	0.5	0.2	3.24746	0	3.24722	220424906	4030110	88
08/21/2017 22:24:50	16.67217	16.69297	16.66157	729.09997	729.09997	729.09997	15.85024	16.09999	15.8	16.3	16.3	16.3	29.82328	30.03547	29.70297	0.44975	0.5	0.2	3.33083	0	3.33027	220424906	4030110	88
08/21/2017 22:29:50	16.67401	16.6825	16.65919	729.17883	729.20001	729.09997	15.72618	15.8	15.59999	16.2832	16.3	16.2	29.79588	30.09088	29.59214	0.55701	0.6	0.4	3.41422	0.03733	3.41388	220424906	4030110	88
08/21/2017 22:34:50	16.67481	16.68013	16.65919	729.20001	729.20001	729.20001	15.60606	15.69999	15.49999	16.29664	16.3	16.2	29.82482	30.00776	29.67527	0.69058	0.8	0.5	3.4976	0.03732	3.49694	220424906	4030110	88
08/21/2017 22:39:50	16.67504	16.6906	16.66133	729.22546	729.29998	729.20001	15.51682	15.69999	15.39999	16.28723	16.3	16.2	29.91944	30.06318	29.73068	0.77041	0.9	0.6	3.581	0	3.58027	220424906	4030110	88
08/21/2017 22:44:50	16.6768	16.6942	16.66133	729.29998	729.29998	729.29998	15.47315	15.49999	15.39999	16.31676	16.4	16.2	29.73752	29.95235	29.64756	0.8436	1	0.7	3.66439	0	3.66361	220424906	4030110	88
08/21/2017 22:49:50	16.67471	16.69857	16.65972	729.29998	729.29998	729.29998	15.35299	15.39999	15.19999	16.81468	17	16.6	29.76043	29.89693	29.67527	1.46169	1.8	1.2	3.74777	0.07476	3.74722	220424906	4030110	88
08/21/2017 22:54:50	16.67471	16.69857	16.65972	729.29998	729.29998	729.29998	15.35299	15.39999	15.19999	16.81468	17	16.6	29.76043	29.89693	29.67527	1.46169	2.2	1.6	3.83116	0	3.83027	220424906	4030110	88
08/21/2017 22:59:50	16.67695	16.69545	16.66158	729.31005	729.39996	729.29998	15.31941	15.39999	15.19999	17.17452	17.4	17	29.70339	29.8138	29.59214	1.85511	2.2	1.6	3.91453	0.03749	3.91361	220424906	4030110	88
08/21/2017 23:04:50	16.67535	16.69327	16.65344	729.24231	729.29998	729.20001	15.39327	15.39999	15.19999	17.34424	17.5	17.2	29.86624	30.06318	29.67527	1.95097	2.2	1.8	3.99789	0	3.99694	220424906	4030110	88
08/21/2017 23:09:50	16.67614	16.68732	16.65581	729.21539	729.29998	729.20001	15.41346	15.49999	15.19999	17.31008	17.4	17.3	29.98331	30.11859	29.78609	1.89661	2.1	1.8	4.08124	0.02121	4.08027	220424906	4030110	88
08/21/2017 23:14:50	16.67668	16.69782	16.6566	729.26178	729.29998	729.20001	15.51008	15.59999	15.39999	17.1947	17.4	17	30.01392	30.09088	29.75839	1.68462	1.9	1.4	4.16463	0.0374	4.16388	220424906	4030110	88
08/21/2017 23:19:50	16.67668	16.69782	16.6566	729.26178	729.29998	729.20001	15.51008	15.59999	15.39999	17.1947	17.4	17	30.01392	30.09088	29.75839	1.68462	1.9	1.4	4.24801	0	4.24694	220424906	4030110	88

08/21/2017 23:24:50	16.67669	16.70736	16.66394	729.31305	729.39996	729.29998	15.52617	15.69999	15.49999	17.26846	17.5	17	29.97575	30.09088	29.8138	1.74229	2	1.3	4.33138	0	4.33027	220424906	4030110	88
08/21/2017 23:29:50	16.67471	16.7	16.6566	729.29998	729.29998	729.29998	15.57376	15.69999	15.49999	17.09746	17.5	16.8	30.02189	30.09088	29.84151	1.5237	2	1.1	4.41473	0.03735	4.41361	220424906	4030110	88
08/21/2017 23:34:50	16.67336	16.68823	16.65446	729.35638	729.39996	729.29998	15.60941	15.69999	15.49999	16.3665	16.4	16.3	30.05841	30.1463	29.98005	0.75709	0.9	0.6	4.49808	0.02448	4.49722	220424906	4030110	88
08/21/2017 23:39:50	16.67408	16.68823	16.65896	729.32415	729.39996	729.29998	15.60338	15.69999	15.49999	16.36312	16.6	16.2	30.05525	30.11859	29.98005	0.75973	1	0.6	4.58144	0.02886	4.58055	220424906	4030110	88
08/21/2017 23:44:50	16.67408	16.68823	16.65896	729.32415	729.39996	729.29998	15.60338	15.69999	15.49999	16.36312	16.6	16.2	30.05525	30.11859	29.98005	0.75973	0.8	0.5	4.66482	0.01602	4.66361	220424906	4030110	88
08/21/2017 23:49:50	16.67656	16.69632	16.66346	729.39795	729.39996	729.29998	15.53022	15.69999	15.49999	16.23622	16.3	16.1	30.06547	30.17401	29.98005	0.706	0.8	0.5	4.74818	0.02127	4.74694	220424906	4030110	88
08/21/2017 23:54:50	16.67659	16.68586	16.6485	729.39996	729.39996	729.39996	15.44632	15.49999	15.39999	16.21267	16.3	16.1	30.07061	30.1463	29.98005	0.76635	0.9	0.6	4.83156	0.01602	4.83055	220424906	4030110	88
08/21/2017 23:59:50	16.67659	16.68586	16.6485	729.39996	729.39996	729.39996	15.44632	15.49999	15.39999	16.21267	16.3	16.1	30.07061	30.1463	29.98005	0.76635	0.9	0.6	4.91494	0.02127	4.91361	220424906	4030110	88
08/22/2017 00:04:50	16.6762	16.68823	16.65536	729.29998	729.29998	729.29998	15.35312	15.39999	15.19999	16.21271	16.3	16.1	30.22313	30.34026	30.09088	0.85959	1.1	0.7	4.99832	0.03732	4.99722	220424906	4030110	88
08/22/2017 00:09:50	16.6762	16.68823	16.65536	729.29998	729.29998	729.29998	15.35312	15.39999	15.19999	16.21271	16.3	16.1	30.22313	30.34026	30.09088	0.85959	1.1	0.7	5.08169	0.05858	5.08027	220424906	4030110	88
08/22/2017 00:14:50	16.67496	16.69869	16.64491	729.34661	729.39996	729.29998	15.14699	15.19999	15.09999	16.14699	16.3	16.1	30.20897	30.34026	30.09088	0.99999	1.2	0.9	5.16506	0.0053	5.16388	220424906	4030110	88
08/22/2017 00:19:50	16.67496	16.69869	16.64491	729.34661	729.39996	729.29998	15.14699	15.19999	15.09999	16.14699	16.3	16.1	30.20897	30.34026	30.09088	0.99999	1.2	0.9	5.24843	0.02129	5.24694	220424906	4030110	88
08/22/2017 00:24:50	16.67576	16.69632	16.653	729.39996	729.39996	729.39996	15.11073	15.19999	14.99999	16.16984	16.3	16.1	30.23844	30.34026	30.1463	1.0591	1.2	0.9	5.3318	0.07463	5.33027	220424906	4030110	88
08/22/2017 00:29:50	16.67429	16.69632	16.653	729.39996	729.39996	729.39996	15.08993	15.09999	14.89999	16.13554	16.3	16.1	30.22596	30.36797	30.03547	1.0456	1.2	1	5.41516	0	5.41388	220424906	4030110	88
08/22/2017 00:34:50	16.67429	16.69632	16.653	729.39996	729.39996	729.39996	15.08993	15.09999	14.89999	16.13554	16.3	16.1	30.22596	30.36797	30.03547	1.0456	1.2	1	5.49852	0.03726	5.49694	220424906	4030110	88
08/22/2017 00:39:50	16.67468	16.68885	16.65003	729.39996	729.39996	729.39996	15.03288	15.09999	14.89999	15.80544	16	15.6	30.31888	30.42338	30.17401	0.77256	1	0.5	5.58189	0.0159	5.58055	220424906	4030110	88
08/22/2017 00:44:50	16.67468	16.68885	16.65003	729.39996	729.39996	729.39996	15.03288	15.09999	14.89999	15.80544	16	15.6	30.31888	30.42338	30.17401	0.77256	1	0.5	5.66524	0.02134	5.66388	220424906	4030110	88
08/22/2017 00:49:50	16.67455	16.70069	16.65143	729.39996	729.39996	729.39996	14.99267	15.09999	14.89999	15.43284	15.5	15.2	30.3579	30.42338	30.25713	0.44017	0.6	0.1	5.74862	0	5.74694	220424906	4030110	88
08/22/2017 00:54:50	16.67746	16.69026	16.65449	729.39996	729.39996	729.39996	14.92552	15.09999	14.89999	15.49329	15.6	15.4	30.36675	30.42338	30.28484	0.56777	0.7	0.4	5.83197	0.02136	5.83027	220424906	4030110	88
08/22/2017 00:59:50	16.67532	16.70513	16.64851	729.39996	729.39996	729.39996	14.85971	15.09999	14.8	15.40628	15.6	15.1	30.36614	30.45109	30.31255	0.54657	0.8	0.2	5.91534	0.05288	5.91361	220424906	4030110	88
08/22/2017 01:04:50	16.67566	16.69156	16.65873	729.38153	729.39996	729.29998	14.64573	14.8	14.49999	14.83974	15	14.6	30.44222	30.53421	30.31255	0.19401	0.4	0	5.9987	0.0428	5.99722	220424906	4030110	88
08/22/2017 01:09:50	16.67566	16.69156	16.65873	729.38153	729.39996	729.29998	14.64573	14.8	14.49999	14.83974	15	14.6	30.44222	30.53421	30.31255	0.19401	0.4	0	6.08205	0.04279	6.08027	220424906	4030110	88
08/22/2017 01:14:50	16.67395	16.68429	16.66188	729.20001	729.20001	729.20001	14.41945	14.49999	14.39999	14.7698	14.9	14.6	30.52257	30.58963	30.45109	0.35035	0.5	0.2	6.1654	0.07421	6.16388	220424906	4030110	88
08/22/2017 01:19:50	16.67359	16.6931	16.66188	729.22015	729.29998	729.20001	14.32282	14.39999	14.19999	14.61342	14.8	14.6	30.53058	30.58963	30.45109	0.2906	0.6	0.2	6.24875	0	6.24722	220424906	4030110	88
08/22/2017 01:24:50	16.67359	16.6931	16.66188	729.22015	729.29998	729.20001	14.32282	14.39999	14.19999	14.61342	14.8	14.6	30.53058	30.58963	30.45109	0.2906	0.6	0.2	6.33209	0.07427	6.33027	220424906	4030110	88
08/22/2017 01:29:50	16.67206	16.6947	16.64107	729.20001	729.20001	729.20001	14.22689	14.29999	14.19999	14.66716	14.8	14.6	30.54707	30.64505	30.45109	0.44027	0.6	0.3	6.41543	0.03713	6.41361	220424906	4030110	88
08/22/2017 01:34:50	16.67429	16.69708	16.65147	729.17358	729.20001	729.09997	14.02014	14.19999	13.89999	14.77999	14.8	14.6	30.67145	30.78358	30.56192	0.75984	0.9	0.4	6.49879	0.07992	6.49722	220424906	4030110	88
08/22/2017 01:39:50	16.67429	16.69708	16.65147	729.17358	729.20001	729.09997	14.02014	14.19999	13.89999	14.77999	14.8	14.6	30.67145	30.78358	30.56192	0.75984	0.9	0.4	6.58215	0.07425	6.58027	220424906	4030110	88
08/22/2017 01:44:50	16.67497	16.69547	16.64185	729.09997	729.09997	729.09997	13.90408	13.99999	13.79999	14.55303	14.6	14.4	30.76239	30.86671	30.64505	0.64894	0.8	0.4	6.66553	0	6.66388	220424906	4030110	88
08/22/2017 01:49:50	16.67497	16.69547	16.64185	729.09997	729.09997	729.09997	13.90408	13.99999	13.79999	14.55303	14.6	14.4	30.76239	30.86671	30.64505	0.64894	0.8	0.5	6.74891	0.00846	6.74722	220424906	4030110	88
08/22/2017 01:54:50	16.675	16.6931	16.64548	729.13623	729.20001	729.09997	13.82018	13.99999	13.79999	14.55041	14.6	14.4	30.75761	30.86671	30.64505	0.73022	0.8	0.5	6.83228	0	6.83027	220424906	4030110	88
08/22/2017 01:59:50	16.67577	16.69547	16.64784	729.10498	729.20001	729.09997	13.80335	13.89999	13.79999	14.4832	14.6	14.4	30.80307	30.86671	30.70046	0.67985	0.8	0.5	6.91567	0.03139	6.91361	220424906	4030110	88
08/22/2017 02:04:50	16.67484	16.69986	16.65225	729.09997	729.09997	729.09997	13.72692	13.79999	13.59999	14.46576	14.6	14.4	30.83968	30.92212	30.72817	0.73883	0.9	0.6	6.99904	0.07417	6.99722	220424906	4030110	88
08/22/2017 02:09:50	16.67484	16.69986	16.65225	729.09997	729.09997	729.09997	13.72692	13.79999	13.59999	14.46576	14.6	14.4	30.83968	30.92212	30.72817	0.73883	0.9	0.6	7.08242	0.03711	7.08027	220424906	4030110	88
08/22/2017 02:14:50	16.67557	16.70749	16.66425	729.09997	729.09997	729.09997	13.62687	13.79999	13.59999	14.71408	14.8	14.6	30.83777	30.89442	30.75587	1.0872	1.2	0.9	7.16579	0	7.16388	220424906	4030110	88
08/22/2017 02:19:50	16.67557	16.70749	16.66425	729.09997	729.09997	729.09997	13.62687	13.79999	13.59999	14.71408	14.8	14.6	30.83777	30.89442	30.75587	1.0872	1.2	0.9	7.24915	0.03154	7.24694	220424906	4030110	88
08/22/2017 02:24:50	16.67558	16.68825	16.65099	729.09997	729.09997	729.09997	13.62353	13.79999	13.59999	14.85159	15	14.6	30.83537	30.89442	30.78358	1.22805	1.4	1	7.3325	0.03714	7.33027	220424906	4030110	88
08/22/2017 02:29:50	16.67479	16.68825	16.66141	729.09997	729.09997	729.09997	13.62686	13.79999	13.59999	14.93417	15	14.8	30.84318	30.92212	30.78358	1.30731	1.4	1.1	7.41586	0.03717	7.41388	220424906	4030110	88
08/22/2017 02:34:50	16.67479	16.68825	16.66141	729.09997	729.09997	729.09997	13.62686	13.79999	13.59999	14.93417	15	14.8	30.84318	30.92212	30.78358	1.30731	1.4	1.1	7.49924	0	7.49694	220424906	4030110	88
08/22/2017 02:39:50	16.67667	16.68825	16.65698	729.09997	729.09997	729.09997	13.64357	13.79999	13.59999	14.98657	15.1	14.9	30.83734	30.97754	30.75587	1.34299	1.5	1.1	7.58262	0.03715	7.58027	220424906	4030110	88
08/22/2017 02:44:50	16.67646	16.68588	16.65904	729.19494	729.20001	729.09997	13.72677	13.79999	13.59999	14.93302	15	14.8	30.8377	30.92212	30.78358	1.20625	1.4	1	7.66599	0.05853	7.66388	220424906	4030110	88
08/22/2017 02:49:50	16.67646	16.68588	16.65904	729.19494	729.20001	729.09997	13.72677	13.79999	13.59999	14.93302	15	14.8	30.8377	30.92212	30.78358	1.20625	1.3	1	7.74936	0.03713	7.74722	220424906	4030110	88
08/22/2017 02:54:50	16.67732	16.70512	16.66346	729.19098	729.20001	729.09997	13.72024	13.79999	13.59999	14.88992	15	14.8	30.84347	30.92212	30.75587	1.16968	1.3	1	7.83272	0	7.83027	220424906	4030110	88
08/22/2017 02:59:50	16.67549	16.69267	16.66346	729.13324	729.20001	729.09997	13.75104	13.79999	13.59999	14.92282	15	14.8	30.86685	30.94983	30.78358	1.17178	1.4	1	7.91609	0.03717	7.91361	220424906	4030110	88
08/22/2017 03:04:50	16.677	16.69425	16.65698	729.10199	729.20001	729.09997	13.78322	13.79999	13.69999	15.00337	15.1	14.9	30.88304	30.97754	30.78358	1.22014	1.3	1.1	7.99945	0.02138	7.99722	220424906	4030110	88
08/22/2017 03:09:50	16.677	16.69425	16.65698	729.10199	729.20001	729.09997	13.78322	13.79999	13.69999	15.00337	15.1	14.9	30.88304	30.97754	30.78358	1.22014	1.3	1.1	8.08283	0	8.08027	220424906	4030110	88
08/22/2017 03:14:50	16.67593	16.69425	16.65462	729.14355	729.20001	729.09997	13.77313	13.79999	13.59999	15.01007	15.1	14.9	30.91145	31.06066	30.81129	1.23693	1.4	1.1	8.16621	0.03715	8.16361	220424906	4030110	88
08/22/2017 03:19:50	16.67476	16.68588	16.65462	729.22345	729.29998	729.20001	13.78991	13.79999	13.69999	15.00335	15.1	14.9	30.84413	30.92212	30.78358	1.21344	1.3	1.1	8.24962	0	8.24722	220424906	4030110	88
08/22/2017 03:24:50	16.67476	16.68588	16.65462	729.22345	729.29998	729.20001	13.78991	13.79999	13.69999	15.00335	15.1	14.9	30.84413	30.92212	30.78358	1.21344	1.3	1.1	8.33305	0	8.33027	220424906	4030110	88
08/22/2017 03:29:50	16.67403	16.68792	16.65069	729.29998	729.29998	729.29998	13.80335	13.89999	13.79999	14.93632	15	14.8	30.83896	30.89442	30.75587	1.13297	1.2	1	8.4165	0.03711	8.41361	220424906	4030110	88
08/22/2017 03:34:50	16.67527	16.69073	16.65951	729.29998	729.29998	729.29998	13.79663	13.89999	13.69999	14.62885	14.9	14.6	30.86404	30.94983	30.78358	0.83221	1.1	0.7	8.49995	0.03712	8.49722	220424906	4030110	88
08/22/2017 03:39:50	16.67527	16.69073	16.65951	729.29998	729.29998	729.29998	13.79663	13.89999	13.69999	14.62885	14.9	14.6	30.86404	30.94983	30.78358	0.83221	1.1	0.8	8.58341	0	8.58055	220424906	4030110	88
08/22/2017 03:44:50	16.67459	16.70275	16.65951	729.29901	729.29998	729.20001	13.8	13.89999	13.69999	14.72748	14.8	14.6	30.85789	30.97754	30.78358	0.92747	1.1	0.8	8.66687	0.03709	8.66361	220424906	4030110	88
08/22/2017 03:49:50	16.67393	16.70275	16.64911	729.29998	729.29998	729.29998	13.79002	13.79999	13.69999	14.72631	14.8	14.6	30.85865	30.97754	30.78358	0.93629	1.1	0.8	8.75031	0.04278	8.74694	220424906	4030110	88
08/22/2017 03:54:50	16.67389	16.69834	16.65951	729.29998	729.29998	729.29998	13.76248	13.89999	13.59999	14.82351	14.9	14.6	30.8806	30.97754	30.81129	1.06103	1.3	0.8	8.83372	0.05852	8.83055	220424906	4030110	88
08/22/2017 03:59:50	16.67389	16.69834	16.65951	729.29998	729.29998	729.29998	13.76248	13.89999	13.59999	14.82351	14.9	14.6	30.8806	30.97754	30.81129	1.06103	1.3	1	8.91712	0.02139	8.91361	220424906	4030110	88
08/22/2017 04:04:50	16.67227	16.68792	16.6611	729.29998	729.29998	729.29998	13.73626	13.79999	13.59999	14.81275	14.9	14.8	30.95735	31.03295	30.86671	1.07648	1.3	1	9.00054	0.0743	8.99694	220424906	4030110	88
08/22/2017 04:09:50	16.67684	16.6963	16.65904	729.20001	729.20001	729.20001	13.72944	13.79999	13.59999	14.94633	15	14.8	31.03499	31.17149	30.92212	1.21688	1.3	1.1	9.08394	0.05853	9.08055	220424906	4030110	88
08/22/2017 04:14:50	16.67684	16.6963	16.65904	729.20001	729.20001	729.20001	13.72944	13.79999	13.59999	14.94633	15	14.8	31.03499	31.17149	30.92212	1.21688	1.4	1.1	9.16735	0.01575	9.16361	220424906	4030110	88
08/22/2017 04:19:50	16.6765	16.6963	16.65904	729.20001	729.20001	729.20001	13.72949	13.79999	13.59999	14.94627	15	14.9	31.05855	31.14379	30.92212	1.21678	1.4	1.1	9.25079	0	9.24694	220424906	4030110	88
08/22/2017 04:24:50	16.67396	16.69393	16.65668	729.28283	729.29998	729.20001	13.7409	13.79999	13.59999	14.98657	15	14.9	30.96707	31.14379	30.81129	1.24567	1.4	1.1	9.33422	0	9.33027	220424906	4030110	88
08/22/2017 04:29:50	16.67497	16.69393	16.65018	729.24835	729.29998	729.20001	13.78321	13.79999	13.59999	15.04368	15.1	15	30.98944	31.06066	30.86671	1.26046	1.5	1.2	9.41763	0.02137	9.41361	220424906	4030110	88
08/22/2017 04:34:50	16.67337	16.6903	16.65462	729.20001	729.20001	729.20001	13.78657	13.79999	13.59999	15.033	15.1	14.9	31.04282	31.14379	30.92212	1.24642	1.5	1.1	9.50105	0	9.49694	220424906	4030110	88
08/22/2017 04:39:50	16.67464	16.70789	16.65791	729.26269	729.29998	729.20001	13.79001	13.79999	13.69999	14.57313	14.6	14.4	31.10735	31.1992	30.97754	0.78312	0.9	0.6	9.58451	0	9.58055	220424906	4030110	88
08/22/2017 04:44:50	16.67464	16.70789	16.65791	729.26269	729.29998	729.20001	13.79001	13.79999	13.69999	14.57313	14.6	14.4	31.10735	31.1992	30.97754	0.78312	0.8	0.4	9.66789	0.04419	9.66388	220424906	4030110	88
08/22/2017 04:49:50	16.67555	16.70188	16.65191	729.28259	729.29998	729.20001	13.78665	13.79999	13.69999	14.39542	14.6	14.2	31.11017	31.1992	30.94983	0.60876	0.8	0.4	9.75128	0.07403	9.74694	220424906	4030110	88
08/22/2017 04:54:50	16.67508	16.70388	16.64429	729.26873	729.29998	729.20001	13.74761	13.79999	13.59999	14.18608	14.4	14	31.14649	31.22691	31.03295	0.43847	0.7	0.2	9.83467	0	9.83027	220424906	4030110	88
08/22/2017 04:59:50	16.67533	16.69786	16.64429	729.29998	729.29998	729.29998	13.68732	13.79999	13.59999	14.01207	14.2	14	31.15503	31.22691	31.08837	0.32475	0.6	0.3	9.91806	0.11109	9.91361	220424906	4030110	88
08/22/2017 05:04:50	16.67625	16.6962	16.65467	729.29998	729.29998	729.29998	13.47929	13.59999	13.39999	13.96987	14	13.9	31.15231	31.25462	31.03295	0.49058	0.6	0.3	10.00144	0.07403	9.99722	220424906	4030110	88
08/22/2017 05:09:50	16.67625	16.6962	16.65467	729.29998	729.29998	729.29998	13.47929	13.59999	13.39999	13.96987	14	13.9	31.15231	31.25462	31.03295	0.49058	0.6	0.4	10.08483	0.05254	10.08055	220424906	4030110	88
08/22/2017 05:14:50	16.67506	16.6962	16.65066	729.35461	729.39996	729.29998	13.40202	13.59999	13.29999	13.95309	14	13.8	31.12148	31.22691	31.00525	0.55107	0.6	0.4	10.16822	0	10.16361	220424906	4030110	88
08/22/2017 05:19:50	16.67471	16.70056	16.65904	729.33752	729.39996	729.29998	13.31007	13.39999	13.19999	13.98992	14	13.9	31.09958	31.1992	30.97754	0.67985	0.8	0.6	10.25161	0.03702	10.24722	220424906	4030110	88
08/22/2017 05:24:50	16.67471	16.70056	16.65904	729.33752	729.39996	729.29998	13.31007	13.39999	13.19999	13.98992	14	13.9	31.09958	31.1992	30.97754	0.67985	1.1	0.7	10.33503	0.02142	10.33027	220424906	4030110	88
08/22/2017 05:29:50	16.67316	16.70151	16.65231	729.39892	729.39996	729.29998	13.2563	13.39999	13.19999	14.19464	14.3	14	31.11394	31.22691	30.94983	0.93834	1.1	0.7	10.41848	0	10.41361	220424906	4030110	88
08/22/2017 05:34:50	16.67319	16.68674	16.65393	729.39489	729.39996	729.29998	13.21611	13.29999	13.09999	14.2805	14.4	14	31.1421	31.22691	31.06066	1.06438	1.1	1	10.50192	0.00844	10.49722	220424906	4030110	88
08/22/2017 05:39:50	16.67268	16.68674	16.64954	729.38867	729.39996	729.29998	13.2235	13.29999	13.19999	14.30335	14.4	14.2	31.10693	31.1992	30.97754	1.07985	1.1	1	10.58536	0.03705	10.58027	220424906	4030110	88
08/22/2017 05:44:50	16.67362	16.68674	16.65994	729.41229	729.5	729.39996	13.21947	13.29999	13.19999	14.32622	14.4	14.2	31.12081	31.22691	31.00525	1.10675	1.2	1	10.66881	0	10.66388	220424906	4030110	88
08/22/2017 05:49:50	16.67362	16.68674	16.65994	729.41229	729.5	729.39996	13.21947	13.29999	13.19999	14.32622	14.4	14.2	31.12081	31.22691	31.00525	1.10675	1.2	1	10.75222	0.03701	10.74694	220424906	4030110	88
08/22/2017 05:54:50	16.67242	16.69914	16.65431	729.5	729.5	729.5	13.23693	13.29999	13.19999	14.0852	14.3	13.9	31.14153	31.25462	31.03295	0.84827	1.1	0.6	10.83561	0.07404	10.83027	220424906	4030110	88
08/22/2017 05:59:50	16.6709	16.69312	16.66032	729.49395	729.5	729.39996	13.23024	13.29999	13.19999	14.03357	14.2	14	31.16857	31.28233	31.08837	0.80333	1	0.7	10.919	0	10.91361	220424906	4030110	88
08/22/2017 06:04:50	16.6731	16.69818	16.65066	729.40503	729.5	729.39996	13.20335	13.29999	13.19999	13.83345	14	13.8	31.22328	31.33775	31.11608	0.6301	0.8	0.5	11.0024	0.02853	10.99722	220424906	4030110	88
08/22/2017 06:09:50	16.6731	16.69818	16.65066	729.40503	729.5	729.39996	13.20335	13.29999	13.19999	13.83345	14	13.8	31.22328	31.33775	31.11608	0.6301	0.8	0.6	11.0858	0.05846	11.08027	220424906	4030110	88
08/22/2017 06:14:50	16.6758	16.70184	16.65867	729.48382	729.5	729.39996	13.19664	13.19999	13.09999	13.88667	14	13.8	31.21406	31.31004	31.11608	0.69003	0.8	0.6	11.16922	0	11.16361	220424906	4030110	88

08/22/2017 06:19:50	16.67655	16.69947	16.65795	729.58282	729.59997	729.5	13.16305	13.19999	13.09999	13.99329	14	13.9	31.10404	31.25462	31.00525	0.83024	0.9	0.7	11.25268	0	11.24722	220424906	4030110	88
08/22/2017 06:24:50	16.67655	16.69947	16.65795	729.58282	729.59997	729.5	13.16305	13.19999	13.09999	13.99329	14	13.9	31.10404	31.25462	31.00525	0.83024	0.9	0.7	11.33611	0.11095	11.33027	220424906	4030110	88
08/22/2017 06:29:50	16.67486	16.69947	16.66232	729.59997	729.59997	729.59997	13.1235	13.19999	13.09999	13.93358	14	13.9	31.04694	31.1992	30.94983	0.81007	0.9	0.7	11.41957	0.05843	11.41388	220424906	4030110	88
08/22/2017 06:34:50	16.67486	16.69947	16.66232	729.59997	729.59997	729.59997	13.1235	13.19999	13.09999	13.93358	14	13.9	31.04694	31.1992	30.94983	0.81007	0.9	0.7	11.50306	0	11.49694	220424906	4030110	88
08/22/2017 06:39:50	16.67479	16.68909	16.66597	729.67175	729.70001	729.59997	13.13011	13.19999	13.09999	13.96304	14	13.9	31.01296	31.06066	30.94983	0.83293	0.9	0.7	11.58654	0.0429	11.58027	220424906	4030110	88
08/22/2017 06:44:50	16.67676	16.69439	16.64521	729.70001	729.70001	729.70001	13.1429	13.19999	13.09999	14.03335	14.3	13.9	31.01623	31.11608	30.94983	0.89044	1.2	0.8	11.66998	0	11.66361	220424906	4030110	88
08/22/2017 06:49:50	16.67593	16.69676	16.64758	729.68591	729.70001	729.59997	13.15633	13.19999	13.09999	14.09199	14.3	14	31.09272	31.17149	30.97754	0.93565	1.2	0.8	11.75341	0.03702	11.74694	220424906	4030110	88
08/22/2017 06:54:50	16.67519	16.69002	16.65559	729.70001	729.70001	729.70001	13.21331	13.29999	13.19999	14.27853	14.4	14	31.02877	31.14379	30.94983	1.06522	1.2	0.8	11.83683	0.07408	11.83055	220424906	4030110	88
08/22/2017 06:59:50	16.67519	16.69002	16.65559	729.70001	729.70001	729.70001	13.21331	13.29999	13.19999	14.27853	14.4	14	31.02877	31.14379	30.94983	1.06522	1.2	0.8	11.92026	0	11.91361	220424906	4030110	88
08/22/2017 07:04:50	16.67589	16.69002	16.65284	729.70001	729.70001	729.70001	13.26644	13.39999	13.19999	14.34357	14.4	14.3	31.0606	31.17149	30.97754	1.07713	1.2	1	12.00373	0	11.99694	220424906	4030110	88
08/22/2017 07:09:50	16.67836	16.69002	16.66484	729.7113	729.79998	729.70001	13.36034	13.39999	13.29999	14.41007	14.5	14.3	31.0674	31.1992	30.92212	1.04973	1.1	0.8	12.08715	0	12.08027	220424906	4030110	88
08/22/2017 07:14:50	16.67536	16.69804	16.65648	729.79998	729.79998	729.79998	13.57111	13.69999	13.39999	14.48991	14.6	14.4	31.01278	31.14379	30.839	0.91879	1.1	0.7	12.1706	0.02142	12.16388	220424906	4030110	88
08/22/2017 07:19:50	16.67536	16.69804	16.65648	729.79998	729.79998	729.79998	13.57111	13.69999	13.39999	14.48991	14.6	14.4	31.01278	31.14379	30.839	0.91879	1.1	0.7	12.25401	0.0214	12.24694	220424906	4030110	88
08/22/2017 07:24:50	16.67554	16.69968	16.65411	729.87274	729.89996	729.79998	13.7637	13.79999	13.59999	14.55702	14.6	14.4	30.90722	31.00525	30.81129	0.79331	1	0.6	12.33738	0.07414	12.33055	220424906	4030110	88
08/22/2017 07:29:50	16.67554	16.69968	16.65411	729.87274	729.89996	729.79998	13.7637	13.79999	13.59999	14.55702	14.6	14.4	30.90722	31.00525	30.81129	0.79331	1	0.6	12.42076	0.0286	12.41361	220424906	4030110	88
08/22/2017 07:34:50	16.67646	16.69893	16.65336	729.90319	730	729.89996	13.80672	13.89999	13.79999	14.6336	14.8	14.5	30.9076	31.03295	30.78358	0.82688	1	0.6	12.50416	0	12.49694	220424906	4030110	88
08/22/2017 07:39:50	16.67492	16.69655	16.65336	729.98993	730	729.89996	13.9765	13.99999	13.89999	14.70916	14.9	14.4	30.85445	30.97754	30.78358	0.73266	1	0.4	12.58756	0.07413	12.58055	220424906	4030110	88
08/22/2017 07:44:50	16.67492	16.69655	16.65336	729.98993	730	729.89996	13.9765	13.99999	13.89999	14.70916	14.9	14.4	30.85445	30.97754	30.78358	0.73266	1	0.4	12.67097	0.00575	12.66361	220424906	4030110	88
08/22/2017 07:49:50	16.67411	16.68616	16.64296	730	730	730	14.16776	14.19999	13.99999	14.61341	14.8	14.6	30.85077	30.94983	30.78358	0.44565	0.6	0.4	12.75445	0.0428	12.74722	220424906	4030110	88
08/22/2017 07:54:50	16.67411	16.68616	16.64296	730	730	730	14.16776	14.19999	13.99999	14.61341	14.8	14.6	30.85077	30.94983	30.78358	0.44565	0.6	0.4	12.83788	0.07418	12.83027	220424906	4030110	88
08/22/2017 07:59:50	16.67552	16.68616	16.64296	730	730	730	14.21007	14.29999	13.99999	14.72065	14.8	14.6	30.83505	30.89442	30.72817	0.51057	0.6	0.3	12.92128	0	12.91361	220424906	4030110	88
08/22/2017 08:04:50	16.67427	16.69608	16.64169	730.05261	730.09997	730	14.39718	14.49999	14.19999	15.52255	15.7	15.1	30.6784	30.75587	30.58963	1.12536	1.3	0.8	13.00473	0.01587	12.99722	220424906	4030110	88
08/22/2017 08:09:50	16.67427	16.69608	16.64169	730.05261	730.09997	730	14.39718	14.49999	14.19999	15.52255	15.7	15.1	30.6784	30.75587	30.58963	1.12536	1.3	0.8	13.08814	0.03724	13.08027	220424906	4030110	88
08/22/2017 08:14:50	16.6752	16.70052	16.66182	730.03021	730.09997	730	14.62397	14.8	14.39999	15.83463	16.1	15.6	30.67984	30.78358	30.56192	1.21065	1.5	1	13.17153	0.03722	13.16361	220424906	4030110	88
08/22/2017 08:19:50	16.67506	16.69914	16.65735	730.08685	730.09997	730	14.93395	15.09999	14.8	16.06973	16.3	16	30.68901	30.75587	30.58963	1.13577	1.3	0.9	13.25498	0.0213	13.24694	220424906	4030110	88
08/22/2017 08:24:50	16.67648	16.69552	16.6567	730.02545	730.09997	730	15.63074	15.8	15.39999	16.40863	16.7	16.1	30.68002	30.72817	30.56192	0.77789	1	0.6	13.33841	0	13.33055	220424906	4030110	88
08/22/2017 08:29:50	16.67648	16.69552	16.6567	730.02545	730.09997	730	15.63074	15.8	15.39999	16.40863	16.7	16.1	30.68002	30.72817	30.56192	0.77789	1	0.6	13.42182	0.016	13.41361	220424906	4030110	88
08/22/2017 08:34:50	16.67548	16.69765	16.64388	730.09997	730.09997	730.09997	16.22056	16.39999	16.09999	16.54757	16.7	16.4	30.60746	30.72817	30.45109	0.32701	0.5	0.1	13.50524	0.04253	13.49722	220424906	4030110	88
08/22/2017 08:39:50	16.67548	16.69765	16.64388	730.09997	730.09997	730.09997	16.22056	16.39999	16.09999	16.54757	16.7	16.4	30.60746	30.72817	30.45109	0.32701	0.4	0	13.58863	0.03731	13.58055	220424906	4030110	88
08/22/2017 08:44:50	16.67453	16.69078	16.65486	730.13647	730.20001	730.09997	16.55486	16.69999	16.3	16.73698	16.8	16.7	30.51272	30.61734	30.36797	0.18211	0.4	0	13.67204	0.07472	13.66361	220424906	4030110	88
08/22/2017 08:49:50	16.67564	16.69748	16.65096	730.09997	730.09997	730.09997	17.1071	17.3	16.89999	17.21128	17.4	16.9	30.53962	30.61734	30.45109	0.13105	0.4	0	13.75544	0.0748	13.74722	220424906	4030110	88
08/22/2017 08:54:50	16.67564	16.69748	16.65096	730.09997	730.09997	730.09997	17.1071	17.3	16.89999	17.21128	17.4	16.9	30.53962	30.61734	30.45109	0.13105	0.49999	0	13.83884	0.1123	13.83027	220424906	4030110	88
08/22/2017 08:59:50	16.67585	16.69461	16.64817	730.09997	730.09997	730.09997	17.37718	17.49999	17.19999	17.18231	17.4	16.9	30.52272	30.58963	30.39567	0.19487	0.49999	0	13.92226	0.02119	13.91361	220424906	4030110	88
08/22/2017 09:04:50	16.67344	16.69711	16.6464	730.09997	730.09997	730.09997	17.86362	17.99999	17.8	17.84323	18.1	17.5	30.45721	30.58963	30.34026	0.11307	0.39999	0	14.00569	0.07002	13.99722	220424906	4030110	88
08/22/2017 09:09:50	16.67344	16.69711	16.6464	730.09997	730.09997	730.09997	17.86362	17.99999	17.8	17.84323	18.1	17.5	30.45721	30.58963	30.34026	0.11307	0.49999	0	14.08911	0.02908	14.08027	220424906	4030110	88
08/22/2017 09:14:50	16.67494	16.69016	16.66184	730.19903	730.20001	730.09997	18.36982	18.49999	18.09999	17.97986	18.1	17.8	30.30901	30.45109	30.20172	0.38996	0.59999	0.09999	14.17255	0	14.16388	220424906	4030110	88
08/22/2017 09:19:50	16.67494	16.69016	16.66184	730.19903	730.20001	730.09997	18.36982	18.49999	18.09999	17.97986	18.1	17.8	30.30901	30.45109	30.20172	0.38996	0.59999	0	14.256	0	14.24722	220424906	4030110	88
08/22/2017 09:24:50	16.67661	16.69016	16.65533	730.20221	730.29998	730.20001	18.55349	18.8	18.49999	18.2923	18.6	17.9	30.25302	30.39567	30.1463	0.26119	0.59999	0	14.33945	0.03753	14.33027	220424906	4030110	88
08/22/2017 09:29:50	16.67655	16.68847	16.65888	730.28894	730.29998	730.20001	19.08039	19.19999	18.8	18.68177	19	18.4	30.20735	30.28484	30.06318	0.39862	0.59999	0.09999	14.42291	0.02109	14.41388	220424906	4030110	88
08/22/2017 09:34:50	16.67655	16.68847	16.65888	730.28894	730.29998	730.20001	19.08039	19.19999	18.8	18.68177	19	18.4	30.20735	30.28484	30.06318	0.39862	0.59999	0.09999	14.50636	0.03762	14.49694	220424906	4030110	88
08/22/2017 09:39:50	16.67537	16.69567	16.66037	730.29693	730.39996	730.20001	19.55064	19.8	19.39999	19.17391	19.3	19	30.11352	30.25713	30.03547	0.37672	0.69999	0.09999	14.58979	0.02921	14.58055	220424906	4030110	88
08/22/2017 09:44:50	16.67537	16.69567	16.66037	730.29693	730.39996	730.20001	19.55064	19.8	19.39999	19.17391	19.3	19	30.11352	30.25713	30.03547	0.37672	0.69999	0.09999	14.67323	0.0421	14.66361	220424906	4030110	88
08/22/2017 09:49:50	16.67624	16.69704	16.6582	730.39996	730.39996	730.39996	20.05737	20.3	19.8	19.75552	19.9	19.4	30.04887	30.1463	29.86922	0.30184	0.59999	0	14.75668	0	14.74722	220424906	4030110	88
08/22/2017 09:54:50	16.67624	16.69704	16.6582	730.39996	730.39996	730.39996	20.05737	20.3	19.8	19.75552	19.9	19.4	30.04887	30.1463	29.86922	0.30184	0.59999	0	14.8401	0.00857	14.83027	220424906	4030110	88
08/22/2017 09:59:50	16.67364	16.69594	16.65941	730.35748	730.39996	730.29998	20.31379	20.49999	20.19999	19.98347	20.3	19.8	30.00733	30.11859	29.8138	0.33032	0.59999	0.09999	14.92352	0.02524	14.91361	220424906	4030110	88
08/22/2017 10:04:50	16.67517	16.69123	16.6512	730.38891	730.39996	730.29998	20.55399	20.8	20.39999	20.22989	20.5	19.9	29.85041	30.06318	29.73068	0.32409	0.8	0.09999	15.00694	0.06301	14.99694	220424906	4030110	88
08/22/2017 10:09:50	16.67572	16.6912	16.6594	730.51916	730.59997	730.39996	21.08707	21.39999	20.89999	20.50961	20.9	20	29.75162	29.8138	29.64756	0.57745	0.99999	0.19999	15.0904	0.04192	15.08055	220424906	4030110	88
08/22/2017 10:14:50	16.67572	16.6912	16.6594	730.51916	730.59997	730.39996	21.08707	21.39999	20.89999	20.50961	20.9	20	29.75162	29.8138	29.64756	0.57745	0.89999	0.19999	15.17384	0.02943	15.16388	220424906	4030110	88
08/22/2017 10:19:50	16.67433	16.69101	16.66167	730.56976	730.59997	730.5	21.56357	21.69999	21.49999	21.18603	21.6	21	29.73245	29.84151	29.4536	0.37753	0.69999	0.09999	15.25728	0.017	15.24722	220424906	4030110	88
08/22/2017 10:24:50	16.67433	16.69101	16.66167	730.56976	730.59997	730.5	21.56357	21.69999	21.49999	21.18603	21.6	21	29.73245	29.84151	29.4536	0.37753	0.69999	0.09999	15.3407	0.07597	15.33027	220424906	4030110	88
08/22/2017 10:29:50	16.67542	16.69447	16.65775	730.50604	730.59997	730.5	21.85757	22.09999	21.69999	21.69284	22	21.4	29.75514	29.8138	29.67527	0.17815	0.49999	0	15.42412	0	15.41361	220424906	4030110	88
08/22/2017 10:34:50	16.67561	16.70248	16.66229	730.55542	730.59997	730.5	22.3738	22.59999	22.19999	22.05545	22.2	21.7	29.73802	29.8138	29.61985	0.31835	0.59999	0.09999	15.50758	0.02086	15.49722	220424906	4030110	88
08/22/2017 10:39:50	16.67561	16.70248	16.66229	730.55542	730.59997	730.5	22.3738	22.59999	22.19999	22.05545	22.2	21.7	29.73802	29.8138	29.61985	0.31835	0.59999	0.09999	15.591	0.00361	15.58027	220424906	4030110	88
08/22/2017 10:44:50	16.67496	16.69626	16.65255	730.40722	730.5	730.39996	22.95022	23.19999	22.8	22.38734	22.8	22.1	29.72958	29.84151	29.56443	0.56287	0.79999	0.19999	15.67444	0.00844	15.66388	220424906	4030110	88
08/22/2017 10:49:50	16.67496	16.69626	16.65255	730.40722	730.5	730.39996	22.95022	23.19999	22.8	22.38734	22.8	22.1	29.72958	29.84151	29.56443	0.56287	0.79999	0.19999	15.75788	0	15.74694	220424906	4030110	88
08/22/2017 10:54:50	16.67723	16.69006	16.65702	730.50097	730.59997	730.39996	23.28374	23.49999	22.99999	22.88072	23.2	22.7	29.65711	29.78609	29.53672	0.40302	0.59999	0.19999	15.84129	0	15.83027	220424906	4030110	88
08/22/2017 10:59:50	16.67724	16.69975	16.65251	730.47985	730.59997	730.39996	23.88557	24.09999	23.49999	23.64367	23.8	23.4	29.64236	29.73068	29.56443	0.25397	0.59999	0	15.92471	0.02075	15.91388	220424906	4030110	88
08/22/2017 11:04:50	16.67724	16.69975	16.65251	730.47985	730.59997	730.39996	23.88557	24.09999	23.49999	23.64367	23.8	23.4	29.64236	29.73068	29.56443	0.25397	0.59999	0	16.00815	0.03822	15.99694	220424906	4030110	88
08/22/2017 11:09:50	16.67639	16.70212	16.65832	730.37054	730.5	730.29998	24.25082	24.39999	24.09999	23.73064	24	23.4	29.64363	29.73068	29.56443	0.52017	0.79999	0.29999	16.09158	0.03536	16.08027	220424906	4030110	88
08/22/2017 11:14:50	16.67505	16.69468	16.65668	730.30304	730.39996	730.29998	24.56087	24.8	24.39999	24.1536	24.8	23.8	29.6266	29.70297	29.50902	0.4207	0.89999	0.09999	16.17498	0.03827	16.16388	220424906	4030110	88
08/22/2017 11:19:50	16.67245	16.68918	16.65264	730.34552	730.39996	730.29998	24.86356	25.09999	24.69999	24.36537	24.6	24.2	29.59926	29.70297	29.50902	0.49819	0.89999	0.09999	16.25842	0.07665	16.24694	220424906	4030110	88
08/22/2017 11:24:50	16.6757	16.70152	16.65282	730.3526	730.39996	730.29998	25.3704	25.59999	25.3	25.00606	25.6	24.6	29.53501	29.64756	29.42589	0.39125	0.79999	0	16.34182	0.07972	16.33055	220424906	4030110	88
08/22/2017 11:29:50	16.6757	16.70152	16.65282	730.3526	730.39996	730.29998	25.3704	25.59999	25.3	25.00606	25.6	24.6	29.53501	29.64756	29.42589	0.39125	1.09999	0.39999	16.42515	0.07686	16.41361	220424906	4030110	88
08/22/2017 11:34:50	16.67578	16.69906	16.65435	730.30096	730.39996	730.29998	25.72725	25.89999	25.59999	24.95713	25.3	24.6	29.5518	29.67527	29.42589	0.77012	1.09999	0.39999	16.50835	0.0769	16.49694	220424906	4030110	88
08/22/2017 11:39:50	16.67659	16.7081	16.65181	730.29998	730.29998	730.29998	26.13737	26.3	25.99999	25.49952	25.9	25.3	29.49921	29.59214	29.42589	0.63784	0.99999	0.09999	16.59156	0.05908	16.58055	220424906	4030110	88
08/22/2017 11:44:50	16.67659	16.7081	16.65181	730.29998	730.29998	730.29998	26.13737	26.3	25.99999	25.49952	25.9	25.3	29.49921	29.59214	29.42589	0.63784	0.99999	0.09999	16.67476	0.02059	16.66388	220424906	4030110	88
08/22/2017 11:49:50	16.67751	16.69652	16.65181	730.29998	730.29998	730.29998	26.37026	26.49999	26.19999	25.58143	25.9	25.3	29.49532	29.56443	29.42589	0.78882	1.09999	0.59999	16.75796	0.03856	16.74694	220424906	4030110	88
08/22/2017 11:54:50	16.675	16.69954	16.6541	730.29998	730.29998	730.29998	26.82676	26.89999	26.59999	26.22574	26.5	25.9	29.47823	29.59214	29.34277	0.60101	0.99999	0.29999	16.84117	0.00258	16.83055	220424906	4030110	88
08/22/2017 11:59:50	16.675	16.69954	16.6541	730.29998	730.29998	730.29998	26.82676	26.89999	26.59999	26.22574	26.5	25.9	29.47823	29.59214	29.34277	0.60101	0.59999	0	16.92438	0.00844	16.91388	220424906	4030110	88
08/22/2017 12:04:50	16.67546	16.70097	16.65999	730.27563	730.29998	730.20001	27.00673	27.09999	26.89999	26.72433	27.1	26.4	29.45741	29.53672	29.31506	0.28883	0.59999	0	17.00758	0.0181	16.99694	220424906	4030110	88
08/22/2017 12:09:50	16.67379	16.6959	16.65356	730.21209	730.29998	730.20001	27.2246	27.39999	26.99999	26.99317	27.5	26.6	29.45968	29.53672	29.34277	0.32546	0.89999	0	17.09079	0.03867	17.08055	220424906	4030110	88
08/22/2017 12:14:50	16.67665	16.69757	16.65356	730.20001	730.20001	730.20001	27.47715	27.59999	27.39999	27.05289	27.5	26.6	29.46107	29.53672	29.34277	0.42426	0.89999	0	17.174	0.03869	17.16361	220424906	4030110	88
08/22/2017 12:19:50	16.67641	16.69826	16.65556	730.19702	730.20001	730.09997	27.92405	28.09999	27.8	27.14841	27.4	27	29.47338	29.56443	29.34277	0.77563	0.99999	0.39999	17.2572	0.02049	17.24722	220424906	4030110	88
08/22/2017 12:24:50	16.67641	16.69826	16.65556	730.19702	730.20001	730.09997	27.92405	28.09999	27.8	27.14841	27.4	27	29.47338	29.56443	29.34277	0.77563	1.09999	0.39999	17.34041	0	17.33027	220424906	4030110	88
08/22/2017 12:29:50	16.67691	16.70537	16.65999	730.20001	730.20001	730.20001	28.10325	28.3	27.99999	27.396	27.6	26.9	29.43977	29.56443	29.31506	0.70724	1.09999	0.39999	17.42362	0.05695	17.41361	220424906	4030110	88
08/22/2017 12:34:50	16.67369	16.69362	16.65405	730.10101	730.20001	730.09997	28.49698	28.69999	28.39999	27.84183	28.2	27.6	29.39531	29.53672	29.28735	0.65514	1.09999	0.19999	17.50682	0.02048	17.49722	220424906	4030110	88
08/22/2017 12:39:50	16.67606	16.69936	16.65581	730.09594	730.09997	730	28.72002	28.8	28.59999	28.18174	28.7	27.8	29.40539	29.50902	29.28735	0.53828	0.89999	0	17.59003	0	17.58055	220424906	4030110	88
08/22/2017 12:44:50	16.67606	16.69936	16.65581	730.09594	730.09997	730	28.72002	28.8	28.59999	28.18174	28.7	27.8	29.40539	29.50902	29.28735	0.53828	0.29999	0	17.67323	0.05931	17.66388	220424906	4030110	88
08/22/2017 12:49:50	16.67573	16.69198	16.65926	730.07879	730.09997	730	28.86018	28.99999	28.8	28.71965	29	28.6	29.37296	29.53672	29.28735	0.14724	0.29999	0	17.75644	0.02035	17.74694	220424906	4030110	88
08/22/2017 12:54:50	16.67425	16.70106	16.65408	730.02319	730.09997	730	29.09433	29.3	28.89999	28.77822	29.3	28.4	29.39639	29.53672	29.28735	0.32821	0.59999	0.09999	17.83965	0.06113	17.83027	220424906	4030110	88
08/22/2017 12:59:50	16.6749	16.69878	16.6356	730.01611	730.09997	730	29.54085	29.8	29.39999	29.32607	29.6	28.9	29.36987	29.48131	29.31506	0.21478	0.69999	0	17.92285	0	17.91388	220424906	4030110	88
08/22/2017 13:04:50	16.6749	16.69878	16.6356	730.01611	730.09997	730	29.54085	29.8	29.39999	29.32607	29.6	28.9	29.36987	29.48131	29.31506	0.21478	0.69999	0	18.00607	0.02037	17.99694	220424906	4030110	88
08/22/2017 13:09:50	16.67596	16.69504	16.65605	729.99395	730	729.89996	30.00332	30.09999	29.89999	29.46032	30	28.9	29.36682	29.48131	29.25964	0.543	1.09999	0	18.08927	0.03571	18.08055	220424906	4030110	88

08/22/2017 13:14:50	16.67596	16.69504	16.65605	729.99395	730	729.89996	30.00332	30.09999	29.89999	29.46032	30	28.9	29.36682	29.48131	29.25964	0.543	1.09999	0	18.17248	0.07969	18.16361	220424906	4030110	88
08/22/2017 13:19:50	16.67405	16.70445	16.64309	729.89996	729.89996	729.89996	30.45833	30.59999	30.19999	30.41173	31.1	29.9	29.33395	29.42589	29.14881	0.2348	0.6	0	18.25568	0.09709	18.24722	220424906	4030110	88
08/22/2017 13:24:50	16.67405	16.70445	16.64309	729.89996	729.89996	729.89996	30.45833	30.59999	30.19999	30.41173	31.1	29.9	29.33395	29.42589	29.14881	0.2348	0.69999	0	18.33889	0.0797	18.33055	220424906	4030110	88
08/22/2017 13:29:50	16.67397	16.70445	16.64878	729.89996	729.89996	729.89996	30.6637	30.69999	30.49999	30.4266	31	30	29.31821	29.39818	29.17652	0.26398	0.69999	0	18.4221	0.0391	18.41361	220424906	4030110	88
08/22/2017 13:34:50	16.67416	16.69069	16.65738	729.9292	730	729.89996	31.08722	31.19999	31	30.51062	30.7	30.2	29.2303	29.37048	29.14881	0.5766	0.89999	0.39999	18.5053	0.03911	18.49722	220424906	4030110	88
08/22/2017 13:39:50	16.67416	16.69069	16.65738	729.9292	730	729.89996	31.08722	31.19999	31	30.51062	30.7	30.2	29.2303	29.37048	29.14881	0.5766	0.89999	0.39999	18.5885	0.0391	18.58027	220424906	4030110	88
08/22/2017 13:44:50	16.67255	16.69348	16.63782	729.89892	729.89996	729.79998	31.28036	31.39999	31.09999	30.37205	30.7	30.1	29.20925	29.34277	29.1211	0.90831	1.19999	0.59999	18.67171	0.04062	18.66361	220424906	4030110	88
08/22/2017 13:49:50	16.67423	16.68819	16.65405	729.89892	729.89996	729.79998	31.46354	31.69999	31.3	30.45212	30.7	30	29.2046	29.31506	29.14881	1.01142	1.89999	0.69999	18.75491	0.05793	18.74722	220424906	4030110	88
08/22/2017 13:54:50	16.6739	16.69427	16.65526	729.89294	729.89996	729.79998	31.67041	31.69999	31.59999	30.26507	31	29.8	29.20269	29.28735	29.0934	1.40534	1.89999	0.69999	18.83812	0.07968	18.83027	220424906	4030110	88
08/22/2017 13:59:50	16.67547	16.69665	16.65723	729.79998	729.79998	729.79998	31.84622	31.89999	31.8	30.78689	31.3	30.2	29.21022	29.28735	29.1211	1.05933	1.69999	0.59999	18.92132	0.00126	18.91388	220424906	4030110	88
08/22/2017 14:04:50	16.67547	16.69665	16.65723	729.79998	729.79998	729.79998	31.84622	31.89999	31.8	30.78689	31.3	30.2	29.21022	29.28735	29.1211	1.05933	1.69999	0.59999	19.00452	0	18.99694	220424906	4030110	88
08/22/2017 14:09:50	16.67461	16.69171	16.65468	729.78473	729.79998	729.70001	32.16088	32.3	32	31.09468	31.4	30.6	29.19298	29.25964	29.06569	1.06619	1.69999	0.69999	19.08773	0.03784	19.08055	220424906	4030110	88
08/22/2017 14:14:50	16.67461	16.69171	16.65468	729.78473	729.79998	729.70001	32.16088	32.3	32	31.09468	31.4	30.6	29.19298	29.25964	29.06569	1.06619	1.69999	0.69999	19.17093	0.05945	19.16361	220424906	4030110	88
08/22/2017 14:19:50	16.67508	16.69476	16.65505	729.70001	729.70001	729.70001	32.47629	32.59999	32.39999	31.04276	31.7	30.4	29.12738	29.25964	29.01027	1.43353	1.99999	0.8	19.25414	0.02158	19.24722	220424906	4030110	88
08/22/2017 14:24:50	16.67508	16.69476	16.65505	729.70001	729.70001	729.70001	32.47629	32.59999	32.39999	31.04276	31.7	30.4	29.12738	29.25964	29.01027	1.43353	2.09999	1.19999	19.33734	0.09995	19.33055	220424906	4030110	88
08/22/2017 14:29:50	16.67549	16.68875	16.65505	729.70001	729.70001	729.70001	32.59029	32.8	32.5	30.9823	31.4	30.7	29.07323	29.14881	28.98256	1.60799	2.09999	1.19999	19.42055	0.02025	19.41361	220424906	4030110	88
08/22/2017 14:34:50	16.6757	16.69509	16.6507	729.62719	729.70001	729.59997	32.83008	32.89999	32.8	31.62038	32	31.1	29.02822	29.1211	28.87173	1.2097	1.69999	0.8	19.50375	0.03807	19.49722	220424906	4030110	88
08/22/2017 14:39:50	16.67617	16.69112	16.6581	729.59997	729.59997	729.59997	32.94083	33	32.8	31.2563	31.4	31.1	29.14568	29.25964	29.03798	1.68453	1.9	1.49999	19.58696	0.01896	19.58055	220424906	4030110	88
08/22/2017 14:44:50	16.67617	16.69112	16.6581	729.59997	729.59997	729.59997	32.94083	33	32.8	31.2563	31.4	31.1	29.14568	29.25964	29.03798	1.68453	1.9	1.49999	19.67016	0.06078	19.66361	220424906	4030110	88
08/22/2017 14:49:50	16.67524	16.69714	16.65374	729.55944	729.59997	729.5	33.05025	33.09999	33	31.09793	31.7	30.5	29.12735	29.25964	29.01027	1.95232	2.59999	1.3	19.75336	0.04056	19.74722	220424906	4030110	88
08/22/2017 14:54:50	16.6741	16.69237	16.65941	729.5	729.5	729.5	33.07982	33.09999	33	30.98845	31.2	30.6	29.20768	29.28735	29.1211	2.09137	2.49999	1.89999	19.83656	0	19.83055	220424906	4030110	88
08/22/2017 14:59:50	16.67545	16.70485	16.65374	729.5	729.5	729.5	33.09327	33.09999	33	31.33837	31.9	30.7	29.12094	29.28735	29.01027	1.7549	2.39999	1.19999	19.91977	0.01802	19.91388	220424906	4030110	88
08/22/2017 15:04:50	16.67545	16.70485	16.65374	729.5	729.5	729.5	33.09327	33.09999	33	31.33837	31.9	30.7	29.12094	29.28735	29.01027	1.7549	2.39999	1.19999	20.00298	0.05948	19.99694	220424906	4030110	88
08/22/2017 15:09:50	16.67479	16.69447	16.64945	729.5	729.5	729.5	33.0968	33.09999	33	31.49571	32.3	31.1	29.06222	29.20423	28.89944	1.60108	1.99999	0.79999	20.08618	0.01901	20.08055	220424906	4030110	88
08/22/2017 15:14:50	16.67279	16.68745	16.65374	729.5	729.5	729.5	33.10336	33.19999	33.09999	31.00011	31.3	30.5	29.08647	29.20423	28.98256	2.10324	2.59999	1.79999	20.16938	0.01886	20.16388	220424906	4030110	88
08/22/2017 15:19:50	16.67279	16.68745	16.65374	729.5	729.5	729.5	33.10336	33.19999	33.09999	31.00011	31.3	30.5	29.08647	29.20423	28.98256	2.10324	2.59999	1.79999	20.25259	0.02026	20.24694	220424906	4030110	88
08/22/2017 15:24:50	16.67311	16.69276	16.64806	729.49597	729.5	729.39996	33.09328	33.09999	33	31.00971	31.3	30.4	29.01997	29.17652	28.87173	2.08357	2.69999	1.79999	20.33579	0.06841	20.33055	220424906	4030110	88
08/22/2017 15:29:50	16.67311	16.69276	16.64806	729.49597	729.5	729.39996	33.09328	33.09999	33	31.00971	31.3	30.4	29.01997	29.17652	28.87173	2.08357	2.69999	1.79999	20.419	0	20.41361	220424906	4030110	88
08/22/2017 15:34:50	16.67404	16.69513	16.65904	729.47784	729.5	729.39996	33.07984	33.09999	33	30.85665	31.4	30.4	29.0767	29.20423	28.98256	2.22319	2.69999	1.69999	20.50221	0.04044	20.49694	220424906	4030110	88
08/22/2017 15:39:50	16.67459	16.69858	16.65042	729.37274	729.39996	729.29998	33.01009	33.09999	33	31.29844	31.7	30.6	28.99056	29.1211	28.87173	1.71164	2.4	1.3	20.58541	0.01899	20.58055	220424906	4030110	88
08/22/2017 15:44:50	16.67459	16.69858	16.65042	729.37274	729.39996	729.29998	33.01009	33.09999	33	31.29844	31.7	30.6	28.99056	29.1211	28.87173	1.71164	2.4	1.3	20.66861	0.03071	20.66361	220424906	4030110	88
08/22/2017 15:49:50	16.67544	16.69513	16.6561	729.36248	729.39996	729.29998	33.01947	33.09999	33	30.91987	31.3	30.6	29.11253	29.25964	29.01027	2.09959	2.4	1.79999	20.75182	0.06073	20.74694	220424906	4030110	88
08/22/2017 15:54:50	16.67605	16.70888	16.64181	729.24841	729.29998	729.09997	33	33	33	31.26638	31.7	30.5	29.04301	29.17652	28.92715	1.73361	2.49999	1.3	20.83503	0.00846	20.83055	220424906	4030110	88
08/22/2017 15:59:50	16.67406	16.69255	16.65477	729.2323	729.29998	729	33.01681	33.09999	33	30.87356	31.3	30.4	29.14296	29.25964	29.01027	2.14325	2.59999	1.69999	20.91824	0.03784	20.91388	220424906	4030110	88
08/22/2017 16:04:50	16.67406	16.69255	16.65477	729.2323	729.29998	729	33.01681	33.09999	33	30.87356	31.3	30.4	29.14296	29.25964	29.01027	2.14325	2.4	1.69999	21.00144	0	20.99722	220424906	4030110	88
08/22/2017 16:09:50	16.67584	16.70025	16.65789	729.18145	729.29998	729	33.00671	33.09999	33	31.00328	31.4	30.6	29.107	29.25964	29.01027	2.00342	2.4	1.69999	21.08465	0.02159	21.08027	220424906	4030110	88
08/22/2017 16:14:50	16.67415	16.70225	16.65798	729.01611	729.09997	728.89996	33.01007	33.09999	33	30.99671	31.9	30.5	29.02665	29.1211	28.87173	2.01336	2.49999	1.09999	21.16786	0.01182	21.16388	220424906	4030110	88
08/22/2017 16:19:50	16.67415	16.70225	16.65798	729.01611	729.09997	728.89996	33.01007	33.09999	33	30.99671	31.9	30.5	29.02665	29.1211	28.87173	2.01336	2.49999	1.09999	21.25106	0.06161	21.24694	220424906	4030110	88
08/22/2017 16:24:50	16.67441	16.696	16.64665	728.94958	729.09997	728.79998	33.01949	33.09999	33	30.99463	31.6	30.5	29.06404	29.17652	28.95486	2.02485	2.59999	1.4	21.33427	0.03341	21.33055	220424906	4030110	88
08/22/2017 16:29:50	16.67441	16.696	16.64665	728.94958	729.09997	728.79998	33.01949	33.09999	33	30.99463	31.6	30.5	29.06404	29.17652	28.95486	2.02485	2.59999	1.4	21.41747	0	21.41361	220424906	4030110	88
08/22/2017 16:34:49	16.67436	16.69482	16.65695	728.91101	729	728.79998	33.01681	33.09999	33	30.66151	31.3	30	29.09132	29.23194	29.01027	2.3553	2.99999	1.69999	21.50067	0.00844	21.49694	220424906	4030110	88
08/22/2017 16:39:49	16.67514	16.69719	16.65326	728.7998	728.89996	728.59997	33.01009	33.09999	33	30.49935	30.8	30.2	29.05005	29.1211	28.95486	2.51074	2.8	2.19999	21.58388	0.00545	21.58027	220424906	4030110	88
08/22/2017 16:44:50	16.67554	16.69957	16.65203	728.77179	728.89996	728.70001	32.86318	33	32.8	30.20959	30.8	29.6	28.90158	29.03798	28.78861	2.65358	3.29999	2.09999	21.66709	0.01888	21.66388	220424906	4030110	88
08/22/2017 16:49:49	16.67554	16.69957	16.65203	728.77179	728.89996	728.70001	32.86318	33	32.8	30.20959	30.8	29.6	28.90158	29.03798	28.78861	2.65358	3.29999	2.09999	21.75029	0.02027	21.74694	220424906	4030110	88
08/22/2017 16:54:50	16.67518	16.69135	16.66051	728.68975	728.79998	728.59997	32.76774	32.8	32.59999	30.49182	31	30.1	28.89966	28.95486	28.84402	2.27592	2.69999	1.79999	21.83349	0	21.83055	220424906	4030110	88
08/22/2017 16:59:50	16.67698	16.70312	16.6611	728.62201	728.70001	728.5	32.64035	32.8	32.59999	30.43623	31	30.1	28.9043	28.95486	28.81632	2.20412	2.69999	1.59999	21.9167	0.00717	21.91388	220424906	4030110	88
08/22/2017 17:04:50	16.6752	16.69665	16.65269	728.59594	728.70001	728.5	32.58992	32.8	32.39999	30.5322	31	30.2	28.89934	28.95486	28.81632	2.05771	2.39999	1.59999	21.99991	0.00846	21.99722	220424906	4030110	88
08/22/2017 17:09:50	16.67333	16.69538	16.65634	728.56469	728.59997	728.5	32.58991	32.59999	32.5	29.90058	30.4	29.5	28.90876	28.98256	28.84402	2.68932	3.09999	2.19999	22.08311	0.00318	22.08055	220424906	4030110	88
08/22/2017 17:14:49	16.67333	16.69538	16.65634	728.56469	728.59997	728.5	32.58991	32.59999	32.5	29.90058	30.4	29.5	28.90876	28.98256	28.84402	2.68932	3.09999	2.19999	22.16632	0.02034	22.16361	220424906	4030110	88
08/22/2017 17:19:49	16.67543	16.70634	16.64538	728.58789	728.70001	728.5	32.49667	32.59999	32.39999	29.89363	30.8	29.3	28.92339	29.03798	28.84402	2.60304	2.99999	2.49999	22.24952	0.05255	22.24694	220424906	4030110	88
08/22/2017 17:24:49	16.67657	16.69538	16.65634	728.63244	728.70001	728.59997	32.39999	32.5	32.3	29.65377	29.9	29.4	28.8993	28.95486	28.84402	2.74622	2.99999	2.49999	22.33273	0.08967	22.33027	220424906	4030110	88
08/22/2017 17:29:49	16.6748	16.693	16.65483	728.67681	728.70001	728.59997	32.30939	32.39999	32.19999	30.05443	30.5	29.6	28.88741	28.95486	28.78861	2.25496	2.49999	1.79999	22.41593	0.07816	22.41361	220424906	4030110	88
08/22/2017 17:34:49	16.67387	16.68858	16.65397	728.70202	728.79998	728.59997	32.20298	32.3	32	29.98047	30.4	29.6	28.89254	28.95486	28.81632	2.2225	2.49999	1.79999	22.49913	0.03905	22.49694	220424906	4030110	88
08/22/2017 17:39:50	16.67382	16.69257	16.65877	728.84857	728.89996	728.79998	31.96989	32	31.89999	29.30324	29.5	28.9	28.88996	28.95486	28.81632	2.66665	2.99999	2.39999	22.58234	0.05758	22.58055	220424906	4030110	88
08/22/2017 17:44:49	16.67382	16.69257	16.65877	728.84857	728.89996	728.79998	31.96989	32	31.89999	29.30324	29.5	28.9	28.88996	28.95486	28.81632	2.66665	2.99999	2.39999	22.66554	0.04076	22.66361	220424906	4030110	88
08/22/2017 17:49:50	16.67425	16.68922	16.65922	728.80084	728.89996	728.70001	31.75311	31.8	31.69999	29.23544	29.5	28.9	28.89066	28.95486	28.78861	2.51766	2.89999	2.19999	22.74874	0.02885	22.74722	220424906	4030110	88
08/22/2017 17:54:49	16.67425	16.68922	16.65922	728.80084	728.89996	728.70001	31.75311	31.8	31.69999	29.23544	29.5	28.9	28.89066	28.95486	28.78861	2.51766	2.89999	2.19999	22.83195	0.07975	22.83027	220424906	4030110	88
08/22/2017 17:59:49	16.67472	16.69288	16.65722	728.72522	728.89996	728.59997	31.64973	31.8	31.39999	28.65901	28.9	28.4	28.90076	28.98256	28.81632	2.99072	3.29999	2.69999	22.91515	0.02044	22.91361	220424906	4030110	88
08/22/2017 18:04:49	16.6751	16.69525	16.64296	728.73834	728.79998	728.70001	31.23646	31.3	31.09999	28.57025	28.9	28.1	28.90382	28.98256	28.84402	2.66621	3.19999	2.29999	22.99835	0	22.99722	220424906	4030110	88
08/22/2017 18:09:49	16.6751	16.69525	16.64296	728.73834	728.79998	728.70001	31.23646	31.3	31.09999	28.57025	28.9	28.1	28.90382	28.98256	28.84402	2.66621	3.19999	2.29999	23.08156	0.01845	23.08027	220424906	4030110	88
08/22/2017 18:14:49	16.6754	16.68896	16.66141	728.70605	728.79998	728.70001	31.08001	31.09999	31	28.26623	28.4	28.1	28.91825	29.03798	28.81632	2.81377	2.99999	2.59999	23.16476	0.02045	23.16361	220424906	4030110	88
08/22/2017 18:19:50	16.67401	16.69592	16.64939	728.68994	728.70001	728.59997	30.74309	31	30.49999	27.97965	28.3	27.7	28.96626	29.06569	28.81632	2.76344	2.99999	2.39999	23.24796	0.0614	23.24722	220424906	4030110	88
08/22/2017 18:24:49	16.67401	16.69592	16.64939	728.68994	728.70001	728.59997	30.74309	31	30.49999	27.97965	28.3	27.7	28.96626	29.06569	28.81632	2.76344	2.99999	2.39999	23.33117	0.05715	23.33055	220424906	4030110	88
08/22/2017 18:29:49	16.67465	16.69355	16.65692	728.61206	728.70001	728.5	30.5692	30.69999	30.49999	27.65912	28	27.5	29.02194	29.1211	28.89944	2.91008	3.19999	2.69999	23.41437	0.00986	23.41361	220424906	4030110	88
08/22/2017 18:34:49	16.67266	16.69134	16.65234	728.5827	728.70001	728.5	30.40633	30.49999	30.19999	27.40857	27.6	27.2	29.03809	29.1211	28.89944	2.99776	2.89999	2.39999	23.49757	0.02047	23.49722	220424906	4030110	88
08/22/2017 18:39:49	16.67381	16.69409	16.65869	728.58483	728.59997	728.5	30.09611	30.19999	29.99999	27.47629	27.7	27.2	29.02739	29.1211	28.89944	2.61981	2.89999	2.39999	23.58078	0.03881	23.58027	220424906	4030110	88
08/22/2017 18:44:49	16.67399	16.68897	16.66084	728.59191	728.59997	728.5	29.67934	29.8	29.59999	27.49037	27.6	27.2	29.03282	29.0934	28.89944	2.18897	2.39999	1.99999	23.66398	0.03254	23.66388	220424906	4030110	88
08/22/2017 18:49:49	16.67399	16.68897	16.66084	728.59191	728.59997	728.5	29.67934	29.8	29.59999	27.49037	27.6	27.2	29.03282	29.0934	28.89944	2.18897	2.39999	1.99999	23.74718	0.0205	23.74694	220424906	4030110	88
08/22/2017 18:54:49	16.67449	16.68897	16.65632	728.59997	728.59997	728.59997	29.48599	29.59999	29.39999	27.38792	27.6	27.2	29.03238	29.0934	28.92715	2.09806	2.39999	1.79999	23.83039	0.0569	23.83027	220424906	4030110	88
08/22/2017 18:59:49	16.67508	16.69145	16.65446	728.6546	728.70001	728.59997	29.1292	29.3	28.89999	26.74211	27	26.4	29.04642	29.1211	28.98256	2.38709	2.69999	2.09999	23.91359	0.05676	23.91388	220424906	4030110	88
08/22/2017 19:04:49	16.67508	16.69145	16.65446	728.6546	728.70001	728.59997	29.1292	29.3	28.89999	26.74211	27	26.4	29.04642	29.1211	28.98256	2.38709	2.69999	2.09999	23.99679	0.05675	23.99694	220424906	4030110	88
08/22/2017 19:09:49	16.6743	16.69076	16.65586	728.66571	728.70001	728.59997	28.85302	28.99999	28.69999	26.35287	26.5	26.3	29.05037	29.1211	28.98256	2.50014	2.59999	2.39999	24.0005	0	23.99972	220424906	4030110	88
08/22/2017 19:14:49	0.49563	16.67177	0	728.69897	728.79998	728.59997	28.71547	28.8	28.69999	25.98555	26.3	25.8	9.25289	29.03798	8.53406	2.72991	2.89999	2.39999	24.0005	0	23.99972	220424906	4030110	88
08/22/2017 19:19:49	0	0	0	728.73431	728.79998	728.70001	28.5835	28.69999	28.39999	25.69865	25.9	25.6	8.67615	8.83885	8.53406	2.88484	3.09999	2.69999	24.0005	0	23.99972	220424906	4030110	88
08/22/2017 19:24:49	0	0	0	728.71533	728.79998	728.59997	28.36991	28.39999	28.3	25.59294	25.7	25.3	8.83996	8.86656	8.83885	2.77697	3.09999	2.59999	24.0005	0	23.99972	220424906	4030110	88
08/22/2017 19:29:49	0	0	0	729.18389	729.20001	729.09997	27.84587	27.99999	27.69999	25.10555	25.3	25	8.80379	8.83885	8.58948	2.74032	2.89999	2.49999	24.0005	0	23.99972	220424906	4030110	88
08/22/2017 19:34:49	0	0	0	729.18389	729.20001	729.09997	27.84587	27.99999	27.69999	25.10555	25.3	25	8.80379	8.83885	8.58948	2.74032	2.89999	2.49999	24.0005	0	23.99972	220424906	4030110	88
08/22/2017 19:39:49	0	0	0	729.22741	729.29998	729.20001	27.36957	27.49999	27.09999	24.45949	24.6	24.2	8.75796	8.81114	8.53406	2.91007	2.99999	2.79999	24.0005	0	23.99972	220424906	4030110	88
08/22/2017 19:44:49	0	0	0	729.22741	729.29998	729.20001	27.36957	27.49999	27.09999	24.45949	24.6	24.2	8.75796	8.81114	8.53406	2.91007	2.99999	2.79999	24.0005	0	23.99972	220424906	4030110	88
08/22/2017 19:49:49	0	0	0	729.2929	729.29998	729.20001	27.07663	27.39999	26.99999	24.08941	24.2	24	8.75917	8.81114	8.53406	2.98722	3.19999	2.79999	24.0005	0	23.99972	220424906	4030110	88
08/22/2017 19:54:49	0	0	0	729.29998	729.29998	729.29998	26.37568	26.59999	26.19999	23.48308	23.6	23.3	8.70667	8.89427	8.47864	2.8926	2.99999	2.79999	24.0005	0	23.99972	220424897	4030210	88
08/22/2017 19:59:49	0	0	0	729.29998	729.29998	729.29998	26.37568	26.59999	26.19999	23.48308	23.6	23.3	8.70667	8.89427	8.47864	2.8926	2.99999	2.79999	0.07905	0.07979	0.08027	220424897	4030210	88
08/22/2017 20:04:49	15.8932	16.69903	0	729.29998	729.29998	729.29998	25.77669	26.19999	25.39999	23.29684	23.4	23	24.0951	25.04803	8.6726	2.47985	2.89999	2.09999	0.16243	0.01736	0.16361	220424897	4030210	88

08/22/2017 20:09:49	16.6749	16.6971	16.65428	729.29998	729.29998	729.29998	25.14881	25.39999	24.8	22.95306	23.2	22.8	24.97453	25.13115	24.82636	2.19575	2.39999	1.89999	0.24581	0.02968	0.24694	220424897	4030210	88
08/22/2017 20:14:49	16.67564	16.6971	16.65332	729.28588	729.29998	729.20001	24.59225	24.8	24.39999	22.71881	22.9	22.6	25.06701	25.18657	24.9372	1.87343	2.09999	1.69999	0.32919	0	0.33027	220424897	4030210	88
08/22/2017 20:19:49	16.67812	16.69027	16.6572	729.29998	729.29998	729.29998	24.14181	24.39999	23.89999	22.59962	22.7	22.4	25.10904	25.18657	25.02032	1.54218	1.59999	0.89999	0.41258	0.01724	0.41388	220424897	4030210	88
08/22/2017 20:24:49	16.67812	16.69027	16.6572	729.29998	729.29998	729.29998	23.72185	23.99999	23.49999	22.40337	22.6	22.3	25.09644	25.18657	24.99261	1.31848	1.19999	0.89999	0.49596	0.02084	0.49694	220424897	4030210	88
08/22/2017 20:29:49	16.67514	16.69027	16.65136	729.29998	729.29998	729.29998	23.35218	23.49999	23.19999	22.34653	22.6	22.2	25.07689	25.21428	24.99261	1.00566	1.19999	0.89999	0.57933	0.02084	0.58027	220424897	4030210	88
08/22/2017 20:34:49	16.67459	16.69409	16.64831	729.29998	729.29998	729.29998	22.82236	22.99999	22.69999	22.03595	22.3	21.7	25.18887	25.2974	25.07574	0.7864	1.09999	0.59999	0.6627	0.03804	0.66388	220424897	4030210	88
08/22/2017 20:39:49	16.67459	16.69409	16.64831	729.29998	729.29998	729.29998	22.82236	22.99999	22.69999	22.03595	22.3	21.7	25.18887	25.2974	25.07574	0.7864	1.09999	0.59999	0.74609	0.04176	0.74694	220424897	4030210	88
08/22/2017 20:44:49	16.67676	16.68721	16.64831	729.29998	729.29998	729.29998	22.55279	22.69999	22.3	21.89413	22	21.7	25.21191	25.32511	25.10344	0.65865	0.99999	0.3	0.82947	0.02088	0.83027	220424897	4030210	88
08/22/2017 20:49:49	16.67487	16.69095	16.65312	729.29998	729.29998	729.29998	22.17648	22.3	21.99999	21.68583	21.8	21.5	25.25964	25.35282	25.13115	0.49065	0.69999	0.29999	0.91285	0.07605	0.91388	220424897	4030210	88
08/22/2017 20:54:49	16.67487	16.69095	16.65312	729.29998	729.29998	729.29998	22.17648	22.3	21.99999	21.68583	21.8	21.5	25.25964	25.35282	25.13115	0.49065	0.69999	0.29999	0.99622	0	0.99694	220424897	4030210	88
08/22/2017 20:59:49	16.67481	16.69682	16.66377	729.29998	729.29998	729.29998	21.96268	22.19999	21.8	21.6563	21.8	21.6	25.2498	25.35282	25.13115	0.30638	0.59999	0.09999	1.07958	0.07977	1.08027	220424897	4030210	88
08/22/2017 21:04:49	16.6752	16.69595	16.64989	729.37463	729.39996	729.29998	21.62016	21.69999	21.49999	20.96636	21.2	20.8	25.23265	25.32511	25.10344	0.65379	0.89999	0.29999	1.16295	0.02093	1.16388	220424897	4030210	88
08/22/2017 21:09:49	16.6752	16.69595	16.64989	729.37463	729.39996	729.29998	21.62016	21.69999	21.49999	20.96636	21.2	20.8	25.23265	25.32511	25.10344	0.65379	0.89999	0.29999	1.24632	0.02097	1.24694	220424897	4030210	88
08/22/2017 21:14:49	16.67359	16.69356	16.6548	729.37072	729.39996	729.29998	21.43967	21.59999	21.19999	20.96001	21.2	20.4	25.23248	25.32511	25.10344	0.47965	0.99999	0.19999	1.32969	0.01689	1.33027	220424897	4030210	88
08/22/2017 21:19:49	16.67331	16.69136	16.65953	729.39996	729.39996	729.39996	21.30757	21.39999	21.19999	20.37206	20.6	20.3	25.28021	25.38052	25.21428	0.93551	1.09999	0.59999	1.41307	0	1.41361	220424897	4030210	88
08/22/2017 21:24:49	16.6768	16.69482	16.65817	729.38989	729.39996	729.29998	21.08337	21.19999	20.89999	20.9085	21	20.6	25.28041	25.32511	25.21428	0.18159	0.49999	0	1.49644	0.07567	1.49722	220424897	4030210	88
08/22/2017 21:29:49	16.67381	16.69373	16.65485	729.29998	729.29998	729.29998	20.76969	20.89999	20.49999	20.12896	20.4	19.9	25.44149	25.54677	25.26969	0.64073	0.99999	0.29999	1.57981	0.07557	1.58055	220424897	4030210	88
08/22/2017 21:34:49	16.67381	16.69373	16.65485	729.29998	729.29998	729.29998	20.76969	20.89999	20.49999	20.12896	20.4	19.9	25.44149	25.54677	25.26969	0.64073	0.99999	0.29999	1.66317	0.03773	1.66361	220424897	4030210	88
08/22/2017 21:39:49	16.67221	16.68777	16.6489	729.39996	729.39996	729.39996	20.38918	20.49999	20.19999	19.43573	19.7	19.3	25.53345	25.6299	25.38052	0.95345	1.09999	0.69999	1.74653	0.02106	1.74722	220424897	4030210	88
08/22/2017 21:44:49	16.67221	16.68777	16.6489	729.39996	729.39996	729.39996	20.38918	20.49999	20.19999	19.43573	19.7	19.3	25.53345	25.6299	25.38052	0.95345	1.09999	0.69999	1.82991	0.05434	1.83027	220424897	4030210	88
08/22/2017 21:49:49	16.67496	16.69587	16.65234	729.39996	729.39996	729.39996	19.95846	20.19999	19.8	19.26336	19.4	19.1	25.58664	25.6576	25.49136	0.69509	0.89999	0.49999	1.91329	0.05876	1.91388	220424897	4030210	88
08/22/2017 21:54:49	16.67496	16.69587	16.65234	729.39996	729.39996	729.39996	19.95846	20.19999	19.8	19.26336	19.4	19.1	25.58664	25.6576	25.49136	0.69509	0.89999	0.49999	1.99667	0.03765	1.99694	220424897	4030210	88
08/22/2017 21:59:49	16.67556	16.69587	16.657	729.39996	729.39996	729.39996	19.80015	19.89999	19.69999	19.10349	19.3	19	25.6097	25.71302	25.51906	0.69665	0.8	0.49999	2.08004	0.0376	2.08027	220424897	4030210	88
08/22/2017 22:04:49	16.67352	16.69073	16.64595	729.39996	729.39996	729.39996	19.35648	19.39999	19.19999	18.4261	18.7	18.1	25.72716	25.79614	25.6299	0.93038	1.29999	0.69999	2.16341	0	2.16388	220424897	4030210	88
08/22/2017 22:09:49	16.67352	16.69073	16.64595	729.39996	729.39996	729.39996	19.35648	19.39999	19.19999	18.4261	18.7	18.1	25.72716	25.79614	25.6299	0.93038	1.29999	0.69999	2.24679	0.03755	2.24694	220424897	4030210	88
08/22/2017 22:14:49	16.67424	16.68807	16.65055	729.39996	729.39996	729.39996	19.19278	19.3	19.09999	18.04909	18.2	18	25.75689	25.85156	25.68531	1.14368	1.19999	0.99999	2.33015	0.07986	2.33027	220424897	4030210	88
08/22/2017 22:19:49	16.67358	16.69266	16.65515	729.39996	729.39996	729.39996	19.02658	19.19999	18.8	17.92606	18	17.8	25.76717	25.87927	25.68531	1.10052	0.89999	0.59999	2.41352	0	2.41388	220424897	4030210	88
08/22/2017 22:24:49	16.67472	16.6986	16.65515	729.34735	729.39996	729.29998	18.74973	18.8	18.59999	18.01006	18.1	17.9	25.80819	25.93468	25.68531	0.73966	0.89999	0.59999	2.4969	0.03755	2.49694	220424897	4030210	88
08/22/2017 22:29:49	16.67646	16.69638	16.65885	729.30603	729.39996	729.29998	18.53967	18.69999	18.39999	18.06705	18.2	18	25.84717	25.96239	25.74073	0.47261	0.69999	0.29999	2.58028	0.07507	2.58027	220424897	4030210	88
08/22/2017 22:34:49	16.67807	16.69771	16.66345	729.29998	729.29998	729.29998	18.24923	18.39999	18.09999	18.1235	18.4	18	25.93659	26.07323	25.85156	0.13915	0.29999	0	2.66368	0.03755	2.66388	220424897	4030210	88
08/22/2017 22:39:49	16.67807	16.69771	16.66345	729.29998	729.29998	729.29998	18.24923	18.39999	18.09999	18.1235	18.4	18	25.93659	26.07323	25.85156	0.13915	0.29999	0	2.74707	0	2.74694	220424897	4030210	88
08/22/2017 22:44:49	16.6778	16.69771	16.65885	729.29998	729.29998	729.29998	18.12019	18.19999	17.99999	18.29748	18.5	18.1	26.00199	26.07323	25.93468	0.21769	0.4	0	2.83044	0.01647	2.83027	220424897	4030210	88
08/22/2017 22:49:49	16.67401	16.69073	16.65091	729.31811	729.39996	729.29998	18.0197	18.09999	17.89999	18.51008	18.6	18.4	25.92273	26.04552	25.82385	0.49038	0.7	0.3	2.9138	0.0047	2.91361	220424897	4030210	88
08/22/2017 22:54:49	16.67483	16.69771	16.65554	729.30401	729.39996	729.29998	17.91344	17.99999	17.89999	18.41882	18.6	18.2	26.02606	26.10093	25.93468	0.50538	0.7	0.3	2.99719	0.02908	2.99694	220424897	4030210	88
08/22/2017 22:59:49	16.67613	16.69044	16.65648	729.35357	729.39996	729.29998	17.86994	17.89999	17.8	18.13178	18.4	18	26.04218	26.10093	25.96239	0.26184	0.3	0	3.08055	0.01636	3.08055	220424897	4030210	88
08/22/2017 23:04:49	16.67324	16.69266	16.65515	729.38568	729.39996	729.29998	17.83361	17.89999	17.8	17.94592	18.1	17.8	26.05239	26.10093	25.9901	0.11231	0.3	0	3.16394	0	3.16361	220424897	4030210	88
08/22/2017 23:09:49	16.6767	16.68909	16.66211	729.29998	729.29998	729.29998	17.77343	17.8	17.59999	17.88741	18	17.8	26.05668	26.12864	25.9901	0.11397	0.3	0	3.24729	0.04235	3.24722	220424897	4030210	88
08/22/2017 23:14:49	16.67216	16.69367	16.65024	729.29998	729.29998	729.29998	17.64578	17.8	17.49999	17.75338	17.9	17.6	26.07641	26.21177	25.9901	0.10759	0.3	0	3.33065	0	3.33027	220424897	4030210	88
08/22/2017 23:19:49	16.67234	16.69367	16.65024	729.29998	729.29998	729.29998	17.52958	17.8	17.49999	17.57546	17.8	17.4	26.18307	26.23947	26.07323	0.07913	0.1	0	3.41403	0	3.41388	220424897	4030210	88
08/22/2017 23:24:49	16.67521	16.6909	16.65938	729.29998	729.29998	729.29998	17.46639	17.49999	17.39999	17.41614	17.5	17.4	26.18262	26.26718	26.07323	0.06371	0.1	0	3.4974	0	3.49694	220424897	4030210	88
08/22/2017 23:29:49	16.67447	16.6909	16.65938	729.29998	729.29998	729.29998	17.32961	17.39999	17.19999	17.34279	17.4	17.3	26.19895	26.29489	26.12864	0.04688	0.2	0	3.58077	0.02122	3.58055	220424897	4030210	88
08/22/2017 23:34:49	16.67447	16.6909	16.65938	729.29998	729.29998	729.29998	17.32961	17.39999	17.19999	17.34279	17.4	17.3	26.19895	26.29489	26.12864	0.04688	0.2	0	3.66414	0	3.66361	220424897	4030210	88
08/22/2017 23:39:49	16.6744	16.6909	16.65938	729.29998	729.29998	729.29998	17.13314	17.19999	16.99999	17.31344	17.4	17.3	26.2072	26.26718	26.12864	0.18029	0.4	0.1	3.74751	0.01623	3.74722	220424897	4030210	88
08/22/2017 23:44:49	16.6744	16.6909	16.65938	729.29998	729.29998	729.29998	17.13314	17.19999	16.99999	17.31344	17.4	17.3	26.2072	26.26718	26.12864	0.18029	0.4	0.1	3.83088	0	3.83027	220424897	4030210	88
08/22/2017 23:49:49	16.67458	16.69367	16.65245	729.34545	729.39996	729.29998	16.93294	16.99999	16.8	17.50736	17.8	17.4	26.21116	26.26718	26.15635	0.57442	1	0.4	3.91426	0.09614	3.91388	220424897	4030210	88
08/22/2017 23:54:49	16.67458	16.69367	16.65245	729.34545	729.39996	729.29998	16.93294	16.99999	16.8	17.50736	17.8	17.4	26.21116	26.26718	26.15635	0.57442	1	0.4	3.99762	0.06712	3.99694	220424897	4030210	88
08/22/2017 23:59:49	16.67438	16.69229	16.66075	729.29998	729.29998	729.29998	16.81008	16.89999	16.69999	17.53341	17.6	17.4	26.32924	26.40572	26.21177	0.72333	0.9	0.6	4.08099	0.0212	4.08055	220424897	4030210	88
08/23/2017 00:04:49	16.67438	16.69229	16.66075	729.29998	729.29998	729.29998	16.81008	16.89999	16.69999	17.53341	17.6	17.4	26.32924	26.40572	26.21177	0.72333	0.9	0.6	4.16435	0.07985	4.16361	220424897	4030210	88
08/23/2017 00:09:49	16.67234	16.69367	16.65481	729.30096	729.39996	729.29998	16.79664	16.8	16.69999	17.6265	17.8	17.5	26.32699	26.37801	26.23947	0.82985	1	0.7	4.2477	0	4.24694	220424897	4030210	88
08/23/2017 00:14:49	16.67351	16.69367	16.66075	729.29998	729.29998	729.29998	16.76709	16.8	16.69999	17.68024	17.8	17.5	26.37832	26.48885	26.26718	0.91314	1.1	0.7	4.33105	0	4.33027	220424897	4030210	88
08/23/2017 00:19:49	16.67184	16.68315	16.66075	729.29998	729.29998	729.29998	16.75314	16.8	16.69999	17.72644	17.8	17.6	26.44116	26.54426	26.35031	0.97329	1.1	0.8	4.4144	0.0375	4.41361	220424897	4030210	88
08/23/2017 00:24:49	16.67099	16.68315	16.63379	729.29998	729.29998	729.29998	16.75963	16.8	16.69999	17.61361	17.8	17.5	26.49674	26.57197	26.40572	0.85398	1.1	0.7	4.49774	0	4.49722	220424897	4030210	88
08/23/2017 00:29:49	16.67099	16.68315	16.63379	729.29998	729.29998	729.29998	16.75963	16.8	16.69999	17.61361	17.8	17.5	26.49674	26.57197	26.40572	0.85398	0.9	0.6	4.58112	0	4.58055	220424897	4030210	88
08/23/2017 00:34:49	16.67481	16.69545	16.65938	729.29998	729.29998	729.29998	16.73023	16.8	16.69999	17.37578	17.5	17.3	26.48638	26.54426	26.37801	0.64554	0.8	0.5	4.66449	0.03745	4.66388	220424897	4030210	88
08/23/2017 00:39:49	16.67481	16.69545	16.65938	729.29998	729.29998	729.29998	16.73023	16.8	16.69999	17.37578	17.5	17.3	26.48638	26.54426	26.37801	0.64554	0.8	0.5	4.74788	0.05368	4.74694	220424897	4030210	88
08/23/2017 00:44:49	16.67469	16.69545	16.6566	729.29998	729.29998	729.29998	16.72352	16.8	16.69999	17.27329	17.4	17	26.50203	26.57197	26.40572	0.54976	0.7	0.2	4.83125	0	4.83027	220424897	4030210	88
08/23/2017 00:49:49	16.67537	16.69545	16.65065	729.30096	729.39996	729.29998	16.7094	16.8	16.69999	16.91629	17.3	16.8	26.5134	26.57197	26.43343	0.20689	0.29999	0	4.91461	0.00519	4.91361	220424897	4030210	88
08/23/2017 00:54:49	16.67297	16.6852	16.65232	729.29998	729.29998	729.29998	16.57284	16.69999	16.39999	16.6199	16.7	16.4	26.54905	26.6828	26.46114	0.16015	0.3	0	4.99797	0	4.99722	220424897	4030210	88
08/23/2017 00:59:49	16.67297	16.6852	16.65232	729.29998	729.29998	729.29998	16.57284	16.69999	16.39999	16.6199	16.7	16.4	26.54905	26.6828	26.46114	0.16015	0.3	0	5.08133	0	5.08027	220424897	4030210	88
08/23/2017 01:04:49	16.67285	16.69567	16.64185	729.29998	729.29998	729.29998	16.40334	16.59999	16.3	16.62327	16.8	16.4	26.63441	26.76593	26.51655	0.21992	0.4	0	5.16469	0.03732	5.16361	220424897	4030210	88
08/23/2017 01:09:49	16.67407	16.68823	16.64636	729.29998	729.29998	729.29998	16.32941	16.39999	16.19999	16.37331	16.4	16.3	26.66992	26.79363	26.54426	0.05022	0.2	0	5.24806	0	5.24694	220424897	4030210	88
08/23/2017 01:14:49	16.67767	16.68823	16.65683	729.29998	729.29998	729.29998	16.24552	16.39999	16.09999	16.30316	16.4	16.3	26.71821	26.84905	26.59967	0.06302	0.2	0	5.33141	0	5.33027	220424897	4030210	88
08/23/2017 01:19:49	16.67306	16.69567	16.65232	729.29998	729.29998	729.29998	16.17647	16.19999	16.09999	16.50758	16.7	16.4	26.7044	26.84905	26.59967	0.33111	0.6	0.2	5.41477	0.01601	5.41388	220424897	4030210	88
08/23/2017 01:24:49	16.67288	16.69567	16.65232	729.30401	729.39996	729.29998	16.13364	16.19999	16.09999	16.51927	16.7	16.3	26.71042	26.82134	26.59967	0.38563	0.6	0.2	5.49814	0.0213	5.49694	220424897	4030210	88
08/23/2017 01:29:49	16.67522	16.68885	16.65536	729.37475	729.39996	729.29998	16.09327	16.09999	15.99999	16.29593	16.4	16.1	26.78444	26.84905	26.71051	0.20266	0.4	0	5.58151	0.03731	5.58055	220424897	4030210	88
08/23/2017 01:34:49	16.67522	16.68885	16.65536	729.36755	729.39996	729.29998	16.01048	16.09999	15.8	16.08656	16.2	16	26.81417	26.87675	26.73822	0.10296	0.4	0	5.66489	0.0373	5.66361	220424897	4030210	88
08/23/2017 01:39:49	16.67585	16.69869	16.65536	729.32232	729.39996	729.29998	15.87358	16.09999	15.8	16.25695	16.3	16.1	26.80804	26.87675	26.73822	0.38337	0.5	0	5.74827	0.0373	5.74694	220424897	4030210	88
08/23/2017 01:44:49	16.67647	16.69869	16.66493	729.3504	729.39996	729.29998	15.8	15.99999	15.69999	16.30672	16.4	16.3	26.81902	26.87675	26.73822	0.50672	0.6	0.3	5.83163	0	5.83027	220424897	4030210	88
08/23/2017 01:49:49	16.67776	16.69272	16.66133	729.29998	729.29998	729.29998	15.75986	15.8	15.69999	16.30001	16.4	16.2	26.82745	26.93217	26.76593	0.54015	0.7	0.4	5.91498	0	5.91361	220424897	4030210	88
08/23/2017 01:54:49	16.67587	16.6972	16.65985	729.3161	729.39996	729.29998	15.69933	15.8	15.59999	16.09664	16.1	16	26.91106	27.043	26.76593	0.39731	0.5	0.3	5.99836	0	5.99722	220424897	4030210	88
08/23/2017 01:59:49	16.67587	16.6972	16.65985	729.3161	729.39996	729.29998	15.69933	15.8	15.59999	16.09664	16.1	16	26.91106	27.043	26.76593	0.39731	0.6	0.3	6.08171	0.03727	6.08055	220424897	4030210	88
08/23/2017 02:04:49	16.67104	16.70167	16.65836	729.29998	729.29998	729.29998	15.63022	15.69999	15.49999	15.98992	16.1	15.8	26.93668	27.0153	26.76593	0.3597	0.5	0.1	6.16507	0	6.16388	220424897	4030210	88
08/23/2017 02:09:49	16.67104	16.70167	16.65836	729.29998	729.29998	729.29998	15.63022	15.69999	15.49999	15.98992	16.1	15.8	26.93668	27.0153	26.76593	0.3597	0.5	0.1	6.24842	0.03727	6.24694	220424897	4030210	88
08/23/2017 02:14:49	16.67282	16.68674	16.6494	729.29998	729.29998	729.29998	15.51009	15.59999	15.49999	16.02354	16.1	16	26.96666	27.043	26.90446	0.51345	0.6	0.4	6.33178	0.05858	6.33055	220424897	4030210	88
08/23/2017 02:19:49	16.67282	16.68674	16.6494	729.29998	729.29998	729.29998	15.51009	15.59999	15.49999	16.02354	16.1	16	26.96666	27.043	26.90446	0.51345	0.6	0.4	6.41515	0.03727	6.41388	220424897	4030210	88
08/23/2017 02:24:49	16.67453	16.68674	16.65536	729.29998	729.29998	729.29998	15.49999	15.49999	15.49999	16.04978	16.1	16	27.0169	27.12613	26.90446	0.54978	0.6	0.5	6.4985	0.00537	6.49694	220424897	4030210	88
08/23/2017 02:29:49	16.67355	16.69122	16.65985	729.29882	729.29998	729.20001	15.4733	15.49999	15.39999	15.96004	16	15.8	27.05826	27.15384	26.95988	0.48674	0.6	0.3	6.58185	0.04262	6.58055	220424897	4030210	88
08/23/2017 02:34:49	16.67171	16.68313	16.65028	729.20001	729.20001	729.20001	15.42937	15.49999	15.39999	15.89951	16	15.8	27.07531	27.26467	26.93217	0.47013	0.6	0.3	6.66519	0.09051	6.66361	220424897	4030210	88
08/23/2017 02:39:49	16.6729	16.69359	16.65028	729.20001	729.20001	729.20001	15.40339	15.49999	15.19999	15.79857	16	15.7	27.13233	27.32008	27.043	0.39518	0.6	0.3	6.74854	0.03191	6.74694	220424897	4030210	88
08/23/2017 02:44:49	16.67226	16.69359	16.65028	729.20001	729.20001	729.20001	15.38652	15.39999	15.19999	15.89375	16.1	15.7	27.2038	27.3755	27.043	0.50723	0.9	0.3	6.83189	0.05321	6.83027	220424897	4030210	88
08/23/2017 02:49:49	16.67358	16.69359	16.65028	729.20001	729.20001	729.20001	15.18675	15.39999	15.09999	15.76184	16	15.6	27.32527	27.43092	27.15384	0.57508	0.9	0.3	6.91524	0.01589	6.91388	220424897	4030210	88
08/23/2017 02:54:49	16.67358	16.69359	16.65028	729.20001	729.20001	729.20001	15.18675	15.39999	15.09999	15.76184	16	15.6	27.32527	27.43092	27.15384	0.57508	0.5	0.3	6.99859	0.02134	6.99694	220424897	4030210	88
08/23/2017 02:59:49	16.67367	16.68609	16.65325	729.20001	729.20001	729.20001	15.14975	15.19999	15.09999	15.54997	15.7	15.4	27.40802	27.48634	27.23696	0.40021	0.5	0.3	7.08196	0.07435	7.08027	220424897	4030210	88

08/23/2017 03:04:49	16.67623	16.69944	16.65018	729.20001	729.20001	729.20001	15.08991	15.19999	14.89999	15.36904	15.5	15.1	27.44881	27.54175	27.3755	0.27913	0.5	0	7.16533	0.03718	7.16388	220424897	4030210	88
08/23/2017 03:09:49	16.67623	16.69944	16.65018	729.20001	729.20001	729.20001	15.08991	15.19999	14.89999	15.36904	15.5	15.1	27.44881	27.54175	27.3755	0.27913	0.5	0	7.24869	0	7.24694	220424897	4030210	88
08/23/2017 03:14:49	16.6748	16.69055	16.65922	729.20001	729.20001	729.20001	14.96635	15.09999	14.89999	15.51441	15.6	15.1	27.44594	27.56945	27.3755	0.54806	0.7	0.1	7.33204	0	7.33055	220424897	4030210	88
08/23/2017 03:19:49	16.6748	16.69055	16.65922	729.20001	729.20001	729.20001	14.96635	15.09999	14.89999	15.51441	15.6	15.1	27.44594	27.56945	27.3755	0.54806	0.7	0.1	7.41541	0.03148	7.41361	220424897	4030210	88
08/23/2017 03:24:49	16.67344	16.70672	16.65147	729.20001	729.20001	729.20001	14.91681	14.99999	14.89999	14.90607	15.1	14.6	27.50646	27.65258	27.40321	0.0888	0.29999	0	7.49876	0.02143	7.49694	220424897	4030210	88
08/23/2017 03:29:49	16.6733	16.68783	16.65225	729.1333	729.20001	729.09997	14.79977	14.89999	14.59999	14.37309	14.4	14.3	27.64018	27.79112	27.51404	0.42668	0.59999	0.19999	7.58211	0.01564	7.58055	220424897	4030210	88
08/23/2017 03:34:49	16.6733	16.68783	16.65225	729.1333	729.20001	729.09997	14.79977	14.89999	14.59999	14.37309	14.4	14.3	27.64018	27.79112	27.51404	0.42668	0.59999	0.19999	7.66547	0	7.66361	220424897	4030210	88
08/23/2017 03:39:49	16.67685	16.69504	16.65336	729.03326	729.09997	729	14.50335	14.59999	14.39999	14.86814	15	14.6	27.68159	27.76341	27.56945	0.36479	0.5	0.1	7.74886	0.07432	7.74722	220424897	4030210	88
08/23/2017 03:44:49	16.67685	16.69504	16.65336	729.03326	729.09997	729	14.50335	14.59999	14.39999	14.86814	15	14.6	27.68159	27.76341	27.56945	0.36479	0.5	0.1	7.83223	0.01295	7.83027	220424897	4030210	88
08/23/2017 03:49:49	16.67461	16.69742	16.65779	728.96765	729	728.89996	14.44639	14.49999	14.39999	14.94668	15	14.8	27.73552	27.79112	27.68029	0.50029	0.6	0.3	7.9156	0.04558	7.91361	220424897	4030210	88
08/23/2017 03:54:49	16.67784	16.70183	16.64817	728.90893	729	728.79998	14.35626	14.39999	14.29999	14.59038	14.8	14.4	27.74147	27.81883	27.68029	0.23412	0.4	0	7.99898	0.06123	7.99722	220424897	4030210	88
08/23/2017 03:59:49	16.67784	16.70183	16.64817	728.90893	729	728.79998	14.35626	14.39999	14.29999	14.59038	14.8	14.4	27.74147	27.81883	27.68029	0.23412	0.4	0	8.08235	0.03707	8.08027	220424897	4030210	88
08/23/2017 04:04:49	16.67626	16.69056	16.65698	728.91113	729	728.79998	14.24305	14.29999	14.19999	14.36662	14.4	14.3	27.75848	27.87424	27.708	0.12357	0.2	0	8.16573	0.02863	8.16388	220424897	4030210	88
08/23/2017 04:09:49	16.67626	16.69056	16.65698	728.91113	729	728.79998	14.24305	14.29999	14.19999	14.36662	14.4	14.3	27.75848	27.87424	27.708	0.12357	0.2	0	8.24911	0.05274	8.24694	220424897	4030210	88
08/23/2017 04:14:49	16.67329	16.68819	16.65098	728.89898	729	728.79998	14.19327	14.19999	13.99999	14.31659	14.4	14.3	27.7974	27.90195	27.708	0.12331	0.3	0.1	8.33252	0.03707	8.33027	220424897	4030210	88
08/23/2017 04:19:49	16.67557	16.69056	16.65698	728.88989	728.89996	728.79998	14.08607	14.19999	13.99999	14.36705	14.4	14.3	27.83791	27.92966	27.7357	0.28097	0.4	0.1	8.41593	0.01562	8.41361	220424897	4030210	88
08/23/2017 04:24:49	16.67463	16.69258	16.65098	728.92926	729	728.89996	14.0202	14.19999	13.99999	14.29328	14.4	14	27.87482	27.95737	27.79112	0.27308	0.4	0	8.49938	0.05849	8.49694	220424897	4030210	88
08/23/2017 04:29:49	16.67523	16.68729	16.65813	728.85357	728.89996	728.79998	13.89909	13.99999	13.79999	13.95628	14	13.9	27.89531	27.95737	27.84653	0.07734	0.2	0	8.58285	0	8.58055	220424897	4030210	88
08/23/2017 04:34:49	16.67523	16.68729	16.65813	728.85357	728.89996	728.79998	13.89909	13.99999	13.79999	13.95628	14	13.9	27.89531	27.95737	27.84653	0.07734	0.2	0	8.66626	0.03703	8.66361	220424897	4030210	88
08/23/2017 04:39:49	16.67381	16.68729	16.65011	728.83123	728.89996	728.79998	13.8195	13.89999	13.79999	13.94977	14	13.9	27.91675	28.01278	27.81883	0.13026	0.2	0	8.74967	0.03703	8.74694	220424897	4030210	88
08/23/2017 04:44:49	16.67109	16.69165	16.65011	728.79998	728.79998	728.79998	13.7834	13.79999	13.69999	13.89664	13.9	13.8	27.94132	28.04049	27.84653	0.11323	0.2	0	8.83307	0.07403	8.83055	220424897	4030210	88
08/23/2017 04:49:49	16.67109	16.69165	16.65011	728.79998	728.79998	728.79998	13.7834	13.79999	13.69999	13.89664	13.9	13.8	27.94132	28.04049	27.84653	0.11323	0.2	0	8.91646	0.03705	8.91361	220424897	4030210	88
08/23/2017 04:54:49	16.67313	16.69402	16.65011	728.72827	728.79998	728.70001	13.73295	13.79999	13.59999	13.88319	13.9	13.8	27.96275	28.0682	27.84653	0.15023	0.3	0	8.99986	0	8.99694	220424897	4030210	88
08/23/2017 04:59:49	16.67779	16.69402	16.66286	728.69897	728.70001	728.59997	13.64371	13.79999	13.59999	13.97041	14	13.8	28.01797	28.12362	27.84653	0.32669	0.4	0.1	9.08328	0.03699	9.08027	220424897	4030210	88
08/23/2017 05:04:49	16.67486	16.69165	16.6605	728.76269	728.79998	728.70001	13.60672	13.69999	13.59999	13.93317	14	13.8	28.05959	28.17903	27.95737	0.32645	0.4	0.1	9.1667	0	9.16361	220424897	4030210	88
08/23/2017 05:09:49	16.67674	16.69601	16.65448	728.80603	728.89996	728.79998	13.56013	13.59999	13.39999	13.763	13.8	13.7	28.06129	28.20674	27.95737	0.20286	0.4	0.1	9.25012	0.00844	9.24694	220424897	4030210	88
08/23/2017 05:14:49	16.6747	16.69601	16.65648	728.84448	728.89996	728.79998	13.41345	13.59999	13.39999	13.7794	13.9	13.7	28.06428	28.15133	27.95737	0.36595	0.5	0.2	9.33353	0.07399	9.33055	220424897	4030210	88
08/23/2017 05:19:49	16.6747	16.69601	16.65648	728.84448	728.89996	728.79998	13.41345	13.59999	13.39999	13.7794	13.9	13.7	28.06428	28.15133	27.95737	0.36595	0.5	0.2	9.41698	0.00585	9.41361	220424897	4030210	88
08/23/2017 05:24:49	16.67608	16.69364	16.65612	728.89483	729	728.79998	13.39999	13.59999	13.29999	13.88045	14.2	13.7	28.06046	28.17903	27.92966	0.48046	0.8	0.2	9.50042	0.07412	9.49694	220424897	4030210	88
08/23/2017 05:29:49	16.67733	16.70171	16.6481	728.68689	728.70001	728.59997	13.38048	13.39999	13.29999	14.06307	14.3	13.9	28.11649	28.23445	28.04049	0.68259	1	0.5	9.58388	0.04555	9.58055	220424897	4030210	88
08/23/2017 05:34:49	16.67733	16.70171	16.6481	728.68689	728.70001	728.59997	13.38048	13.39999	13.29999	14.06307	14.3	13.9	28.11649	28.23445	28.04049	0.68259	1	0.6	9.6673	0.00575	9.66361	220424897	4030210	88
08/23/2017 05:39:49	16.67592	16.6997	16.6481	728.66461	728.70001	728.59997	13.39326	13.39999	13.29999	14.25804	14.4	14	28.1225	28.23445	28.01278	0.86478	1	0.6	9.75073	0.0956	9.74694	220424897	4030210	88
08/23/2017 05:44:49	16.67583	16.6997	16.66011	728.64441	728.70001	728.59997	13.40672	13.59999	13.39999	14.24617	14.3	14	28.09348	28.17903	27.98507	0.83944	0.9	0.6	9.83416	0.03708	9.83055	220424897	4030210	88
08/23/2017 05:49:49	16.67538	16.6893	16.66085	728.59997	728.59997	728.59997	13.39999	13.39999	13.39999	14.18974	14.3	14	28.13682	28.23445	28.01278	0.78974	0.9	0.6	9.91759	0.03708	9.91388	220424897	4030210	88
08/23/2017 05:54:49	16.67446	16.6997	16.65046	728.60107	728.70001	728.5	13.42018	13.59999	13.39999	14.19178	14.3	14	28.15439	28.23445	28.04049	0.77159	0.9	0.6	10.00104	0.06432	9.99722	220424897	4030210	88
08/23/2017 05:59:49	16.67446	16.6997	16.65046	728.60107	728.70001	728.5	13.42018	13.59999	13.39999	14.19178	14.3	14	28.15439	28.23445	28.04049	0.77159	0.9	0.6	10.08451	0.02146	10.08027	220424897	4030210	88
08/23/2017 06:04:49	16.67638	16.69732	16.65849	728.69598	728.70001	728.59997	13.42552	13.59999	13.39999	14.076	14.3	13.9	28.1775	28.28986	28.0682	0.65047	0.9	0.3	10.16797	0	10.16361	220424897	4030210	88
08/23/2017 06:09:49	16.67759	16.68966	16.6605	728.75561	728.79998	728.70001	13.42016	13.59999	13.39999	13.99396	14	13.9	28.18021	28.26216	28.0682	0.57379	0.6	0.4	10.2514	0.01557	10.24694	220424897	4030210	88
08/23/2017 06:14:49	16.67648	16.68928	16.6605	728.88586	728.89996	728.79998	13.44032	13.59999	13.39999	13.95022	14	13.9	28.20208	28.26216	28.15133	0.50989	0.6	0.3	10.33483	0	10.33027	220424897	4030210	88
08/23/2017 06:19:49	16.67327	16.68691	16.65576	728.99493	729	728.89996	13.41009	13.59999	13.29999	13.97983	14	13.9	28.1949	28.26216	28.09591	0.56974	0.7	0.4	10.41828	0.05259	10.41388	220424897	4030210	88
08/23/2017 06:24:49	16.67327	16.68691	16.65576	728.99493	729	728.89996	13.41009	13.59999	13.29999	13.97983	14	13.9	28.1949	28.26216	28.09591	0.56974	0.7	0.4	10.50173	0	10.49694	220424897	4030210	88
08/23/2017 06:29:49	16.67467	16.69056	16.65339	729.05053	729.09997	729	13.38986	13.59999	13.29999	13.91991	14	13.8	28.21963	28.28986	28.15133	0.53004	0.6	0.3	10.58518	0	10.58055	220424897	4030210	88
08/23/2017 06:34:49	16.67454	16.68819	16.65941	729.15954	729.20001	729.09997	13.40337	13.59999	13.29999	13.94376	14	13.8	28.21963	28.28986	28.15133	0.53004	0.6	0.4	10.66862	0.013	10.66388	220424897	4030210	88
08/23/2017 06:39:49	16.67454	16.68819	16.65941	729.15954	729.20001	729.09997	13.40337	13.59999	13.29999	13.94376	14	13.8	28.21346	28.26216	28.15133	0.54038	0.6	0.4	10.75207	0.03699	10.74694	220424897	4030210	88
08/23/2017 06:44:49	16.67264	16.68454	16.65539	729.19195	729.20001	729.09997	13.41343	13.59999	13.39999	13.88655	14	13.8	28.21439	28.28986	28.15133	0.47311	0.6	0.2	10.83553	0.01555	10.83027	220424897	4030210	88
08/23/2017 06:49:49	16.67433	16.68889	16.65975	729.19598	729.20001	729.09997	13.38653	13.39999	13.29999	13.80291	13.9	13.7	28.20674	28.26216	28.15133	0.41638	0.5	0.3	10.91898	0	10.91388	220424897	4030210	88
08/23/2017 06:54:49	16.67158	16.70125	16.65975	729.20001	729.20001	729.20001	13.3899	13.39999	13.29999	13.68253	13.8	13.6	28.20474	28.26216	28.12362	0.29263	0.4	0.2	11.00244	0	10.99722	220424897	4030210	88
08/23/2017 06:59:49	16.67158	16.70125	16.65975	729.20001	729.20001	729.20001	13.3899	13.39999	13.29999	13.68253	13.8	13.6	28.20474	28.26216	28.12362	0.29263	0.4	0.2	11.08591	0.05847	11.08027	220424897	4030210	88
08/23/2017 07:04:49	16.67142	16.68484	16.65975	729.20098	729.29998	729.20001	13.37716	13.39999	13.29999	13.68993	13.7	13.6	28.26047	28.34528	28.17903	0.31276	0.4	0.2	11.16933	0.03691	11.16361	220424897	4030210	88
08/23/2017 07:09:49	16.67183	16.69351	16.66006	729.25958	729.29998	729.20001	13.36325	13.39999	13.29999	13.47873	13.7	13.4	28.24806	28.34528	28.17903	0.11548	0.3	0	11.2528	0	11.24694	220424897	4030210	88
08/23/2017 07:14:49	16.67059	16.68511	16.66006	729.29394	729.29998	729.20001	13.3464	13.39999	13.19999	13.4	13.6	13.3	28.23383	28.31757	28.17903	0.06033	0.3	0	11.33627	0	11.33027	220424897	4030210	88
08/23/2017 07:19:49	16.67066	16.68247	16.66006	729.29998	729.29998	729.29998	13.32015	13.39999	13.19999	13.42018	13.6	13.4	28.32402	28.4284	28.20674	0.10003	0.4	0	11.41972	0.01551	11.41388	220424897	4030210	88
08/23/2017 07:24:49	16.67256	16.70321	16.64969	729.29998	729.29998	729.29998	13.3296	13.39999	13.19999	13.50677	13.7	13.4	28.32267	28.4007	28.23445	0.17716	0.4	0	11.50317	0.04298	11.49694	220424897	4030210	88
08/23/2017 07:29:49	16.67686	16.69888	16.66006	729.29998	729.29998	729.29998	13.38316	13.39999	13.29999	13.6697	13.7	13.4	28.31884	28.4007	28.20674	0.28654	0.4	0	11.58662	0.03697	11.58055	220424897	4030210	88
08/23/2017 07:34:49	16.67686	16.69888	16.66006	729.29998	729.29998	729.29998	13.38316	13.39999	13.29999	13.6697	13.7	13.4	28.31884	28.4007	28.20674	0.28654	0.4	0	11.67004	0.03698	11.66361	220424897	4030210	88
08/23/2017 07:39:49	16.6771	16.69453	16.64969	729.30096	729.39996	729.29998	13.47888	13.59999	13.39999	13.67176	13.8	13.4	28.34215	28.48382	28.20674	0.21707	0.4	0.1	11.75344	0	11.74722	220424897	4030210	88
08/23/2017 07:44:49	16.6766	16.69888	16.65739	729.3233	729.39996	729.29998	13.47888	13.59999	13.39999	13.67176	13.8	13.4	28.34215	28.48382	28.20674	0.21707	0.4	0	11.83685	0.04544	11.83055	220424897	4030210	88
08/23/2017 07:49:49	16.6766	16.69888	16.65739	729.3233	729.39996	729.29998	13.58653	13.69999	13.39999	13.73675	13.8	13.7	28.27923	28.37299	28.12362	0.15022	0.4	0	11.92027	0	11.91361	220424897	4030210	88
08/23/2017 07:54:49	16.67305	16.69216	16.66104	729.39795	729.39996	729.29998	13.65357	13.79999	13.59999	13.81995	13.9	13.7	28.22526	28.34528	28.15133	0.16637	0.3	0	12.00368	0.07404	11.99694	220424897	4030210	88
08/23/2017 07:59:49	16.67521	16.69383	16.66104	729.39996	729.39996	729.39996	13.80336	13.89999	13.79999	13.95976	14.2	13.8	28.20111	28.28986	28.12362	0.1564	0.4	0	12.08709	0.03114	12.08055	220424897	4030210	88
08/23/2017 08:04:49	16.6734	16.70588	16.64192	729.39996	729.39996	729.39996	13.87373	13.99999	13.79999	14.12982	14.3	13.9	28.18759	28.23445	28.12362	0.25609	0.5	0	12.17052	0	12.16388	220424897	4030210	88
08/23/2017 08:09:49	16.6734	16.70588	16.64192	729.39996	729.39996	729.39996	13.87373	13.99999	13.79999	14.12982	14.3	13.9	28.18759	28.23445	28.12362	0.25609	0.5	0	12.25395	0.02141	12.24694	220424897	4030210	88
08/23/2017 08:14:49	16.67424	16.70151	16.65994	729.39996	729.39996	729.39996	13.97307	13.99999	13.89999	14.3219	14.4	14	28.18936	28.23445	28.09591	0.34883	0.5	0	12.33738	0.05846	12.33027	220424897	4030210	88
08/23/2017 08:19:49	16.67361	16.69713	16.65994	729.39996	729.39996	729.39996	14.13276	14.19999	13.99999	14.32662	14.4	14.3	28.17016	28.23445	28.0682	0.19386	0.4	0.1	12.42081	0	12.41361	220424897	4030210	88
08/23/2017 08:24:49	16.67776	16.70037	16.66155	729.39996	729.39996	729.39996	14.36702	14.39999	14.29999	14.80469	15	14.5	28.10722	28.20674	28.01278	0.43767	0.6	0.1	12.50424	0.03709	12.49722	220424897	4030210	88
08/23/2017 08:29:49	16.67776	16.70037	16.66155	729.39996	729.39996	729.39996	14.36702	14.39999	14.29999	14.80469	15	14.5	28.10722	28.20674	28.01278	0.43767	0.6	0.1	12.58766	0.05283	12.58027	220424897	4030210	88
08/23/2017 08:34:49	16.67363	16.69597	16.65432	729.39996	729.39996	729.39996	14.73374	14.89999	14.49999	14.96672	15.1	14.8	28.06801	28.17903	27.95737	0.23298	0.5	0	12.67109	0	12.66388	220424897	4030210	88
08/23/2017 08:39:49	16.67553	16.6947	16.66186	729.39996	729.39996	729.39996	14.89976	15.09999	14.8	15.41544	15.6	15.1	28.06956	28.23445	27.98507	0.51567	0.7	0.2	12.75454	0	12.74722	220424897	4030210	88
08/23/2017 08:44:49	16.67553	16.6947	16.66186	729.39996	729.39996	729.39996	14.89976	15.09999	14.8	15.41544	15.6	15.1	28.06956	28.23445	27.98507	0.51567	0.7	0.2	12.83796	0.05306	12.83027	220424897	4030210	88
08/23/2017 08:49:49	16.67511	16.70069	16.64851	729.39996	729.39996	729.39996	15.12323	15.19999	14.99999	15.56422	15.8	15.2	28.05289	28.20674	27.98507	0.44099	0.6	0.1	12.92137	0.02131	12.91361	220424897	4030210	88
08/23/2017 08:54:49	16.67573	16.70224	16.65003	729.39996	729.39996	729.39996	15.39102	15.59999	15.09999	15.63043	16	15.4	28.04664	28.12362	27.98507	0.23941	0.5	0	13.00479	0	12.99694	220424897	4030210	88
08/23/2017 08:59:49	16.67508	16.69483	16.656	729.39996	729.39996	729.39996	15.94444	16.09999	15.69999	16.15391	16.3	15.8	28.02318	28.09591	27.90195	0.20947	0.5	0	13.08822	0.03732	13.08055	220424897	4030210	88
08/23/2017 09:04:49	16.67508	16.69483	16.656	729.39996	729.39996	729.39996	15.94444	16.09999	15.69999	16.15391	16.3	15.8	28.02318	28.09591	27.90195	0.20947	0.5	0	13.17165	0	13.16361	220424897	4030210	88
08/23/2017 09:09:49	16.67622	16.69927	16.65446	729.39996	729.39996	729.39996	16.23067	16.39999	16.09999	16.36084	16.7	16.1	27.9772	28.0682	27.84653	0.1638	0.4	0	13.25508	0	13.24694	220424897	4030210	88
08/23/2017 09:14:49	16.67494	16.69476	16.66043	729.39996	729.39996	729.39996	16.84991	16.99999	16.69999	16.57794	16.8	16.3	27.94242	28.0682	27.81883	0.27196	0.49999	0	13.33852	0	13.33055	220424897	4030210	88
08/23/2017 09:19:49	16.67494	16.69476	16.66043	729.39996	729.39996	729.39996	16.84991	16.99999	16.69999	16.57794	16.8	16.3	27.94242	28.0682	27.81883	0.27196	0.49999	0	13.42197	0.04245	13.41361	220424897	4030210	88
08/23/2017 09:24:49	16.67632	16.69762	16.66043	729.39996	729.39996	729.39996	17.18087	17.3	16.99999	16.73832	17.2	16.4	27.86485	27.98507	27.7357	0.44255	0.79999	0.09999	13.50543	0.06366	13.49694	220424897	4030210	88
08/23/2017 09:29:49	16.67499	16.69308	16.64375	729.39996	729.39996	729.39996	17.43674	17.49999	17.3	17.2389	17.4	17	27.78392	27.90195	27.68029	0.19784	0.49999	0	13.58887	0.02119	13.58027	220424897	4030210	88
08/23/2017 09:34:49	16.67601	16.70182	16.65245	729.39996	729.39996	729.39996	17.7338	17.89999	17.49999	17.55251	18	17.2	27.87083	27.95737	27.76341	0.28222	0.49999	0	13.67231	0.03749	13.66361	220424897	4030210	88
08/23/2017 09:39:49	16.67523	16.6913	16.65515	729.39996	729.39996	729.39996	18.32429	18.49999	18.09999	17.6663	18	17.4	27.81168	27.90195	27.708	0.65799	0.99999	0.19999	13.75575	0.03748	13.74722	220424897	4030210	88
08/23/2017 09:44:49	16.67442	16.70182	16.65974	729.39996	729.39996	729.39996	18.62702	18.8	18.39999	17.93643	18.2	17.5	27.72806	27.84653	27.62487	0.69059	0.99999	0.49999	13.83921	0.02116	13.83055	220424897	4030210	88
08/23/2017 09:49:49	16.67442	16.70182	16.65974	729.39996	729.39996	729.39996	18.62702	18.8	18.39999	17.93643	18.2	17.5	27.72806	27.84653	27.62487	0.69059	0.99999	0.49999	13.92263	0.07518	13.91361	220424897	4030210	88
08/23/2017 09:54:49	16.67474	16.70588	16.65187	729.39996	729.39996	729.39996	18.80992	19.09999	18.69999	18.11473	18.4	17.8	27.68853	27.84653	27.51404	0.69519	0.99999	0.29999	14.00604	0	13.99694	220424897	4030210	88

08/23/2017 09:59:49	16.67492	16.69925	16.65446	729.39996	729.39996	729.39996	19.34747	19.59999	19.19999	18.61813	19	18.4	27.59558	27.708	27.51404	0.72934	0.89999	0.3	14.08944	0.01653	14.08055	220424897	4030210	88
08/23/2017 10:04:49	16.67492	16.69925	16.65446	729.39996	729.39996	729.39996	19.34747	19.59999	19.19999	18.61813	19	18.4	27.59558	27.708	27.51404	0.72934	0.89999	0.3	14.17285	0.11299	14.16361	220424897	4030210	88
08/23/2017 10:09:49	16.67426	16.70303	16.64177	729.39996	729.39996	729.39996	19.84079	19.89999	19.69999	19.15765	19.6	18.7	27.54877	27.65258	27.40321	0.68314	1.19999	0.29999	14.25625	0.03765	14.24722	220424897	4030210	88
08/23/2017 10:14:49	16.67426	16.70303	16.64177	729.39996	729.39996	729.39996	19.84079	19.89999	19.69999	19.15765	19.6	18.7	27.54877	27.65258	27.40321	0.68314	1.29999	0.69999	14.3397	0.05438	14.33055	220424897	4030210	88
08/23/2017 10:19:49	16.6742	16.69835	16.6489	729.39996	729.39996	729.39996	20.35621	20.49999	20.19999	19.48473	19.7	19.3	27.47549	27.59716	27.3755	0.87148	1.09999	0.49999	14.42314	0.0421	14.41388	220424897	4030210	88
08/23/2017 10:24:49	16.6742	16.69835	16.6489	729.39996	729.39996	729.39996	20.35621	20.49999	20.19999	19.48473	19.7	19.3	27.47549	27.59716	27.3755	0.87148	1.09999	0.49999	14.50657	0.03778	14.49694	220424897	4030210	88
08/23/2017 10:29:49	16.67574	16.70197	16.65248	729.39795	729.39996	729.29998	20.90308	21.09999	20.8	19.95634	20.3	19.7	27.41714	27.51404	27.23696	0.94673	1.29999	0.49999	14.59	0.02099	14.58055	220424897	4030210	88
08/23/2017 10:34:49	16.67574	16.70197	16.65248	729.39795	729.39996	729.29998	20.90308	21.09999	20.8	19.95634	20.3	19.7	27.41714	27.51404	27.23696	0.94673	1.29999	0.49999	14.67344	0.03786	14.66361	220424897	4030210	88
08/23/2017 10:39:49	16.67365	16.70197	16.65248	729.39691	729.39996	729.29998	21.1172	21.19999	20.99999	20.16196	20.4	19.9	27.38318	27.48634	27.15384	0.95524	1.29999	0.59999	14.75689	0.02098	14.74694	220424897	4030210	88
08/23/2017 10:44:49	16.67421	16.69832	16.64768	729.31713	729.39996	729.29998	21.59363	21.69999	21.49999	20.62211	21.1	20.2	27.36697	27.56945	27.07071	0.97152	1.39999	0.49999	14.84034	0	14.83055	220424897	4030210	88
08/23/2017 10:49:49	16.67421	16.69832	16.64768	729.31713	729.39996	729.29998	21.59363	21.69999	21.49999	20.62211	21.1	20.2	27.36697	27.56945	27.07071	0.97152	1.39999	0.49999	14.92378	0.03397	14.91361	220424897	4030210	88
08/23/2017 10:54:49	16.67411	16.69719	16.65098	729.30304	729.39996	729.29998	21.81261	22.09999	21.69999	21.03433	21.4	20.6	27.4145	27.48634	27.23696	0.77827	1.19999	0.39999	15.0072	0.01231	14.99694	220424897	4030210	88
08/23/2017 10:59:49	16.67499	16.68988	16.65098	729.29998	729.29998	729.29998	22.3172	22.39999	22.19999	21.53742	21.8	21.2	27.40276	27.51404	27.12613	0.77977	1.19999	0.49999	15.09064	0.02091	15.08055	220424897	4030210	88
08/23/2017 11:04:49	16.67499	16.68988	16.65098	729.29998	729.29998	729.29998	22.3172	22.39999	22.19999	21.53742	21.8	21.2	27.40276	27.51404	27.12613	0.77977	1.19999	0.49999	15.17406	0.02087	15.16361	220424897	4030210	88
08/23/2017 11:09:49	16.67588	16.69892	16.65897	729.29998	729.29998	729.29998	22.64788	22.8	22.39999	21.86713	22.3	21.2	27.35362	27.48634	27.18155	0.78075	1.19999	0.49999	15.25751	0.03808	15.24694	220424897	4030210	88
08/23/2017 11:14:49	16.67452	16.69611	16.64482	729.2929	729.29998	729.20001	23.22973	23.39999	22.99999	22.29994	22.7	21.6	27.36677	27.48634	27.09842	0.92979	1.79999	0.49999	15.34094	0.01713	15.33055	220424897	4030210	88
08/23/2017 11:19:49	16.67452	16.69611	16.64482	729.2929	729.29998	729.20001	23.22973	23.39999	22.99999	22.29994	22.7	21.6	27.36677	27.48634	27.09842	0.92979	1.79999	0.49999	15.42439	0.04167	15.41361	220424897	4030210	88
08/23/2017 11:24:49	16.67659	16.70024	16.65372	729.22522	729.29998	729.20001	23.46028	23.59999	23.3	22.43842	22.8	21.6	27.37848	27.51404	27.15384	1.02185	1.79999	0.69999	15.50783	0.04499	15.49694	220424897	4030210	88
08/23/2017 11:29:49	16.67685	16.69948	16.65569	729.20001	729.20001	729.20001	23.75087	23.99999	23.49999	22.83677	23.3	22.6	27.27315	27.48634	27.09842	0.9141	1.19999	0.59999	15.59125	0.01232	15.58027	220424897	4030210	88
08/23/2017 11:34:49	16.67555	16.7014	16.65177	729.16052	729.20001	729	24.05263	24.39999	23.89999	22.9786	23.6	22.4	27.2837	27.45863	27.043	1.07403	1.59999	0.49999	15.67465	0.04164	15.66361	220424897	4030210	88
08/23/2017 11:39:49	16.67511	16.69197	16.65459	728.92627	729	728.79998	24.52323	24.69999	24.39999	22.78272	23.2	22.6	27.24533	27.43092	27.043	1.74051	1.99999	1.19999	15.7581	0.01235	15.74722	220424897	4030210	88
08/23/2017 11:44:49	16.67511	16.69197	16.65459	728.92627	729	728.79998	24.52323	24.69999	24.39999	22.78272	23.2	22.6	27.24533	27.43092	27.043	1.74051	1.99999	1.19999	15.84153	0.00336	15.83027	220424897	4030210	88
08/23/2017 11:49:49	16.67473	16.70648	16.65289	728.71411	728.79998	728.70001	24.95122	25.09999	24.69999	23.16349	23.6	22.7	27.23595	27.48634	27.09842	1.78773	2.29999	1.49999	15.92497	0.02077	15.91388	220424897	4030210	88
08/23/2017 11:54:49	16.67473	16.70648	16.65289	728.71411	728.79998	728.70001	24.95122	25.09999	24.69999	23.16349	23.6	22.7	27.23595	27.48634	27.09842	1.78773	2.29999	1.49999	16.00842	0.05907	15.99694	220424897	4030210	88
08/23/2017 11:59:49	16.6765	16.70129	16.65825	728.69195	728.70001	728.59997	25.31385	25.39999	25.19999	24.28957	24.6	23.8	27.11615	27.18155	27.043	1.02428	1.39999	0.69999	16.09184	0.0353	16.08055	220424897	4030210	88
08/23/2017 12:04:49	16.6765	16.70129	16.65825	728.69195	728.70001	728.59997	25.31385	25.39999	25.19999	24.28957	24.6	23.8	27.11615	27.18155	27.043	1.02428	2.09999	0.99999	16.17526	0.04449	16.16361	220424897	4030210	88
08/23/2017 12:09:49	16.67568	16.69458	16.64985	728.65655	728.70001	728.59997	25.57416	25.69999	25.39999	24.04313	24.5	23.5	27.13108	27.32008	27.07071	1.53103	2.09999	0.99999	16.2587	0.01219	16.24694	220424897	4030210	88
08/23/2017 12:14:49	16.67444	16.69864	16.6573	728.54138	728.59997	728.5	25.95966	26.19999	25.8	24.74744	25.1	24.5	27.11176	27.20925	27.0153	1.21221	1.59999	0.79999	16.34212	0.09755	16.33055	220424897	4030210	88
08/23/2017 12:19:49	16.67444	16.69864	16.6573	728.54138	728.59997	728.5	25.95966	26.19999	25.8	24.74744	25.1	24.5	27.11176	27.20925	27.0153	1.21221	1.59999	0.79999	16.42543	0.06485	16.41388	220424897	4030210	88
08/23/2017 12:24:49	16.67586	16.70706	16.6573	728.58081	728.59997	728.5	26.22793	26.39999	25.99999	25.06536	25.4	24.6	27.0858	27.18155	26.95988	1.16257	1.59999	0.79999	16.50863	0	16.49694	220424897	4030210	88
08/23/2017 12:29:49	16.67704	16.69864	16.65966	728.51715	728.59997	728.5	26.44386	26.59999	26.3	25.57743	25.8	25.3	27.04918	27.15384	26.95988	0.86643	1.19999	0.59999	16.59184	0.02057	16.58027	220424897	4030210	88
08/23/2017 12:34:49	16.67612	16.68973	16.65271	728.47369	728.5	728.39996	26.70338	26.89999	26.59999	25.94956	26.4	25.7	27.01674	27.12613	26.95988	0.75382	1.09999	0.29999	16.67504	0.02056	16.66361	220424897	4030210	88
08/23/2017 12:39:49	16.6762	16.69043	16.65721	728.39996	728.39996	728.39996	26.94044	27.09999	26.8	26.36052	26.6	26	27.02846	27.15384	26.90446	0.57992	0.89999	0.39999	16.75825	0.08219	16.74694	220424897	4030210	88
08/23/2017 12:44:49	16.67534	16.70265	16.65075	728.39996	728.39996	728.39996	27.1563	27.39999	26.99999	26.35052	26.9	26	27.0169	27.15384	26.90446	0.80577	1.09999	0.29999	16.84145	0	16.83027	220424897	4030210	88
08/23/2017 12:49:49	16.67383	16.69416	16.64431	728.29998	728.29998	728.29998	27.6802	27.8	27.49999	26.76625	27.5	26.4	27.00298	27.12613	26.90446	0.91395	1.39999	0.09999	16.92465	0	16.91388	220424897	4030210	88
08/23/2017 12:54:49	16.67383	16.69416	16.64431	728.29998	728.29998	728.29998	27.6802	27.8	27.49999	26.76625	27.5	26.4	27.00298	27.12613	26.90446	0.91395	1.39999	0.09999	17.00786	0.03874	16.99694	220424897	4030210	88
08/23/2017 12:59:49	16.67572	16.69482	16.64559	728.29998	728.29998	728.29998	27.96765	27.99999	27.8	26.87538	27.4	26.4	27.00215	27.12613	26.93217	1.09227	1.49999	0.59999	17.09107	0.01423	17.08027	220424897	4030210	88
08/23/2017 13:04:49	16.67718	16.7088	16.65645	728.29998	728.29998	728.29998	28.11049	28.3	27.99999	27.45008	28.1	27	26.98776	27.07071	26.90446	0.66041	0.89999	0.19999	17.17428	0.05722	17.16388	220424897	4030210	88
08/23/2017 13:09:49	16.67345	16.69382	16.64335	728.29998	728.29998	728.29998	28.61115	28.69999	28.39999	27.96754	28.6	27.4	26.93182	27.0153	26.76593	0.64361	1.29999	0	17.25748	0	17.24722	220424897	4030210	88
08/23/2017 13:14:49	16.67345	16.69382	16.64335	728.29998	728.29998	728.29998	28.61115	28.69999	28.39999	27.96754	28.6	27.4	26.93182	27.0153	26.76593	0.64361	1.29999	0	17.34069	0	17.33027	220424897	4030210	88
08/23/2017 13:19:49	16.67412	16.70083	16.64335	728.29187	728.29998	728.20001	29.03672	29.3	28.89999	28.44214	28.8	28.1	26.94046	27.043	26.76593	0.59458	0.99999	0.09999	17.42389	0.03047	17.41388	220424897	4030210	88
08/23/2017 13:24:49	16.67412	16.70083	16.64335	728.29187	728.29998	728.20001	29.03672	29.3	28.89999	28.44214	28.8	28.1	26.94046	27.043	26.76593	0.59458	0.99999	0.09999	17.50711	0.04088	17.49694	220424897	4030210	88
08/23/2017 13:29:49	16.67633	16.70193	16.65348	728.20001	728.20001	728.20001	29.50711	29.59999	29.39999	28.61586	29.3	28	26.91078	27.043	26.76593	0.89125	1.39999	0.29999	17.59032	0.07807	17.58055	220424897	4030210	88
08/23/2017 13:34:49	16.67633	16.70193	16.65348	728.20001	728.20001	728.20001	29.50711	29.59999	29.39999	28.61586	29.3	28	26.91078	27.043	26.76593	0.89125	1.29999	0.49999	17.67352	0.04079	17.66361	220424897	4030210	88
08/23/2017 13:39:49	16.67548	16.70246	16.63683	728.19799	728.20001	728.09997	29.93331	29.99999	29.8	28.98061	29.6	28.6	26.8724	26.95988	26.79363	0.9527	1.29999	0.39999	17.75673	0.07797	17.74722	220424897	4030210	88
08/23/2017 13:44:49	16.67548	16.70246	16.63683	728.19799	728.20001	728.09997	29.93331	29.99999	29.8	28.98061	29.6	28.6	26.8724	26.95988	26.79363	0.9527	1.29999	0.39999	17.83993	0.03897	17.83027	220424897	4030210	88
08/23/2017 13:49:49	16.67554	16.69775	16.65348	728.19598	728.20001	728.09997	30.08722	30.39999	29.99999	28.9269	29.4	28.4	26.84715	26.93217	26.79363	1.16031	1.69999	0.69999	17.92314	0.02039	17.91361	220424897	4030210	88
08/23/2017 13:54:49	16.67478	16.70246	16.63872	728.16668	728.20001	728.09997	30.3549	30.49999	30.09999	28.8738	29	28.6	26.8469	26.90446	26.76593	1.4811	1.79999	1.19999	18.00634	0.03899	17.99694	220424897	4030210	88
08/23/2017 13:59:49	16.67477	16.69489	16.6449	728.11511	728.20001	728.09997	30.48691	30.59999	30.39999	28.92358	29.3	28.6	26.84559	26.87675	26.79363	1.56333	1.89999	1.09999	18.08956	0	18.08027	220424897	4030210	88
08/23/2017 14:04:49	16.67448	16.70299	16.6449	728.04943	728.09997	728	30.76972	31	30.69999	29.10925	29.5	28.9	26.84383	26.90446	26.76593	1.66047	2.09999	1.19999	18.17277	0.01863	18.16388	220424897	4030210	88
08/23/2017 14:09:49	16.67448	16.70299	16.6449	728.04943	728.09997	728	30.76972	31	30.69999	29.10925	29.5	28.9	26.84383	26.90446	26.76593	1.66047	2.09999	1.19999	18.25597	0.02037	18.24694	220424897	4030210	88
08/23/2017 14:14:49	16.67304	16.69421	16.63723	728	728	728	31.07709	31.19999	31	29.70069	30.5	29	26.81931	26.90446	26.65509	1.37639	2.09999	0.59999	18.33917	0	18.33055	220424897	4030210	88
08/23/2017 14:19:49	16.67304	16.69421	16.63723	728	728	728	31.07709	31.19999	31	29.70069	30.5	29	26.81931	26.90446	26.65509	1.37639	2.09999	0.59999	18.42237	0	18.41361	220424897	4030210	88
08/23/2017 14:24:49	16.67413	16.69294	16.6525	728	728	728	31.22053	31.3	31.09999	29.26254	29.8	28.8	26.82718	26.90446	26.71051	1.95799	2.49999	1.49999	18.50558	0.01725	18.49694	220424897	4030210	88
08/23/2017 14:29:49	16.67434	16.69865	16.64862	728	728	728	31.32661	31.39999	31.3	29.70639	30	29.3	26.76673	26.87675	26.65509	1.62022	2.39999	1.39999	18.58878	0.06099	18.58055	220424897	4030210	88
08/23/2017 14:34:49	16.67445	16.69249	16.65389	727.97876	728	727.89996	31.44988	31.69999	31.39999	29.60068	30	29.2	26.77357	26.90446	26.65509	1.84919	2.39999	1.39999	18.67198	0.03909	18.66361	220424897	4030210	88
08/23/2017 14:39:49	16.67534	16.69532	16.65626	727.89288	727.89996	727.79998	31.73365	31.8	31.69999	29.71124	30.2	29.3	26.75288	26.87675	26.62738	2.02241	2.49999	1.49999	18.75519	0.06102	18.74722	220424897	4030210	88
08/23/2017 14:44:49	16.6746	16.70341	16.65142	727.81512	727.89996	727.79998	31.78991	31.8	31.69999	29.57608	30.1	29.3	26.75835	26.87675	26.62738	2.21383	2.49999	1.59999	18.8384	0.02189	18.83055	220424897	4030210	88
08/23/2017 14:49:49	16.6746	16.70341	16.65142	727.81512	727.89996	727.79998	31.78991	31.8	31.69999	29.57608	30.1	29.3	26.75835	26.87675	26.62738	2.21383	2.19999	1.39999	18.9216	0.03768	18.91388	220424897	4030210	88
08/23/2017 14:54:49	16.67388	16.69896	16.6489	727.79998	727.79998	727.79998	31.82692	31.89999	31.8	30.00937	30.4	29.6	26.66096	26.79363	26.54426	1.81755	2.19999	1.39999	19.0048	0.06101	18.99694	220424897	4030210	88
08/23/2017 14:59:49	16.67462	16.69366	16.64851	727.79998	727.79998	727.79998	31.8997	32	31.8	30.00521	30.5	29.5	26.69308	26.82134	26.54426	1.89449	2.4	1.29999	19.08802	0.00711	19.08027	220424897	4030210	88
08/23/2017 15:04:49	16.67648	16.70384	16.65734	727.79589	727.79998	727.70001	31.97645	32	31.89999	29.89705	30.6	29.4	26.66253	26.79363	26.51655	2.07939	2.59999	1.4	19.17123	0.04224	19.16361	220424897	4030210	88
08/23/2017 15:09:49	16.67499	16.70996	16.6542	727.78991	727.79998	727.70001	32.00336	32.19999	31.89999	29.92484	30.6	29.5	26.63562	26.73822	26.48885	2.07852	2.69999	1.4	19.25444	0	19.24694	220424897	4030210	88
08/23/2017 15:14:49	16.67545	16.69962	16.6553	727.72326	727.79998	727.70001	32.14412	32.3	32	29.66254	29.9	29.4	26.67328	26.76593	26.54426	2.48158	2.79999	2.09999	19.33765	0.03912	19.33055	220424897	4030210	88
08/23/2017 15:19:49	16.67545	16.69962	16.6553	727.72326	727.79998	727.70001	32.14412	32.3	32	29.66254	29.9	29.4	26.67328	26.76593	26.54426	2.48158	2.79999	2.09999	19.42086	0.03769	19.41361	220424897	4030210	88
08/23/2017 15:24:49	16.6776	16.70094	16.64766	727.71417	727.79998	727.70001	32.19933	32.3	32	29.82038	30.2	29.4	26.64593	26.76593	26.54426	2.37895	2.89999	1.99999	19.50407	0	19.49694	220424897	4030210	88
08/23/2017 15:29:49	16.67578	16.70579	16.65438	727.70001	727.70001	727.70001	32.2973	32.3	32.19999	29.53707	29.9	29	26.64098	26.71051	26.48885	2.76022	3.29999	2.39999	19.5873	0.03745	19.58055	220424897	4030210	88
08/23/2017 15:34:49	16.67578	16.70579	16.65438	727.70001	727.70001	727.70001	32.2973	32.3	32.19999	29.53707	29.9	29	26.64098	26.71051	26.48885	2.76022	3.29999	2.39999	19.67054	0.09857	19.66361	220424897	4030210	88
08/23/2017 15:39:49	16.67608	16.69962	16.6496	727.70001	727.70001	727.70001	32.3	32.39999	32.19999	29.55719	29.8	29.3	26.6229	26.71051	26.54426	2.7428	2.99999	2.49999	19.75375	0.00847	19.74694	220424897	4030210	88
08/23/2017 15:44:49	16.67704	16.69962	16.65616	727.68585	727.70001	727.59997	32.27308	32.3	32	29.69641	30	29.4	26.67327	26.76593	26.54426	2.57667	2.89999	1.99999	19.83696	0.02032	19.83027	220424897	4030210	88
08/23/2017 15:49:49	16.67453	16.70372	16.65004	727.63226	727.70001	727.59997	32.29662	32.39999	32.19999	29.95997	30.4	29.5	26.63469	26.73822	26.54426	2.33665	2.79999	1.89999	19.92016	0.04059	19.91361	220424897	4030210	88
08/23/2017 15:54:49	16.67453	16.702	16.65325	727.60302	727.70001	727.59997	32.27307	32.3	32	29.83502	30.4	29.5	26.62821	26.82134	26.51655	2.43806	2.79999	1.69999	20.00337	0.02033	19.99722	220424897	4030210	88
08/23/2017 15:59:49	16.67454	16.702	16.65811	727.59893	727.59997	727.5	32.29394	32.3	32.19999	29.82195	30.6	29.5	26.66601	26.76593	26.51655	2.47198	2.79999	1.69999	20.08658	0	20.08027	220424897	4030210	88
08/23/2017 16:04:49	16.67412	16.70817	16.64908	727.53839	727.59997	727.5	32.30942	32.39999	32.19999	29.77297	30	29.4	26.59104	26.6828	26.48885	2.53645	2.89999	2.29999	20.16979	0.03915	20.16388	220424897	4030210	88
08/23/2017 16:09:49	16.67412	16.70817	16.64908	727.53839	727.59997	727.5	32.30942	32.39999	32.19999	29.77297	30	29.4	26.59104	26.6828	26.48885	2.53645	2.89999	2.29999	20.25301	0.06102	20.24694	220424897	4030210	88
08/23/2017 16:14:49	16.67379	16.70391	16.65434	727.48681	727.5	727.39996	32.30673	32.39999	32.3	29.56002	29.9	29.3	26.62739	26.73822	26.51655	2.74671	2.99999	2.39999	20.33621	0.06948	20.33055	220424897	4030210	88
08/23/2017 16:19:49	16.67379	16.70391	16.65434	727.48681	727.5	727.39996	32.30673	32.39999	32.3	29.56002	29.9	29.3	26.62739	26.73822	26.51655	2.74671	2.99999	2.39999	20.41942	0.05779	20.41388	220424897	4030210	88
08/23/2017 16:24:49	16.67487	16.69095	16.65188	727.40301	727.5	727.29998	32.28991	32.3	32.19999	29.67974	29.9	29.3	26.7054	26.79363	26.59967	2.61016	2.99999	2.39999	20.50262	0.0406	20.49694	220424897	4030210	88
08/23/2017 16:29:49	16.67473	16.69666	16.65188	727.3515	727.39996	727.29998	32.27306	32.3	32	29.90294	30.1	29.6	26.72968	26.87675	26.62738	2.37011	2.69999	1.9	20.58583	0.02577	20.58055	220424897	4030210	88
08/23/2017 16:34:49	16.67473	16.69666	16.65188	727.3515	727.39996	727.29998	32.27306	32.3	32	29.90294	30.1	29.6	26.72968	26.87675	26.62738	2.37011	2.69999	1.9	20.66903	0.02035	20.66361	220424897	4030210	88
08/23/2017 16:39:49	16.67528	16.69571	16.64328	727.2929	727.39996	727.20001	32.28012	32.3	32.19999	29.91989	30.5	29.3	26.72827	26.84905	26.62738	2.36022	2.99999	2.09999	20.75224	0.03913	20.74694	220424897	4030210	88
08/23/2017 16:44:49	16.67437	16.7067	16.63758	727.32629	727.39996	727.20001	32.25623	32.3	32	29.65145	30.1	29.3	26.73129	26.84905	26.57197	2.60478	2.99999	2.09999	20.83545	0.00846	20.83027	220424897	4030210	88
08/23/2017 16:49:49	16.67519	16.70533	16.65292	727.26159	727.5	727	32.25624	32.3	32	29.33136	29.6	28.9	26.74408	26.87675	26.62738	2.92488	3.49999	2.49999	20.91867	0.07827	20.91361	220424897	4030210	88

08/23/2017 16:54:49	16.67518	16.70771	16.64958	727.22522	727.39996	727.09997	32.14611	32.3	32	29.16778	29.5	28.7	26.77058	26.90446	26.65509	2.97833	3.49999	2.49999	21.00187	0.01017	20.99694	220424897	4030210	88
08/23/2017 16:59:49	16.67552	16.69958	16.64671	727.04437	727.09997	726.89996	31.91615	32	31.8	29.22427	29.5	28.8	26.79822	26.90446	26.6828	2.69188	3.09999	2.29999	21.08508	0	21.08055	220424897	4030210	88
08/23/2017 17:04:49	16.67552	16.69958	16.64671	727.04437	727.09997	726.89996	31.91615	32	31.8	29.22427	29.5	28.8	26.79822	26.90446	26.6828	2.69188	3.09999	2.29999	21.16828	0.04927	21.16361	220424897	4030210	88
08/23/2017 17:09:49	16.67352	16.69912	16.64908	726.99896	727.09997	726.89996	31.82354	31.89999	31.8	29.10187	29.5	28.7	26.85157	26.90446	26.76593	2.72167	3.09999	2.29999	21.25149	0.02206	21.24694	220424897	4030210	88
08/23/2017 17:14:49	16.67377	16.70048	16.64951	727.01617	727.20001	726.79998	31.77001	31.8	31.69999	28.64509	29	28.2	26.84104	26.93217	26.71051	3.12492	3.49999	2.69999	21.3347	0.03903	21.33027	220424897	4030210	88
08/23/2017 17:19:49	16.67475	16.70286	16.65516	727.08081	727.20001	726.89996	31.50602	31.69999	31.3	28.35359	28.7	27.8	26.84503	26.93217	26.71051	3.15242	3.09999	2.09999	21.4179	0.12258	21.41388	220424897	4030210	88
08/23/2017 17:24:49	16.67471	16.70122	16.65068	726.94543	727.09997	726.79998	31.10636	31.19999	31	27.88462	28.3	27.5	26.91675	27.07071	26.82134	3.22174	3.59999	2.69999	21.50111	0.01195	21.49722	220424897	4030210	88
08/23/2017 17:29:49	16.67471	16.70122	16.65068	726.94543	727.09997	726.79998	31.10636	31.19999	31	27.88462	28.3	27.5	26.91675	27.07071	26.82134	3.22174	3.59999	2.69999	21.58432	0.03894	21.58027	220424897	4030210	88
08/23/2017 17:34:49	16.67351	16.69897	16.65471	726.89691	727	726.79998	30.94001	31	30.8	28.12048	28.6	28	26.87432	26.98759	26.79363	2.81953	2.99999	2.4	21.66752	0.03897	21.66361	220424897	4030210	88
08/23/2017 17:39:49	16.67397	16.69728	16.64898	726.88281	727	726.79998	30.74982	30.8	30.69999	27.93608	28.2	27.6	26.93161	27.043	26.82134	2.81374	3.19999	2.59999	21.75073	0.02048	21.74694	220424897	4030210	88
08/23/2017 17:44:49	16.67459	16.70819	16.64789	726.87274	727.09997	726.79998	30.6299	30.69999	30.49999	27.66061	28.1	27.4	26.96606	27.043	26.84905	2.96929	3.29999	2.59999	21.83393	0.0389	21.83027	220424897	4030210	88
08/23/2017 17:49:49	16.67369	16.69268	16.65362	726.85852	726.89996	726.79998	30.48348	30.59999	30.39999	27.7209	28	27.4	26.93822	27.043	26.82134	2.76257	3.09999	2.39999	21.91714	0.07779	21.91361	220424897	4030210	88
08/23/2017 17:54:49	16.67304	16.70184	16.64674	726.82928	727	726.79998	30.37702	30.49999	30.19999	27.37576	27.5	27.2	27.01265	27.12613	26.90446	3.00126	3.29999	2.79999	22.00035	0.05188	21.99694	220424897	4030210	88
08/23/2017 17:59:49	16.67403	16.69588	16.64937	726.81817	726.89996	726.70001	29.64209	29.89999	29.39999	26.39329	26.6	26.3	27.09079	27.20925	26.95988	3.2488	3.49999	2.99999	22.08356	0	22.08055	220424897	4030210	88
08/23/2017 18:04:49	16.67521	16.70296	16.65365	726.74743	726.89996	726.70001	29.35988	29.39999	29.3	26.53821	27	26.3	27.04675	27.18155	26.95988	2.82166	3.09999	2.39999	22.16678	0	22.16388	220424897	4030210	88
08/23/2017 18:09:49	16.67521	16.70296	16.65365	726.74743	726.89996	726.70001	29.35988	29.39999	29.3	26.53821	27	26.3	27.04675	27.18155	26.95988	2.82166	3.09999	2.39999	22.24998	0.03879	22.24694	220424897	4030210	88
08/23/2017 18:14:49	16.67391	16.69996	16.64835	726.68585	726.70001	726.59997	28.96867	29.19999	28.8	26.34741	26.6	26	27.13317	27.32008	26.95988	2.62125	2.89999	2.29999	22.33319	0	22.33055	220424897	4030210	88
08/23/2017 18:19:49	16.67391	16.69996	16.64835	726.68585	726.70001	726.59997	28.96867	29.19999	28.8	26.34741	26.6	26	27.13317	27.32008	26.95988	2.62125	2.89999	2.29999	22.4164	0.03872	22.41361	220424897	4030210	88
08/23/2017 18:24:49	16.67357	16.6938	16.63886	726.69494	726.89996	726.59997	28.71953	28.8	28.59999	25.80911	26	25.6	27.32007	27.51404	27.09842	2.91041	3.09999	2.69999	22.49961	0.02652	22.49722	220424897	4030210	88
08/23/2017 18:29:49	16.67357	16.6938	16.63886	726.69494	726.89996	726.59997	28.71953	28.8	28.59999	25.80911	26	25.6	27.32007	27.51404	27.09842	2.91041	3.09999	2.69999	22.58281	0.03866	22.58027	220424897	4030210	88
08/23/2017 18:34:49	16.6746	16.70124	16.6463	726.68988	726.70001	726.59997	28.28311	28.39999	28.09999	25.45046	25.8	25	27.38566	27.48634	27.15384	2.83265	3.19999	2.49999	22.66602	0	22.66388	220424897	4030210	88
08/23/2017 18:39:49	16.67387	16.69821	16.65256	726.66265	726.79998	726.59997	28.03838	28.3	27.8	24.92184	25.3	24.6	27.46786	27.56945	27.34779	3.11653	3.49999	2.69999	22.74923	0.02065	22.74722	220424897	4030210	88
08/23/2017 18:44:49	16.67387	16.69821	16.65256	726.66265	726.79998	726.59997	28.03838	28.3	27.8	24.92184	25.3	24.6	27.46786	27.56945	27.34779	3.11653	3.49999	2.69999	22.83244	0.03852	22.83027	220424897	4030210	88
08/23/2017 18:49:49	16.67542	16.7006	16.64574	726.63739	726.70001	726.59997	27.74034	27.8	27.49999	24.8464	25.1	24.6	27.46802	27.56945	27.34779	2.89394	3.09999	2.69999	22.91564	0	22.91361	220424897	4030210	88
08/23/2017 18:54:49	16.67349	16.69661	16.6526	726.66363	726.70001	726.59997	27.49221	27.69999	27.39999	24.57338	24.7	24.4	27.48764	27.62487	27.40321	2.91883	3.09999	2.79999	22.99884	0.07995	22.99694	220424897	4030210	88
08/23/2017 18:59:49	16.67303	16.70312	16.64842	726.68786	726.79998	726.59997	26.64241	26.89999	26.39999	23.49295	23.6	23.4	27.56285	27.65258	27.40321	3.14946	3.3	2.89999	23.08205	0.05599	23.08055	220424897	4030210	88
08/23/2017 19:04:49	16.67303	16.70312	16.64842	726.68786	726.79998	726.59997	26.64241	26.89999	26.39999	23.49295	23.6	23.4	27.56285	27.65258	27.40321	3.14946	3.3	2.89999	23.16526	0.03506	23.16361	220424897	4030210	88
08/23/2017 19:09:49	16.67628	16.69639	16.64664	726.67474	726.70001	726.59997	25.88284	25.99999	25.8	23.12624	23.3	22.9	27.58858	27.68029	27.45863	2.75659	2.99999	2.59999	23.24846	0.03831	23.24722	220424897	4030210	88
08/23/2017 19:14:49	16.67628	16.69639	16.64664	726.67474	726.70001	726.59997	25.88284	25.99999	25.8	23.12624	23.3	22.9	27.58858	27.68029	27.45863	2.75659	2.99999	2.59999	23.33167	0.04166	23.33027	220424897	4030210	88
08/23/2017 19:19:49	16.67377	16.69359	16.64574	726.69897	726.89996	726.59997	25.62012	25.8	25.3	22.62314	22.8	22.4	27.60446	27.68029	27.48634	2.99698	3.19999	2.79999	23.41487	0.04662	23.41361	220424897	4030210	88
08/23/2017 19:24:49	16.67196	16.70384	16.65168	726.81414	726.89996	726.70001	24.6966	24.99999	24.49999	21.74239	22	21.5	27.6204	27.68029	27.54175	2.95421	3.19999	2.69999	23.49808	0.03812	23.49722	220424897	4030210	88
08/23/2017 19:29:49	16.67196	16.70384	16.65168	726.81414	726.89996	726.70001	24.6966	24.99999	24.49999	21.74239	22	21.5	27.6204	27.68029	27.54175	2.95421	3.19999	2.69999	23.58128	0.10949	23.58027	220424897	4030210	88
08/23/2017 19:34:49	16.67599	16.69939	16.66145	726.89593	727	726.70001	24.40027	24.49999	24.19999	21.52351	21.6	21.2	27.61966	27.68029	27.54175	2.87675	3.19999	2.69999	23.66449	0	23.66361	220424897	4030210	88
08/23/2017 19:39:49	16.67363	16.69139	16.6618	726.9555	727	726.89996	23.99966	24.19999	23.8	21.04644	21.2	20.8	27.62581	27.708	27.54175	2.95322	3.09999	2.79999	23.7477	0.02097	23.74694	220424897	4030210	88
08/23/2017 19:44:49	16.67256	16.70099	16.64769	727.00573	727.20001	726.89996	23.53926	23.89999	23.3	20.62951	20.8	20.5	27.59557	27.708	27.45863	2.90974	3.19999	2.59999	23.8309	0.00842	23.83055	220424897	4030210	88
08/23/2017 19:49:49	16.67327	16.69047	16.65502	727.01709	727.09997	726.79998	23.14994	23.39999	22.89999	20.32042	20.6	19.9	27.58722	27.708	27.43092	2.82952	2.99999	2.69999	23.9141	0.07572	23.91361	220424897	4030210	88
08/23/2017 19:54:49	16.67577	16.69053	16.661	727.14953	727.20001	727.09997	22.73063	22.89999	22.39999	19.83604	20	19.6	27.57236	27.708	27.45863	2.89459	2.89999	2.49999	23.9973	0	23.99722	220424897	4030210	88
08/23/2017 19:59:49	16.67402	16.69168	16.65628	727.22522	727.29998	727.20001	22.29357	22.39999	22.09999	19.64354	19.8	19.4	27.5167	27.65258	27.40321	2.65002	2.89999	2.49999	24.00125	0	24.00027	220424897	4030210	88
08/23/2017 20:04:49	0.53288	16.67749	0	727.32952	727.39996	727.29998	21.97073	22.19999	21.8	19.34944	19.4	19.3	10.35489	27.54175	9.55926	2.62128	2.79999	2.39999	24.00125	0	24.00027	220424897	4030210	88
08/24/2017 09:03:26	0	0	0	727.35168	727.39996	727.29998	21.74328	21.8	21.69999	19.31341	19.4	19.1	9.7548	9.86404	9.58696	2.42987	2.59999	2.29999	24.00125	0	24.00027	220424958	4030310	88
08/24/2017 09:08:26	10.65584	17.05107	0	727.49261	727.5	727.39996	15.79655	16.09999	15.49999	15.82401	16	15.6	22.96558	30.31255	11.30486	0.11069	0.3	0	0.05617	0.03735	0.05722	220424958	4030310	88
08/24/2017 09:13:26	10.65584	17.05107	0	727.49261	727.5	727.39996	15.79655	16.09999	15.49999	15.82401	16	15.6	22.96558	30.31255	11.30486	0.11069	0.39999	0	0.13956	0	0.14055	220424958	4030310	88
08/24/2017 09:18:26	16.67428	16.69646	16.65066	727.53961	727.59997	727.5	16.12683	16.19999	16.09999	16.47448	16.7	16.3	30.06539	30.1463	29.98005	0.34765	0.6	0.1	0.22293	0.00846	0.22388	220424958	4030310	88
08/24/2017 09:23:26	16.67428	16.69646	16.65066	727.53961	727.59997	727.5	16.12683	16.19999	16.09999	16.47448	16.7	16.3	30.06539	30.1463	29.98005	0.34765	0.6	0.1	0.30631	0.06364	0.30694	220424958	4030310	88
08/24/2017 09:28:26	16.67677	16.70148	16.66116	727.59698	727.59997	727.5	16.77034	16.99999	16.19999	16.64885	17.3	16.3	30.17205	30.31255	30.00776	0.30132	0.69999	0	0.38969	0	0.39027	220424958	4030310	88
08/24/2017 09:33:26	16.67596	16.69833	16.63383	727.59259	727.59997	727.5	16.99328	16.99999	16.89999	16.95429	17.3	16.7	30.24857	30.31255	30.17401	0.12896	0.3	0	0.47307	0.00846	0.47361	220424958	4030310	88
08/24/2017 09:38:26	16.67761	16.68918	16.65759	727.59997	727.59997	727.59997	17.36105	17.49999	17.19999	17.20791	17.5	16.9	30.26642	30.34026	30.1463	0.15984	0.39999	0	0.55646	0.0212	0.55722	220424958	4030310	88
08/24/2017 09:43:26	16.67761	16.68918	16.65759	727.59997	727.59997	727.59997	17.36105	17.49999	17.19999	17.20791	17.5	16.9	30.26642	30.34026	30.1463	0.15984	0.5	0	0.63983	0.01273	0.64055	220424958	4030310	88
08/24/2017 09:48:26	16.67447	16.69323	16.64972	727.609	727.70001	727.59997	17.53416	17.8	17.39999	17.49396	18	17.3	30.27666	30.34026	30.17401	0.19458	0.5	0	0.72321	0.07518	0.72361	220424958	4030310	88
08/24/2017 09:53:26	16.67474	16.69323	16.66026	727.5899	727.70001	727.5	17.97717	18.09999	17.89999	17.95772	18.1	17.8	30.32741	30.45109	30.22942	0.07987	0.29999	0	0.80658	0.02115	0.80722	220424958	4030310	88
08/24/2017 09:58:26	16.67474	16.69323	16.66026	727.5899	727.70001	727.5	17.97717	18.09999	17.89999	17.95772	18.1	17.8	30.32741	30.45109	30.22942	0.07987	0.29999	0	0.88996	0.02577	0.89027	220424958	4030310	88
08/24/2017 10:03:26	16.67565	16.69586	16.65565	727.59863	727.59997	727.5	18.25776	18.39999	18.09999	18.03616	18.4	17.9	30.32569	30.45109	30.20172	0.24172	0.49999	0	0.97333	0.00847	0.97361	220424958	4030310	88
08/24/2017 10:08:26	16.67451	16.69917	16.65565	727.61108	727.70001	727.59997	18.50063	18.69999	18.39999	18.09115	18.5	17.9	30.28587	30.45109	30.11859	0.41619	0.69999	0.09999	1.05671	0.06341	1.05694	220424958	4030310	88
08/24/2017 10:13:26	16.67578	16.69349	16.64402	727.68859	727.70001	727.59997	18.70336	18.8	18.49999	18.23691	18.6	18	30.24355	30.36797	30.11859	0.46644	0.69999	0.09999	1.14008	0.01654	1.14027	220424958	4030310	88
08/24/2017 10:18:26	16.67419	16.69349	16.64995	727.70001	727.70001	727.70001	18.9242	19.09999	18.69999	18.31272	18.6	18	30.24103	30.36797	30.11859	0.61147	0.99999	0.19999	1.22346	0.03767	1.22361	220424958	4030310	88
08/24/2017 10:23:26	16.67584	16.69732	16.65373	727.70001	727.70001	727.70001	19.35031	19.59999	19.19999	18.69856	19.3	18.4	30.24583	30.39567	30.1463	0.65175	0.89999	0.09999	1.30683	0.05435	1.30722	220424958	4030310	88
08/24/2017 10:28:26	16.67593	16.69732	16.64782	727.69799	727.70001	727.59997	19.57444	19.8	19.39999	18.94757	19.2	18.7	30.29402	30.42338	30.1463	0.62687	0.99999	0.29999	1.39021	0.0082	1.39055	220424958	4030310	88
08/24/2017 10:33:26	16.67593	16.69732	16.64782	727.69799	727.70001	727.59997	19.57444	19.8	19.39999	18.94757	19.2	18.7	30.29402	30.42338	30.1463	0.62687	0.99999	0.29999	1.47359	0.02108	1.47361	220424958	4030310	88
08/24/2017 10:38:26	16.67616	16.69732	16.65734	727.65771	727.70001	727.59997	19.79394	19.89999	19.69999	18.951	19.3	18.7	30.34657	30.42338	30.25713	0.84294	1.09999	0.49999	1.55697	0.09244	1.55694	220424958	4030310	88
08/24/2017 10:43:26	16.67316	16.68803	16.65387	727.59661	727.59997	727.5	20.21008	20.3	19.99999	19.25435	19.6	19.1	30.35755	30.42338	30.28484	0.95573	1.19999	0.59999	1.64035	0	1.64055	220424958	4030310	88
08/24/2017 10:48:26	16.67316	16.68803	16.65387	727.59661	727.59997	727.5	20.21008	20.3	19.99999	19.25435	19.6	19.1	30.35755	30.42338	30.28484	0.95573	1.19999	0.59999	1.72373	0	1.72361	220424958	4030310	88
08/24/2017 10:53:26	16.6761	16.70223	16.64916	727.59997	727.59997	727.59997	20.38454	20.49999	20.19999	19.74962	20.3	19.3	30.35856	30.42338	30.28484	0.63492	1.09999	0.09999	1.8071	0.02101	1.80694	220424958	4030310	88
08/24/2017 10:58:26	16.67541	16.69274	16.64204	727.60907	727.70001	727.59997	20.83555	20.99999	20.49999	20.39733	20.8	20	30.34955	30.42338	30.25713	0.43822	0.99999	0	1.89048	0.025	1.89055	220424958	4030310	88
08/24/2017 11:03:26	16.67387	16.69749	16.65267	727.62616	727.70001	727.59997	21.03419	21.09999	20.89999	20.24961	20.6	19.9	30.35086	30.42338	30.25713	0.78457	1.09999	0.49999	1.97385	0.01695	1.97388	220424958	4030310	88
08/24/2017 11:08:26	16.67461	16.71153	16.65267	727.59796	727.59997	727.5	21.2838	21.39999	21.09999	20.4703	21	20	30.34574	30.42338	30.22942	0.8135	1.19999	0.39999	2.05723	0.02096	2.05722	220424958	4030310	88
08/24/2017 11:13:26	16.67461	16.71153	16.65267	727.59796	727.59997	727.5	21.2838	21.39999	21.09999	20.4703	21	20	30.34574	30.42338	30.22942	0.8135	1.19999	0.39999	2.14063	0.0294	2.14027	220424958	4030310	88
08/24/2017 11:18:26	16.67769	16.70324	16.65604	727.56378	727.59997	727.5	21.46038	21.59999	21.19999	20.75294	21	20.5	30.35449	30.42338	30.25713	0.70743	0.89999	0.49999	2.22401	0.10995	2.22361	220424958	4030310	88
08/24/2017 11:23:26	16.67595	16.70927	16.64915	727.53112	727.59997	727.39996	21.75699	21.99999	21.59999	20.46982	20.9	19.9	30.43235	30.56192	30.34026	1.28717	1.8	0.79999	2.30739	0.05497	2.30722	220424958	4030310	88
08/24/2017 11:28:26	16.67533	16.70324	16.64441	727.57385	727.59997	727.5	21.96773	22.09999	21.69999	21.02447	21.8	20	30.40408	30.56192	30.31255	0.94326	2.09999	0	2.39077	0.07493	2.39055	220424958	4030310	88
08/24/2017 11:33:26	16.67656	16.7113	16.6454	727.5899	727.70001	727.5	22.12682	22.19999	21.99999	20.83368	21.5	20.3	30.45376	30.58963	30.34026	1.29313	1.79999	0.59999	2.47415	0.03794	2.47388	220424958	4030310	88
08/24/2017 11:38:26	16.67656	16.7113	16.6454	727.5899	727.70001	727.5	22.12682	22.19999	21.99999	20.83368	21.5	20.3	30.45376	30.58963	30.34026	1.29313	1.79999	0.59999	2.55754	0.05893	2.55694	220424958	4030310	88
08/24/2017 11:43:26	16.6764	16.70675	16.65235	727.59393	727.70001	727.5	22.23018	22.39999	22.09999	20.97106	21.5	20.3	30.47563	30.58963	30.31255	1.25911	1.89999	0.59999	2.64092	0.03799	2.64027	220424958	4030310	88
08/24/2017 11:48:26	16.67371	16.70476	16.64102	727.56775	727.59997	727.39996	22.39323	22.59999	22.3	21.82486	22.3	21.1	30.43247	30.58963	30.22942	0.56837	1.29999	0	2.72429	0.00846	2.72388	220424958	4030310	88
08/24/2017 11:53:26	16.67371	16.70476	16.64102	727.56775	727.59997	727.39996	22.39323	22.59999	22.3	21.82486	22.3	21.1	30.43247	30.58963	30.22942	0.56837	1.29999	0	2.80765	0.00378	2.80694	220424958	4030310	88
08/24/2017 11:58:26	16.67511	16.70137	16.64823	727.53118	727.59997	727.5	22.73021	22.89999	22.69999	21.70667	22.7	21.2	30.5001	30.58963	30.28484	1.02354	1.49999	0	2.89103	0.02937	2.89055	220424958	4030310	88
08/24/2017 12:03:26	16.67511	16.70137	16.64823	727.53118	727.59997	727.5	22.73021	22.89999	22.69999	21.70667	22.7	21.2	30.5001	30.58963	30.28484	1.02354	1.49999	0	2.9744	0.06271	2.97361	220424958	4030310	88
08/24/2017 12:08:26	16.67427	16.70167	16.64239	727.51208	727.59997	727.5	22.8174	22.89999	22.69999	21.52287	22	21	30.53571	30.61734	30.47879	1.29452	1.8	0.8	3.05777	0.00353	3.05694	220424958	4030310	88
08/24/2017 12:13:26	16.67566	16.70674	16.64721	727.50805	727.59997	727.5	22.90331	22.99999	22.8	21.93683	22.7	21.4	30.50882	30.61734	30.36797	0.96648	1.49999	0.19999	3.14115	0.02085	3.14055	220424958	4030310	88
08/24/2017 12:18:26	16.67564	16.70089	16.65023	727.51104	727.59997	727.5	23.01342	23.19999	22.89999	22.31541	22.7	22	30.48011	30.58963	30.36797	0.69801	1.19999	0.29999	3.22453	0.10398	3.22361	220424958	4030310	88
08/24/2017 12:23:26	16.6756	16.70377	16.65023	727.49701	727.5	727.39996	23.36105	23.49999	23.19999	22.58854	23.3	22.1	30.51153	30.58963	30.36797	0.7725	1.29999	0	3.30791	0.0814	3.30722	220424958	4030310	88
08/24/2017 12:28:26	16.6756	16.70377	16.65023	727.49701	727.5	727.39996	23.36105	23.49999	23.19999	22.58854	23.3	22.1	30.51153	30.58963	30.36797	0.7725	1.29999	0	3.39127	0.02084	3.39027	220424958	4030310	88
08/24/2017 12:33:26	16.67406	16.72082	16.64823	727.4295	727.5	727.39996	23.45367	23.49999	23.39999	22.26907	22.9	21.7	30.54099	30.61734	30.45109	1.1846	1.79999	0.49999	3.47464	0.05369	3.47361	220424958	4030310	88
08/24/2017 12:38:26	16.67431	16.69839	16.64439	727.44726	727.5	727.29998	23.51677	23.8	23.49999	22.4243	22.9	21.8	30.54156	30.58963	30.47879	1.09246	1.69999	0.59999	3.55803	0.03837	3.55694	220424958	4030310	88

08/24/2017 12:43:26	16.67759	16.72525	16.65183	727.48187	727.5	727.39996	23.65095	23.89999	23.49999	23.39069	24.4	22.3	30.44847	30.61734	30.22942	0.48192	1.49999	0	3.6414	0.12668	3.64027	220424958	4030310	88
08/24/2017 12:48:26	16.67549	16.7074	16.6402	727.46374	727.5	727.39996	23.85701	23.99999	23.8	23.63698	24	23.3	30.45946	30.56192	30.34026	0.27379	0.49999	0	3.72478	0.05066	3.72361	220424958	4030310	88
08/24/2017 12:53:26	16.67578	16.69723	16.64839	727.39929	727.5	727.29998	24.01338	24.19999	23.89999	23.48443	24	22.9	30.52333	30.58963	30.36797	0.52894	1.09999	0.09999	3.80815	0.0591	3.80694	220424958	4030310	88
08/24/2017 12:58:26	16.67616	16.70139	16.64494	727.30835	727.39996	727.09997	24.38653	24.49999	24.19999	23.9007	24.2	23.4	30.5276	30.64505	30.36797	0.48583	0.99999	0.19999	3.89153	0.04148	3.89055	220424958	4030310	88
08/24/2017 13:03:26	16.67616	16.70139	16.64494	727.30835	727.39996	727.09997	24.38653	24.49999	24.19999	23.9007	24.2	23.4	30.5276	30.64505	30.36797	0.48583	0.99999	0.19999	3.97491	0.00848	3.97361	220424958	4030310	88
08/24/2017 13:08:26	16.67478	16.69794	16.65076	727.23468	727.29998	727	24.49056	24.59999	24.39999	23.637	24.2	23.4	30.5956	30.72817	30.45109	0.85355	1.19999	0.29999	4.0583	0.03844	4.05694	220424958	4030310	88
08/24/2017 13:13:26	16.67349	16.7113	16.64302	727.12664	727.29998	726.79998	24.78053	24.99999	24.69999	24.23702	24.6	23.5	30.60271	30.75587	30.47879	0.5435	1.49999	0.09999	4.14166	0.03466	4.14055	220424958	4030310	88
08/24/2017 13:18:26	16.67349	16.7113	16.64302	727.12664	727.29998	726.79998	24.78053	24.99999	24.69999	24.23702	24.6	23.5	30.60271	30.75587	30.47879	0.5435	1.49999	0.09999	4.22504	0.0385	4.22361	220424958	4030310	88
08/24/2017 13:23:26	16.67583	16.70427	16.63224	726.9815	727.20001	726.70001	24.94093	25.09999	24.8	24.37643	25.1	23.8	30.61102	30.72817	30.5065	0.57792	0.69999	0	4.30842	0.01221	4.30722	220424958	4030310	88
08/24/2017 13:28:26	16.67514	16.71008	16.64589	726.93451	727	726.79998	25.12678	25.3	24.99999	25.01286	25.7	24.5	30.55189	30.64505	30.39567	0.34881	0.69999	0	4.39179	0.03853	4.39027	220424958	4030310	88
08/24/2017 13:33:26	16.67611	16.70028	16.64628	726.91107	727	726.70001	25.30335	25.39999	25.19999	24.63955	25.1	24.2	30.60626	30.75587	30.45109	0.66379	1.09999	0.19999	4.47516	0.00928	4.47361	220424958	4030310	88
08/24/2017 13:38:26	16.67464	16.69583	16.64705	726.87207	727	726.70001	25.41006	25.69999	25.3	24.88605	25.4	24.2	30.62152	30.72817	30.45109	0.52401	0.99999	0	4.55854	0.04129	4.55722	220424958	4030310	88
08/24/2017 13:43:26	16.67632	16.7042	16.65207	726.9154	727	726.70001	25.66172	25.69999	25.39999	25.15697	25.7	24.6	30.51905	30.70046	30.36797	0.50474	0.99999	0	4.64192	0.00708	4.64027	220424958	4030310	88
08/24/2017 13:48:26	16.67482	16.71238	16.63981	726.80603	727	726.59997	25.92746	25.99999	25.8	25.74509	26.6	25	30.4928	30.70046	30.34026	0.48193	0.99999	0	4.72529	0.01811	4.72388	220424958	4030310	88
08/24/2017 13:53:26	16.67482	16.71238	16.63981	726.80603	727	726.59997	25.92746	25.99999	25.8	25.74509	26.6	25	30.4928	30.70046	30.34026	0.48193	0.99999	0	4.80865	0.07142	4.80694	220424958	4030310	88
08/24/2017 13:58:26	16.67391	16.70369	16.64589	726.90564	727	726.70001	26.17782	26.3	25.99999	25.86312	26.5	25.3	30.48858	30.67275	30.36797	0.40866	0.89999	0	4.89202	0	4.89055	220424958	4030310	88
08/24/2017 14:03:26	16.67564	16.69142	16.65141	726.98254	727.09997	726.89996	26.38657	26.49999	26.3	25.8954	26.4	25.6	30.48445	30.58963	30.36797	0.49116	0.89999	0	4.97539	0.02753	4.97361	220424958	4030310	88
08/24/2017 14:08:26	16.67531	16.69813	16.64352	726.86712	727	726.70001	26.61801	26.8	26.39999	25.50873	26	25	30.56888	30.64505	30.47879	1.10928	1.69999	0.59999	5.05877	0.01816	5.05694	220424958	4030310	88
08/24/2017 14:13:26	16.67613	16.70267	16.65064	726.71008	726.89996	726.59997	26.78457	26.89999	26.59999	25.83823	26.3	25.3	30.56929	30.70046	30.47879	0.94634	1.49999	0.49999	5.14213	0.02059	5.14027	220424958	4030310	88
08/24/2017 14:18:26	16.67417	16.70574	16.65006	726.64123	726.79998	726.59997	26.90401	26.99999	26.8	25.90329	26.4	25.6	30.56202	30.61734	30.5065	1.00071	1.29999	0.39999	5.2255	0.0386	5.22361	220424958	4030310	88
08/24/2017 14:23:26	16.67522	16.70267	16.64123	726.70105	726.79998	726.70001	27.02683	27.09999	26.89999	25.63169	26.2	25.2	30.56591	30.64505	30.5065	1.39514	1.79999	0.79999	5.30888	0.02905	5.30722	220424958	4030310	88
08/24/2017 14:28:26	16.67599	16.7063	16.65302	726.64361	726.70001	726.59997	27.11345	27.19999	26.99999	25.78981	26.3	25.3	30.57114	30.70046	30.45109	1.32364	1.79999	0.79999	5.39225	0.0497	5.39027	220424958	4030310	88
08/24/2017 14:33:26	16.67408	16.71447	16.64218	726.61102	726.70001	726.5	27.22421	27.39999	27.09999	25.5569	26.3	25.1	30.57021	30.67275	30.47879	1.6673	1.79999	0.79999	5.47562	0.04818	5.47361	220424958	4030310	88
08/24/2017 14:38:26	16.67538	16.70574	16.65714	726.64563	726.70001	726.59997	27.36975	27.39999	27.09999	25.86448	26.4	25.6	30.54641	30.61734	30.47879	1.50527	1.79999	0.79999	5.55899	0.00246	5.55694	220424958	4030310	88
08/24/2017 14:43:26	16.67537	16.69855	16.65445	726.59997	726.59997	726.59997	27.52345	27.59999	27.49999	26.06237	26.5	25.7	30.56264	30.64505	30.5065	1.46108	1.89999	0.99999	5.64237	0.05696	5.64055	220424958	4030310	88
08/24/2017 14:48:26	16.67537	16.69855	16.65445	726.59997	726.59997	726.59997	27.52345	27.59999	27.49999	26.06237	26.5	25.7	30.56264	30.64505	30.5065	1.46108	1.89999	0.99999	5.72573	0.01211	5.72361	220424958	4030310	88
08/24/2017 14:53:26	16.6742	16.69996	16.65006	726.57788	726.59997	726.5	27.63687	27.69999	27.49999	26.14434	26.6	25.8	30.57272	30.67275	30.47879	1.49253	1.79999	0.89999	5.80911	0.03878	5.80694	220424958	4030310	88
08/24/2017 14:58:26	16.67603	16.69657	16.64352	726.51544	726.59997	726.5	27.76039	27.99999	27.69999	26.24891	27	25.7	30.56862	30.64505	30.47879	1.51148	1.99999	0.69999	5.89248	0.04114	5.89027	220424958	4030310	88
08/24/2017 15:03:26	16.67517	16.70434	16.65376	726.5	726.5	726.5	27.94758	28.09999	27.8	26.63375	27.4	26.2	30.56729	30.64505	30.47879	1.31383	1.89999	0.39999	5.97585	0	5.97361	220424958	4030310	88
08/24/2017 15:08:26	16.67478	16.70234	16.65243	726.5	726.5	726.5	28.06037	28.09999	27.99999	26.21675	26.5	25.9	30.57589	30.70046	30.5065	1.84362	2.19999	1.09999	6.05923	0.02056	6.05694	220424958	4030310	88
08/24/2017 15:13:26	16.67584	16.71011	16.64864	726.5	726.5	726.5	28.10997	28.3	28.09999	26.40606	27	25.9	30.57027	30.64505	30.5065	1.7039	1.99999	0.79999	6.14261	0.02051	6.14027	220424958	4030310	88
08/24/2017 15:18:26	16.6768	16.70045	16.64533	726.5	726.5	726.5	28.25436	28.3	28.09999	26.76088	27.5	26.2	30.55346	30.61734	30.42338	1.49347	1.99999	0.79999	6.22597	0.05934	6.22361	220424958	4030310	88
08/24/2017 15:23:26	16.67339	16.69725	16.64157	726.49395	726.5	726.39996	28.38655	28.59999	28.3	26.52424	27	26	30.56127	30.64505	30.5065	1.86231	2.29999	1.39999	6.30933	0.02057	6.30694	220424958	4030310	88
08/24/2017 15:28:26	16.67749	16.70095	16.65861	726.43524	726.5	726.39996	28.70666	28.8	28.69999	26.82994	27.6	26	30.57671	30.67275	30.5065	1.87672	2.69999	1.09999	6.39272	0.03888	6.39055	220424958	4030310	88
08/24/2017 15:33:26	16.67749	16.70095	16.65861	726.43524	726.5	726.39996	28.70666	28.8	28.69999	26.82994	27.6	26	30.57671	30.67275	30.5065	1.87672	2.89999	1.09999	6.47607	0.01824	6.47361	220424958	4030310	88
08/24/2017 15:38:26	16.67762	16.70673	16.64828	726.359	726.39996	726.20001	28.79664	28.8	28.69999	26.62096	27.6	25.9	30.65046	30.78358	30.5065	2.17568	2.89999	1.19999	6.55946	0.05733	6.55722	220424958	4030310	88
08/24/2017 15:43:26	16.67762	16.70673	16.64828	726.359	726.39996	726.20001	28.79664	28.8	28.69999	26.62096	27.6	25.9	30.65046	30.78358	30.5065	2.17568	2.89999	1.19999	6.64284	0.01201	6.64027	220424958	4030310	88
08/24/2017 15:48:26	16.67508	16.70859	16.6368	726.39495	726.39996	726.29998	28.82344	28.89999	28.8	27.30122	27.8	26.9	30.56216	30.64505	30.47879	1.52222	1.89999	0.99999	6.7262	0.00226	6.72361	220424958	4030310	88
08/24/2017 15:53:26	16.67317	16.6937	16.64611	726.26678	726.29998	726.20001	29.03346	29.19999	28.99999	27.07546	27.5	26.4	30.71048	30.78358	30.58963	1.958	2.79999	1.49999	6.80955	0.04111	6.80722	220424958	4030310	88
08/24/2017 15:58:26	16.67317	16.6937	16.64611	726.26678	726.29998	726.20001	29.03346	29.19999	28.99999	27.07546	27.5	26.4	30.71048	30.78358	30.58963	1.958	2.79999	1.49999	6.89292	0.08596	6.89027	220424958	4030310	88
08/24/2017 16:03:26	16.67454	16.70133	16.64425	726.24029	726.29998	726.09997	29.24492	29.3	28.99999	26.28529	26.8	25.9	30.73773	30.86671	30.64505	2.95963	3.39999	2.39999	6.97629	0.06919	6.97361	220424958	4030310	88
08/24/2017 16:08:26	16.67383	16.70133	16.64488	726.22113	726.29998	726.20001	29.27991	29.3	29.19999	26.22235	26.9	25.9	30.74304	30.81129	30.67275	3.05755	3.39999	2.39999	7.05966	0.05688	7.05722	220424958	4030310	88
08/24/2017 16:13:26	16.67383	16.70133	16.64488	726.22113	726.29998	726.20001	29.27991	29.3	29.19999	26.22235	26.9	25.9	30.74304	30.81129	30.67275	3.05755	3.39999	2.39999	7.14302	0.02059	7.14027	220424958	4030310	88
08/24/2017 16:18:26	16.67526	16.70711	16.65001	726.19702	726.29998	726.09997	29.18262	29.3	28.99999	26.25571	26.5	25.9	30.74015	30.839	30.67275	2.9269	3.39999	2.59999	7.2264	0.02298	7.22361	220424958	4030310	88
08/24/2017 16:23:26	16.67443	16.70167	16.64213	726.09796	726.20001	726	28.97651	28.99999	28.89999	26.51763	27.1	26	30.69077	30.78358	30.5065	2.45888	2.99999	1.79999	7.30977	0.04113	7.30722	220424958	4030310	88
08/24/2017 16:28:26	16.67443	16.70167	16.64213	726.09796	726.20001	726	28.97651	28.99999	28.89999	26.51763	27.1	26	30.69077	30.78358	30.5065	2.45888	2.99999	1.79999	7.39314	0.05676	7.39027	220424958	4030310	88
08/24/2017 16:33:26	16.67407	16.70338	16.64021	726.09191	726.09997	726	28.95976	28.99999	28.89999	26.12909	26.5	25.6	30.74801	30.839	30.64505	2.83067	3.29999	2.49999	7.4765	0.07298	7.47361	220424958	4030310	88
08/24/2017 16:38:26	16.67693	16.70539	16.6531	726.10406	726.20001	726	28.75641	28.8	28.69999	25.95076	26.4	25.3	30.70071	30.89442	30.53421	2.80564	3.49999	2.29999	7.55989	0.00239	7.55722	220424958	4030310	88
08/24/2017 16:43:26	16.67693	16.70539	16.6531	726.10406	726.20001	726	28.75641	28.8	28.69999	25.95076	26.4	25.3	30.70071	30.89442	30.53421	2.80564	3.49999	2.29999	7.64326	0.00249	7.64027	220424958	4030310	88
08/24/2017 16:48:26	16.67369	16.69453	16.65208	726.06243	726.09997	725.89996	28.71946	28.8	28.69999	25.94454	26.3	25.6	30.77418	30.89442	30.64505	2.77492	3.09999	2.39999	7.72664	0.03881	7.72361	220424958	4030310	88
08/24/2017 16:53:26	16.67431	16.69549	16.64258	726.03057	726.09997	725.89996	28.53955	28.69999	28.39999	25.75165	26	25.6	30.77165	30.92212	30.61734	2.7879	3.09999	2.59999	7.81002	0.01807	7.80722	220424958	4030310	88
08/24/2017 16:58:26	16.67431	16.69549	16.64258	726.03057	726.09997	725.89996	28.53955	28.69999	28.39999	25.75165	26	25.6	30.77165	30.92212	30.61734	2.7879	3.09999	2.59999	7.89338	0.04713	7.89027	220424958	4030310	88
08/24/2017 17:03:26	16.67449	16.70395	16.64322	726.07946	726.20001	726	28.47377	28.69999	28.39999	25.51418	25.9	25.3	30.77167	30.89442	30.67275	2.95959	3.29999	2.49999	7.97674	0.07729	7.97361	220424958	4030310	88
08/24/2017 17:08:26	16.67373	16.70157	16.65406	726.08825	726.20001	726	28.25913	28.59999	27.99999	25.56526	25.9	25.2	30.72696	30.86671	30.58963	2.69386	3.19999	2.39999	8.06011	0.09804	8.05694	220424958	4030310	88
08/24/2017 17:13:26	16.67506	16.70127	16.649	726.05371	726.09997	726	27.90888	28.09999	27.69999	25.59101	25.9	25.2	30.65794	30.78358	30.56192	2.31787	2.79999	1.79999	8.14346	0.018	8.14027	220424958	4030310	88
08/24/2017 17:18:26	16.67409	16.69549	16.64559	726.03424	726.09997	726	27.6195	27.69999	27.39999	25.60468	26	25.1	30.66146	30.86671	30.56192	2.01483	2.39999	1.69999	8.22685	0.01517	8.22361	220424958	4030310	88
08/24/2017 17:23:26	16.67456	16.69713	16.65643	725.95874	726	725.89996	27.40671	27.49999	27.19999	25.34664	25.8	24.7	30.74347	30.89442	30.58963	2.06006	2.69999	1.59999	8.31028	0.07724	8.30694	220424958	4030310	88
08/24/2017 17:28:26	16.67586	16.69562	16.65154	725.90026	726	725.89996	27.36977	27.39999	27.09999	24.88119	25.1	24.6	30.83309	30.92212	30.72817	2.48857	2.99999	1.89999	8.39369	0.02067	8.39055	220424958	4030310	88
08/24/2017 17:33:26	16.67508	16.70142	16.64575	725.85974	725.89996	725.79998	27.34101	27.39999	27.19999	24.9128	25.3	24.4	30.87993	30.94983	30.78358	2.4282	2.99999	1.89999	8.47712	0.00848	8.47361	220424958	4030310	88
08/24/2017 17:38:26	16.67408	16.69404	16.65034	725.81939	725.89996	725.79998	27.36988	27.39999	27.09999	24.81144	25.6	24.5	30.89127	31.00525	30.72817	2.55844	2.89999	1.69999	8.56051	0	8.55722	220424958	4030310	88
08/24/2017 17:43:26	16.67408	16.69404	16.65034	725.81939	725.89996	725.79998	27.36988	27.39999	27.09999	24.81144	25.6	24.5	30.89127	31.00525	30.72817	2.55844	2.89999	1.69999	8.64391	0.00848	8.64027	220424958	4030310	88
08/24/2017 17:48:26	16.67492	16.70237	16.64758	725.88183	726	725.79998	27.14499	27.39999	26.99999	23.96653	24.2	23.6	30.91134	31.03295	30.839	3.17846	3.49999	2.89999	8.72734	0.02074	8.72389	220424958	4030310	88
08/24/2017 17:53:26	16.67492	16.70237	16.64758	725.88183	726	725.79998	27.14499	27.39999	26.99999	23.96653	24.2	23.6	30.91134	31.03295	30.839	3.17846	3.59999	2.39999	8.81075	0.00287	8.80694	220424958	4030310	88
08/24/2017 17:58:26	16.67605	16.7039	16.64911	725.84863	725.89996	725.79998	26.87587	26.99999	26.59999	23.82818	24.4	23.4	30.89612	31.03295	30.72817	3.04769	3.49999	2.59999	8.89415	0.03541	8.89055	220424958	4030310	88
08/24/2017 18:03:26	16.67287	16.7138	16.64995	725.81305	725.89996	725.79998	26.6693	26.8	26.39999	23.59728	24	23.3	30.9739	31.08837	30.81129	3.07202	3.49999	2.59999	8.97756	0.02999	8.97361	220424958	4030310	88
08/24/2017 18:08:26	16.67362	16.69893	16.64826	725.76574	725.79998	725.70001	26.41344	26.59999	26.3	23.64891	23.9	23.4	30.96699	31.06066	30.839	2.76453	2.99999	2.49999	9.06099	0.03538	9.05694	220424958	4030310	88
08/24/2017 18:13:26	16.67102	16.69354	16.64378	725.76641	725.79998	725.70001	26.13967	26.3	25.99999	22.8238	23.3	22.3	31.04589	31.1992	30.94983	3.31587	3.69999	2.89999	9.14436	0.05573	9.14055	220424958	4030310	88
08/24/2017 18:18:26	16.67102	16.69354	16.64378	725.76641	725.79998	725.70001	26.13967	26.3	25.99999	22.8238	23.3	22.3	31.04589	31.1992	30.94983	3.31587	3.69999	2.89999	9.22777	0.03831	9.22361	220424958	4030310	88
08/24/2017 18:23:26	16.67531	16.69748	16.65941	725.7124	725.79998	725.70001	25.34632	25.39999	25.3	22.49065	22.9	22.3	31.02745	31.08837	30.97754	2.85567	3.09999	2.49999	9.31118	0	9.30722	220424958	4030310	88
08/24/2017 18:28:26	16.67531	16.69748	16.65941	725.7124	725.79998	725.70001	25.34632	25.39999	25.3	22.49065	22.9	22.3	31.02745	31.08837	30.97754	2.85567	3.09999	2.49999	9.39465	0	9.39027	220424958	4030310	88
08/24/2017 18:33:26	16.67454	16.6965	16.65846	725.71008	725.79998	725.70001	25.25638	25.3	25.09999	22.29663	22.4	22.1	31.0485	31.11608	30.97754	2.95975	3.19999	2.69999	9.47807	0.03828	9.47361	220424958	4030310	88
08/24/2017 18:38:26	16.67623	16.69927	16.65639	725.61004	725.70001	725.59997	24.92553	25.09999	24.8	21.93883	22.1	21.7	31.17337	31.25462	31.00525	2.98669	3.19999	2.8	9.56149	0.04175	9.55722	220424958	4030310	88
08/24/2017 18:43:26	16.67623	16.69927	16.65639	725.61004	725.70001	725.59997	24.92553	25.09999	24.8	21.93883	22.1	21.7	31.17337	31.25462	31.00525	2.98669	3.19999	2.8	9.64491	0.02087	9.64027	220424958	4030310	88
08/24/2017 18:48:26	16.67663	16.70028	16.65054	725.59997	725.59997	725.59997	24.61281	24.69999	24.49999	21.86918	22	21.7	31.13479	31.22691	31.00525	2.69259	2.99999	2.49999	9.72833	0.07642	9.72389	220424958	4030310	88
08/24/2017 18:53:26	16.67663	16.70028	16.65054	725.59997	725.59997	725.59997	24.61281	24.69999	24.49999	21.86918	22	21.7	31.16594	31.25462	31.06066	2.74362	2.99999	2.49999	9.81173	0.01217	9.80694	220424958	4030310	88
08/24/2017 18:58:26	16.6747	16.69722	16.65338	725.61004	725.70001	725.5	24.45639	24.49999	24.39999	21.53501	22	21.2	31.18471	31.28233	31.08837	2.92137	3.29999	2.39999	9.89515	0.0381	9.89027	220424958	4030310	88
08/24/2017 19:03:26	16.67346	16.7058	16.65023	725.60028	725.70001	725.5	23.7518	23.99999	23.49999	20.6383	21	20.4	31.21005	31.31004	31.11608	3.1135	3.39999	2.89999	9.97858	0	9.97389	220424958	4030310	88
08/24/2017 19:08:26	16.67346	16.7058	16.65023	725.60028	725.70001	725.5	23.7518	23.99999	23.49999	20.6383	21	20.4	31.21005	31.31004	31.11608	3.1135	3.39999	2.89999	10.06203	0.04658	10.05694	220424958	4030310	88
08/24/2017 19:13:26	16.67463	16.6966	16.65762	725.59094	725.59997	725.5	23.10278	23.3	22.89999	20.10209	20.3	19.9	31.22891	31.39316	31.11608	3.00069	3.3	2.69999	10.14544	0.09697	10.14055	220424958	4030310	88
08/24/2017 19:18:26	16.67463	16.6966	16.65762	725.59094	725.59997	725.5	23.10278	23.3	22.89999	20.10209	20.3	19.9	31.22891	31.39316	31.11608	3.00069	3.3	2.69999	10.22886	0.01691	10.22361	220424958	4030310	88
08/24/2017 19:23:26	16.67286	16.69316	16.66124	725.60498	725.70001	725.59997	22.73896	22.99999	22.39999	19.68861	19.9	19.6	31.18546	31.36545	31.06066	3.05034	3.29999	2.69999	10.31225	0.05896	10.30694	220424958	4030310	88
08/24/2017 19:28:26	16.67476	16.6979	16.64711	725.60803	725.70001	725.59997	22.33647	22.69999	22.09999	19.20008	19.7	19	31.23358	31.33775	31.08837	3.13639	3.19999	2.59999	10.39569	0.00434	10.39055	220424958	4030310	88
08/24/2017 19:33:26	16.67235	16.69068	16.65062	725.60302	725.70001	725.59997	21.85523	22.09999	21.59999	18.87264	19	18.7	31.16628	31.33775	30.97754	2.98258	3.19999	2.59999	10.47911	0	10.47361	220424958	4030310	88

08/24/2017 19:38:26	16.67609	16.69182	16.65878	725.59997	725.59997	725.59997	21.19804	21.49999	20.89999	18.47991	18.6	18.4	31.19484	31.31004	31.08837	2.71812	2.99999	2.29999	10.56254	0.08003	10.55722	220424958	4030310	88
08/24/2017 19:43:26	16.67609	16.69182	16.65878	725.59997	725.59997	725.59997	21.19804	21.49999	20.89999	18.47991	18.6	18.4	31.19484	31.31004	31.08837	2.71812	2.99999	2.29999	10.64593	0.10117	10.64027	220424958	4030310	88
08/24/2017 19:48:26	16.67423	16.70116	16.6516	725.59796	725.59997	725.5	20.4257	20.8	20.19999	18.11675	18.4	18	31.21163	31.33775	31.14379	2.30895	2.69999	1.79999	10.72934	0.03778	10.72389	220424958	4030310	88
08/24/2017 19:53:26	16.67423	16.70116	16.6516	725.59796	725.59997	725.5	20.4257	20.8	20.19999	18.11675	18.4	18	31.21163	31.33775	31.14379	2.30895	2.69999	1.79999	10.81276	0.04227	10.80694	220424958	4030310	88
08/24/2017 19:58:26	16.67433	16.68929	16.6609	725.599	725.59997	725.5	19.75908	19.89999	19.59999	18.06984	18.2	17.9	31.32098	31.42087	31.14379	1.68924	1.8	1.59999	10.89619	0.02116	10.89055	220424958	4030310	88
08/24/2017 20:03:26	16.675	16.69038	16.65735	725.57385	725.59997	725.5	19.4659	19.69999	19.3	17.94305	18	17.8	31.4015	31.5317	31.28233	1.52284	1.79999	1.39999	10.97963	0.02966	10.97389	220424958	4030310	88
08/24/2017 20:08:26	16.67602	16.68908	16.66068	725.50402	725.59997	725.5	19.21887	19.39999	19.09999	17.69524	17.9	17.5	31.4779	31.55941	31.39316	1.52362	1.69999	1.29999	11.06308	0.04234	11.05722	220424958	4030310	88
08/24/2017 20:13:26	16.67602	16.68908	16.66068	725.50402	725.59997	725.5	19.21887	19.39999	19.09999	17.69524	17.9	17.5	31.4779	31.55941	31.39316	1.52362	1.69999	1.29999	11.14653	0.03764	11.14027	220424958	4030310	88
08/24/2017 20:18:26	16.67243	16.69325	16.6497	725.57049	725.59997	725.5	18.6926	18.8	18.49999	17.12389	17.3	16.9	31.49178	31.64253	31.36545	1.5687	1.8	1.39999	11.22998	0.01637	11.22389	220424958	4030310	88
08/24/2017 20:23:26	16.67243	16.69325	16.6497	725.57049	725.59997	725.5	18.6926	18.8	18.49999	17.12389	17.3	16.9	31.49178	31.64253	31.36545	1.5687	1.8	1.39999	11.31343	0.0085	11.30694	220424958	4030310	88
08/24/2017 20:28:26	16.6746	16.68812	16.66025	725.612	725.70001	725.59997	18.48667	18.69999	18.39999	16.88935	17	16.7	31.52919	31.69795	31.39316	1.59731	1.69999	1.49999	11.39688	0.00501	11.39027	220424958	4030310	88
08/24/2017 20:33:26	16.67363	16.69269	16.65374	725.70001	725.70001	725.70001	18.19208	18.39999	17.99999	16.65912	16.8	16.4	31.5327	31.67024	31.42087	1.53295	1.69999	1.29999	11.48033	0	11.47361	220424958	4030310	88
08/24/2017 20:38:26	16.67578	16.68747	16.66048	725.7608	725.79998	725.70001	17.73638	17.89999	17.49999	16.26591	16.4	16.1	31.6334	31.69795	31.55941	1.47046	1.59999	1.19999	11.56379	0	11.55722	220424958	4030310	88
08/24/2017 20:43:26	16.67578	16.68747	16.66048	725.7608	725.79998	725.70001	17.73638	17.89999	17.49999	16.26591	16.4	16.1	31.6334	31.69795	31.55941	1.47046	1.59999	1.19999	11.64727	0.03746	11.64027	220424958	4030310	88
08/24/2017 20:48:26	16.67418	16.68986	16.65999	725.70098	725.79998	725.70001	17.48269	17.8	17.3	16.04634	16.3	15.8	31.64608	31.72566	31.58712	1.43634	1.69999	1.29999	11.73066	0	11.72361	220424958	4030310	88
08/24/2017 20:53:26	16.67565	16.70107	16.65761	725.79998	725.79998	725.79998	17.0859	17.19999	16.99999	15.9744	16.1	15.8	31.67838	31.80878	31.58712	1.11149	1.39999	0.89999	11.81401	0.02129	11.80722	220424958	4030310	88
08/24/2017 20:58:26	16.67565	16.70107	16.65761	725.79998	725.79998	725.79998	17.0859	17.19999	16.99999	15.9744	16.1	15.8	31.67838	31.80878	31.58712	1.11149	1.39999	0.89999	11.89744	0	11.89027	220424958	4030310	88
08/24/2017 21:03:26	16.67623	16.69056	16.66573	725.87048	725.89996	725.79998	16.86242	16.99999	16.8	15.98992	16.1	15.8	31.68572	31.78107	31.58712	0.8725	1.19999	0.8	11.98086	0.02977	11.97361	220424958	4030310	88
08/24/2017 21:08:26	16.67552	16.69799	16.66264	725.87176	725.89996	725.79998	16.7363	16.8	16.69999	16.06708	16.3	16	31.7352	31.83649	31.64253	0.66922	0.8	0.39999	12.06428	0.08005	12.05694	220424958	4030310	88
08/24/2017 21:13:26	16.67603	16.69869	16.65523	725.89996	725.89996	725.89996	16.37655	16.39999	16.3	15.90417	16.1	15.7	31.74918	31.83649	31.64253	0.47238	0.69999	0.29999	12.1477	0.0213	12.14055	220424958	4030310	88
08/24/2017 21:18:26	16.67603	16.69869	16.65523	725.89996	725.89996	725.89996	16.37655	16.39999	16.3	15.90417	16.1	15.7	31.74918	31.83649	31.64253	0.47238	0.69999	0.29999	12.23115	0	12.22361	220424958	4030310	88
08/24/2017 21:23:26	16.6731	16.69573	16.65975	725.89996	725.89996	725.89996	16.19329	16.3	16.09999	15.64292	15.7	15.6	31.77854	31.83649	31.69795	0.55036	0.59999	0.39999	12.31459	0	12.30722	220424958	4030310	88
08/24/2017 21:28:26	16.6731	16.69573	16.65975	725.89996	725.89996	725.89996	16.19329	16.3	16.09999	15.64292	15.7	15.6	31.77854	31.83649	31.69795	0.55036	0.59999	0.39999	12.39805	0.02134	12.39027	220424958	4030310	88
08/24/2017 21:33:26	16.67549	16.68818	16.65975	725.90094	726	725.89996	16.04719	16.09999	15.8	15.83742	16	15.7	31.78173	31.83649	31.72566	0.2363	0.39999	0	12.48151	0.04261	12.47389	220424958	4030310	88
08/24/2017 21:38:26	16.67549	16.68818	16.65975	725.90094	726	725.89996	16.04719	16.09999	15.8	15.83742	16	15.7	31.78173	31.83649	31.72566	0.2363	0.39999	0	12.56496	0.01606	12.55694	220424958	4030310	88
08/24/2017 21:43:26	16.67452	16.68885	16.66188	726.00097	726.09997	726	15.79664	15.99999	15.69999	15.62687	15.7	15.5	31.81534	31.94732	31.72566	0.16976	0.39999	0	12.64844	0	12.64055	220424958	4030310	88
08/24/2017 21:48:26	16.67452	16.68885	16.66188	726.00097	726.09997	726	15.79664	15.99999	15.69999	15.62687	15.7	15.5	31.81534	31.94732	31.72566	0.16976	0.39999	0	12.7319	0	12.72361	220424958	4030310	88
08/24/2017 21:53:26	16.67571	16.68885	16.66402	726.08252	726.09997	726	15.69999	15.8	15.59999	15.62616	15.7	15.5	31.79879	31.91961	31.72566	0.07382	0.19999	0	12.81538	0.03739	12.80722	220424958	4030310	88
08/24/2017 21:58:26	16.67571	16.68885	16.66402	726.08252	726.09997	726	15.69999	15.8	15.59999	15.62616	15.7	15.5	31.79879	31.91961	31.72566	0.07382	0.19999	0	12.89884	0	12.89027	220424958	4030310	88
08/24/2017 22:03:26	16.67569	16.69696	16.655	726.09997	726.09997	726.09997	15.63289	15.69999	15.49999	15.67659	15.8	15.6	31.82431	31.91961	31.75336	0.05715	0.2	0	12.98227	0.03739	12.97389	220424958	4030310	88
08/24/2017 22:08:26	16.67569	16.69696	16.655	726.09997	726.09997	726.09997	15.63289	15.69999	15.49999	15.67659	15.8	15.6	31.82431	31.91961	31.75336	0.05715	0.39999	0	13.06572	0.04269	13.05722	220424958	4030310	88
08/24/2017 22:13:26	16.67662	16.68947	16.65951	726.09997	726.09997	726.09997	15.58391	15.69999	15.49999	15.43233	15.6	15.2	31.9164	31.97503	31.78107	0.1704	0.39999	0	13.14919	0.00538	13.14027	220424958	4030310	88
08/24/2017 22:18:26	16.6757	16.68947	16.65055	726.13317	726.20001	726.09997	15.44295	15.49999	15.39999	15.1718	15.4	15.1	31.92076	32.00274	31.80878	0.27115	0.39999	0	13.23263	0.02137	13.22389	220424958	4030310	88
08/24/2017 22:23:26	16.6757	16.68947	16.65055	726.13317	726.20001	726.09997	15.44295	15.49999	15.39999	15.1718	15.4	15.1	31.92076	32.00274	31.80878	0.27115	0.39999	0	13.31606	0.03202	13.30694	220424958	4030310	88
08/24/2017 22:28:26	16.67755	16.69757	16.65565	726.15258	726.20001	726.09997	15.31951	15.39999	15.09999	15.29929	15.4	15.1	31.92832	31.97503	31.8642	0.1543	0.3	0	13.3995	0.00848	13.39055	220424958	4030310	88
08/24/2017 22:33:26	16.67755	16.69757	16.65565	726.15258	726.20001	726.09997	15.31951	15.39999	15.09999	15.29929	15.4	15.1	31.92832	31.97503	31.8642	0.1543	0.3	0	13.48291	0.07467	13.47361	220424958	4030310	88
08/24/2017 22:38:26	16.67701	16.69243	16.65055	726.17785	726.20001	726.09997	15.15301	15.19999	15.09999	15.10672	15.2	15	31.97451	32.08586	31.8919	0.05302	0.1	0	13.56637	0.04584	13.55722	220424958	4030310	88
08/24/2017 22:43:26	16.67701	16.69243	16.65055	726.17785	726.20001	726.09997	15.15301	15.19999	15.09999	15.10672	15.2	15	31.97451	32.08586	31.8919	0.05302	0.1	0	13.64984	0	13.64027	220424958	4030310	88
08/24/2017 22:48:26	16.67497	16.68643	16.65266	726.19799	726.20001	726.09997	15.11272	15.19999	15.09999	15.02012	15.1	15	31.93756	32.00274	31.8642	0.0926	0.19999	0	13.73325	0.01592	13.72361	220424958	4030310	88
08/24/2017 22:53:26	16.6743	16.69005	16.65266	726.20001	726.20001	726.20001	15.00265	15.09999	14.89999	14.99337	15.1	14.9	31.97231	32.08586	31.8919	0.05635	0.2	0	13.81666	0	13.80722	220424958	4030310	88
08/24/2017 22:58:26	16.6743	16.69005	16.65266	726.20001	726.20001	726.20001	15.00265	15.09999	14.89999	14.99337	15.1	14.9	31.97231	32.08586	31.8919	0.05635	0.2	0	13.90009	0.02136	13.89027	220424958	4030310	88
08/24/2017 23:03:26	16.67565	16.69452	16.65266	726.20001	726.20001	726.20001	14.9161	14.99999	14.89999	14.95375	15	14.9	31.98506	32.08586	31.8919	0.05645	0.1	0	13.98351	0	13.97361	220424958	4030310	88
08/24/2017 23:08:26	16.67655	16.69452	16.65266	726.20001	726.20001	726.20001	14.89	14.99999	14.8	14.91008	15	14.8	32.01255	32.11357	31.8919	0.04694	0.2	0	14.06693	0.03727	14.05694	220424958	4030310	88
08/24/2017 23:13:26	16.67722	16.69089	16.65114	726.19464	726.20001	726.09997	14.79327	14.8	14.59999	14.89338	15	14.8	32.06826	32.19669	31.94732	0.10011	0.3	0	14.15036	0	14.14055	220424958	4030310	88
08/24/2017 23:18:26	16.67722	16.69089	16.65114	726.19464	726.20001	726.09997	14.79327	14.8	14.59999	14.89338	15	14.8	32.06826	32.19669	31.94732	0.10011	0.3	0	14.23378	0.03726	14.22361	220424958	4030310	88
08/24/2017 23:23:26	16.67145	16.68095	16.64961	726.20001	726.20001	726.20001	14.56308	14.8	14.49999	14.58329	14.8	14.5	32.14032	32.25211	32.00274	0.06713	0.2	0	14.31721	0	14.30722	220424958	4030310	88
08/24/2017 23:28:26	16.67145	16.68095	16.64961	726.20001	726.20001	726.20001	14.56308	14.8	14.49999	14.58329	14.8	14.5	32.14032	32.25211	32.00274	0.06713	0.2	0	14.40065	0.02145	14.39027	220424958	4030310	88
08/24/2017 23:33:26	16.67575	16.68982	16.65975	726.20001	726.20001	726.20001	14.49596	14.59999	14.39999	14.2291	14.4	13.9	32.21819	32.30752	32.11357	0.26686	0.59999	0.09999	14.4841	0.03714	14.47361	220424958	4030310	88
08/24/2017 23:38:26	16.67491	16.685	16.65975	726.20001	726.20001	726.20001	14.41274	14.49999	14.39999	13.7859	13.9	13.7	32.23432	32.30752	32.16898	0.62684	0.69999	0.49999	14.56756	0.07425	14.55694	220424958	4030310	88
08/24/2017 23:43:26	16.67708	16.68702	16.65815	726.25024	726.29998	726.20001	14.32623	14.39999	14.19999	13.71275	13.8	13.7	32.23573	32.30752	32.16898	0.61347	0.69999	0.39999	14.651	0	14.64055	220424958	4030310	88
08/24/2017 23:48:26	16.67344	16.68702	16.66179	726.29998	726.29998	726.29998	14.22215	14.39999	14.19999	13.7738	13.8	13.7	32.2381	32.30752	32.11357	0.44835	0.69999	0.39999	14.73449	0.02145	14.72361	220424958	4030310	88
08/24/2017 23:53:26	16.67374	16.68262	16.66179	726.29998	726.29998	726.29998	14.133	14.19999	13.99999	13.82675	13.9	13.8	32.23797	32.30752	32.14128	0.30624	0.39999	0.09999	14.81796	0	14.80694	220424958	4030310	88
08/24/2017 23:58:26	16.67554	16.69629	16.65738	726.29998	726.29998	726.29998	13.93961	13.99999	13.79999	13.97361	14.2	13.9	32.25344	32.33523	32.16898	0.07969	0.3	0	14.90138	0.00569	14.89055	220424958	4030310	88
08/25/2017 00:03:26	16.67466	16.7023	16.65297	726.27087	726.29998	726.20001	13.82618	13.89999	13.79999	14.11086	14.3	14	32.25813	32.36294	32.16898	0.28468	0.5	0.1	14.98479	0.03713	14.97389	220424958	4030310	88
08/25/2017 00:08:26	16.67466	16.7023	16.65297	726.27087	726.29998	726.20001	13.82618	13.89999	13.79999	14.11086	14.3	14	32.25813	32.36294	32.16898	0.28468	0.5	0.1	15.06819	0.0372	15.05694	220424958	4030310	88
08/25/2017 00:13:26	16.67512	16.69705	16.65975	726.19799	726.20001	726.09997	13.82014	13.99999	13.79999	13.97659	14	13.9	32.34665	32.52919	32.19669	0.15644	0.2	0	15.15161	0.03713	15.14027	220424958	4030310	88
08/25/2017 00:18:26	16.67263	16.69178	16.65288	726.10199	726.20001	726.09997	13.80335	13.89999	13.79999	13.60947	13.8	13.4	32.54182	32.77856	32.36294	0.19388	0.49999	0	15.23503	0	15.22389	220424958	4030310	88
08/25/2017 00:23:26	16.67263	16.69178	16.65288	726.10199	726.20001	726.09997	13.80335	13.89999	13.79999	13.60947	13.8	13.4	32.54182	32.77856	32.36294	0.19388	0.49999	0	15.31847	0.03707	15.30694	220424958	4030310	88
08/25/2017 00:28:26	16.67574	16.69045	16.64886	726.19598	726.20001	726.09997	13.77667	13.79999	13.59999	13.28993	13.3	13.2	32.55491	32.75085	32.36294	0.48673	0.59999	0.29999	15.40188	0.0371	15.39055	220424958	4030310	88
08/25/2017 00:33:26	16.67574	16.69045	16.64886	726.19598	726.20001	726.09997	13.77667	13.79999	13.59999	13.28993	13.3	13.2	32.55491	32.75085	32.36294	0.48673	0.59999	0.29999	15.48529	0.0371	15.47361	220424958	4030310	88
08/25/2017 00:38:26	16.67478	16.69212	16.65488	726.20001	726.20001	726.20001	13.67243	13.79999	13.59999	13.31275	13.4	13.3	32.52843	32.72314	32.39065	0.35968	0.49999	0.19999	15.5687	0.0371	15.55694	220424958	4030310	88
08/25/2017 00:43:26	16.67571	16.69649	16.65926	726.18188	726.20001	726.09997	13.49272	13.59999	13.39999	13.28992	13.4	13.2	32.64774	32.80627	32.44606	0.20279	0.39999	0	15.65209	0.03707	15.64055	220424958	4030310	88
08/25/2017 00:48:26	16.67571	16.69649	16.65926	726.18188	726.20001	726.09997	13.49272	13.59999	13.39999	13.28992	13.4	13.2	32.64774	32.80627	32.44606	0.20279	0.39999	0	15.73555	0	15.72361	220424958	4030310	88
08/25/2017 00:53:26	16.67472	16.69982	16.65213	726.18389	726.20001	726.09997	13.39328	13.59999	13.29999	13.63335	13.8	13.4	32.67275	32.80627	32.50148	0.25353	0.4	0	15.81895	0.01568	15.80722	220424958	4030310	88
08/25/2017 00:58:26	16.67512	16.69982	16.6505	726.19696	726.20001	726.09997	13.37311	13.39999	13.29999	13.58953	13.7	13.3	32.68395	32.77856	32.5846	0.21641	0.4	0	15.90234	0.0586	15.89055	220424958	4030310	88
08/25/2017 01:03:26	16.67512	16.69982	16.6505	726.19696	726.20001	726.09997	13.37311	13.39999	13.29999	13.58953	13.7	13.3	32.68395	32.77856	32.5846	0.21641	0.4	0	15.98572	0.0215	15.97361	220424958	4030310	88
08/25/2017 01:08:26	16.67574	16.69719	16.666	726.09997	726.09997	726.09997	13.3235	13.39999	13.19999	13.08668	13.1	13	32.83447	32.9171	32.75085	0.23682	0.29999	0.09999	16.06918	0.02153	16.05722	220424958	4030310	88
08/25/2017 01:13:26	16.67574	16.69719	16.666	726.09997	726.09997	726.09997	13.3235	13.39999	13.19999	13.08668	13.1	13	32.83447	32.9171	32.75085	0.23682	0.29999	0.09999	16.15268	0	16.14027	220424958	4030310	88
08/25/2017 01:18:26	16.67537	16.6868	16.67036	726.09997	726.09997	726.09997	13.19999	13.29999	13.09999	13.07717	13.1	13	32.85772	32.9171	32.77856	0.12281	0.29999	0	16.23617	0.02153	16.22388	220424958	4030310	88
08/25/2017 01:23:26	16.67168	16.68075	16.64958	726.09997	726.09997	726.09997	13.15641	13.19999	13.09999	12.99999	13.1	12.8	32.85601	32.9171	32.80627	0.15642	0.39999	0.09999	16.31964	0	16.30722	220424958	4030310	88
08/25/2017 01:28:26	16.67168	16.68075	16.64958	726.09997	726.09997	726.09997	13.15641	13.19999	13.09999	12.99999	13.1	12.8	32.85601	32.9171	32.80627	0.15642	0.39999	0.09999	16.40303	0	16.39027	220424958	4030310	88
08/25/2017 01:33:26	16.67266	16.68944	16.64958	726.09997	726.09997	726.09997	13.11006	13.19999	12.99999	12.95315	13	12.8	32.86268	32.9171	32.80627	0.15691	0.29999	0.09999	16.48623	0	16.47361	220424958	4030310	88
08/25/2017 01:38:26	16.67674	16.69114	16.64958	726.09997	726.09997	726.09997	13.10671	13.19999	13.09999	12.80547	13	12.7	32.87735	32.97251	32.77856	0.30123	0.39999	0.09999	16.56944	0	16.55694	220424958	4030310	88
08/25/2017 01:43:26	16.67813	16.69114	16.6479	726.09997	726.09997	726.09997	12.85923	12.99999	12.79999	12.85011	13	12.7	32.98851	33.08335	32.83397	0.11607	0.29999	0	16.65264	0	16.64055	220424958	4030310	88
08/25/2017 01:48:26	16.67813	16.69114	16.6479	726.09997	726.09997	726.09997	12.85923	12.99999	12.79999	12.85011	13	12.7	32.98851	33.08335	32.83397	0.11607	0.29999	0	16.73584	0.03954	16.72361	220424958	4030310	88
08/25/2017 01:53:26	16.67504	16.69114	16.6479	726.08697	726.09997	726	12.79327	12.79999	12.69999	12.8994	13	12.8	32.95112	33.05564	32.83397	0.10613	0.2	0	16.81905	0.07407	16.80694	220424958	4030310	88
08/25/2017 01:58:26	16.6718	16.69353	16.65028	726.01397	726.09997	726	12.72956	12.79999	12.69999	12.87596	13	12.7	33.01242	33.11105	32.9171	0.15311	0.3	0	16.90225	0.03459	16.89055	220424958	4030310	88
08/25/2017 02:03:26	16.6718	16.69353	16.65028	726.01397	726.09997	726	12.72956	12.79999	12.69999	12.87596	13	12.7	33.01242	33.11105	32.9171	0.15311	0.3	0	16.98546	0.0801	16.97361	220424958	4030310	88
08/25/2017 02:08:26	16.67569	16.70154	16.6479	726.0946	726.09997	726	12.70335	12.79999	12.69999	12.87051	13	12.7	33.01102	33.08335	32.94481	0.16715	0.3	0	17.06866	0.03701	17.05694	220424958	4030310	88
08/25/2017 02:13:26	16.67581	16.69182	16.64859	726	726	726	12.69003	12.69999	12.59999	12.6933	12.8	12.6	33.09447	33.19418	33.00022	0.0234	0.1	0	17.15186	0	17.14055	220424958	4030310	88
08/25/2017 02:18:26	16.6764	16.69616	16.65293	726	726	726	12.67715	12.79999	12.59999	12.65309	12.7	12.5	33.08106	33.22189	32.94481	0.05631	0.19999	0	17.23507	0.01546	17.22388	220424958	4030310	88
08/25/2017 02:23:26	16.6764	16.69616	16.65293	726	726	726	12.67715	12.79999	12.59999	12.65309	12.7	12.5	33.08106	33.22189	32.94481	0.05631	0.19999	0	17.31827	0.02156	17.30694	220424958	4030310	88
08/25/2017 02:28:26	16.6752	16.69011	16.65293	726	726	726	12.64989	12.69999	12.49999	12.5263	12.7	12.4	33.14489	33.22189	33.00022	0.1303	0.29999	0	17.40147	0	17.39027	220424958	4030310	88

08/25/2017 02:33:26	16.67666	16.69875	16.65985	726	726	726	12.51332	12.69999	12.49999	12.33291	12.4	12.1	33.19247	33.33272	33.11105	0.18041	0.39999	0.09999	17.48468	0.03695	17.47388	220424958	4030310	88
08/25/2017 02:38:26	16.67666	16.69875	16.65985	726	726	726	12.51332	12.69999	12.49999	12.33291	12.4	12.1	33.19247	33.33272	33.11105	0.18041	0.39999	0.09999	17.56788	0.07394	17.55694	220424958	4030310	88
08/25/2017 02:43:26	16.67636	16.68838	16.65316	726.03222	726.09997	726	12.43295	12.49999	12.19999	12.30725	12.4	12.1	33.24683	33.33272	33.13877	0.1391	0.39999	0	17.65108	0.03698	17.64055	220424958	4030310	88
08/25/2017 02:48:26	16.67636	16.68838	16.65316	726.03222	726.09997	726	12.43295	12.49999	12.19999	12.30725	12.4	12.1	33.24683	33.33272	33.13877	0.1391	0.2	0	17.73429	0.00619	17.72361	220424958	4030310	88
08/25/2017 02:53:26	16.67651	16.69875	16.65554	726.00097	726.09997	726	12.36569	12.49999	12.19999	12.38348	12.5	12.2	33.22971	33.33272	33.13877	0.07635	0.2	0	17.81749	0	17.80694	220424958	4030310	88
08/25/2017 02:58:26	16.67545	16.69875	16.65142	726.0578	726.09997	726	12.30617	12.39999	12.19999	12.10008	12.4	12	33.27102	33.36043	33.13877	0.20609	0.39999	0	17.9007	0.07403	17.89027	220424958	4030310	88
08/25/2017 03:03:26	16.67524	16.70674	16.64949	726.07238	726.09997	726	12.25379	12.39999	12.19999	12.26403	12.6	12.1	33.30079	33.38814	33.19418	0.18375	0.3	0	17.9839	0.01535	17.97388	220424958	4030310	88
08/25/2017 03:08:26	16.6743	16.68838	16.65055	726.05175	726.09997	726	12.22688	12.39999	12.19999	12.356	12.5	12.1	33.28283	33.36043	33.16647	0.1694	0.3	0	18.06711	0.02157	18.05694	220424958	4030310	88
08/25/2017 03:13:26	16.67594	16.69875	16.65055	726.01501	726.09997	726	12.19328	12.19999	12.09999	12.39792	12.6	12.1	33.30759	33.38814	33.22189	0.21807	0.4	0	18.15031	0.05226	18.14027	220424958	4030310	88
08/25/2017 03:18:26	16.6733	16.69462	16.65055	726.09997	726.09997	726.09997	12.19328	12.19999	12.09999	12.39963	12.6	12.1	33.29837	33.38814	33.22189	0.23995	0.4	0	18.23352	0.03694	18.22361	220424958	4030310	88
08/25/2017 03:23:26	16.67703	16.69462	16.65748	726.07989	726.09997	726	12.18992	12.19999	12.09999	12.09676	12.2	12	33.31929	33.38814	33.2496	0.09316	0.19999	0	18.31672	0.05227	18.30722	220424958	4030310	88
08/25/2017 03:28:26	16.67703	16.69462	16.65748	726.07989	726.09997	726	12.18992	12.19999	12.09999	12.09676	12.2	12	33.31929	33.38814	33.2496	0.09316	0.19999	0	18.39993	0.0153	18.39027	220424958	4030310	88
08/25/2017 03:33:26	16.67698	16.69523	16.64775	726	726	726	12.1301	12.19999	12.09999	11.93292	12	11.8	33.38752	33.52668	33.2773	0.19718	0.29999	0.09999	18.48313	0.0522	18.47388	220424958	4030310	88
08/25/2017 03:38:26	16.67698	16.69523	16.64775	726	726	726	12.1301	12.19999	12.09999	11.93292	12	11.8	33.38752	33.52668	33.2773	0.19718	0.29999	0.09999	18.56633	0.0369	18.55694	220424958	4030310	88
08/25/2017 03:43:26	16.674	16.69523	16.63994	726	726	726	12.09999	12.09999	12.09999	11.81949	12	11.6	33.43246	33.55438	33.30502	0.2805	0.49999	0.09999	18.64954	0	18.64027	220424958	4030310	88
08/25/2017 03:48:26	16.6728	16.69583	16.63994	725.94976	726	725.89996	12.05647	12.09999	11.89999	11.67933	11.8	11.6	33.57946	33.66522	33.44355	0.37713	0.49999	0.19999	18.73274	0.03686	18.72388	220424958	4030310	88
08/25/2017 03:53:26	16.6728	16.69583	16.63994	725.94976	726	725.89996	12.05647	12.09999	11.89999	11.67933	11.8	11.6	33.57946	33.66522	33.44355	0.37713	0.49999	0.19999	18.81594	0.0369	18.80694	220424958	4030310	88
08/25/2017 03:58:26	16.67405	16.7019	16.65028	725.95471	726	725.89996	11.91611	12.09999	11.89999	11.83684	11.9	11.6	33.5694	33.66522	33.44355	0.07927	0.29999	0	18.89916	0	18.89055	220424958	4030310	88
08/25/2017 04:03:26	16.67405	16.7019	16.65028	725.95471	726	725.89996	11.91611	12.09999	11.89999	11.83684	11.9	11.6	33.5694	33.66522	33.44355	0.07927	0.29999	0	18.98236	0.03686	18.97361	220424958	4030310	88
08/25/2017 04:08:26	16.6736	16.69583	16.65266	725.90503	726	725.89996	11.87984	11.89999	11.79999	11.64031	11.8	11.6	33.6298	33.72063	33.52668	0.23952	0.29999	0	19.06557	0.07372	19.05722	220424958	4030310	88
08/25/2017 04:13:26	16.6736	16.69583	16.65266	725.90503	726	725.89996	11.87984	11.89999	11.79999	11.64031	11.8	11.6	33.6298	33.72063	33.52668	0.23952	0.29999	0	19.14877	0	19.14027	220424958	4030310	88
08/25/2017 04:18:26	16.67371	16.69583	16.663	725.89996	725.89996	725.89996	11.85295	11.89999	11.79999	11.68575	11.8	11.6	33.63478	33.72063	33.55438	0.1672	0.2	0	19.23197	0.05854	19.22388	220424958	4030310	88
08/25/2017 04:23:26	16.67485	16.69583	16.65012	725.89996	725.89996	725.89996	11.8168	11.89999	11.79999	11.82469	12	11.6	33.67843	33.80376	33.55438	0.04551	0.2	0	19.31518	0.03692	19.30694	220424958	4030310	88
08/25/2017 04:28:26	16.67408	16.68726	16.65012	725.89996	725.89996	725.89996	11.80674	11.89999	11.79999	11.88607	12	11.8	33.66816	33.77605	33.5821	0.08607	0.2	0	19.39838	0	19.39055	220424958	4030310	88
08/25/2017 04:33:26	16.6744	16.69583	16.663	725.90094	726	725.89996	11.80671	11.89999	11.79999	11.75295	11.8	11.6	33.65821	33.77605	33.5821	0.05377	0.19999	0	19.48158	0.04325	19.47388	220424958	4030310	88
08/25/2017 04:38:26	16.6744	16.69583	16.663	725.90094	726	725.89996	11.80671	11.89999	11.79999	11.75295	11.8	11.6	33.65821	33.77605	33.5821	0.05377	0.19999	0	19.56478	0.04325	19.55694	220424958	4030310	88
08/25/2017 04:43:26	16.67422	16.70618	16.663	725.89996	725.89996	725.89996	11.80604	11.89999	11.79999	11.66015	11.8	11.6	33.70482	33.80376	33.6098	0.14589	0.29999	0	19.64799	0.04326	19.64055	220424958	4030310	88
08/25/2017 04:48:26	16.67422	16.70618	16.663	725.89996	725.89996	725.89996	11.80604	11.89999	11.79999	11.66015	11.8	11.6	33.70482	33.80376	33.6098	0.14589	0.2	0	19.7312	0.04325	19.72388	220424958	4030310	88
08/25/2017 04:53:26	16.67361	16.69583	16.65266	725.901	726	725.89996	11.76634	11.79999	11.59999	11.67899	11.8	11.6	33.64798	33.74834	33.55438	0.10083	0.2	0	19.8144	0.04325	19.80694	220424958	4030310	88
08/25/2017 04:58:26	16.67381	16.68548	16.64231	725.89996	725.89996	725.89996	11.68598	11.79999	11.59999	11.66722	11.8	11.6	33.76632	33.83146	33.69292	0.09948	0.2	0	19.8976	0	19.89055	220424958	4030310	88
08/25/2017 05:03:26	16.67381	16.68548	16.64231	725.89996	725.89996	725.89996	11.68598	11.79999	11.59999	11.66722	11.8	11.6	33.76632	33.83146	33.69292	0.09948	0.2	0	19.9808	0.03057	19.97361	220424958	4030310	88
08/25/2017 05:08:26	16.67466	16.68548	16.65266	725.89996	725.89996	725.89996	11.6824	11.79999	11.49999	11.7075	11.8	11.6	33.76411	33.83146	33.66522	0.1294	0.2	0	20.06401	0.03692	20.05694	220424958	4030310	88
08/25/2017 05:13:26	16.67314	16.69155	16.64231	725.89996	725.89996	725.89996	11.62554	11.79999	11.59999	11.8301	12	11.6	33.78713	33.88688	33.69292	0.21802	0.4	0	20.14721	0.03692	20.14027	220424958	4030310	88
08/25/2017 05:18:26	16.67551	16.69332	16.66048	725.89996	725.89996	725.89996	11.62992	11.79999	11.49999	12.02421	12.1	11.9	33.77647	33.85917	33.72063	0.39429	0.5	0	20.23041	0.07382	20.22388	220424958	4030310	88
08/25/2017 05:23:26	16.67261	16.69762	16.65443	725.90301	726	725.89996	11.68602	11.79999	11.59999	11.89007	12	11.8	33.73897	33.83146	33.66522	0.20404	0.4	0	20.31362	0.05852	20.30722	220424958	4030310	88
08/25/2017 05:28:26	16.67261	16.69762	16.65443	725.90301	726	725.89996	11.68602	11.79999	11.59999	11.89007	12	11.8	33.73897	33.83146	33.66522	0.20404	0.4	0	20.39682	0.0216	20.39027	220424958	4030310	88
08/25/2017 05:33:26	16.67417	16.69155	16.65443	725.89996	725.89996	725.89996	11.66691	11.79999	11.59999	11.82687	11.9	11.8	33.74248	33.80376	33.66522	0.15996	0.3	0	20.48002	0.0522	20.47361	220424958	4030310	88
08/25/2017 05:38:26	16.6738	16.69762	16.65443	725.906	726	725.89996	11.6356	11.79999	11.49999	11.93966	12	11.8	33.76053	33.83146	33.66522	0.30405	0.4	0.1	20.56323	0.05221	20.55722	220424958	4030310	88
08/25/2017 05:43:26	16.67329	16.69155	16.65443	725.901	726	725.89996	11.6367	11.79999	11.49999	11.84368	11.9	11.8	33.73125	33.80376	33.5821	0.20698	0.4	0	20.64643	0	20.64055	220424958	4030310	88
08/25/2017 05:48:26	16.67329	16.69155	16.65443	725.901	726	725.89996	11.6367	11.79999	11.49999	11.84368	11.9	11.8	33.73125	33.80376	33.5821	0.20698	0.4	0	20.72963	0	20.72361	220424958	4030310	88
08/25/2017 05:53:26	16.67483	16.69155	16.65266	725.89996	725.89996	725.89996	11.6235	11.79999	11.49999	11.75634	11.9	11.6	33.77547	33.85917	33.69292	0.14627	0.3	0	20.81284	0.04328	20.80694	220424958	4030310	88
08/25/2017 05:58:26	16.67134	16.6831	16.63994	726	726	726	11.53965	11.59999	11.39999	11.63359	11.8	11.6	33.76995	33.83146	33.69292	0.09393	0.4	0	20.89604	0	20.89055	220424958	4030310	88
08/25/2017 06:03:26	16.67134	16.6831	16.63994	726	726	726	11.53965	11.59999	11.39999	11.63359	11.8	11.6	33.76995	33.83146	33.69292	0.09393	0.4	0	20.97924	0.03686	20.97361	220424958	4030310	88
08/25/2017 06:08:26	16.67124	16.69345	16.65028	726	726	726	11.51695	11.59999	11.39999	11.60335	11.8	11.5	33.7789	33.85917	33.72063	0.0864	0.3	0	21.06245	0	21.05694	220424958	4030310	88
08/25/2017 06:13:26	16.67307	16.702	16.65028	726	726	726	11.47716	11.49999	11.39999	11.54288	11.6	11.4	33.78439	33.85917	33.72063	0.08588	0.2	0	21.14566	0.03691	21.14027	220424958	4030310	88
08/25/2017 06:18:26	16.67393	16.69952	16.65028	726	726	726	11.46323	11.59999	11.39999	11.77092	11.9	11.6	33.7833	33.85917	33.69292	0.30769	0.5	0.1	21.22886	0.02847	21.22361	220424958	4030310	88
08/25/2017 06:23:26	16.67506	16.69952	16.65985	726.01495	726.09997	726	11.44975	11.49999	11.39999	12.0274	12.1	11.9	33.79258	33.85917	33.72063	0.57764	0.7	0.4	21.31207	0	21.30694	220424958	4030310	88
08/25/2017 06:28:26	16.67219	16.69205	16.65488	726.09997	726.09997	726.09997	11.48638	11.59999	11.39999	12.48319	12.5	12.4	33.7657	33.83146	33.69292	0.9968	1.1	0.9	21.39527	0.07396	21.39055	220424958	4030310	88
08/25/2017 06:33:26	16.67219	16.69205	16.65488	726.09997	726.09997	726.09997	11.48638	11.59999	11.39999	12.48319	12.5	12.4	33.7657	33.83146	33.69292	0.9968	1.1	0.9	21.47848	0.03699	21.47361	220424958	4030310	88
08/25/2017 06:38:26	16.67475	16.70416	16.66093	726.10907	726.20001	726.09997	11.55628	11.59999	11.49999	12.54707	12.7	12.5	33.7305	33.80376	33.6098	0.99078	1.2	0.9	21.56168	0	21.55694	220424958	4030310	88
08/25/2017 06:43:26	16.67218	16.69205	16.65488	726.1101	726.20001	726.09997	11.62687	11.79999	11.49999	12.48336	12.5	12.4	33.693	33.80376	33.5821	0.85649	1	0.7	21.64489	0	21.64027	220424958	4030310	88
08/25/2017 06:48:26	16.67821	16.68967	16.65251	726.19665	726.20001	726.09997	11.7059	11.79999	11.59999	12.47715	12.5	12.4	33.67101	33.80376	33.5821	0.77125	0.9	0.6	21.72809	0	21.72361	220424958	4030310	88
08/25/2017 06:53:26	16.6788	16.68967	16.65855	726.20001	726.20001	726.20001	11.80336	11.89999	11.79999	12.49327	12.5	12.4	33.62895	33.69292	33.55438	0.68991	0.7	0.6	21.81129	0.074	21.80722	220424958	4030310	88
08/25/2017 06:58:26	16.67936	16.68967	16.65855	726.20001	726.20001	726.20001	11.84016	11.89999	11.79999	12.50337	12.6	12.5	33.62069	33.66522	33.55438	0.6632	0.7	0.6	21.8945	0	21.89027	220424958	4030310	88
08/25/2017 07:03:26	16.67324	16.69415	16.65272	726.23913	726.29998	726.20001	11.91678	11.99999	11.89999	12.19899	12.4	12.1	33.63857	33.72063	33.52668	0.2822	0.5	0.1	21.9777	0	21.97388	220424958	4030310	88
08/25/2017 07:08:26	16.67324	16.69415	16.65272	726.23913	726.29998	726.20001	11.91678	11.99999	11.89999	12.19899	12.4	12.1	33.63857	33.72063	33.52668	0.2822	0.6	0.2	22.06091	0	22.05694	220424958	4030310	88
08/25/2017 07:13:26	16.67307	16.70197	16.65877	726.29998	726.29998	726.29998	11.96707	12.09999	11.89999	12.39853	12.5	12.1	33.62037	33.69292	33.49897	0.43145	0.6	0.2	22.14411	0	22.14027	220424958	4030310	88
08/25/2017 07:18:26	16.67494	16.69506	16.65251	726.29998	726.29998	726.29998	12.11725	12.19999	11.99999	13.0747	13.3	12.8	33.41604	33.55438	33.2496	0.95745	1.1	0.7	22.22731	0.07418	22.22388	220424958	4030310	88
08/25/2017 07:23:26	16.67494	16.69506	16.65251	726.29998	726.29998	726.29998	12.11725	12.19999	11.99999	13.0747	13.3	12.8	33.41604	33.55438	33.2496	0.95745	1.1	0.7	22.31052	0.01558	22.30694	220424958	4030310	88
08/25/2017 07:28:26	16.67437	16.69411	16.65251	726.302	726.39996	726.29998	12.33403	12.49999	12.19999	13.33361	13.6	13.1	33.36427	33.47126	33.2496	0.99958	1.4	0.8	22.39372	0.05858	22.39027	220424958	4030310	88
08/25/2017 07:33:26	16.67434	16.69608	16.6545	726.39996	726.39996	726.39996	12.92789	13.09999	12.69999	13.2004	13.4	13	33.35885	33.47126	33.2496	0.30576	0.6	0	22.47692	0.03705	22.47388	220424958	4030310	88
08/25/2017 07:38:26	16.67434	16.69608	16.6545	726.39996	726.39996	726.39996	12.92789	13.09999	12.69999	13.2004	13.4	13	33.35885	33.47126	33.2496	0.30576	0.6	0	22.56013	0.02153	22.55694	220424958	4030310	88
08/25/2017 07:43:25	16.67523	16.70044	16.65284	726.39996	726.39996	726.39996	13.19711	13.29999	13.09999	13.03343	13.2	12.8	33.41471	33.52668	33.30502	0.16368	0.39999	0	22.64333	0.01552	22.64027	220424958	4030310	88
08/25/2017 07:48:26	16.67578	16.69173	16.65013	726.40503	726.5	726.39996	13.43048	13.59999	13.29999	13.11765	13.3	13	33.40963	33.49897	33.2773	0.31282	0.59999	0.09999	22.72654	0.03704	22.72361	220424958	4030310	88
08/25/2017 07:53:26	16.67591	16.69806	16.64879	726.48754	726.5	726.39996	13.70716	13.79999	13.59999	13.06307	13.2	12.8	33.38451	33.47126	33.2773	0.64409	0.99999	0.39999	22.80974	0.05857	22.80694	220424958	4030310	88
08/25/2017 07:58:26	16.67725	16.69538	16.65815	726.5	726.5	726.5	14.24673	14.39999	14.19999	13.34016	13.4	13.3	33.33229	33.44355	33.22189	0.90657	1.09999	0.79999	22.89294	0.01557	22.89055	220424958	4030310	88
08/25/2017 08:03:26	16.67725	16.69538	16.65815	726.5	726.5	726.5	14.24673	14.39999	14.19999	13.34016	13.4	13.3	33.33229	33.44355	33.22189	0.90657	1.09999	0.69999	22.97614	0	22.97361	220424958	4030310	88
08/25/2017 08:08:26	16.67573	16.69267	16.65378	726.5	726.5	726.5	14.41726	14.49999	14.29999	13.42003	13.7	13.3	33.32016	33.44355	33.22189	0.99723	1.09999	0.69999	23.05935	0.02145	23.05694	220424958	4030310	88
08/25/2017 08:13:26	16.67401	16.68664	16.66418	726.5	726.5	726.5	14.73418	14.8	14.49999	13.6804	13.8	13.4	33.24444	33.36043	33.11105	1.05378	1.39999	0.79999	23.14255	0.04288	23.14027	220424958	4030310	88
08/25/2017 08:18:26	16.67639	16.70798	16.65627	726.50488	726.59997	726.5	15.23398	15.39999	15.09999	14.16143	14.3	13.9	33.2869	33.38814	33.11105	1.07255	1.39999	0.89999	23.22576	0.01419	23.22388	220424958	4030310	88
08/25/2017 08:23:26	16.67639	16.70798	16.65627	726.50488	726.59997	726.5	15.23398	15.39999	15.09999	14.16143	14.3	13.9	33.2869	33.38814	33.11105	1.07255	1.39999	0.89999	23.30897	0	23.30694	220424958	4030310	88
08/25/2017 08:28:26	16.67438	16.68631	16.65055	726.59997	726.59997	726.59997	15.78664	16.09999	15.69999	14.5532	14.8	14.4	33.16964	33.30502	33.02793	1.23344	1.39999	0.99999	23.39217	0.03725	23.39055	220424958	4030310	88
08/25/2017 08:33:26	16.67438	16.68631	16.65055	726.59997	726.59997	726.59997	15.78664	16.09999	15.69999	14.5532	14.8	14.4	33.16964	33.30502	33.02793	1.23344	1.19999	0.59999	23.47537	0.02136	23.47388	220424958	4030310	88
08/25/2017 08:38:26	16.67638	16.69852	16.65209	726.599	726.59997	726.5	16.13749	16.19999	15.99999	15.25677	15.6	14.8	33.06608	33.22189	32.97251	0.88071	1.19999	0.59999	23.55857	0	23.55694	220424958	4030310	88
08/25/2017 08:43:26	16.67426	16.68805	16.65961	726.59997	726.59997	726.59997	16.40692	16.69999	16.19999	15.20375	15.4	15	33.03124	33.16647	32.94481	1.20316	1.29999	0.89999	23.64178	0.05342	23.64027	220424958	4030310	88
08/25/2017 08:48:26	16.67561	16.69554	16.65513	726.59997	726.59997	726.59997	16.80027	16.99999	16.59999	15.57042	15.8	15.2	33.04495	33.16647	32.97251	1.22985	1.39999	0.99999	23.72498	0	23.72361	220424958	4030310	88
08/25/2017 08:53:26	16.67421	16.69104	16.65958	726.59997	726.59997	726.59997	17.43682	17.59999	17.3	15.84201	16.1	15.5	33.01096	33.16647	32.88939	1.59481	1.89999	1.39999	23.80818	0	23.80722	220424958	4030310	88
08/25/2017 08:58:26	16.67421	16.69104	16.65958	726.59997	726.59997	726.59997	17.43682	17.59999	17.3	15.84201	16.1	15.5	33.01096	33.16647	32.88939	1.59481	1.89999	1.39999	23.89139	0	23.89027	220424958	4030310	88
08/25/2017 09:03:26	16.67391	16.688	16.65958	726.59997	726.59997	726.59997	17.81997	17.89999	17.59999	16.03678	16.2	15.8	32.91054	33.02793	32.80627	1.78319	1.99999	1.39999	23.97459	0.05874	23.97361	220424958	4030310	88
08/25/2017 09:08:26	16.67683	16.6923	16.66389	726.61004	726.70001	726.59997	18.11339	18.49999	17.89999	16.37812	16.7	16.1	32.86768	33.02793	32.77856	1.73526	1.99999	1.39999	24.0017	0	24	220424958	4030310	88
08/25/2017 09:13:26	0	0	0	726.677	726.70001	726.59997	20.80251	20.99999	20.39999	16.77004	17	16.6	12.46701	12.52401	12.38547	4.03247	4.29999	3.69999	24.0017	0	24	220424958	4030310	88
08/25/2017 09:18:26	0	0	0	726.59997	726.59997	726.59997	21.3145	21.8	20.89999	17.13572	17.4	16.8	12.4505	12.52401	12.38547	4.17877	4.49999	3.79999	24.0017	0	24	220424958	4030310	88

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Alarm Log Data	
	VRL2-PM10	

Time	Status	Ch.No.	Message
08/21/2017 12:28:05	Recovery	3-0	Mains Power Lost
08/21/2017 12:28:08	Occurrence	2-2	Power Failure
08/21/2017 12:28:13	Recovery	2-2	Power Failure
08/21/2017 16:34:17	Recovery	3-0	Mains Power Lost
08/21/2017 16:34:19	Occurrence	2-2	Power Failure
08/21/2017 16:34:24	Recovery	2-2	Power Failure
08/21/2017 16:34:37	Occurrence	1-1	Leak Check Started
08/21/2017 16:36:01	Recovery	1-1	Leak Check Started
08/21/2017 16:36:01	Occurrence	1-2	Leak check passed
08/21/2017 16:39:05	Occurrence	1-1	Leak Check Started
08/21/2017 16:39:05	Recovery	1-2	Leak check passed
08/21/2017 16:40:25	Recovery	1-1	Leak Check Started
08/21/2017 16:46:29	Occurrence	2-15	Ambient Temperature Updated
08/21/2017 16:46:29	Recovery	2-15	Ambient Temperature Updated
08/21/2017 16:46:42	Occurrence	2-15	Ambient Temperature Updated
08/21/2017 16:46:42	Recovery	2-15	Ambient Temperature Updated
08/21/2017 16:46:55	Occurrence	2-14	Filter Temperature Updated
08/21/2017 16:46:56	Recovery	2-14	Filter Temperature Updated
08/21/2017 16:47:12	Occurrence	2-13	Barometric Pressure Updated
08/21/2017 16:47:13	Recovery	2-13	Barometric Pressure Updated
08/21/2017 16:47:27	Occurrence	1-5	Flow Calibration started
08/21/2017 16:49:25	Occurrence	1-7	Flow Calibration completed - passed
08/21/2017 16:49:25	Recovery	1-5	Flow Calibration started
08/21/2017 16:49:50	Recovery	1-7	Flow Calibration completed - passed
08/21/2017 18:50:10	Occurrence	1-10	Sample has been engaged
08/21/2017 18:50:10	Occurrence	1-15	Custom sample selected
08/21/2017 18:55:00	Recovery	1-10	Sample has been engaged
08/21/2017 18:55:00	Occurrence	1-11	Sample has been started
08/22/2017 18:55:01	Recovery	1-11	Sample has been started
08/22/2017 18:55:01	Recovery	1-15	Custom sample selected
08/22/2017 19:49:17	Occurrence	1-10	Sample has been engaged
08/22/2017 19:49:17	Occurrence	1-15	Custom sample selected
08/22/2017 19:50:00	Recovery	1-10	Sample has been engaged
08/22/2017 19:50:00	Occurrence	1-11	Sample has been started
08/23/2017 19:49:59	Recovery	1-11	Sample has been started
08/23/2017 19:49:59	Recovery	1-15	Custom sample selected
08/24/2017 08:32:10	Recovery	3-0	Mains Power Lost
08/24/2017 08:32:12	Occurrence	2-2	Power Failure
08/24/2017 08:32:17	Recovery	2-2	Power Failure
08/24/2017 08:43:13	Occurrence	1-10	Sample has been engaged
08/24/2017 08:43:13	Occurrence	1-15	Custom sample selected
08/24/2017 08:45:00	Recovery	1-10	Sample has been engaged
08/24/2017 08:45:00	Occurrence	1-11	Sample has been started

08/25/2017 08:44:59	Recovery	1-11	Sample has been started
08/25/2017 08:44:59	Recovery	1-15	Custom sample selected

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Alarm Log Data	
	VRL5-PM10	

Time	Status	Ch.No.	Message
08/21/2017 12:26:02	Recovery	3-0	Mains Power Lost
08/21/2017 12:26:05	Occurrence	2-2	Power Failure
08/21/2017 12:26:09	Recovery	2-2	Power Failure
08/21/2017 16:32:20	Recovery	3-0	Mains Power Lost
08/21/2017 16:32:23	Occurrence	2-2	Power Failure
08/21/2017 16:32:28	Recovery	2-2	Power Failure
08/21/2017 16:32:49	Occurrence	1-1	Leak Check Started
08/21/2017 16:34:14	Recovery	1-1	Leak Check Started
08/21/2017 16:34:14	Occurrence	1-2	Leak check passed
08/21/2017 16:35:04	Occurrence	1-1	Leak Check Started
08/21/2017 16:35:04	Recovery	1-2	Leak check passed
08/21/2017 16:36:29	Recovery	1-1	Leak Check Started
08/21/2017 16:36:29	Occurrence	1-2	Leak check passed
08/21/2017 16:53:33	Occurrence	2-15	Ambient Temperature Updated
08/21/2017 16:53:33	Recovery	2-15	Ambient Temperature Updated
08/21/2017 16:53:45	Occurrence	2-14	Filter Temperature Updated
08/21/2017 16:53:45	Recovery	2-14	Filter Temperature Updated
08/21/2017 16:53:56	Occurrence	2-13	Barometric Pressure Updated
08/21/2017 16:53:56	Recovery	2-13	Barometric Pressure Updated
08/21/2017 16:54:03	Occurrence	1-5	Flow Calibration started
08/21/2017 16:55:49	Occurrence	1-7	Flow Calibration completed - passed
08/21/2017 16:55:49	Recovery	1-5	Flow Calibration started
08/21/2017 16:56:09	Recovery	1-7	Flow Calibration completed - passed
08/21/2017 18:51:44	Occurrence	1-10	Sample has been engaged
08/21/2017 18:51:44	Occurrence	1-15	Custom sample selected
08/21/2017 18:53:17	Recovery	1-10	Sample has been engaged
08/21/2017 18:53:17	Recovery	1-15	Custom sample selected
08/21/2017 18:53:25	Occurrence	1-15	Custom sample selected
08/21/2017 18:53:26	Occurrence	1-10	Sample has been engaged
08/21/2017 18:55:00	Recovery	1-10	Sample has been engaged
08/21/2017 18:55:00	Occurrence	1-11	Sample has been started
08/22/2017 18:55:00	Recovery	1-11	Sample has been started
08/22/2017 18:55:00	Recovery	1-15	Custom sample selected
08/23/2017 19:04:33	Occurrence	3-0	Mains Power Lost
08/23/2017 19:06:06	Recovery	3-0	Mains Power Lost
08/23/2017 19:56:34	Occurrence	3-0	Mains Power Lost
08/23/2017 20:31:36	Occurrence	3-7	Battery discharged
08/23/2017 21:39:10	Occurrence	3-8	Battery Failure - Replace Batteries
08/24/2017 08:31:19	Recovery	1-2	Leak check passed
08/24/2017 08:31:19	Recovery	3-0	Mains Power Lost
08/24/2017 08:31:19	Recovery	3-7	Battery discharged
08/24/2017 08:31:19	Recovery	3-8	Battery Failure - Replace Batteries
08/24/2017 08:31:21	Occurrence	2-2	Power Failure

08/24/2017 08:31:22	Occurrence	3-0	Mains Power Lost
08/24/2017 08:31:22	Recovery	3-0	Mains Power Lost
08/24/2017 08:31:22	Occurrence	3-0	Mains Power Lost
08/24/2017 08:31:26	Recovery	3-0	Mains Power Lost
08/24/2017 08:31:26	Recovery	2-2	Power Failure
08/24/2017 08:44:22	Occurrence	1-10	Sample has been engaged
08/24/2017 08:44:22	Occurrence	1-15	Custom sample selected
08/24/2017 08:45:00	Recovery	1-10	Sample has been engaged
08/24/2017 08:45:00	Occurrence	1-11	Sample has been started
08/25/2017 08:45:00	Recovery	1-15	Custom sample selected
08/25/2017 08:45:00	Recovery	1-11	Sample has been started

Project Name	TE-Wilbur screen program V3.5	4.91	
File Type	Alarm Log Data		
	VRL1-PM10		
Time	Status	Ch.No.	Message
08/21/2017 17:56:28	Recovery	3-0	Mains Power Lost
08/21/2017 17:56:29	Occurrence	2-2	Power Failure
08/21/2017 17:56:35	Recovery	2-2	Power Failure
08/21/2017 17:58:11	Occurrence	1-1	Leak Check Started
08/21/2017 17:59:33	Recovery	1-1	Leak Check Started
08/21/2017 17:59:33	Occurrence	1-2	Leak check passed
08/21/2017 17:59:53	Occurrence	1-1	Leak Check Started
08/21/2017 17:59:53	Recovery	1-2	Leak check passed
08/21/2017 18:01:15	Recovery	1-1	Leak Check Started
08/21/2017 18:01:15	Occurrence	1-2	Leak check passed
08/21/2017 18:19:38	Occurrence	2-15	Ambient Temperature Updated
08/21/2017 18:19:39	Recovery	2-15	Ambient Temperature Updated
08/21/2017 18:19:51	Occurrence	2-14	Filter Temperature Updated
08/21/2017 18:19:51	Recovery	2-14	Filter Temperature Updated
08/21/2017 18:20:01	Occurrence	2-13	Barometric Pressure Updated
08/21/2017 18:20:01	Recovery	2-13	Barometric Pressure Updated
08/21/2017 18:20:09	Occurrence	1-5	Flow Calibration started
08/21/2017 18:21:48	Occurrence	1-7	Flow Calibration completed - passed
08/21/2017 18:21:48	Recovery	1-5	Flow Calibration started
08/21/2017 18:22:04	Recovery	1-7	Flow Calibration completed - passed
08/21/2017 18:30:40	Occurrence	1-10	Sample has been engaged
08/21/2017 18:30:40	Occurrence	1-15	Custom sample selected
08/21/2017 18:35:00	Recovery	1-10	Sample has been engaged
08/21/2017 18:35:00	Occurrence	1-11	Sample has been started
08/22/2017 18:35:00	Recovery	1-11	Sample has been started
08/22/2017 18:35:00	Recovery	1-15	Custom sample selected
08/22/2017 19:32:25	Occurrence	1-10	Sample has been engaged
08/22/2017 19:32:25	Occurrence	1-15	Custom sample selected
08/22/2017 19:35:00	Recovery	1-10	Sample has been engaged
08/22/2017 19:35:00	Occurrence	1-11	Sample has been started
08/23/2017 19:34:59	Recovery	1-11	Sample has been started
08/23/2017 19:34:59	Recovery	1-15	Custom sample selected
08/24/2017 08:14:11	Recovery	1-2	Leak check passed
08/24/2017 08:14:11	Recovery	3-0	Mains Power Lost
08/24/2017 08:14:13	Occurrence	2-2	Power Failure
08/24/2017 08:14:19	Recovery	2-2	Power Failure
08/24/2017 08:16:10	Occurrence	1-10	Sample has been engaged
08/24/2017 08:16:10	Occurrence	1-15	Custom sample selected
08/24/2017 08:17:00	Recovery	1-10	Sample has been engaged
08/24/2017 08:17:00	Occurrence	1-11	Sample has been started

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Alarm Log Data	
	VRL3-PM10	

Time	Status	Ch.No.	Message
08/21/2017 18:10:46	Recovery	3-0	Mains Power Lost
08/21/2017 18:10:51	Occurrence	2-2	Power Failure
08/21/2017 18:10:53	Recovery	2-2	Power Failure
08/21/2017 18:26:36	Occurrence	1-1	Leak Check Started
08/21/2017 18:28:00	Recovery	1-1	Leak Check Started
08/21/2017 18:28:00	Occurrence	1-2	Leak check passed
08/21/2017 18:28:30	Occurrence	1-1	Leak Check Started
08/21/2017 18:28:30	Recovery	1-2	Leak check passed
08/21/2017 18:29:54	Recovery	1-1	Leak Check Started
08/21/2017 18:29:54	Occurrence	1-2	Leak check passed
08/21/2017 18:31:49	Occurrence	2-15	Ambient Temperature Updated
08/21/2017 18:31:49	Recovery	2-15	Ambient Temperature Updated
08/21/2017 18:31:59	Occurrence	2-14	Filter Temperature Updated
08/21/2017 18:31:59	Recovery	2-14	Filter Temperature Updated
08/21/2017 18:32:24	Occurrence	2-13	Barometric Pressure Updated
08/21/2017 18:32:24	Recovery	2-13	Barometric Pressure Updated
08/21/2017 18:32:33	Occurrence	1-5	Flow Calibration started
08/21/2017 18:32:56	Occurrence	1-6	Flow Calibration quit by operator
08/21/2017 18:32:56	Recovery	1-5	Flow Calibration started
08/21/2017 18:32:56	Recovery	1-6	Flow Calibration quit by operator
08/21/2017 18:33:17	Occurrence	1-5	Flow Calibration started
08/21/2017 18:35:45	Occurrence	1-7	Flow Calibration completed - passed
08/21/2017 18:35:45	Recovery	1-5	Flow Calibration started
08/21/2017 18:36:03	Recovery	1-7	Flow Calibration completed - passed
08/21/2017 19:03:55	Occurrence	1-10	Sample has been engaged
08/21/2017 19:03:55	Occurrence	1-15	Custom sample selected
08/21/2017 19:05:00	Recovery	1-10	Sample has been engaged
08/21/2017 19:05:00	Occurrence	1-11	Sample has been started
08/22/2017 19:04:59	Recovery	1-11	Sample has been started
08/22/2017 19:04:59	Recovery	1-15	Custom sample selected
08/22/2017 19:54:38	Occurrence	1-15	Custom sample selected
08/22/2017 19:54:38	Occurrence	1-10	Sample has been engaged
08/22/2017 19:55:00	Recovery	1-10	Sample has been engaged
08/22/2017 19:55:00	Occurrence	1-11	Sample has been started
08/23/2017 19:55:00	Recovery	1-15	Custom sample selected
08/23/2017 19:55:01	Recovery	1-11	Sample has been started
08/24/2017 08:58:29	Recovery	1-2	Leak check passed
08/24/2017 08:58:29	Recovery	3-0	Mains Power Lost
08/24/2017 08:58:34	Occurrence	2-2	Power Failure
08/24/2017 08:58:36	Recovery	2-2	Power Failure
08/24/2017 09:04:21	Occurrence	1-10	Sample has been engaged
08/24/2017 09:04:21	Occurrence	1-15	Custom sample selected
08/24/2017 09:05:00	Recovery	1-10	Sample has been engaged

08/24/2017 09:05:00	Occurrence	1-11	Sample has been started
08/25/2017 09:05:00	Recovery	1-11	Sample has been started
08/25/2017 09:05:00	Recovery	1-15	Custom sample selected
08/28/2017 13:10:32	Recovery	3-0	Mains Power Lost

APPENDIX E

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	2	
Source	D 12500	
Sampling Method	Event Bit	
Device	M 687	
	VRL2-PM2.5	

Sample Summary	Filter ID	Site ID	S/N	Min Tamb	Max Tamb	Avg Tamb	Start Tamb	End Tamb	Min Pamb	Max Pamb	Avg Pamb	Start Pamb	End Pamb	Total Sample Time	Volume	Max CV	Max Tdiff	Avg Flow Rate LPM	Min Tf	Max Tf	Avg Tf	Start Date	Start Time	Sample Warning
08/22/2017 18:55:10	220424914	4020125	74	12.6	32.1	22.35	21.5	27.1	733.29998	736.10003	734.70001	733.40002	734.5	24.00055	24.0014	0.21855	3	16.66725	11.3	32.7	22	8212017	1855	0
08/23/2017 19:50:10	220424898	4020225	74	12	30.1	21.05	22.7	18.9	732.20001	734.40002	733.30004	734.29998	732.20001	24.00083	24.00121	0.18813	3.09999	16.66692	11.3	31.2	21.25	8222017	1950	0
08/25/2017 08:45:11	220424952	4020325	74	9.9	27.1	18.5	13.8	16.2	730.29998	733	731.65002	731	731.5	24.00027	24	0.18811	3.3	16.66647	9.1	27.4	18.25	8242017	845	0

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	2	
Source	D 12500	
Sampling Method	Event Bit	
Device	M 687	
	VRL5-PM2.5	

Sample Summary	Filter ID	Site ID	S/N	Min Tamb	Max Tamb	Avg Tamb	Start Tamb	End Tamb	Min Pamb	Max Pamb	Avg Pamb	Start Pamb	End Pamb	Total Sample Time	Volume	Max CV	Max Tdiff	Avg Flow Rate LPM	Min Tf	Max Tf	Avg Tf	Start Date	Start Time	Sample Warning
08/22/2017 18:55:10	220424912	4050125	83	12.9	31.6	22.25	21.6	26.8	733.29998	736	734.65002	733.70001	734.20001	24	24.00145	0.20923	2.8	16.66767	11.3	32.4	21.85	8212017	1855	0
08/25/2017 08:47:10	220424954	4050325	83	11.5	27.9	19.7	15.2	17.1	730.40002	733	731.70001	731.90002	731.5	24.00027	23.99961	0.16156	3.9	16.6662	9.4	27.3	18.35	8242017	847	0

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	2	
Source	D 12500	
Sampling Method	Event Bit	
Device	M 687	
	VRL3-PM2.5	

Sample Summary	Filter ID	Site ID	S/N	Min Tamb	Max Tamb	Avg Tamb	Start Tamb	End Tamb	Min Pamb	Max Pamb	Avg Pamb	Start Pamb	End Pamb	Total Sample Time	Volume	Max CV	Max Tdiff	Avg Flow Rate LPM	Min Tf	Max Tf	Avg Tf	Start Date	Start Time	Sample Warning
08/22/2017 19:05:10	220424905	4030125	86	14.3	33.4	23.85	22.6	27.5	729.89996	732.5	731.19995	730.19995	730.89996	24.00055	24.00153	0.51959	3.2	16.66734	12.89999	32.89999	22.89999	8212017	1905	0
08/23/2017 19:55:10	220424896	4030225	86	14.3	32.4	23.35	24.5	21.1	728.79998	730.89996	729.84997	730.89996	729	24.00055	24.00455	0.70416	5	16.66944	13.09999	31.89999	22.49999	8222017	1955	0
08/25/2017 09:05:10	220424957	4030325	86	13	30.5	21.75	16.8	18.6	727	729.5	728.25	728	728.19995	23.99972	24.00103	0.67248	4.19999	16.66757	11.29999	29.49999	20.39999	8242017	905	0

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	

Channel No.	2
Source	D 12500
Sampling Method	Event Bit
Device	M 687

Sample Summary	Filter ID	Site ID	S/N	Min Tamb	Max Tamb	Avg Tamb	Start Tamb	End Tamb	Min Pamb	Max Pamb	Avg Pamb	Start Pamb	End Pamb	Total Sample Time	Volume	Max CV	Max Tdiff	Avg Flow Rate LPM	Min Tf	Max Tf	Avg Tf	Start Date	Start Time	Sample Warning
08/22/2017 18:35:10	220424903	4010125	105	15.2	35.6	25.4	24.4	29.5	730.09997	733	731.54998	730.19995	731.09997	23.99944	24.00131	0.18582	5.8	16.66796	15.7	39.3	27.5	8212017	1835	0
08/23/2017 19:35:10	220424900	4010225	105	14.4	34.3	24.35	25.6	22.4	728.89996	731.29998	730.09997	731	729	23.99944	24.00005	0.16426	8.3	16.66708	18.6	40.9	29.75	8222017	1935	1
08/25/2017 08:17:11	220424960	4010325	105	12.8	31.1	21.95	16.3	17	727.19995	729.89996	728.54992	728.89996	728.29998	23.99972	23.99978	0.18668	6.89999	16.66671	12.5	35.5	24	8242017	817	0

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	1	
Source	D 12000	
Sampling Method	Event Bit	
Device	M 972	
	VRL2-PM2.5	

Date and Time	Qvol Avg	Qvol max	Qvol min	Pa Avg	Pa Max	Pa Min	Tfilter Avg	Tfilter Max	Tfilter Min	Tamb Avg	Tamb Max	Tamb Min	Press Avg	Press Max	Press Min	Tvar Avg	Tvar Max	Tvar Min	Flow Total	Flow CV	Sample Time	Filter ID	Site ID	Unit S/N
08/21/2017 16:36:02	0	0	0	745.09851	749.5	729.79998	19.12262	22.6	18.9	21.30719	25.19999	21	34.69096	144.94055	0	2.18456	2.59999	1.99999	23.02023	0	23.00055	2932897	3940	74
08/21/2017 16:41:02	0	0	0	731.36254	731.89996	730.89996	28.16619	28.5	23	45.13979	45.7	42.2	139.16928	184.67382	0	16.9736	19.2	16.5	23.02023	0	23.00055	2932897	3940	74
08/21/2017 16:46:01	0	0	0	731.51379	733	731.39996	28.09187	28.4	26.3	42.32282	45.8	26.4	102.03843	205.06689	0	14.59638	17.7	0.09999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 16:51:01	6.6015	18.34459	0	733.0357	733.10003	733	26.27479	26.5	25.9	26.19658	26.5	25.9	7.23978	21.11349	0	0.21389	0.4	0	23.02133	0	23.00055	2932897	3940	74
08/21/2017 16:56:02	0	0	0	733.26544	733.40002	733.20001	26.04762	26.2	25.9	25.86236	26.4	25.4	0	0	0	0.27116	0.7	0.09999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:01:01	0	0	0	733.26544	733.40002	733.20001	26.04762	26.2	25.9	25.86236	26.4	25.4	0	0	0	0.27116	0.7	0.09999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:06:01	0	0	0	733.35437	733.40002	733.29998	25.98055	26.2	25.8	25.8302	26.3	25.5	0	0	0	0.20537	0.6	0	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:11:02	0	0	0	733.40002	733.40002	733.40002	25.7302	25.9	25.6	25.68987	26	25.5	0	0	0	0.11395	0.3	0	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:16:02	0	0	0	733.41412	733.5	733.40002	25.72951	25.8	25.7	25.62357	26.1	25.3	0	0	0	0.20255	0.4	0	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:21:01	0	0	0	733.41412	733.5	733.40002	25.72951	25.8	25.7	25.62357	26.1	25.3	0	0	0	0.20255	0.4	0	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:26:01	0	0	0	733.52917	733.60003	733.5	25.73897	25.9	25.6	25.35233	25.7	25.2	0	0	0	0.38664	0.6	0	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:31:01	0	0	0	733.60003	733.60003	733.60003	25.76035	25.9	25.7	25.56265	25.8	25.2	0	0	0	0.2044	0.59999	0	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:36:01	0	0	0	733.61212	733.70001	733.60003	25.76647	25.9	25.7	25.26706	25.4	25.2	0	0	0	0.4994	0.69999	0.3	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:41:01	0	0	0	733.60705	733.70001	733.60003	25.73352	25.9	25.7	25.19603	25.7	24.8	0	0	0	0.53749	1	0.3	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:46:01	0	0	0	733.62017	733.70001	733.60003	25.72345	25.8	25.6	25.11205	25.3	24.8	0	0	0	0.6114	1	0.3	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:51:01	0	0	0	733.6322	733.70001	733.60003	25.68662	25.8	25.6	25.05791	25.5	24.6	0	0	0	0.6287	1	0.19999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 17:56:01	0	0	0	733.6604	733.70001	733.60003	25.48803	25.7	25.3	23.72574	24.1	23.3	0	0	0	1.76228	2.2	1.39999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 18:01:01	0	0	0	733.6604	733.70001	733.60003	25.48803	25.7	25.3	23.72574	24.1	23.3	0	0	0	1.76228	2.2	1.39999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 18:06:01	0	0	0	733.60339	733.70001	733.60003	25.27313	25.5	25.1	23.31134	23.5	23.1	0	0	0	1.96179	2.39999	1.69999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 18:11:01	0	0	0	733.43463	733.5	733.40002	24.83913	25	24.6	22.74299	22.9	22.7	0	0	0	2.09614	2.3	1.9	23.02133	0	23.00055	2932897	3940	74
08/21/2017 18:16:01	0	0	0	733.40002	733.40002	733.40002	24.50946	24.7	24.3	22.63774	22.8	22.3	0	0	0	1.87171	2.1	1.59999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 18:21:01	0	0	0	733.40002	733.40002	733.40002	24.31627	24.5	24.1	22.47722	22.7	22.4	0	0	0	1.83905	2.09999	1.69999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 18:26:01	0	0	0	733.46844	733.5	733.40002	24.03165	24.3	23.9	22.25247	22.4	22.1	0	0	0	1.77918	2	1.59999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 18:31:01	0	0	0	733.41748	733.5	733.40002	23.76917	24	23.5	22.00284	22.2	21.7	0	0	0	1.76632	2.1	1.39999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 18:36:01	0	0	0	733.41748	733.5	733.40002	23.76917	24	23.5	22.00284	22.2	21.7	0	0	0	1.76632	2	1.39999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 18:41:01	0	0	0	733.34771	733.40002	733.29998	23.47327	23.7	23.3	21.81679	22.1	21.7	0	0	0	1.65647	2	1.39999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 18:46:01	0	0	0	733.29998	733.29998	733.29998	23.18663	23.3	22.9	21.67985	21.8	21.5	0	0	0	1.50677	1.6	1.19999	23.02133	0	23.00055	2932897	3940	74
08/21/2017 18:53:11	0	0	0	733.38659	733.40002	733.29998	22.89547	23.2	22.7	21.59261	21.7	21.5	0	0	0	1.30286	1.59999	1.09999	23.02133	0	23.00055	220424914	4020125	74
08/21/2017 18:58:11	0	0	0	733.33093	733.40002	733.29998	22.59136	22.8	22.3	21.62352	21.7	21.5	0	0	0	0.96783	1.19999	0.59999	0.05215	0.00451	0.05305	220424914	4020125	74
08/21/2017 19:03:11	9.87532	16.80212	0	733.39178	733.5	733.29998	22.06124	22.3	21.7	21.53659	21.7	21.3	11.13111	19.09081	0	0.52464	0.8	0.2	0.13554	0.04046	0.13638	220424914	4020125	74
08/21/2017 19:08:11	16.67858	16.69851	16.65563	733.50604	733.60003	733.40002	21.60266	21.7	21.4	21.27867	21.5	21.1	18.90034	19.03539	18.81373	0.32399	0.59999	0.1	0.21891	0	0.21972	220424914	4020125	74
08/21/2017 19:13:11	16.6733	16.6884	16.65939	733.49408	733.60003	733.40002	21.40878	21.6	21.3	21.0262	21.1	20.9	19.05619	19.14622	18.92456	0.38257	0.6	0.29999	0.30229	0.04043	0.30305	220424914	4020125	74
08/21/2017 19:18:11	16.67549	16.7073	16.65431	733.40002	733.40002	733.40002	21.23298	21.4	21	20.92819	21.1	20.7	19.17512	19.28476	19.09081	0.30479	0.59999	0	0.38567	0	0.38638	220424914	4020125	74
08/21/2017 19:23:11	16.67502	16.6933	16.65553	733.32147	733.40002	733.29998	20.80282	20.9	20.7	20.58722	20.7	20.4	19.33012	19.42331	19.17393	0.2156	0.49999	0.09999	0.46905	0.01781	0.47	220424914	4020125	74
08/21/2017 19:28:11	16.67502	16.6933	16.65553	733.32147	733.40002	733.29998	20.80282	20.9	20.7	20.58722	20.7	20.4	19.33012	19.42331	19.17393	0.2156	0.49999	0.09999	0.55242	0.05811	0.55305	220424914	4020125	74
08/21/2017 19:33:11	16.67446	16.69963	16.65925	733.47406	733.60003	733.29998	20.61597	20.8	20.4	20.54382	20.7	20.4	19.26794	19.3956	19.17393	0.11246	0.3	0	0.63579	0.04036	0.63638	220424914	4020125	74
08/21/2017 19:38:11	16.67504	16.69575	16.64778	733.52349	733.60003	733.5	20.42974	20.7	20.2	20.45367	20.6	20.1	19.274	19.36789	19.17393	0.10983	0.4	0	0.71917	0.05817	0.71972	220424914	4020125	74
08/21/2017 19:43:11	16.67508	16.69575	16.65046	733.47583	733.5	733.40002	20.3262	20.5	20.2	20.50008	20.6	20.4	19.33703	19.42331	19.25706	0.17387	0.4	0	0.80254	0.04027	0.80305	220424914	4020125	74
08/21/2017 19:48:11	16.67574	16.70304	16.65644	733.32251	733.40002	733.29998	20.02907	20.2	19.8	19.98644	20.1	19.8	19.49927	19.56184	19.42331	0.10929	0.3	0	0.88592	0.12583	0.88666	220424914	4020125	74
08/21/2017 19:53:11	16.67574	16.70304	16.65644	733.32251	733.40002	733.29998	20.02907	20.2	19.8	19.98644	20.1	19.8	19.49927	19.56184	19.42331	0.10929	0.3	0	0.96929	0.03167	0.96972	220424914	4020125	74
08/21/2017 19:58:11	16.67457	16.69909	16.65746	733.41504	733.5	733.29998	19.68936	19.8	19.6	19.55375	19.8	19.4	19.47755	19.56184	19.3956	0.14231	0.3	0	1.05267	0.02266	1.05333	220424914	4020125	74
08/21/2017 20:03:11	16.67457	16.69909	16.65746	733.41504	733.5	733.29998	19.68936	19.8	19.6	19.55375	19.8	19.4	19.47755	19.56184	19.3956	0.14231	0.3	0	1.13604	0	1.13638	220424914	4020125	74
08/21/2017 20:08:11	16.67534	16.69242	16.65111	733.34265	733.40002	733.29998	19.35837	19.6	19.2	19.27923	19.4	19.2	19.54808	19.61726	19.45101	0.11943	0.4	0	1.21941	0.09798	1.22	220424914	4020125	74
08/21/2017 20:13:11	16.67473	16.69733	16.65569	733.32208	733.40002	733.29998	19.17662	19.3	19	19.12653	19.2	18.8	19.59552	19.67268	19.45101	0.07696	0.3	0	1.30279	0.06664	1.30333	220424914	4020125	74
08/21/2017 20:18:11	16.67473	16.69733	16.65569	733.32208	733.40002	733.29998	19.17662	19.3	19	19.12653	19.2	18.8	19.59552	19.67268	19.45101	0.07696	0.4	0	1.38616	0.01741	1.38638	220424914	4020125	74
08/21/2017 20:23:11	16.67459	16.69184	16.6517	733.39294	733.40002	733.29998	18.98965	19.2	18.7	18.80284	19.1	18.6	19.60764	19.72809	19.50643	0.18681	0.4	0	1.46953	0.08375	1.46972	220424914	4020125	74
08/21/2017 20:28:11	16.674	16.70797	16.64873	733.40594	733.5	733.29998	18.71695	19	18.6	18.50269	18.7	18.2	19.60458	19.70039	19.47872	0.21425	0.69999	0	1.5529	0.04004	1.55305	220424914	4020125	74
08/21/2017 20:33:11	16.67433	16.696	16.65893	733.5	733.5	733.5	18.55272	18.7	18.3	18.20821	18.5	18.1	19.58552	19.70039	19.47872	0.34451	0.5	0	1.63627	0	1.63638	220424914	4020125	74
08/21/2017 20:38:11	16.67453	16.70084	16.65592	733.5	733.5	733.5	18.33661	18.5	18.1	18.0129	18.2	17.9	19.58828	19.70039	19.47872	0.32371	0.5	0.09999	1.71964	0.01717	1.71972	220424914	4020125	74
08/21/2017 20:43:11	16.67477	16.69356	16.64874	733.60107	733.70001	733.60003	17.92246	18.1	17.7	17.57728	17.7	17.5	19.58185	19.70039	19.50643	0.34517	0.6	0.09999	1.80301	0.03997	1.80333	220424914	4020125	74
08/21/2017 20:48:11	16.67316	16.69356	16.65994	733.60003	733.60003	733.60003	17.67698	17.8	17.4	17.48319	17.6	17.4	19.56584	19.64497	19.47872	0.21363	0.3	0	1.88638	0	1.88666	220424914	4020125	74
08/21/2017 20:53:11	16.67316	16.69356	16.65994	733.60003	733.60003	733.60003	17.67698	17.8	17.4	17.48319	17.6	17.4	19.56584	19.64497	19.47872	0.21363	0.3	0	1.96976	0.02858	1.96972	220424914	4020125	74
08/21/2017 20:58:11	16.67492	16.69032	16.65514	733.59295	733.60003	733.5	17.24318	17.4	17.1	17.04308	17.4	16.9	19.65578	19.7558	19.58955	0.20684	0.39999	0.09999	2.05313	0.02285	2.05333	220424914	4020125	74
08/21/2017 21:03:11	16.67404	16.6951	16.64873	733.59802	733.60003	733.5	17.01983	17.2	16.8	16.953	17	16.7	19.66341	19.72809	19.58955	0.13342	0.2	0	2.1365	0	2.13666	220424914	4020125	74
08/21/2017 21:08:11	16.6755	16.6951	16.65514	733.59802	733.60003	733.5	16.77593	17.1	16.6	16.94299	17.1	16.8	19.65648	19.7558	19.53414	0.18048	0.5	0	2.21988	0.04569	2.22	220424914	4020125	74
08/21/2017 21:13:11	16.6755	16.6951	16.65514	733.59802	733.60003	733.5	16.77593	17.1	16.6	16.94299	17.1	16.8	19.65648	19.7558	19.53414	0.18048	0.5	0	2.30326	0.07972	2.30305	220424914	4020125	74
08/21/2017 21:18:11	16.67502	16.6951	16.64233	733.60003	733.60003	733.60003	16.61299	16.8	16.3	16.92403	17.1	16.7	19.65559	19.70039	19.56184	0.31103	0.7	0.09999	2.38663	0.04576	2.38638	220424914	4020125	74
08/21/2017 21:23:11	16.67465	16.69986	16.64069	733.6051	733.70001	733.60003	16.399	16.6	16.2	16.7468	17	16.4	19.6509	19.72809	19.58955	0.36794	0.7	0.09999	2.47001	0.0398	2.46972	220424914	4020125	74
08/21/2017 21:28:11	16.67523	16.6901	16.64852	733.60205	733.70001	733.60003	16.08675	16.2	16	16.23919	16.4	16.1	19.71794	19.81122	19.61726	0.15243	0.3	0	2.55339	0.06272	2.55333	220424914	4020125	74
08/21/2017 21:33:11	16.67523	16.6901	16.64852	733.60205	733.70001	733.60003	16.08675	16.2	16	16.23919	16.4	16.1	19.71794	19.81122	19.61726	0.15243	0.3	0	2.63678	0.03364	2.63638	220424914	4020125	74
08/21/2017 21:38:11	16.67535	16.70427	16.65543	733.63934	733.79998	733.60003	16.00608	16.2	15.9	16.11951	16.3	15.9	19.73775	19.83893	19.64497	0.12688	0.3	0	2.72015	0.03971	2.71972	220424914	4020125	74
08/21/2017 21:43:11	16.67471	16.69962	16.65336	733.84387	734	733.70001	15.57687	15.7	15.4	15.74656	15.9	15.5	19.73725	19.86663	19.64497	0.17641	0.4	0	2.80353	0.03968	2.80333	220424914	4020125	74

08/21/2017 21:48:11	16.67471	16.69962	16.65336	733.84387	734	733.70001	15.57687	15.7	15.4	15.74656	15.9	15.5	19.73725	19.86663	19.64497	0.17641	0.4	0	2.88689	0.06127	2.88666	220424914	4020125	74
08/21/2017 21:53:11	16.67397	16.7	16.65552	733.99951	734.20001	733.79998	15.39008	15.6	15.3	15.5926	15.7	15.5	19.73157	19.81122	19.61726	0.20251	0.3	0	2.97027	0.03201	2.96972	220424914	4020125	74
08/21/2017 21:58:11	16.67524	16.69822	16.65376	734.07061	734.20001	733.90002	15.27347	15.4	15.1	15.49703	15.6	15.2	19.74784	19.81122	19.64497	0.23027	0.4	0.09999	3.05364	0.02562	3.05305	220424914	4020125	74
08/21/2017 22:03:11	16.67434	16.69747	16.64227	734.12774	734.29998	733.90002	15.07196	15.3	14.9	15.37631	15.6	15.1	19.75269	19.83893	19.67268	0.30434	0.6	0	3.13701	0.03958	3.13638	220424914	4020125	74
08/21/2017 22:08:11	16.6752	16.69135	16.65337	734.19195	734.29998	734.10003	14.87897	15	14.7	15.16994	15.3	15.1	19.76542	19.83893	19.67268	0.29096	0.5	0.1	3.22039	0.06259	3.21972	220424914	4020125	74
08/21/2017 22:13:11	16.67518	16.69388	16.65804	734.17077	734.20001	734.10003	14.62253	14.8	14.4	15.0067	15.1	14.9	19.77441	19.86663	19.70039	0.38417	0.7	0.2	3.30376	0.01655	3.30333	220424914	4020125	74
08/21/2017 22:18:11	16.67518	16.69388	16.65804	734.17077	734.20001	734.10003	14.62253	14.8	14.4	15.0067	15.1	14.9	19.77441	19.86663	19.70039	0.38417	0.8	0.2	3.38714	0.03957	3.38638	220424914	4020125	74
08/21/2017 22:23:11	16.67523	16.69599	16.65624	734.19299	734.29998	734.10003	14.44085	14.7	14.2	14.96367	15.1	14.7	19.78051	19.89434	19.70039	0.52282	0.8	0.5	3.47052	0.00903	3.47	220424914	4020125	74
08/21/2017 22:28:11	16.67514	16.69135	16.65624	734.21514	734.29998	734.20001	14.30338	14.4	14.2	14.97259	15.1	14.9	19.80302	19.86663	19.67268	0.6692	0.8	0.5	3.55389	0.03956	3.55305	220424914	4020125	74
08/21/2017 22:33:11	16.67518	16.69345	16.65371	734.25866	734.29998	734.20001	14.06639	14.3	13.9	14.96052	15.1	14.9	19.80054	19.89434	19.72809	0.89413	1.2	0.6	3.63727	0.02302	3.63666	220424914	4020125	74
08/21/2017 22:38:11	16.67434	16.69991	16.65191	734.30505	734.40002	734.29998	13.92314	14.1	13.7	14.93225	15.1	14.7	19.79128	19.92205	19.72809	1.00911	1.2	0.8	3.72063	0.03955	3.72	220424914	4020125	74
08/21/2017 22:43:11	16.67434	16.69991	16.65191	734.30505	734.40002	734.29998	13.92314	14.1	13.7	14.93225	15.1	14.7	19.79128	19.92205	19.72809	1.00911	1.2	0.8	3.804	0.02301	3.80305	220424914	4020125	74
08/21/2017 22:48:11	16.67456	16.70455	16.65191	734.30096	734.40002	734.29998	13.81611	14.1	13.7	14.93471	15.1	14.7	19.79972	19.89434	19.70039	1.1186	1.3	0.8	3.88738	0.01659	3.88638	220424914	4020125	74
08/21/2017 22:53:11	16.67499	16.70351	16.64793	734.33325	734.40002	734.29998	13.68317	13.7	13.6	15.42772	15.6	15.2	19.78618	19.86663	19.70039	1.74455	1.9	1.5	3.97075	0.00902	3.97	220424914	4020125	74
08/21/2017 22:58:11	16.67499	16.70351	16.64793	734.33325	734.40002	734.29998	13.68317	13.7	13.6	15.42772	15.6	15.2	19.78618	19.86663	19.70039	1.74455	2.1	1.3	4.05413	0	4.05305	220424914	4020125	74
08/21/2017 23:03:11	16.6749	16.69417	16.64793	734.3222	734.40002	734.29998	13.70669	13.9	13.6	15.58202	15.8	15.2	19.80823	19.92205	19.70039	1.87533	2.1	1.3	4.1375	0	4.13638	220424914	4020125	74
08/21/2017 23:08:11	16.67428	16.68948	16.65904	734.29901	734.29998	734.20001	13.68299	13.8	13.5	15.65962	15.8	15.5	19.8568	19.92205	19.78351	1.97662	2.1	1.6	4.22086	0.02296	4.22	220424914	4020125	74
08/21/2017 23:13:11	16.67435	16.69417	16.65904	734.29998	734.29998	734.29998	13.69304	13.9	13.6	15.61033	15.7	15.5	19.86728	19.97747	19.7558	1.91728	2.1	1.6	4.30422	0	4.30305	220424914	4020125	74
08/21/2017 23:18:11	16.67538	16.68948	16.65904	734.33813	734.40002	734.29998	13.72353	13.9	13.3	15.75024	15.9	15.5	19.88349	19.94976	19.78351	2.01488	2.4	1.8	4.38758	0.05645	4.38666	220424914	4020125	74
08/21/2017 23:23:11	16.67538	16.68948	16.65904	734.33813	734.40002	734.29998	13.72353	13.9	13.3	15.75024	15.9	15.5	19.88349	19.94976	19.78351	2.0267	2.4	1.8	4.47093	0.0626	4.46972	220424914	4020125	74
08/21/2017 23:28:11	16.67418	16.69417	16.64793	734.34069	734.40002	734.29998	13.76389	13.9	13.6	15.71036	15.9	15.5	19.87233	19.94976	19.78351	1.94646	2	1.5	4.5543	0.00902	4.55333	220424914	4020125	74
08/21/2017 23:33:11	16.67529	16.6924	16.65651	734.34723	734.40002	734.29998	13.76394	13.9	13.7	15.50338	15.7	15.2	19.87139	19.94976	19.78351	1.73944	2	1.5	4.63766	0.00903	4.63638	220424914	4020125	74
08/21/2017 23:38:11	16.67362	16.6924	16.65942	734.37365	734.40002	734.29998	13.77065	13.9	13.6	15.20293	15.5	15	19.89403	19.97747	19.81122	1.43227	1.6	1.2	4.72101	0	4.71972	220424914	4020125	74
08/21/2017 23:43:11	16.67474	16.69345	16.64938	734.35022	734.40002	734.29998	13.78245	13.9	13.7	14.94038	15.1	14.7	19.91237	19.97747	19.83893	1.15792	1.4	0.8	4.80438	0.07259	4.80333	220424914	4020125	74
08/21/2017 23:48:11	16.67474	16.69345	16.64938	734.35022	734.40002	734.29998	13.78245	13.9	13.7	14.94038	15.1	14.7	19.91237	19.97747	19.83893	1.15792	1.4	0.8	4.88773	0.01646	4.88666	220424914	4020125	74
08/21/2017 23:53:11	16.67322	16.69555	16.64755	734.40002	734.40002	734.40002	13.79284	13.9	13.6	14.716	14.9	14.5	19.88729	19.97747	19.78351	0.92316	1.2	0.6	4.97109	0.00652	4.96972	220424914	4020125	74
08/21/2017 23:58:11	16.67319	16.69372	16.64755	734.36596	734.40002	734.29998	13.6899	13.8	13.6	14.68367	14.9	14.5	19.89739	19.97747	19.78351	0.99377	1.2	0.8	5.05445	0.0551	5.05333	220424914	4020125	74
08/22/2017 00:03:11	16.67572	16.68881	16.65191	734.29998	734.29998	734.29998	13.6666	13.9	13.5	14.80239	15.1	14.6	19.90223	19.97747	19.83893	1.13579	1.4	0.8	5.13783	0.00645	5.13666	220424914	4020125	74
08/22/2017 00:08:11	16.67572	16.68881	16.65191	734.29998	734.29998	734.29998	13.6666	13.9	13.5	14.80239	15.1	14.6	19.90223	19.97747	19.83893	1.13579	1.7	1	5.22121	0.01655	5.22	220424914	4020125	74
08/22/2017 00:13:11	16.67467	16.69809	16.65191	734.29998	734.29998	734.29998	13.61613	13.7	13.3	14.88627	15	14.7	19.90178	19.94976	19.81122	1.27014	1.7	1	5.30459	0	5.30305	220424914	4020125	74
08/22/2017 00:18:11	16.67544	16.687	16.65191	734.29998	734.29998	734.29998	13.56995	13.7	13.3	14.87311	14.9	14.7	19.89937	19.97747	19.81122	1.30315	1.6	1.1	5.38796	0.07911	5.38638	220424914	4020125	74
08/22/2017 00:23:11	16.67508	16.69809	16.64938	734.31817	734.40002	734.29998	13.49849	13.7	13.3	14.83603	15	14.6	19.89714	19.94976	19.83893	1.33754	1.6	1.1	5.47132	0	5.46972	220424914	4020125	74
08/22/2017 00:28:11	16.6741	16.69555	16.64938	734.33764	734.40002	734.29998	13.39219	13.6	13.3	14.75609	15	14.5	19.90179	19.97747	19.83893	1.3639	1.7	1.1	5.55468	0.02303	5.55333	220424914	4020125	74
08/22/2017 00:33:11	16.6741	16.69555	16.64938	734.33764	734.40002	734.29998	13.39219	13.6	13.3	14.75609	15	14.5	19.90179	19.97747	19.83893	1.3639	1.7	1.1	5.63806	0.01646	5.63638	220424914	4020125	74
08/22/2017 00:38:11	16.6743	16.69809	16.654	734.34137	734.40002	734.29998	13.34089	13.6	13.1	14.71038	14.9	14.5	19.89908	19.97747	19.81122	1.36948	1.7	1	5.72142	0.00903	5.71972	220424914	4020125	74
08/22/2017 00:43:11	16.67416	16.69625	16.65863	734.33026	734.40002	734.29998	13.3028	13.6	13.1	14.5225	14.7	14.4	19.90585	19.97747	19.83893	1.2197	1.5	0.9	5.80478	0.00903	5.80305	220424914	4020125	74
08/22/2017 00:48:11	16.6751	16.69522	16.65557	734.29998	734.29998	734.29998	13.20645	13.3	13.1	13.94977	14.1	13.8	19.98494	20.0883	19.89434	0.74331	0.9	0.5	5.88813	0.02309	5.88666	220424914	4020125	74
08/22/2017 00:53:11	16.6751	16.69522	16.65557	734.29998	734.29998	734.29998	13.20645	13.3	13.1	13.94977	14.1	13.8	19.98494	20.0883	19.89434	0.74331	1	0.59999	5.9715	0.0625	5.97	220424914	4020125	74
08/22/2017 00:58:11	16.67578	16.7017	16.6491	734.302	734.40002	734.29998	13.18588	13.3	13.1	13.9269	14.1	13.8	20.02702	20.17142	19.89434	0.74101	1	0.59999	6.05486	0.0394	6.05305	220424914	4020125	74
08/22/2017 01:03:11	16.67241	16.70436	16.64073	734.29998	734.29998	734.29998	13.05386	13.2	12.9	13.68318	13.9	13.4	20.09895	20.22684	19.97747	0.62932	0.9	0.3	6.13822	0.02312	6.13666	220424914	4020125	74
08/22/2017 01:08:11	16.67241	16.70436	16.64073	734.29998	734.29998	734.29998	13.05386	13.2	12.9	13.68318	13.9	13.4	20.09895	20.22684	19.97747	0.62932	0.9	0.3	6.22159	0	6.22	220424914	4020125	74
08/22/2017 01:13:11	16.67597	16.70892	16.65886	734.22857	734.29998	734.20001	12.9764	13.1	12.7	13.46696	13.7	13.3	20.15658	20.22684	20.0883	0.49056	0.8	0.3	6.30494	0.03935	6.30305	220424914	4020125	74
08/22/2017 01:18:11	16.67415	16.69451	16.65886	734.15387	734.20001	734.10003	12.80713	13.1	12.7	13.37311	13.5	13.2	20.19967	20.30996	20.116	0.56597	0.8	0.2	6.3883	0.03933	6.38638	220424914	4020125	74
08/22/2017 01:23:11	16.67408	16.69197	16.6549	734.08654	734.20001	734	12.6966	12.9	12.6	13.27237	13.4	13.2	20.22814	20.33767	20.14371	0.57577	0.8	0.3	6.47166	0.05555	6.47	220424914	4020125	74
08/22/2017 01:28:11	16.67446	16.69704	16.65997	733.91076	734	733.79998	12.62991	12.7	12.5	13.25325	13.4	13.2	20.25971	20.33767	20.14371	0.62333	0.9	0.5	6.55504	0.01622	6.55333	220424914	4020125	74
08/22/2017 01:33:11	16.67446	16.69704	16.65997	733.91076	734	733.79998	12.62991	12.7	12.5	13.25325	13.4	13.2	20.25971	20.33767	20.14371	0.62333	0.9	0.5	6.63841	0.04627	6.63638	220424914	4020125	74
08/22/2017 01:38:11	16.67396	16.68256	16.65794	733.75055	733.79998	733.70001	12.49017	12.6	12.4	13.35018	13.4	13.2	20.28952	20.33767	20.22684	0.86001	1	0.69999	6.72176	0.03937	6.72	220424914	4020125	74
08/22/2017 01:43:11	16.67396	16.68256	16.65794	733.75055	733.79998	733.70001	12.49017	12.6	12.4	13.35018	13.4	13.2	20.28952	20.33767	20.22684	0.86001	1	0.69999	6.80512	0.02315	6.80305	220424914	4020125	74
08/22/2017 01:48:11	16.6745	16.68712	16.65399	733.7185	733.79998	733.70001	12.37982	12.5	12.3	13.32259	13.4	13.2	20.29074	20.33767	20.19913	0.94276	1.1	0.8	6.88848	0.00902	6.88638	220424914	4020125	74
08/22/2017 01:53:11	16.67502	16.69166	16.65854	733.70001	733.70001	733.70001	12.30297	12.5	12	13.19362	13.3	13.1	20.31713	20.42079	20.22684	0.89065	1.1	0.7	6.97184	0.05554	6.97	220424914	4020125	74
08/22/2017 01:58:11	16.67502	16.69166	16.65854	733.70001	733.70001	733.70001	12.30297	12.5	12	13.19362	13.3	13.1	20.31713	20.42079	20.22684	0.89065	1.1	0.7	7.05521	0.00903	7.05305	220424914	4020125	74
08/22/2017 02:03:11	16.67446	16.70069	16.65206	733.61578	733.70001	733.60003	12.19429	12.4	12	13.18927	13.4	13.1	20.37561	20.50392	20.28225	0.99498	1.4	0.8	7.13858	0.03007	7.13666	220424914	4020125	74
08/22/2017 02:08:11	16.67397	16.69419	16.65459	733.56482	733.60003	733.5	12.15714	12.3	12	13.16343	13.2	13.1	20.48019	20.67017	20.25455	1.00629	1.2	0.8	7.22194	0.02314	7.22	220424914	4020125	74
08/22/2017 02:13:11	16.67451	16.70523	16.64355	733.54132	733.60003	733.5	12.11712	12.3	12	13.22313	13.4	13.1	20.47953	20.64246	20.36538	1.10601	1.3	0.9	7.30531	0.04629	7.30333	220424914	4020125	74
08/22/2017 02:18:11	16.67451	16.70523	16.64355	733.54132	733.60003	733.5	12.11712	12.3	12	13.22313	13.4	13.1	20.47953	20.64246	20.36538	1.10601	1.3	0.9	7.3887	0.09507	7.38638	220424914	4020125	74
08/22/2017 02:23:11	16.67581	16.69869	16.65449	733.5	733.5	733.5	12.09661	12.3	12	13.37651	13.5	13.1	20.60255	20.69787	20.4485	1.2799	1.5	1	7.47207	0.01627	7.46972	220424914	4020125	74
08/22/2017 02:28:11	16.67457	16.69605	16.64801	733.5	733.5	733.5	12.02652	12.1	11.9	13.45004	13.7	13.3	20.57851	20.69787	20.42079	1.42351	1.7	1.3	7.55544	0.03937	7.55305	220424914	4020125	74
08/22/2017 02:33:11	16.675	16.69413	16.65196	733.53595	733.60003	733.5	12.05001	12.3	11.9	13.43287	13.5	13.3	20.56447	20.67017	20.4485	1.38286	1.6	1	7.63882	0.01623	7.63638	220424914	4020125	74
08/22/2017 02:38:11	16.67496	16.7	16.65196	733.60571	733.70001	733.60003	12.02048	12.3	11.8	13.45337	13.8	13.4	20.59576	20.72558	20.4485	1.43289	1.8	1.1	7.7222	0.06979	7.72	220424914	4020125	74
08/22/2017 02:43:11	16.67496	16.7	16.65196	733.60571	733.70001	733.60003	12.02048	12.3	11.8	13.45337	13.8	13.4	20.59576	20.72558	20.4485	1.43289	1.8	1.3	7.80557	0.02313	7.80333	220424914	4020125	74
08/22/2017 02:48:11	16.67576	16.69747	16.64486	733.69903	733.70001	733.60003	12.00262	12.1	11.8	13.49361	13.8	13.4	20.60816	20.69787	20.4485	1.49098	1.8	1.3	7.88894	0.07877	7.88638	220424914	4020125	74
08/22/2017 02:53:11	16.67591	16.68905	16.64943	733.70001	733.70001	733.70001	12.00671	12.3	11.8	13.46309	13.5	13.4	20.6577	20.75329	20.47621	1.45637	1.7	1.1	7.9723	0	7.96972	220424914	4020125	74
08/22/2017 02:58:11	16.67323	16.69361	16.64751	733.70001	733.70001	733.70001	12.01004	12.3	11.8	13.40003	13.5	13.2	20.6604	20.72558	20.55933	1.38999	1.6	1.1	8.05566	0.03937	8.05305	220424914	4020125	74
08/22/2017 03:03:11	16.67378	16.68905	16.65399	733.69195	733.70001	733.60003	12.00704	12.1	11.8	13.39634	13.5	13.2	20.67517	20.72558	20.61475	1.38929	1.7	1.1	8.13902	0.01626	8.13638	220424914	4020125	74
08/22/2017 03:08:11	16.67668	16.70204	16.64943	733.68896	733.70001	733.60003	11.99999	12.1	11.8	13.48322	13.7	13.4	20.69144	20.781	20.64246	1.48323	1.7	1.4	8.22241	0	8.22	220424914	4020125	74
08/22/2017 03:13:11	16.67668	16.70204	16.64943	733.68896	733.70001	733.60003	11.99999	12.1	11.8	13.48322	13.7	13.4	20.69144	20.781	20.64246	1.48323	1.8	1.3	8.30583	0.02312	8.30333	220424914	4020125	74
08/22/2017 03:18:11	16.67444	16.70345	16.64579	733.91803	734.10003	733.70001	12.00036	12.1	11.9	13.57424	13.8	13.4	20.66387	20.72558	20.58704	1.57387	1.8	1.3	8.38925	0.03719	8.38638	220424914	4020125	74
08/22/2017 03:23:11	16.67398	16.69443	16.65035	734.02887	734.10003	734	11.98994	12.1	11.8	13.49328	13.7	13.4	20.67584	20.75329	20.61475	1.50334	1.9	1.3	8.47269	0.0556	8.46972	220424914	4020125	74
08/22/2017 03:28:11	16.67488	16.69197	16.64782	734.16912	734.20001	734.10003	12.0097	12.3	11.8	13.38993	13.5	13.2	20.66103	20.72558	20.53163	1.38023	1.7	1.1	8.55607	0	8.55333	220424914	4020125	74
08/22/2017 03:33:11	16.67488	16.69197	16.64782	734.16912	734.20001	734.10003	12.0097	12.3	11.8	13.38993	13.5	13.2	20.66103	20.72558	20.53163	1.38023	1.7	1.1	8.63946	0.07658	8.63638	220424914	4020125	74
08/22/2017 03:38:11	16.67501	16.69451	16.64589	734.19433	734.20001	734.10003	11.98324	12.1	11.8	13.30936	13.4	13.2	20.68268	20.75329	20.61475	1.32611	1.6	1.1	8.7229	0	8.71972	220424914	4020125	74

08/22/2017 03:43:11	16.67446	16.69002	16.65692	734.14495	734.20001	734.10003	12.00671	12.1	11.9	13.30673	13.5	13.1	20.68709	20.75329	20.58704	1.30001	1.5	1.1	8.80632	0.03933	8.80333	220424914	4020125	74
08/22/2017 03:48:11	16.67446	16.69002	16.65692	734.14495	734.20001	734.10003	12.00671	12.1	11.9	13.30673	13.5	13.1	20.68709	20.75329	20.58704	1.30001	1.5	1.1	8.88972	0.07864	8.88638	220424914	4020125	74
08/22/2017 03:53:11	16.6749	16.69002	16.65692	734.20001	734.20001	734.20001	11.96012	12.1	11.8	13.32652	13.4	13.2	20.68523	20.75329	20.61475	1.36639	1.6	1.1	8.97309	0.04628	8.96972	220424914	4020125	74
08/22/2017 03:58:11	16.67496	16.69197	16.65692	734.20001	734.20001	734.20001	11.94328	12.1	11.8	13.35703	13.5	13.2	20.73043	20.8087	20.61475	1.41375	1.6	1.2	9.05647	0.0556	9.05305	220424914	4020125	74
08/22/2017 04:03:11	16.67422	16.6925	16.64842	734.06012	734.10003	734	11.91715	12	11.8	13.37306	13.5	13.2	20.78621	20.86412	20.69787	1.45591	1.7	1.2	9.13991	0.07878	9.13666	220424914	4020125	74
08/22/2017 04:08:11	16.67422	16.6925	16.64842	734.06012	734.10003	734	11.91715	12	11.8	13.37306	13.5	13.2	20.78621	20.86412	20.69787	1.45591	1.7	1.2	9.22333	0.08777	9.21972	220424914	4020125	74
08/22/2017 04:13:11	16.67534	16.70599	16.65085	733.90503	734	733.79998	11.88969	12.1	11.8	13.42685	13.5	13.3	20.78804	20.86412	20.69787	1.53715	1.9	1.4	9.30674	0.0603	9.30333	220424914	4020125	74
08/22/2017 04:18:11	16.67534	16.70599	16.65085	733.90503	734	733.79998	11.91667	12	11.8	13.51594	13.8	13.4	20.80208	20.86412	20.75329	1.59927	1.9	1.4	9.39013	0.04886	9.38638	220424914	4020125	74
08/22/2017 04:23:10	16.67455	16.70294	16.65085	733.98791	734.20001	733.79998	11.8907	12	11.7	13.60009	13.8	13.5	20.79421	20.89183	20.72558	1.70938	2	1.5	9.47356	0	9.46972	220424914	4020125	74
08/22/2017 04:28:11	16.67626	16.71197	16.64832	734.01513	734.10003	733.90002	11.92311	12.1	11.8	13.67914	13.8	13.4	20.81102	20.86412	20.67017	1.75602	2	1.4	9.557	0.03214	9.55333	220424914	4020125	74
08/22/2017 04:33:11	16.67626	16.71197	16.64832	734.01513	734.10003	733.90002	11.92311	12.1	11.8	13.67914	13.8	13.4	20.81102	20.86412	20.67017	1.75602	2	1.4	9.64041	0.04628	9.63638	220424914	4020125	74
08/22/2017 04:38:10	16.67481	16.70345	16.65288	733.92144	734	733.79998	11.92362	12	11.8	13.44781	13.8	13.2	20.82027	20.89183	20.72558	1.52419	2	1.2	9.72384	0.02313	9.71972	220424914	4020125	74
08/22/2017 04:43:11	16.67483	16.69308	16.647	733.91009	734	733.90002	11.91945	12	11.8	13.18027	13.4	13.1	20.82666	20.91954	20.75329	1.26082	1.5	1.1	9.80727	0.03933	9.80333	220424914	4020125	74
08/22/2017 04:48:10	16.67483	16.69308	16.647	733.91009	734	733.90002	11.91945	12	11.8	13.18027	13.4	13.1	20.82666	20.91954	20.75329	1.26082	1.5	1.1	9.89063	0	9.88638	220424914	4020125	74
08/22/2017 04:53:10	16.67389	16.70215	16.65803	733.90002	733.90002	733.90002	11.92306	12.1	11.8	13.01737	13.2	12.8	20.87563	20.97495	20.781	1.09431	1.3	0.8	9.97401	0.07858	9.96972	220424914	4020125	74
08/22/2017 04:58:11	16.67444	16.71064	16.64958	733.98883	734.10003	733.90002	11.86715	12	11.7	12.8998	13.1	12.8	20.92256	21.00266	20.8087	1.03264	1.3	0.8	10.05741	0.01612	10.05333	220424914	4020125	74
08/22/2017 05:03:11	16.67444	16.71064	16.64958	733.98883	734.10003	733.90002	11.86715	12	11.7	12.8998	13.1	12.8	20.92256	21.00266	20.8087	1.03264	1.3	0.8	10.14082	0.03926	10.13638	220424914	4020125	74
08/22/2017 05:08:11	16.67589	16.6996	16.65355	734.13787	734.20001	734.10003	11.7866	11.9	11.7	12.78322	12.9	12.6	20.90744	21.00266	20.781	0.99662	1.09999	0.8	10.22425	0.01607	10.22	220424914	4020125	74
08/22/2017 05:13:11	16.67513	16.69706	16.65102	734.20001	734.20001	734.20001	11.76683	11.9	11.5	12.7504	12.8	12.6	20.89582	21.00266	20.781	0.98356	1.3	0.7	10.30768	0.07854	10.30333	220424914	4020125	74
08/22/2017 05:18:11	16.67484	16.69255	16.65753	734.1712	734.20001	734.10003	11.72986	11.9	11.4	12.79664	12.9	12.6	20.94018	21.03037	20.86412	1.06678	1.4	0.9	10.39111	0.03926	10.38666	220424914	4020125	74
08/22/2017 05:23:10	16.67484	16.69255	16.65753	734.1712	734.20001	734.10003	11.72986	11.9	11.4	12.79664	12.9	12.6	20.94018	21.03037	20.86412	1.06678	1.4	0.9	10.47456	0	10.46972	220424914	4020125	74
08/22/2017 05:28:11	16.67384	16.69454	16.64848	734.20001	734.20001	734.20001	11.71144	11.8	11.4	12.93607	13.1	12.8	20.9496	21.05807	20.86412	1.22463	1.7	1	10.55798	0.03225	10.55333	220424914	4020125	74
08/22/2017 05:33:11	16.67384	16.69454	16.64848	734.20001	734.20001	734.20001	11.71144	11.8	11.4	12.93607	13.1	12.8	20.9496	21.05807	20.86412	1.22463	1.7	1.1	10.64141	0.02315	10.63666	220424914	4020125	74
08/22/2017 05:38:10	16.67303	16.70105	16.64848	734.20001	734.20001	734.20001	11.6176	11.8	11.4	13.04618	13.2	12.9	20.94721	21.05807	20.86412	1.42858	1.7	1.1	10.72483	0.01615	10.71972	220424914	4020125	74
08/22/2017 05:43:11	16.67339	16.69454	16.65044	734.20001	734.20001	734.20001	11.62271	11.8	11.4	13.11678	13.2	13.1	20.96942	21.08578	20.86412	1.49406	1.8	1.3	10.80824	0.01617	10.80333	220424914	4020125	74
08/22/2017 05:48:11	16.67339	16.69454	16.65044	734.20001	734.20001	734.20001	11.62271	11.8	11.4	13.11678	13.2	13.1	20.96942	21.08578	20.86412	1.49406	1.8	1.3	10.89166	0.03225	10.88638	220424914	4020125	74
08/22/2017 05:53:10	16.67356	16.70105	16.64848	734.22778	734.29998	734.20001	11.53295	11.7	11.4	13.02026	13.2	12.8	20.92736	21.00266	20.781	1.48731	1.8	1.09999	10.97509	0.06952	10.96972	220424914	4020125	74
08/22/2017 05:58:11	16.67397	16.69454	16.63098	734.21112	734.29998	734.20001	11.57132	11.8	11.4	12.84655	13.1	12.7	20.97889	21.08578	20.86412	1.27522	1.7	1	11.05852	0.06952	11.05333	220424914	4020125	74
08/22/2017 06:03:10	16.67397	16.69454	16.63098	734.21112	734.29998	734.20001	11.57132	11.8	11.4	12.84655	13.1	12.7	20.97889	21.08578	20.86412	1.27522	1.4	0.8	11.14195	0.02318	11.13666	220424914	4020125	74
08/22/2017 06:08:10	16.67513	16.69706	16.65753	734.20001	734.20001	734.20001	11.56328	11.8	11.4	12.76	12.9	12.6	21.01796	21.11349	20.91954	1.19672	1.4	0.8	11.22538	0.03926	11.21972	220424914	4020125	74
08/22/2017 06:13:11	16.67482	16.69706	16.65102	734.23785	734.29998	734.20001	11.53532	11.8	11.4	12.73954	12.9	12.6	21.06507	21.1412	20.97495	1.20422	1.5	1	11.3088	0.03211	11.30333	220424914	4020125	74
08/22/2017 06:18:10	16.67482	16.69706	16.65102	734.23785	734.29998	734.20001	11.53532	11.8	11.4	12.73954	12.9	12.6	21.06507	21.1412	20.97495	1.20422	1.5	1	11.39226	0.01607	11.38638	220424914	4020125	74
08/22/2017 06:23:10	16.67467	16.6985	16.65896	734.35595	734.40002	734.29998	11.48739	11.7	11.4	12.7563	12.9	12.6	20.98981	21.11349	20.89183	1.2689	1.5	0.9	11.47574	0.03925	11.46972	220424914	4020125	74
08/22/2017 06:28:11	16.67539	16.6965	16.65896	734.40002	734.40002	734.40002	11.43658	11.7	11.3	12.77345	12.9	12.6	20.98843	21.11349	20.91954	1.33687	1.5	1	11.55921	0.01607	11.55333	220424914	4020125	74
08/22/2017 06:33:10	16.67539	16.6965	16.65896	734.40002	734.40002	734.40002	11.43658	11.7	11.3	12.77345	12.9	12.6	20.98843	21.11349	20.91954	1.33687	1.5	1	11.64266	0.03924	11.63638	220424914	4020125	74
08/22/2017 06:38:10	16.67674	16.70047	16.65697	734.43383	734.5	734.40002	11.42015	11.7	11.3	12.74622	12.8	12.6	20.95906	21.08578	20.86412	1.32606	1.5	0.9	11.72609	0.03025	11.71972	220424914	4020125	74
08/22/2017 06:43:11	16.67635	16.70898	16.65643	734.5	734.5	734.5	11.45659	11.7	11.3	12.87055	13.1	12.8	21.02866	21.1412	20.91954	1.41395	1.8	1.09999	11.80951	0.03924	11.80333	220424914	4020125	74
08/22/2017 06:48:10	16.67635	16.70898	16.65643	734.5	734.5	734.5	11.45659	11.7	11.3	12.87055	13.1	12.8	21.02866	21.1412	20.91954	1.41395	1.8	1.09999	11.89294	0.03022	11.88638	220424914	4020125	74
08/22/2017 06:53:11	16.67545	16.69344	16.65191	734.5	734.5	734.5	11.49928	11.8	11.3	13.09953	13.2	12.8	21.02192	21.11349	20.91954	1.60024	1.8	1.3	11.97639	0.02316	11.97	220424914	4020125	74
08/22/2017 06:58:10	16.67545	16.69344	16.65191	734.5	734.5	734.5	11.49928	11.8	11.3	13.09953	13.2	12.8	21.02192	21.11349	20.91954	1.60024	1.7	1.1	12.05983	0.06246	12.05333	220424914	4020125	74
08/22/2017 07:03:10	16.67406	16.69796	16.66237	734.5227	734.60003	734.5	11.58904	11.8	11.4	13.12994	13.2	12.9	21.02054	21.11349	20.91954	1.54089	1.7	1.1	12.14324	0.02313	12.13638	220424914	4020125	74
08/22/2017 07:08:10	16.67713	16.69091	16.66237	734.60003	734.60003	734.60003	11.66066	11.8	11.4	13.17986	13.3	13.1	20.98357	21.11349	20.89183	1.5192	1.8	1.4	12.22668	0.02314	12.21972	220424914	4020125	74
08/22/2017 07:13:10	16.67476	16.69287	16.64681	734.62536	734.70001	734.60003	11.78688	11.9	11.7	13.386	13.5	13.2	20.97839	21.11349	20.89183	1.59634	1.7	1.4	12.31011	0.01618	12.30333	220424914	4020125	74
08/22/2017 07:18:10	16.67476	16.69287	16.64681	734.62536	734.70001	734.60003	11.78688	11.9	11.7	13.386	13.5	13.2	20.96119	21.05807	20.89183	1.59912	1.7	1.4	12.39355	0.06935	12.38638	220424914	4020125	74
08/22/2017 07:23:10	16.67505	16.69422	16.64622	734.70001	734.70001	734.70001	11.99356	12.1	11.8	13.53649	13.8	13.4	20.9282	21.00266	20.83641	1.54292	2	1.4	12.47699	0	12.47	220424914	4020125	74
08/22/2017 07:28:10	16.67505	16.69422	16.64622	734.70001	734.70001	734.70001	11.99356	12.1	11.8	13.53649	13.8	13.4	20.9282	21.00266	20.83641	1.54292	2	1.4	12.56039	0.03938	12.55305	220424914	4020125	74
08/22/2017 07:33:10	16.67511	16.69422	16.64622	734.7398	734.79998	734.70001	12.05659	12.3	11.9	13.72703	13.9	13.4	20.89813	21.00266	20.8087	1.67043	2	1.5	12.64379	0.00679	12.63666	220424914	4020125	74
08/22/2017 07:38:10	16.67551	16.69108	16.65603	734.84588	734.90002	734.79998	12.14753	12.3	12	13.83259	14	13.8	20.88449	21.00266	20.72558	1.68505	2	1.5	12.72721	0.0394	12.71972	220424914	4020125	74
08/22/2017 07:43:10	16.67345	16.69564	16.6625	734.90002	734.90002	734.90002	12.25395	12.4	12	13.91345	14.1	13.8	20.84698	20.94725	20.75329	1.6595	2	1.5	12.81064	0.02529	12.80305	220424914	4020125	74
08/22/2017 07:48:10	16.6746	16.69108	16.65603	734.90655	735	734.90002	12.34318	12.5	12.1	13.90303	14	13.8	20.89109	21.00266	20.781	1.55985	1.8	1.3	12.89407	0	12.88638	220424914	4020125	74
08/22/2017 07:53:10	16.67566	16.68916	16.65807	734.94104	735	734.90002	12.46336	12.6	12.4	13.7896	13.9	13.5	20.8343	20.91954	20.75329	1.32624	1.5	1.1	12.97751	0.01625	12.96972	220424914	4020125	74
08/22/2017 07:58:10	16.67558	16.69233	16.65081	734.9721	735	734.90002	12.60619	12.7	12.5	14.05514	14.5	13.8	20.8253	20.94725	20.69787	1.44894	1.8	1.19999	13.06096	0	13.05333	220424914	4020125	74
08/22/2017 08:03:10	16.67466	16.70067	16.65819	735	735	735	12.6499	12.7	12.6	14.57542	14.9	14.4	20.76406	20.89183	20.67017	1.92551	2.3	1.7	13.14442	0	13.13666	220424914	4020125	74
08/22/2017 08:08:10	16.67466	16.70067	16.65819	735	735	735	12.6499	12.7	12.6	14.57542	14.9	14.4	20.76406	20.89183	20.67017	1.92551	2.3	1.7	13.22785	0.08551	13.21972	220424914	4020125	74
08/22/2017 08:13:10	16.67518	16.69689	16.64711	735.0141	735.10003	735	12.77235	13	12.6	15.11668	15.5	14.9	20.70211	20.781	20.64246	2.34433	2.9	2.2	13.31128	0.01663	13.30333	220424914	4020125	74
08/22/2017 08:18:10	16.67516	16.70799	16.64173	735.08117	735.10003	735	12.91253	13.1	12.7	15.41925	15.7	15.2	20.69361	20.781	20.55933	2.50672	2.9	2.2	13.39469	0.03963	13.38638	220424914	4020125	74
08/22/2017 08:23:10	16.67492	16.69146	16.65384	735.13635	735.20001	735.10003	13.11996	13.3	13	15.77983	15.9	15.6	20.6534	20.75329	20.50392	2.65987	2.9	2.5	13.47809	0.09597	13.46972	220424914	4020125	74
08/22/2017 08:28:10	16.67618	16.69966	16.65514	735.14087	735.20001	735.10003	13.62335	13.8	13.3	16.05306	16.2	15.8	20.68159	20.83641	20.50392	2.42971	2.8	2.1	13.56153	0.01052	13.55333	220424914	4020125	74
08/22/2017 08:33:10	16.67618	16.69966	16.65514	735.14087	735.20001	735.10003	13.62335	13.8	13.3	16.05306	16.2	15.8	20.68159	20.83641	20.50392	2.42971	2.8	2.1	13.64498	0.03359	13.63638	220424914	4020125	74
08/22/2017 08:38:10	16.67577	16.69415	16.65601	735.23675	735.29998	735.20001	14.11642	14.3	13.9	16.45415	16.7	16.3	20.54311	20.75329	20.39309	2.33773	2.6	2.1	13.72839	0.02288	13.72	220424914	4020125	74
08/22/2017 08:43:10	16.67577	16.69415	16.65601	735.23675	735.29998	735.20001	14.11642	14.3	13.9	16.45415	16.7	16.3	20.54311	20.75329	20.39309	2.33773	2.6	2.1	13.81181	0.0278	13.80305	220424914	4020125	74
08/22/2017 08:48:10	16.67527	16.69671	16.65042	735.29998	735.29998	735.29998	14.71005	14.8	14.4	16.87117	17	16.7	20.47255	20.61475	20.39309	2.16112	2.5	1.9	13.89523	0.00593	13.88666	220424914	4020125	74
08/22/2017 08:53:10	16.67527	16.69671	16.65042	735.29998	735.29998	735.29998	14.71005	14.8	14.4	16.87117	17	16.7	20.47255	20.61475	20.39309	2.16112	2.5	1.9	13.97867	0.02281	13.96972	220424914	4020125	74
08/22/2017 08:58:10	16.676	16.70002	16.65532	735.29901	735.29998	735.20001	15.26647	15.5	15	17.41007	17.6	17.1	20.58392	20.75329	20.4485	2.1436	2.3	2	14.0621	0.05691	14.05333	220424914	4020125	74
08/22/2017 09:03:10	16.676	16.70002	16.65532	735.29901	735.29998	735.20001	15.26647	15.5	15	17.41007	17.6	17.1	20.58392	20.75329	20.4485	2.1436	2.3	2	14.14552	0.09129	14.13638	220424914	4020125	74
08/22/2017 09:08:10	16.67555	16.70967	16.64414	735.31713	735.40002	735.29998	15.81637	16.1	15.6	17.50945	17.9	17.4	20.48322	20.67017	20.36538	1.69307	2.2	1.3	14.22895	0.03984	14.22	220424914	4020125	74
08/22/2017 09:13:10	16.67555	16.70967	16.64414	735.31713	735.40002	735.29998	15.81637	16.1	15.6	17.50945	17.9	17.4	20.48322	20.67017	20.36538	1.69307	2.2	1.3	14.31236	0.01715	14.30305	220424914	4020125	74
08/22/2017 09:18:10	16.67605	16.70234	16.65273	735.40606	735.5	735.40002	16.35883	16.6	16.1	18.04279	18.2	17.9	20.36103	20.4485	20.25455	1.68396	2	1.3	14.39579	0.01716	14.38666	220424914	4020125	74
08/22/2017 09:23:10	16.67605	16.70234	16.65273	735.40606	735.5	735.40002	16.35883	16.6	16.1	18.04279	18.2	17.9	20.36103	20.4485	20.25455	1.68396	2.2	1.4	14.4792	0.03999	14.46972	220424914	4020125	74
08/22/2017 09:28:10	16.67502	16.69483	16.64357	735.5	735.5	735.5	16.90626	17.2	16.7	18.69024	18.8	18.5	20.31405	20.39309	20.22684	1.78398	2.09999	1.59999	14.56263	0.04002	14.55333	220424914	4020125	74
08/22/2017 09:33:10	16.67601	16.70019	16.65226	735.565	735.60003	735.5	17.20584	17.4	16.8	18.82103	19.1	18.7	20.26282	20.36538	20.17142	1.61518	2.1	1.3	14.64606	0.04541	14.63666	220424914	4020125	74

08/22/2017 09:38:10	16.67601	16.70019	16.65226	735.565	735.60003	735.5	17.20584	17.4	16.8	18.82103	19.1	18.7	20.26282	20.36538	20.17142	1.61518	2.1	1.3	14.72949	0.01738	14.71972	220424914	4020125	74
08/22/2017 09:43:10	16.67702	16.70019	16.6474	735.59802	735.60003	735.5	17.42889	17.7	17.3	18.9555	19.2	18.7	20.27151	20.36538	20.19913	1.52661	1.8	1.3	14.81293	0.03487	14.80305	220424914	4020125	74
08/22/2017 09:48:10	16.67488	16.69338	16.64691	735.60608	735.70001	735.60003	18.02329	18.3	17.9	19.56243	19.8	19.4	20.2201	20.28225	20.116	1.53913	1.8	1.4	14.89633	0.03112	14.88666	220424914	4020125	74
08/22/2017 09:53:10	16.67488	16.69338	16.64691	735.60608	735.70001	735.60003	18.02329	18.3	17.9	19.56243	19.8	19.4	20.2201	20.28225	20.116	1.53913	1.8	1.4	14.97978	0.0504	14.96972	220424914	4020125	74
08/22/2017 09:58:10	16.67564	16.69482	16.64439	735.6842	735.70001	735.60003	18.51654	18.7	18.4	19.78254	19.9	19.5	20.19953	20.28225	20.0883	1.266	1.5	0.8	15.0632	0.02652	15.05333	220424914	4020125	74
08/22/2017 10:03:10	16.67676	16.70147	16.6599	735.69696	735.70001	735.60003	18.76882	19	18.6	20.27354	20.5	19.9	20.16158	20.28225	20.0883	1.50473	1.8	1.2	15.14663	0.04021	15.13666	220424914	4020125	74
08/22/2017 10:08:10	16.67676	16.70147	16.6599	735.69696	735.70001	735.60003	18.76882	19	18.6	20.27354	20.5	19.9	20.16158	20.28225	20.0883	1.50473	1.8	1.2	15.23006	0.06284	15.21972	220424914	4020125	74
08/22/2017 10:13:10	16.67483	16.69653	16.65381	735.75952	735.79998	735.70001	19.08053	19.2	18.7	20.5358	20.7	20.4	20.11731	20.19913	19.94976	1.45526	1.8	1.3	15.31348	0.02254	15.30305	220424914	4020125	74
08/22/2017 10:18:10	16.67468	16.69675	16.65154	735.80505	735.90002	735.79998	19.65997	19.9	19.3	20.96169	21.2	20.7	20.13008	20.30996	19.97747	1.30172	1.6	1	15.39691	0.04932	15.38666	220424914	4020125	74
08/22/2017 10:23:10	16.67468	16.69675	16.65154	735.80505	735.90002	735.79998	19.65997	19.9	19.3	20.96169	21.2	20.7	20.13008	20.30996	19.97747	1.30172	1.6	1	15.48035	0.06752	15.46972	220424914	4020125	74
08/22/2017 10:28:10	16.67591	16.69943	16.65417	735.83441	735.90002	735.79998	20.21525	20.4	19.9	21.3325	21.6	21	20.18027	20.28225	20.0883	1.11725	1.4	0.8	15.56377	0.04038	15.55333	220424914	4020125	74
08/22/2017 10:33:10	16.67591	16.69943	16.65417	735.83441	735.90002	735.79998	20.21525	20.4	19.9	21.3325	21.6	21	20.18027	20.28225	20.0883	1.11725	1.8	1	15.64721	0.08089	15.63638	220424914	4020125	74
08/22/2017 10:38:10	16.67702	16.70584	16.65546	735.89257	735.90002	735.79998	20.52198	20.8	20.3	22.01233	22.3	21.7	20.16526	20.25455	20.06059	1.49034	1.8	1	15.73063	0.09909	15.71972	220424914	4020125	74
08/22/2017 10:43:10	16.67529	16.70082	16.65031	735.81958	735.90002	735.79998	21.17254	21.4	20.9	22.51534	22.8	22.1	20.32819	20.4485	20.25455	1.3428	1.6	1.1	15.81405	0	15.80333	220424914	4020125	74
08/22/2017 10:48:10	16.676	16.70074	16.65915	735.90203	736	735.90002	21.46942	21.6	21.3	22.86661	23.1	22.5	20.34422	20.42079	20.25455	1.39718	1.7	1.1	15.89748	0.08535	15.88666	220424914	4020125	74
08/22/2017 10:53:10	16.67388	16.7157	16.65245	735.90405	736	735.90002	21.74016	22	21.4	23.2614	23.5	22.8	20.35163	20.47621	20.22684	1.52124	1.8	1.1	15.98091	0.04474	15.97	220424914	4020125	74
08/22/2017 10:58:10	16.67388	16.7157	16.65245	735.90405	736	735.90002	21.74016	22	21.4	23.2614	23.5	22.8	20.35163	20.47621	20.22684	1.52124	1.8	1.1	16.06433	0.059	16.05305	220424914	4020125	74
08/22/2017 11:03:10	16.67518	16.70145	16.64591	735.97912	736	735.90002	22.47013	22.7	22.2	23.6734	23.9	23.5	20.51552	20.61475	20.42079	1.20327	1.6	0.9	16.14776	0.04065	16.13666	220424914	4020125	74
08/22/2017 11:08:10	16.67518	16.70145	16.64591	735.97912	736	735.90002	22.47013	22.7	22.2	23.6734	23.9	23.5	20.51552	20.61475	20.42079	1.20327	1.5	0.6	16.23117	0.08532	16.22	220424914	4020125	74
08/22/2017 11:13:10	16.67645	16.70032	16.64591	735.98382	736	735.90002	22.79056	23.1	22.6	23.90617	24.1	23.6	20.5392	20.61475	20.47621	1.1156	1.5	0.6	16.31457	0.01849	16.30305	220424914	4020125	74
08/22/2017 11:18:10	16.67649	16.70629	16.65434	736	736	736	23.1438	23.4	22.9	24.19697	24.5	24.1	20.53676	20.67017	20.42079	1.05316	1.6	0.7	16.39795	0.01855	16.38666	220424914	4020125	74
08/22/2017 11:23:10	16.67583	16.70953	16.64917	736	736	736	23.44346	23.7	23.2	24.48862	25.1	24	20.51407	20.58704	20.39309	1.04516	1.6	0.7	16.48116	0.01324	16.46972	220424914	4020125	74
08/22/2017 11:28:10	16.67477	16.70536	16.64874	736.03436	736.10003	736	23.78225	24	23.5	24.88723	25.2	24.6	20.53647	20.64246	20.42079	1.10497	1.6	0.8	16.56437	0.02217	16.55305	220424914	4020125	74
08/22/2017 11:33:10	16.67389	16.69436	16.64749	736.10003	736.10003	736.10003	24.37678	24.6	24.1	25.67401	26	25.4	20.52412	20.61475	20.42079	1.29723	1.7	0.9	16.64757	0.04094	16.63666	220424914	4020125	74
08/22/2017 11:38:10	16.67604	16.70059	16.65274	736.09301	736.10003	736	24.68799	25	24.4	25.95306	26.4	25.4	20.54939	20.61475	20.4485	1.26507	1.8	0.8	16.73078	0.04098	16.72	220424914	4020125	74
08/22/2017 11:43:10	16.67604	16.70059	16.65274	736.09301	736.10003	736	24.68799	25	24.4	25.95306	26.4	25.4	20.54939	20.61475	20.4485	1.26507	1.4	0.8	16.81399	0.04428	16.80333	220424914	4020125	74
08/22/2017 11:48:10	16.67519	16.70343	16.64937	736.09802	736.10003	736	25.00209	25.2	24.7	26.13222	26.4	25.9	20.57964	20.69787	20.4485	1.13012	1.7	1	16.8972	0.04109	16.88666	220424914	4020125	74
08/22/2017 11:53:10	16.67561	16.69993	16.65209	736.099	736.10003	736	25.28192	25.5	25.1	26.60738	27	26.4	20.5157	20.69787	20.39309	1.32546	1.7	1	16.9804	0.00318	16.96972	220424914	4020125	74
08/22/2017 11:58:10	16.67503	16.6946	16.64848	736.10003	736.10003	736.10003	25.91549	26.2	25.7	26.76185	27.1	26.4	20.52974	20.72558	20.39309	0.84636	1.2	0.5	17.0636	0	17.05333	220424914	4020125	74
08/22/2017 12:03:10	16.67503	16.6946	16.64848	736.10003	736.10003	736.10003	25.91549	26.2	25.7	26.76185	27.1	26.4	20.52974	20.72558	20.39309	0.84636	1.2	0.5	17.14681	0.02519	17.13638	220424914	4020125	74
08/22/2017 12:08:10	16.67518	16.70614	16.66001	736.10003	736.10003	736.10003	26.17985	26.3	25.9	27.02024	27.1	26.7	20.5385	20.75329	20.39309	0.84038	1.1	0.4	17.23002	0	17.21972	220424914	4020125	74
08/22/2017 12:13:10	16.67567	16.70419	16.65296	736.05035	736.10003	736	26.48524	26.7	26.2	27.17914	27.6	26.7	20.54262	20.781	20.42079	0.69389	1.1	0.3	17.31322	0.04411	17.30305	220424914	4020125	74
08/22/2017 12:18:10	16.6753	16.72814	16.63492	736.00738	736.10003	736	26.98463	27.3	26.8	27.61295	27.8	27.2	20.48186	20.58704	20.36538	0.62832	0.8	0.3	17.39644	0.03103	17.38666	220424914	4020125	74
08/22/2017 12:23:10	16.6753	16.72814	16.63492	736.00738	736.10003	736	26.98463	27.3	26.8	27.61295	27.8	27.2	20.48186	20.58704	20.36538	0.62832	1.4	0.1	17.47968	0.00901	17.47	220424914	4020125	74
08/22/2017 12:28:10	16.6758	16.71905	16.65345	736.0094	736.10003	736	27.30669	27.5	27	27.86294	28.7	27.5	20.48774	20.58704	20.39309	0.55624	1.4	0.1	17.56292	0.02198	17.55305	220424914	4020125	74
08/22/2017 12:33:10	16.67568	16.70032	16.63802	736.00702	736.10003	736	27.84241	28	27.59999	28.2221	28.5	27.8	20.50701	20.64246	20.33767	0.38641	0.8	0	17.64613	0	17.63666	220424914	4020125	74
08/22/2017 12:38:10	16.67568	16.70032	16.63802	736.00702	736.10003	736	27.84241	28	27.59999	28.2221	28.5	27.8	20.50701	20.64246	20.33767	0.38641	0.8	0	17.72934	0.01936	17.71972	220424914	4020125	74
08/22/2017 12:43:10	16.67495	16.70285	16.65034	736.00097	736.10003	736	28.0791	28.3	27.9	28.37911	28.7	28.2	20.46123	20.53163	20.36538	0.30001	0.6	0.09999	17.81256	0.08271	17.80305	220424914	4020125	74
08/22/2017 12:48:10	16.67569	16.71123	16.64491	736	736	736	28.59325	28.8	28.3	28.70264	29.1	28.4	20.38424	20.50392	20.28225	0.18324	0.6	0	17.89577	0.02194	17.88666	220424914	4020125	74
08/22/2017 12:53:10	16.67561	16.70285	16.63473	735.97888	736	735.90002	28.7926	28.9	28.7	29.03827	29.4	28.8	20.35906	20.50392	20.22684	0.25769	0.6	0	17.979	0.04137	17.97	220424914	4020125	74
08/22/2017 12:58:10	16.67561	16.70285	16.63473	735.97888	736	735.90002	28.7926	28.9	28.7	29.03827	29.4	28.8	20.35906	20.50392	20.22684	0.25769	0.6	0	18.0622	0	18.05305	220424914	4020125	74
08/22/2017 13:03:10	16.67609	16.69891	16.65178	735.99798	736	735.90002	29.05565	29.3	28.8	29.18172	29.6	28.7	20.32931	20.39309	20.17142	0.20656	0.5	0	18.14541	0.0219	18.13638	220424914	4020125	74
08/22/2017 13:08:10	16.6756	16.70032	16.64702	736	736	736	29.249	29.4	29.2	29.3993	29.6	29	20.28627	20.39309	20.14371	0.19729	0.4	0	18.22861	0.04376	18.21972	220424914	4020125	74
08/22/2017 13:13:10	16.6753	16.69934	16.64779	735.92724	736	735.90002	29.63955	29.8	29.5	29.79632	30.3	29.5	20.22815	20.33767	20.116	0.20373	0.59999	0	18.31182	0.08318	18.30333	220424914	4020125	74
08/22/2017 13:18:10	16.6753	16.69934	16.64779	735.92724	736	735.90002	29.63955	29.8	29.5	29.79632	30.3	29.5	20.22815	20.33767	20.116	0.20373	0.59999	0	18.39503	0.1466	18.38638	220424914	4020125	74
08/22/2017 13:23:10	16.67497	16.69997	16.64348	735.93121	736	735.90002	29.86308	30	29.7	30.15368	30.6	29.7	20.1996	20.28225	20.116	0.31746	0.8	0	18.47825	0.01981	18.46972	220424914	4020125	74
08/22/2017 13:28:10	16.67448	16.70175	16.64836	735.90533	736	735.90002	30.32613	30.5	30.09999	30.67051	30.8	30.5	20.03532	20.19913	19.94976	0.34438	0.7	0	18.56146	0.04159	18.55333	220424914	4020125	74
08/22/2017 13:33:10	16.67448	16.70175	16.64836	735.90533	736	735.90002	30.32613	30.5	30.09999	30.67051	30.8	30.5	20.03532	20.19913	19.94976	0.34438	0.7	0	18.64466	0	18.63638	220424914	4020125	74
08/22/2017 13:38:10	16.67585	16.69562	16.64891	735.93628	736	735.90002	30.51272	30.59999	30.4	30.61606	30.8	30.3	19.9799	20.06059	19.89434	0.12349	0.39999	0	18.72786	0.009	18.71972	220424914	4020125	74
08/22/2017 13:43:10	16.67562	16.69674	16.6525	735.94036	736	735.90002	30.6683	30.9	30.5	30.73699	31.1	30.6	19.96295	20.03288	19.89434	0.14629	0.5	0	18.81107	0.04166	18.80305	220424914	4020125	74
08/22/2017 13:48:10	16.67486	16.69674	16.64693	735.92822	736	735.90002	30.90669	31.09999	30.59999	30.77718	31.2	30.5	19.88256	20.00517	19.78351	0.25037	0.8	0.2	18.89427	0.02183	18.88638	220424914	4020125	74
08/22/2017 13:53:10	16.67499	16.69562	16.65195	735.93121	736	735.90002	31.06161	31.3	31	30.69473	30.8	30.5	19.81318	19.92205	19.67268	0.36688	0.8	0.2	18.97748	0.02177	18.96972	220424914	4020125	74
08/22/2017 13:58:10	16.67521	16.70843	16.64891	735.88189	735.90002	735.79998	31.20261	31.3	31	30.86618	31.4	30.5	19.79759	19.89434	19.67268	0.34839	0.59999	0	19.0607	0.0237	19.05305	220424914	4020125	74
08/22/2017 14:03:10	16.67529	16.70441	16.65144	735.8443	735.90002	735.79998	31.3321	31.5	31.2	31.39547	31.8	30.8	19.74931	19.83893	19.67268	0.23207	0.7	0	19.14391	0.00901	19.13638	220424914	4020125	74
08/22/2017 14:08:10	16.67567	16.70286	16.64739	735.70477	735.79998	735.60003	31.64026	31.8	31.5	31.3631	31.7	31.2	19.67628	19.78351	19.56184	0.27716	0.5	0	19.22711	0	19.22	220424914	4020125	74
08/22/2017 14:13:10	16.67596	16.69674	16.65552	735.6665	735.79998	735.60003	31.77984	31.9	31.7	31.35861	31.7	31.1	19.60811	19.70039	19.53414	0.42123	0.69999	0.09999	19.31032	0.02178	19.30333	220424914	4020125	74
08/22/2017 14:18:10	16.67596	16.69674	16.65552	735.6665	735.79998	735.60003	31.77984	31.9	31.7	31.35861	31.7	31.1	19.60811	19.70039	19.53414	0.42123	0.69999	0.09999	19.39352	0.02176	19.38638	220424914	4020125	74
08/22/2017 14:23:10	16.67572	16.70181	16.65496	735.56854	735.70001	735.5	31.86641	32.2	31.8	31.27917	31.5	30.9	19.60842	19.72809	19.47872	0.58723	0.89999	0.3	19.47673	0	19.46972	220424914	4020125	74
08/22/2017 14:28:10	16.6744	16.69417	16.65854	735.51513	735.60003	735.40002	32.00185	32.2	31.8	31.67985	32	31.5	19.54336	19.64497	19.45101	0.33541	0.7	0.09999	19.55993	0.02345	19.55305	220424914	4020125	74
08/22/2017 14:33:10	16.67558	16.69924	16.64982	735.42926	735.5	735.29998	32.16644	32.3	31.9	31.56157	31.8	31.2	19.53289	19.61726	19.45101	0.60487	1	0.1	19.64314	0.03252	19.63638	220424914	4020125	74
08/22/2017 14:38:10	16.67474	16.70177	16.65187	735.40002	735.5	735.29998	32.23286	32.3	32.09999	31.57466	31.8	31.3	19.45346	19.64497	19.31247	0.65819	0.9	0.3	19.72635	0.06357	19.71972	220424914	4020125	74
08/22/2017 14:43:10	16.67509	16.69924	16.65487	735.36242	735.5	735.29998	32.26646	32.4	32.2	31.46754	31.8	31.3	19.39225	19.50643	19.31247	0.79891	1	0.4	19.80955	0.09262	19.80305	220424914	4020125	74
08/22/2017 14:48:10	16.6748	16.69516	16.64221	735.28564	735.29998	735.20001	32.32353	32.5	32.2	31.48168	31.8	31.3	19.36502	19.47872	19.25706	0.84185	1.1	0.5	19.89276	0.00172	19.88666	220424914	4020125	74
08/22/2017 14:53:10	16.67459	16.69769	16.6544	735.22924	735.29998	735.20001	32.33285	32.5	32.2	31.49134	31.8	31.3	19.37052	19.45101	19.28476	0.84151	1.1	0.5	19.97596	0.01999	19.97	220424914	4020125	74
08/22/2017 14:58:10	16.67459	16.69769	16.6544	735.22924	735.29998	735.20001	32.33285	32.5	32.2	31.49134	31.8	31.3	19.37052	19.45101	19.28476	0.84151	1.1	0.5	20.05917	0.00349	20.05305	220424914	4020125	74
08/22/2017 15:03:10	16.67561	16.7043	16.64473	735.20105	735.29998	735.20001	32.3571	32.5	32.2	31.51521	31.8	31.3	19.36426	19.42331	19.31247	0.84189	1.1	0.5	20.14237	0.02173	20.13638	220424914	4020125	74
08/22/2017 15:08:10	16.67528	16.69351	16.65693	735.20001	735.20001	735.20001	32.36048	32.5	32.2	31.84366	32.1	31.5	19.35539	19.42331	19.28476	0.51682	0.9	0.19999	20.22557	0	20.21972	220424914	4020125	74
08/22/2017 15:13:10	16.675	16.69868	16.65693	735.19897	735.20001	735.10003	32.36306	32.7	32.3	31.66307	31.8	31.4	19.35687	19.42331	19.28476	0.69999	1	0.5	20.30878	0.00901	20.30305	220424914	4020125	74
08/22/2017 15:18:10	16.67469	16.69359	16.65743	735.17456	735.20001	735.10003	32.31346	32.5	32.2	30.80572	31.1	30.5	19.37835	19.50643	19.28476	1.50773	1.8	1.19999	20.39198	0.02884	20.38666	220424914	4020125	74
08/22/2017 15:23:10	16.67515	16.70329	16.65594	735.15564	735.20001	735.10003	32.27056	32.4	32.2	31.04627	31.3	30.7	19.37374	19.45101	19.31247	1.22429	1.59999	0.9	20.47519	0.03272	20.47	220424914	4020125	74
08/22/2017 15:28:10	16.67483	16.69862	16.64932	735.1242	735.20001	735.10003	32.22948	32.4	32.09999	30.81767	31.1	30.7	19.40726	19.50643	19.31247	1.41181	1.59999	1.09999	20.55839	0.02181	20.55333	220424914	4020125	74

08/22/2017 15:33:10	16.67483	16.69862	16.64932	735.1242	735.20001	735.10003	32.22948	32.4	32.09999	30.81767	31.1	30.7	19.40726	19.50643	19.31247	1.41181	1.59999	1.09999	20.64159	0.06349	20.63666	220424914	4020125	74
08/22/2017 15:38:10	16.67508	16.69862	16.64465	735.08471	735.20001	735	32.0992	32.2	31.9	30.67307	31.2	30.3	19.44835	19.53414	19.36789	1.42613	1.9	0.89999	20.7248	0.02181	20.71972	220424914	4020125	74
08/22/2017 15:43:10	16.67437	16.69503	16.65132	735.04962	735.10003	735	32.03435	32.2	31.9	30.70596	30.8	30.5	19.46895	19.58955	19.34018	1.32838	1.59999	1.1	20.808	0.08344	20.80305	220424914	4020125	74
08/22/2017 15:48:10	16.67475	16.69612	16.64878	734.99798	735	734.90002	31.82431	31.9	31.7	30.86051	31.2	30.6	19.51035	19.61726	19.3956	0.99582	1.1	0.3	20.8912	0	20.88666	220424914	4020125	74
08/22/2017 15:53:10	16.67475	16.69612	16.64878	734.99798	735	734.90002	31.82431	31.9	31.7	31.11343	31.5	30.8	19.50662	19.61726	19.42331	0.71088	1.1	0.3	20.97441	0.00185	20.96972	220424914	4020125	74
08/22/2017 15:58:09	16.67455	16.70783	16.64268	734.96551	735	734.90002	31.74287	31.8	31.59999	30.95223	31.2	30.7	19.53414	19.64497	19.42331	0.79064	1	0.49999	21.05762	0.10519	21.05305	220424914	4020125	74
08/22/2017 16:03:10	16.67521	16.70477	16.64826	734.91009	735	734.90002	31.67903	31.8	31.5	30.89683	31.3	30.7	19.52614	19.64497	19.45101	0.78219	1.09999	0.39999	21.14082	0.04356	21.13666	220424914	4020125	74
08/22/2017 16:08:10	16.67479	16.69865	16.65026	734.90002	734.90002	734.90002	31.67311	31.8	31.5	30.71425	31.2	30.5	19.52499	19.61726	19.42331	0.95885	1.2	0.5	21.22403	0.02182	21.22	220424914	4020125	74
08/22/2017 16:13:10	16.67479	16.69865	16.65026	734.90002	734.90002	734.90002	31.67311	31.8	31.5	30.71425	31.2	30.5	19.52499	19.61726	19.42331	0.95885	1.2	0.5	21.30723	0.02177	21.30305	220424914	4020125	74
08/22/2017 16:18:09	16.67659	16.70477	16.65026	734.88977	734.90002	734.79998	31.65551	31.8	31.5	30.96736	31.3	30.3	19.52419	19.61726	19.42331	0.68815	1.4	0.3	21.39044	0.00197	21.38638	220424914	4020125	74
08/22/2017 16:23:10	16.67612	16.7129	16.65332	734.82519	734.90002	734.70001	31.63447	31.8	31.5	30.77642	31.1	30.5	19.53359	19.64497	19.42331	0.85805	1.19999	0.49999	21.47366	0.05987	21.47	220424914	4020125	74
08/22/2017 16:28:10	16.67494	16.7001	16.64721	734.85443	734.90002	734.79998	31.65045	31.8	31.5	30.77721	31.2	30.6	19.49301	19.56184	19.36789	0.87323	1.19999	0.39999	21.55687	0.11233	21.55333	220424914	4020125	74
08/22/2017 16:33:10	16.67508	16.7001	16.65079	734.80499	734.90002	734.79998	31.63109	31.8	31.5	30.72271	30.9	30.5	19.51653	19.61726	19.45101	0.90838	1.19999	0.69999	21.64008	0.01992	21.63666	220424914	4020125	74
08/22/2017 16:38:10	16.67497	16.70622	16.64773	734.80499	734.90002	734.79998	31.63109	31.8	31.5	30.72271	30.9	30.5	19.51653	19.61726	19.45101	0.90838	1.09999	0.5	21.72331	0.13982	21.72	220424914	4020125	74
08/22/2017 16:43:10	16.67505	16.69452	16.65278	734.74359	734.79998	734.70001	31.57982	31.7	31.5	30.66636	31.1	30.3	19.51558	19.61726	19.3956	0.91346	1.4	0.49999	21.80651	0	21.80333	220424914	4020125	74
08/22/2017 16:48:10	16.67505	16.69452	16.65278	734.74359	734.79998	734.70001	31.57982	31.7	31.5	30.66636	31.1	30.3	19.51558	19.61726	19.3956	0.91346	1.59999	0.8	21.88973	0.04165	21.88638	220424914	4020125	74
08/22/2017 16:53:10	16.67541	16.70206	16.65475	734.70404	734.79998	734.70001	31.47132	31.59999	31.3	30.52018	30.7	30.3	19.51118	19.61726	19.3956	0.95114	1.2	0.69999	21.97295	0	21.97	220424914	4020125	74
08/22/2017 16:58:10	16.67635	16.71375	16.65475	734.69983	734.70001	734.60003	31.40416	31.59999	31.2	30.47815	30.7	30.3	19.51984	19.61726	19.42331	0.92601	1.3	0.59999	22.05618	0.02182	22.05333	220424914	4020125	74
08/22/2017 17:03:09	16.6754	16.6965	16.64973	734.69983	734.70001	734.60003	31.40416	31.59999	31.2	30.47815	30.7	30.3	19.51984	19.61726	19.42331	0.92601	1.09999	0.5	22.13938	0.03981	22.13666	220424914	4020125	74
08/22/2017 17:08:10	16.6754	16.6965	16.64973	734.66876	734.70001	734.60003	31.31345	31.5	31.2	30.50923	30.8	30.2	19.50503	19.58955	19.3956	0.80421	1.2	0.49999	22.22259	0.04167	22.21972	220424914	4020125	74
08/22/2017 17:13:09	16.67514	16.69904	16.64864	734.6242	734.70001	734.60003	31.27729	31.5	31.09999	30.45292	30.7	30.1	19.50851	19.61726	19.42331	0.82436	1.2	0.49999	22.30579	0.12504	22.30305	220424914	4020125	74
08/22/2017 17:18:09	16.67436	16.70263	16.6456	734.6101	734.70001	734.60003	31.22355	31.3	31.09999	30.57646	30.8	30.3	19.52748	19.70039	19.42331	0.64708	1.09999	0.39999	22.389	0.04168	22.38638	220424914	4020125	74
08/22/2017 17:23:09	16.675	16.69291	16.64504	734.62036	734.70001	734.60003	31.17645	31.3	31	30.42522	30.6	30.1	19.50775	19.61726	19.42331	0.75123	1.2	0.5	22.47221	0.06348	22.46972	220424914	4020125	74
08/22/2017 17:28:09	16.67466	16.71375	16.64251	734.65667	734.70001	734.60003	31.07311	31.2	30.9	30.22939	30.5	29.9	19.50347	19.58955	19.42331	0.84371	1.2	0.5	22.55541	0.04158	22.55305	220424914	4020125	74
08/22/2017 17:33:10	16.67499	16.7113	16.64688	734.70001	734.70001	734.70001	30.84117	31	30.7	29.68651	30	29.5	19.50316	19.58955	19.42331	1.15466	1.5	0.9	22.63864	0.04158	22.63666	220424914	4020125	74
08/22/2017 17:38:09	16.67499	16.7113	16.64688	734.70001	734.70001	734.70001	30.84117	31	30.7	29.68651	30	29.5	19.50316	19.58955	19.42331	1.15466	1.5	0.9	22.72186	0.16634	22.71972	220424914	4020125	74
08/22/2017 17:43:09	16.67496	16.70027	16.63522	734.70001	734.70001	734.70001	30.58492	30.7	30.4	29.68991	29.9	29.5	19.48535	19.56184	19.3956	0.89501	1.09999	0.69999	22.80508	0.0219	22.80333	220424914	4020125	74
08/22/2017 17:48:09	16.67496	16.70027	16.63522	734.70001	734.70001	734.70001	30.58492	30.7	30.4	29.68991	29.9	29.5	19.48535	19.56184	19.3956	0.89501	0.99999	0.3	22.8883	0.02406	22.88638	220424914	4020125	74
08/22/2017 17:53:09	16.6754	16.70641	16.64135	734.69384	734.70001	734.60003	30.45712	30.59999	30.3	29.79155	30	29.6	19.5028	19.64497	19.42331	0.66556	0.99999	0.3	22.97151	0.02191	22.96972	220424914	4020125	74
08/22/2017 17:58:09	16.67616	16.7028	16.64327	734.60809	734.70001	734.60003	30.39663	30.59999	30.3	29.60173	30	29.3	19.55578	19.64497	19.45101	0.7949	1	0.39999	23.05472	0.02194	23.05305	220424914	4020125	74
08/22/2017 18:03:09	16.67521	16.70019	16.64265	734.60003	734.60003	734.60003	30.27304	30.5	30	29.21847	29.5	29	19.58137	19.67268	19.47872	1.05456	1.4	0.69999	23.13793	0.06344	23.13638	220424914	4020125	74
08/22/2017 18:08:09	16.67384	16.70019	16.64684	734.60003	734.60003	734.60003	30.01005	30.3	29.9	28.96805	29.1	28.8	19.60731	19.70039	19.50643	1.04199	1.3	0.89999	23.22114	0	23.22	220424914	4020125	74
08/22/2017 18:13:09	16.67282	16.69587	16.62839	734.59802	734.60003	734.5	29.88321	30	29.7	28.96805	29.1	28.8	19.60731	19.70039	19.50643	1.04199	1.4	0.8	23.30434	0.1633	23.30333	220424914	4020125	74
08/22/2017 18:18:09	16.67282	16.69587	16.62839	734.59802	734.60003	734.5	29.88321	30	29.7	28.76563	29	28.5	19.65094	19.7558	19.50643	1.11757	1.4	0.8	23.38755	0.1048	23.38638	220424914	4020125	74
08/22/2017 18:23:09	16.67593	16.71295	16.64253	734.50103	734.60003	734.5	29.63109	29.8	29.5	28.57896	28.7	28.4	19.67211	19.7558	19.56184	1.05212	1.3	0.8	23.4708	0.08286	23.47	220424914	4020125	74
08/22/2017 18:28:09	16.67501	16.70604	16.64183	734.48388	734.5	734.40002	29.46818	29.7	29.2	28.3893	28.8	28.1	19.69706	19.78351	19.61726	1.07888	1.4	0.59999	23.55405	0.10471	23.55333	220424914	4020125	74
08/22/2017 18:33:09	16.67465	16.70783	16.63132	734.42016	734.5	734.40002	29.30918	29.5	29.2	28.05132	28.2	27.8	19.67187	19.7558	19.56184	1.25785	1.5	1	23.63727	0.03862	23.63666	220424914	4020125	74
08/22/2017 18:38:09	16.67465	16.70783	16.63132	734.42016	734.5	734.40002	29.30918	29.5	29.2	28.05132	28.2	27.8	19.67187	19.7558	19.56184	1.25785	1.59999	0.99999	23.72049	0.05789	23.71972	220424914	4020125	74
08/22/2017 18:43:09	16.67557	16.70088	16.64581	734.43432	734.5	734.40002	29.1798	29.4	28.9	27.88073	28.1	27.7	19.65612	19.7558	19.56184	1.29907	1.5	0.8	23.80372	0.01927	23.80305	220424914	4020125	74
08/22/2017 18:48:09	16.67467	16.71088	16.64968	734.4262	734.5	734.40002	28.78494	29.09999	28.59999	27.46304	27.6	27.3	19.67994	19.78351	19.56184	1.3219	1.6	1.09999	23.88693	0.00901	23.88666	220424914	4020125	74
08/22/2017 18:53:09	16.67467	16.71088	16.64968	734.4262	734.5	734.40002	28.78494	29.09999	28.59999	27.46304	27.6	27.3	19.67994	19.78351	19.56184	1.3219	1.6	1.09999	23.97014	0.04126	23.96972	220424914	4020125	74
08/22/2017 18:58:09	16.67454	16.6993	16.6522	734.41613	734.5	734.40002	28.61672	28.8	28.3	27.39414	27.6	27.1	19.65029	19.72809	19.56184	1.22258	1.59999	0.8	24.0014	0	24.00055	220424914	4020125	74
08/22/2017 19:03:09	5.41615	16.6993	0	734.42163	734.5	734.40002	28.42214	28.7	28.2	27.09663	27.5	27	6.47134	19.7558	0	1.32551	1.59999	1	24.0014	0	24.00055	220424914	4020125	74
08/22/2017 19:08:09	0	0	0	734.40606	734.5	734.40002	28.24037	28.3	28.09999	26.70517	27	26.5	0	0	0	1.53519	1.7	1.2	24.0014	0	24.00055	220424914	4020125	74
08/22/2017 19:13:09	0	0	0	734.40002	734.40002	734.40002	28.01439	28.3	27.59999	26.28594	26.5	26	0	0	0	1.72845	1.9	1.49999	24.0014	0	24.00055	220424914	4020125	74
08/22/2017 19:18:09	0	0	0	734.40002	734.40002	734.40002	27.65045	27.9	27.5	25.99511	26.3	25.8	0	0	0	1.65534	2	1.59999	24.0014	0	24.00055	220424914	4020125	74
08/22/2017 19:23:09	0	0	0	734.40002	734.40002	734.40002	27.43029	27.59999	27.3	25.60519	25.8	25.4	0	0	0	1.8251	2	1.59999	24.0014	0	24.00055	220424914	4020125	74
08/22/2017 19:28:09	0	0	0	734.40002	734.40002	734.40002	27.22877	27.4	27	25.17587	25.5	24.8	0	0	0	2.0529	2.39999	1.8	24.0014	0	24.00055	220424914	4020125	74
08/22/2017 19:33:09	0	0	0	734.40808	734.5	734.40002	26.77587	26.9	26.5	24.42447	24.7	24.1	0	0	0	2.35139	2.6	2.09999	24.0014	0	24.00055	220424914	4020125	74
08/22/2017 19:38:09	0	0	0	734.40002	734.40002	734.40002	26.48837	26.8	26.3	23.99419	24.3	23.7	0	0	0	2.49418	2.8	2.19999	24.0014	0	24.00055	220424914	4020125	74
08/22/2017 19:43:09	0	0	0	734.40002	734.40002	734.40002	26.16244	26.4	25.9	23.51682	23.9	23.4	0	0	0	2.64562	2.8	2.39999	24.0014	0	24.00055	220424914	4020125	74
08/22/2017 19:48:09	0	0	0	734.40002	734.40002	734.40002	26.16244	26.4	25.9	23.51682	23.9	23.4	0	0	0	2.64562	2.8	2.39999	24.0014	0	24.00055	220424914	4020125	74
08/22/2017 19:53:09	0	0	0	734.33734	734.40002	734.29998	25.76729	25.9	25.6	23.06578	23.4	22.8	0	0	0	2.7015	2.8	2.19999	0.05159	0.03636	0.0525	220424898	4020225	74
08/22/2017 19:58:09	9.72437	16.70082	0	734.3009	734.40002	734.29998	25.27034	25.7	24.9	22.73675	23	22.5	11.1173	19.22935	0	2.53358	2.59999	1.99999	0.13499	0.04056	0.13611	220424898	4020225	74
08/22/2017 20:03:09	16.67849	16.69079	16.65545	734.38287	734.40002	734.29998	24.61868	25	24.3	22.37159	22.7	22.2	19.18204	19.28476	19.09081	2.24709	2.59999	1.99999	0.21836	0.06294	0.21916	220424898	4020225	74
08/22/2017 20:08:09	16.67534	16.7073	16.65554	734.3858	734.40002	734.29998	24.16825	24.4	23.9	22.02116	22.2	21.8	19.22317	19.36789	19.11852	2.14708	2.5	1.89999	0.30174	0.02248	0.3025	220424898	4020225	74
08/22/2017 20:13:09	16.67492	16.70098	16.6606	734.30401	734.40002	734.29998	23.6692	24	23.3	21.72691	21.8	21.6	19.25534	19.34018	19.14622	1.94228	2.2	1.6	0.38511	0.00455	0.38583	220424898	4020225	74
08/22/2017 20:18:09	16.67416	16.70474	16.6354	734.31005	734.40002	734.29998	22.80437	23.1	22.6	21.44134	21.7	21.3	19.26851	19.34018	19.20164	1.36303	1.6	0.99999	0.46849	0.14852	0.46944	220424898	4020225	74
08/22/2017 20:23:09	16.6756	16.70474	16.65682	734.30706	734.40002	734.29998	22.39512	22.7	22.2	21.40774	21.6	21.2	19.26319	19.34018	19.20164	0.98738	1.2	0.69999	0.55186	0.03577	0.55277	220424898	4020225	74
08/22/2017 20:28:09	16.6756	16.70474	16.65682	734.30706	734.40002	734.29998	22.39512	22.7	22.2	21.40774	21.6	21.2	19.26319	19.34018	19.20164	0.98738	1.2	0.69999	0.63524	0.04041	0.63583	220424898	4020225	74
08/22/2017 20:33:09	16.67571	16.70344	16.63413	734.30102	734.40002	734.29998	22.10762	22.3	21.9	21.17737	21.5	21	19.27134	19.34018	19.17393	0.93025	1.09999	0.6	0.71862	0.05813	0.71916	220424898	4020225	74
08/22/2017 20:38:09	16.67424	16.70443	16.64652	734.29998	734.29998	734.29998	21.49326	21.7	21.3	20.48658	20.6	20.3	19.31217	19.42331	19.22935	1.00667	1.2	0.8	0.80199	0.04034	0.80277	220424898	4020225	74
08/22/2017 20:43:09	16.67424	16.70443	16.64652	734.29998	734.29998	734.29998	21.49326	21.7	21.3	20.48658	20.6	20.3	19.31217	19.42331	19.22935	1.00667	1.2	0.8	0.88537	0	0.88583	220424898	4020225	74
08/22/2017 20:48:09	16.67372	16.71436	16.63885	734.29998	734.29998	734.29998	20.9953	21.3	20.8	20.32929	20.5	20	19.26518	19.36789	19.17393	0.66601	1.3	0.39999	0.96875	0	0.96944	220424898	4020225	74
08/22/2017 20:53:09	16.67372	16.71436	16.63885	734.29998	734.29998	734.29998	20.9953	21.3	20.8	20.32929	20.5	20	19.26518	19.36789	19.17393	0.66601	1.3	0.39999	1.05211	0	1.0525	220424898	4020225	74
08/22/2017 20:58:09	16.67328	16.69418	16.65783	734.31915	734.40002	734.29998	20.72027	20.9	20.4	20.24949	20.4	20.1	19.26408	19.31247	19.17393	0.47077	0.79999	0	1.13548	0.04026	1.13583	220424898	4020225	74
08/22/2017 21:03:09	16.67381	16.69279	16.65014	734.36059	734.40002	734.29998	20.49191	20.7	20.3	20.20432	20.4	20	19.27635	19.34018	19.17393	0.28758	0.7	0	1.21885	0.00507	1.21916	220424898	4020225	74
08/22/2017 21:08:09	16.67403	16.69138	16.64484	734.40002	734.40002	734.40002	20.31782	20.4	20.2	19.80633	20.1	19.5	19.28281	19.3956	19.20164	0.51148	0.7	0.29999	1.30224	0	1.3025	220424898	4020225	74
08/22/2017 21:13:09	16.67437	16.69342	16.65819	734.40002	734.40002	734.40002	19.88182	20.2	19.7	19.26738	19.5	19.1	19.3886	19.53414	19.25706	0.61444	0.9	0.39999	1.38561	0.04014	1.38611	220424898	4020225	74
08/22/2017 21:18:09	16.67422	16.69196	16.65183	734.40002	734.40002	734.40002	19.70431	19.9	19.6	19.15961	19.4	18.9	19.38441	19.45101	19.31247	0.5447	0.8	0.19999	1.46898	0.0175	1.46944	220424898	4020225	74
08/22/2017 21:23:09	16.67422	16.69196	16.65183	734.40002	734.40002	734.40002	19.70431	19.9	19.6	19.15961	19.4	18.9	19.38441	19.45101	19.31247	0.5447	0.5	0.09999	1.55235	0.12557	1.55277	220424898	4020225	74

08/22/2017 21:28:09	16.67446	16.70723	16.65819	734.3869	734.40002	734.29998	19.53226	19.7	19.2	19.30239	19.5	19.1	19.40007	19.50643	19.34018	0.24809	0.5	0.09999	1.63572	0.00531	1.63583	220424898	4020225	74
08/22/2017 21:33:09	16.67443	16.69938	16.64654	734.30603	734.40002	734.29998	19.3043	19.6	19.2	18.92891	19.2	18.7	19.42248	19.53414	19.31247	0.37538	0.59999	0.09999	1.7191	0	1.71916	220424898	4020225	74
08/22/2017 21:38:09	16.6744	16.69638	16.6563	734.29998	734.29998	734.29998	19.16944	19.5	18.9	18.66169	18.8	18.5	19.47267	19.56184	19.36789	0.50774	0.8	0.29999	1.80246	0.04551	1.8025	220424898	4020225	74
08/22/2017 21:43:09	16.67322	16.69486	16.64205	734.302	734.40002	734.29998	18.99969	19.2	18.7	18.36771	18.6	18.1	19.51451	19.64497	19.3956	0.63197	0.9	0.39999	1.88583	0.10273	1.88583	220424898	4020225	74
08/22/2017 21:48:09	16.6745	16.69816	16.64536	734.29998	734.29998	734.29998	18.79155	19.1	18.6	18.08485	18.3	17.9	19.5641	19.67268	19.47872	0.70669	0.9	0.49999	1.96921	0	1.96944	220424898	4020225	74
08/22/2017 21:53:09	16.67527	16.69177	16.65501	734.29998	734.29998	734.29998	18.5788	18.7	18.4	17.9406	18.1	17.7	19.60154	19.70039	19.47872	0.63819	0.9	0.49999	2.05259	0.00561	2.0525	220424898	4020225	74
08/22/2017 21:58:09	16.67412	16.69982	16.65501	734.29998	734.29998	734.29998	18.31711	18.4	18.1	17.61205	17.9	17.4	19.6697	19.78351	19.58955	0.70506	0.9	0.49999	2.13597	0.03426	2.13611	220424898	4020225	74
08/22/2017 22:03:09	16.67251	16.6918	16.65023	734.29998	734.29998	734.29998	18.13528	18.4	18	17.39335	17.6	17.1	19.69442	19.81122	19.58955	0.74192	1	0.49999	2.21933	0.03987	2.21944	220424898	4020225	74
08/22/2017 22:08:09	16.67251	16.6918	16.65023	734.29998	734.29998	734.29998	18.13528	18.4	18	17.39335	17.6	17.1	19.69442	19.81122	19.58955	0.74192	1	0.49999	2.30271	0.02285	2.3025	220424898	4020225	74
08/22/2017 22:13:09	16.67409	16.69329	16.65337	734.29998	734.29998	734.29998	17.72077	17.9	17.4	16.78484	17	16.5	19.75441	19.81122	19.67268	0.93593	1.2	0.6	2.38608	0.03979	2.38611	220424898	4020225	74
08/22/2017 22:18:09	16.67409	16.69329	16.65337	734.29998	734.29998	734.29998	17.72077	17.9	17.4	16.78484	17	16.5	19.75441	19.81122	19.67268	0.93593	1.2	0.6	2.46945	0.04575	2.46916	220424898	4020225	74
08/22/2017 22:23:09	16.67419	16.70057	16.659	734.20001	734.20001	734.20001	17.28094	17.4	17.2	16.71286	17	16.5	19.79559	19.89434	19.70039	0.56807	0.9	0.2	2.55283	0.017	2.55277	220424898	4020225	74
08/22/2017 22:28:09	16.67419	16.70057	16.659	734.20001	734.20001	734.20001	17.28094	17.4	17.2	16.71286	17	16.5	19.79559	19.89434	19.70039	0.56807	0.3	0	2.63621	0.02285	2.63583	220424898	4020225	74
08/22/2017 22:33:09	16.6759	16.71031	16.65276	734.20001	734.20001	734.20001	16.91449	17.1	16.7	17.11678	17.4	16.9	19.7915	19.86663	19.70039	0.20901	0.5	0	2.71958	0.06847	2.71944	220424898	4020225	74
08/22/2017 22:38:09	16.6759	16.71031	16.65276	734.20001	734.20001	734.20001	16.91449	17.1	16.7	17.11678	17.4	16.9	19.7915	19.86663	19.70039	0.20901	0.5	0	2.80298	0.07968	2.8025	220424898	4020225	74
08/22/2017 22:43:09	16.67859	16.69106	16.65754	734.20001	734.20001	734.20001	16.76739	16.9	16.6	17.01373	17.1	16.9	19.84729	19.94976	19.72809	0.24634	0.4	0.1	2.88637	0	2.88583	220424898	4020225	74
08/22/2017 22:48:09	16.67595	16.69748	16.65754	734.20001	734.20001	734.20001	16.56981	16.7	16.3	17.05973	17.3	16.9	19.8905	20.00517	19.78351	0.48992	0.8	0.3	2.96974	0	2.96944	220424898	4020225	74
08/22/2017 22:53:09	16.67605	16.69748	16.66231	734.20001	734.20001	734.20001	16.37386	16.6	16.2	16.98458	17.1	16.9	19.96427	20.06059	19.86663	0.61071	0.8	0.3	3.05312	0.03986	3.05277	220424898	4020225	74
08/22/2017 22:58:09	16.67605	16.69748	16.66231	734.20001	734.20001	734.20001	16.37386	16.6	16.2	16.98458	17.1	16.9	19.96427	20.06059	19.86663	0.61071	0.8	0.3	3.13649	0.0059	3.13583	220424898	4020225	74
08/22/2017 23:03:09	16.67494	16.70224	16.6559	734.20001	734.20001	734.20001	16.2966	16.5	16.2	16.85841	17	16.7	19.95905	20.03288	19.83893	0.56181	0.8	0.3	3.21985	0	3.21916	220424898	4020225	74
08/22/2017 23:08:09	16.67329	16.69582	16.64784	734.19897	734.20001	734.10003	16.21038	16.5	16.1	16.70674	16.9	16.5	20.00759	20.0883	19.94976	0.49636	0.8	0.2	3.30321	0.01691	3.3025	220424898	4020225	74
08/22/2017 23:13:09	16.67585	16.69501	16.65511	734.12414	734.20001	734.10003	16.12719	16.2	16	16.54871	16.8	16.4	20.04201	20.14371	19.94976	0.42152	0.5	0.19999	3.3866	0.01686	3.38611	220424898	4020225	74
08/22/2017 23:18:09	16.67585	16.69501	16.65511	734.12414	734.20001	734.10003	16.09431	16.2	16	16.40669	16.5	16.3	20.04355	20.14371	19.94976	0.31238	0.5	0.19999	3.46998	0.03976	3.46916	220424898	4020225	74
08/22/2017 23:23:09	16.67533	16.70363	16.6509	734.1336	734.20001	734.10003	16.00675	16.2	15.7	16.34498	16.5	16.2	20.06481	20.14371	19.97747	0.33823	0.7	0	3.55334	0.00783	3.5525	220424898	4020225	74
08/22/2017 23:28:09	16.67432	16.69159	16.65985	734.11511	734.20001	734.10003	15.98319	16.1	15.7	16.20673	16.3	16.1	20.08212	20.17142	19.97747	0.22354	0.6	0	3.63671	0.03977	3.63611	220424898	4020225	74
08/22/2017 23:33:09	16.67518	16.69802	16.64531	734.10003	734.10003	734.10003	15.82989	16.1	15.6	16.13731	16.3	15.9	20.10174	20.19913	19.97747	0.32085	0.6	0	3.72009	0.01681	3.71916	220424898	4020225	74
08/22/2017 23:38:09	16.67532	16.69802	16.65645	734.10003	734.10003	734.10003	15.6222	15.9	15.4	16.15711	16.4	15.9	20.13112	20.22684	20.00517	0.5349	1	0	3.80347	0.03972	3.80277	220424898	4020225	74
08/22/2017 23:43:09	16.67532	16.69802	16.65645	734.10003	734.10003	734.10003	15.6222	15.9	15.4	16.15711	16.4	15.9	20.13112	20.22684	20.00517	0.5349	1	0	3.88685	0.07938	3.88583	220424898	4020225	74
08/22/2017 23:48:09	16.67593	16.70273	16.65645	734.10003	734.10003	734.10003	15.43355	15.6	15.3	16.13025	16.3	15.9	20.15659	20.25455	20.0883	0.6967	0.9	0.3	3.97022	0.01681	3.96944	220424898	4020225	74
08/22/2017 23:53:09	16.67593	16.70273	16.65645	734.10003	734.10003	734.10003	15.43355	15.6	15.3	16.13025	16.3	15.9	20.15659	20.25455	20.0883	0.6967	0.9	0.3	4.05359	0.03972	4.0525	220424898	4020225	74
08/22/2017 23:58:09	16.67622	16.69973	16.6487	734.10003	734.10003	734.10003	15.35938	15.6	15.1	16.28395	16.4	16.1	20.15777	20.28225	20.0883	0.92457	1.19999	0.6	4.13697	0.06871	4.13611	220424898	4020225	74
08/23/2017 00:03:09	16.67622	16.69973	16.6487	734.10003	734.10003	734.10003	15.35938	15.6	15.1	16.28395	16.4	16.1	20.15777	20.28225	20.0883	0.92457	1.19999	0.6	4.22034	0.00606	4.21916	220424898	4020225	74
08/23/2017 00:08:09	16.67589	16.69973	16.6487	734.10003	734.10003	734.10003	15.20937	15.4	15	16.33499	16.5	16.2	20.18305	20.30996	20.0883	1.12561	1.3	0.9	4.30373	0.00603	4.30277	220424898	4020225	74
08/23/2017 00:13:09	16.67589	16.69973	16.6487	734.10003	734.10003	734.10003	15.20937	15.4	15	16.33499	16.5	16.2	20.18305	20.30996	20.0883	1.12561	1.3	0.9	4.38711	0.03975	4.38583	220424898	4020225	74
08/23/2017 00:18:09	16.67558	16.69973	16.65343	734.10003	734.10003	734.10003	15.16681	15.3	15	16.3171	16.5	16.2	20.26674	20.39309	20.17142	1.15029	1.4	0.9	4.47049	0.01686	4.46944	220424898	4020225	74
08/23/2017 00:23:09	16.67558	16.69973	16.65343	734.10003	734.10003	734.10003	15.16681	15.3	15	16.3171	16.5	16.2	20.26674	20.39309	20.17142	1.15029	1.4	0.9	4.55388	0	4.5525	220424898	4020225	74
08/23/2017 00:28:09	16.67604	16.71089	16.65343	734.10003	734.10003	734.10003	15.11456	15.3	14.9	16.2877	16.5	16.1	20.30858	20.4485	20.19913	1.17314	1.4	0.8	4.63726	0.03374	4.63583	220424898	4020225	74
08/23/2017 00:33:09	16.67483	16.71089	16.65343	734.09814	734.10003	734	15.06645	15.3	14.9	16.18322	16.4	16.1	20.34904	20.4485	20.28225	1.11677	1.3	0.9	4.72064	0.03973	4.71944	220424898	4020225	74
08/23/2017 00:38:09	16.67483	16.71089	16.65343	734.09814	734.10003	734	15.06645	15.3	14.9	16.18322	16.4	16.1	20.34904	20.4485	20.28225	1.11677	1.2	0.6	4.80401	0.02293	4.8025	220424898	4020225	74
08/23/2017 00:43:09	16.67529	16.69159	16.64531	734.10003	734.10003	734.10003	15.03284	15.3	14.9	15.9502	16.2	15.7	20.37716	20.4485	20.28225	0.91736	1.2	0.6	4.88737	0.06261	4.88583	220424898	4020225	74
08/23/2017 00:48:09	16.67417	16.70859	16.64479	734.10003	734.10003	734.10003	14.96306	15.1	14.8	15.35694	15.6	15.1	20.41755	20.55933	20.33767	0.39388	0.7	0.1	4.97075	0.03958	4.96944	220424898	4020225	74
08/23/2017 00:53:09	16.67417	16.70859	16.64479	734.10003	734.10003	734.10003	14.96306	15.1	14.8	15.35694	15.6	15.1	20.41755	20.55933	20.33767	0.39388	0.7	0.1	5.05414	0.02299	5.0525	220424898	4020225	74
08/23/2017 00:58:09	16.67531	16.70287	16.64946	734.01745	734.10003	734	14.86756	15	14.7	15.18177	15.5	15.1	20.47971	20.58704	20.39309	0.3142	0.6	0.1	5.13752	0.02298	5.13611	220424898	4020225	74
08/23/2017 01:03:09	16.67531	16.70287	16.64946	734.01745	734.10003	734	14.86756	15	14.7	15.18177	15.5	15.1	20.47971	20.58704	20.39309	0.3142	0.5	0.1	5.2209	0	5.21916	220424898	4020225	74
08/23/2017 01:08:09	16.67512	16.70752	16.65665	734	734	734	14.78658	14.9	14.7	15.09397	15.3	15	20.50795	20.61475	20.39309	0.30739	0.5	0.1	5.30427	0.04604	5.3025	220424898	4020225	74
08/23/2017 01:13:09	16.67498	16.7057	16.65949	734	734	734	14.65299	14.8	14.4	14.90596	15.1	14.7	20.53757	20.61475	20.4485	0.25296	0.7	0	5.38764	0.03314	5.38611	220424898	4020225	74
08/23/2017 01:18:09	16.67507	16.69642	16.65199	734	734	734	14.55888	14.8	14.4	15.12847	15.2	14.9	20.53575	20.64246	20.47621	0.56959	0.8	0.2	5.47102	0.0562	5.46944	220424898	4020225	74
08/23/2017 01:23:09	16.67507	16.69642	16.65199	734	734	734	14.55888	14.8	14.4	15.12847	15.2	14.9	20.53575	20.64246	20.47621	0.56959	0.8	0.2	5.55442	0.0792	5.5525	220424898	4020225	74
08/23/2017 01:28:09	16.67558	16.70287	16.65665	734	734	734	14.44804	14.7	14.4	15.06675	15.2	14.9	20.54659	20.69787	20.47621	0.61871	0.8	0.3	5.63778	0.02302	5.63583	220424898	4020225	74
08/23/2017 01:33:09	16.67461	16.70106	16.6484	733.99798	734	733.90002	14.3395	14.4	14.3	14.89216	15	14.7	20.61392	20.781	20.50392	0.55266	0.7	0.3	5.72115	0.07906	5.71944	220424898	4020225	74
08/23/2017 01:38:09	16.67461	16.70106	16.6484	733.99798	734	733.90002	14.3395	14.4	14.3	14.89216	15	14.7	20.61392	20.781	20.50392	0.55266	0.7	0.3	5.80451	0.03956	5.8025	220424898	4020225	74
08/23/2017 01:43:09	16.67324	16.7057	16.6484	734	734	734	14.26675	14.4	14.1	14.81971	15	14.7	20.6695	20.83641	20.50392	0.55295	0.8	0.3	5.88788	0	5.88583	220424898	4020225	74
08/23/2017 01:48:09	16.67366	16.68603	16.65093	733.90002	733.90002	733.90002	14.14592	14.3	13.9	14.86645	15	14.7	20.77584	20.89183	20.64246	0.72053	1	0.4	5.97123	0	5.96944	220424898	4020225	74
08/23/2017 01:53:09	16.67366	16.68603	16.65093	733.90002	733.90002	733.90002	14.14592	14.3	13.9	14.86645	15	14.7	20.77584	20.89183	20.64246	0.72053	1	0.5	6.05461	0	6.05277	220424898	4020225	74
08/23/2017 01:58:09	16.67383	16.70823	16.65557	733.90002	733.90002	733.90002	14.06137	14.2	13.8	14.75449	15	14.6	20.82103	20.91954	20.72558	0.69311	1	0.5	6.13797	0	6.13583	220424898	4020225	74
08/23/2017 02:03:09	16.67242	16.7064	16.6602	733.90002	733.90002	733.90002	14.01093	14.2	13.9	14.63843	14.9	14.5	20.82946	20.91954	20.72558	0.62749	0.8	0.4	6.22134	0.01646	6.21916	220424898	4020225	74
08/23/2017 02:08:09	16.67365	16.69993	16.6602	733.90002	733.90002	733.90002	13.93358	14.1	13.9	14.53024	14.7	14.4	20.8743	20.97495	20.75329	0.59665	0.8	0.4	6.3047	0	6.30277	220424898	4020225	74
08/23/2017 02:13:09	16.67382	16.69806	16.6602	733.86785	733.90002	733.79998	13.87203	14.1	13.7	14.5134	14.7	14.4	20.87032	20.94725	20.75329	0.64137	0.8	0.4	6.38806	0.0165	6.38583	220424898	4020225	74
08/23/2017 02:18:09	16.67429	16.69599	16.6581	733.80505	733.90002	733.79998	13.78283	13.9	13.6	14.49999	14.6	14.4	20.85971	20.91954	20.75329	0.71715	0.9	0.5	6.47144	0.03951	6.46944	220424898	4020225	74
08/23/2017 02:23:09	16.67584	16.7006	16.66735	733.79998	733.79998	733.79998	13.74066	13.9	13.6	14.44288	14.5	14.4	20.84115	20.94725	20.75329	0.70221	0.9	0.5	6.55481	0.03952	6.5525	220424898	4020225	74
08/23/2017 02:28:09	16.67608	16.69666	16.6588	733.76086	733.79998	733.70001	13.66274	13.8	13.5	14.40117	14.5	14.1	20.88173	21.00266	20.781	0.73843	0.9	0.5	6.63819	0.03295	6.63611	220424898	4020225	74
08/23/2017 02:33:09	16.67608	16.69666	16.6588	733.76086	733.79998	733.70001	13.66274	13.8	13.5	14.40117	14.5	14.1	20.88173	21.00266	20.781	0.73843	0.9	0.5	6.72156	0.03951	6.71916	220424898	4020225	74
08/23/2017 02:38:09	16.67543	16.69206	16.65234	733.70105	733.79998	733.70001	13.57769	13.7	13.3	14.38905	14.5	14.3	20.9086	21.03037	20.83641	0.81136	1.2	0.59999	6.80492	0.03951	6.80277	220424898	4020225	74
08/23/2017 02:43:09	16.67543	16.69206	16.65234	733.70105	733.79998	733.70001	13.57769	13.7	13.3	14.38905	14.5	14.3	20.9086	21.03037	20.83641	0.81136	1.2	0.59999	6.88829	0.01645	6.88583	220424898	4020225	74
08/23/2017 02:48:09	16.67526	16.69206	16.6588	733.70001	733.70001	733.70001	13.53522	13.7	13.2	14.42046	14.6	14.3	20.93431	21.03037	20.8087	0.88523	1.2	0.69999	6.97166	0.00983	6.96916	220424898	4020225	74
08/23/2017 02:53:09	16.67351	16.70774	16.64403	733.70001	733.70001	733.70001	13.51962	13.7	13.3	14.21524	14.4	14	20.97095	21.11349	20.86412	0.69562	1	0.4	7.05501	0.03946	7.0525	220424898	4020225	74
08/23/2017 02:58:09	16.67384	16.69666	16.6551	733.70001	733.70001	733.70001	13.50713	13.6	13.3	14.08321	14.3	13.9	21.00092	21.05807	20.89183	0.57607	1	0.4	7.13836	0.01573	7.13611	220424898	4020225	74
08/23/2017 03:03:09	16.67424	16.69666	16.6505	733.68811	733.70001	733.60003	13.38905	13.6	13.2	14.05531	14.3	13.9	21.00699	21.08578	20.89183	0.66625	1	0.4	7.22171	0	7.21916	220424898	4020225	74
08/23/2017 03:08:09	16.67491	16.69479	16.64863	733.69665	733.70001	733.60003	13.30853	13.6	13.2	14.00754	14.1	13.9	21.03334	21.11349	20.97495	0.69901	0.8	0.4	7.30508	0.02309	7.3025	220424898	4020225	74
08/23/2017 03:13:09	16.6751	16.69479	16.6597	733.68658	733.70001	733.60003	13.2244	13.3	13.1	14.02869	14.3	13.9	21.04183	21.11349	20.97495	0.80428	1.09999	0.6	7.38844	0	7.38611	220424898	4020225	74
08/23/2017 03:18:09	16.6751	16.69479	16.6597	733.68658	733.70001	733.60003	13.2244	13.3	13.1	14.02869	14.3	13.9	21.04183	21.11349	20.97495	0.80428	1.09999	0.6	7.47181	0.07876	7.46916	220424898	4020225	74

08/23/2017 03:23:09	16.67427	16.70457	16.64486	733.6911	733.70001	733.60003	13.18404	13.3	13.1	13.83587	14.1	13.5	21.03904	21.11349	20.97495	0.65183	1	0.3	7.55518	0.01623	7.5525	220424898	4020225	74
08/23/2017 03:28:09	16.67289	16.70264	16.64739	733.61212	733.70001	733.60003	13.11347	13.2	13	13.28026	13.7	13.1	21.12774	21.22433	21.00266	0.17349	0.6	0	7.63855	0.03933	7.63583	220424898	4020225	74
08/23/2017 03:33:09	16.67488	16.69873	16.65264	733.60003	733.60003	733.60003	13.09327	13.2	13	13.10576	13.2	12.9	21.16758	21.27974	21.05807	0.07494	0.2	0	7.72193	0.03933	7.71916	220424898	4020225	74
08/23/2017 03:38:09	16.6753	16.69873	16.65004	733.60003	733.60003	733.60003	12.9226	13.1	12.7	13.119	13.4	12.9	21.18121	21.27974	21.11349	0.21655	0.5	0	7.80529	0.04628	7.80277	220424898	4020225	74
08/23/2017 03:43:09	16.6753	16.69873	16.65004	733.60003	733.60003	733.60003	12.9226	13.1	12.7	13.119	13.4	12.9	21.18121	21.27974	21.11349	0.21655	0.5	0	7.88867	0	7.88583	220424898	4020225	74
08/23/2017 03:48:09	16.67528	16.69615	16.66108	733.55682	733.60003	733.5	12.81183	13.1	12.6	13.35223	13.5	13.2	21.19214	21.27974	21.11349	0.5404	0.8	0.19999	7.97204	0.06251	7.96916	220424898	4020225	74
08/23/2017 03:53:08	16.67483	16.70323	16.65257	733.5	733.5	733.5	12.7123	13	12.6	13.30272	13.5	13.1	21.20323	21.30745	21.1412	0.59042	0.7	0.4	8.05542	0.04633	8.0525	220424898	4020225	74
08/23/2017 03:58:09	16.67611	16.69673	16.65517	733.5	733.5	733.5	12.65687	12.9	12.5	13.12597	13.2	12.9	21.30121	21.39058	21.19662	0.4691	0.6	0	8.13879	0.03929	8.13583	220424898	4020225	74
08/23/2017 04:03:08	16.67607	16.70127	16.65517	733.5	733.5	733.5	12.62911	12.9	12.4	12.9716	13.2	12.8	21.32618	21.41828	21.19662	0.34248	0.6	0	8.22219	0.04633	8.21916	220424898	4020225	74
08/23/2017 04:08:09	16.67516	16.70127	16.64868	733.5	733.5	733.5	12.54253	12.7	12.4	12.8817	13.1	12.8	21.34926	21.44599	21.19662	0.33917	0.6	0.19999	8.30562	0.03933	8.3025	220424898	4020225	74
08/23/2017 04:13:08	16.67353	16.69278	16.65321	733.5	733.5	733.5	12.50156	12.6	12.4	12.79324	13.1	12.6	21.38658	21.5014	21.30745	0.29167	0.5	0	8.38905	0.07857	8.38583	220424898	4020225	74
08/23/2017 04:18:09	16.67425	16.69929	16.65773	733.5	733.5	733.5	12.37679	12.5	12.1	12.79022	12.9	12.6	21.41018	21.4737	21.33516	0.41343	0.69999	0.1	8.4725	0.02319	8.46944	220424898	4020225	74
08/23/2017 04:23:09	16.67425	16.69929	16.65773	733.5	733.5	733.5	12.37679	12.5	12.1	12.79022	12.9	12.6	21.41018	21.4737	21.33516	0.41343	0.69999	0.1	8.55591	0.06247	8.5525	220424898	4020225	74
08/23/2017 04:28:08	16.67543	16.69278	16.65321	733.5	733.5	733.5	12.34553	12.5	12.1	12.65657	12.8	12.5	21.42505	21.5014	21.36287	0.31103	0.69999	0.1	8.63932	0.00888	8.63583	220424898	4020225	74
08/23/2017 04:33:09	16.67537	16.7018	16.65373	733.5	733.5	733.5	12.25559	12.4	12	12.52304	12.7	12.2	21.4607	21.55682	21.36287	0.28087	0.6	0.09999	8.72276	0.00903	8.71916	220424898	4020225	74
08/23/2017 04:38:08	16.67474	16.69729	16.66024	733.49798	733.5	733.40002	12.12753	12.3	12	12.5306	12.7	12.3	21.49534	21.58453	21.41828	0.40307	0.6	0	8.8062	0	8.8025	220424898	4020225	74
08/23/2017 04:43:09	16.67504	16.69782	16.65626	733.41314	733.5	733.40002	12.04069	12.3	12	12.39914	12.6	12.2	21.54025	21.61224	21.4737	0.35845	0.6	0	8.88964	0	8.88611	220424898	4020225	74
08/23/2017 04:48:09	16.67558	16.70884	16.64526	733.40002	733.40002	733.40002	12.00337	12.1	11.8	12.36916	12.5	12.1	21.56361	21.69536	21.4737	0.36579	0.5	0.1	8.97305	0.00879	8.96944	220424898	4020225	74
08/23/2017 04:53:09	16.67607	16.70884	16.64526	733.40002	733.40002	733.40002	11.96546	12.1	11.8	12.39805	12.6	12.2	21.57903	21.63995	21.5014	0.43259	0.7	0.2	9.05645	0.03206	9.05277	220424898	4020225	74
08/23/2017 04:58:09	16.67523	16.69782	16.65176	733.40002	733.40002	733.40002	11.90759	12.1	11.7	12.46633	12.6	12.2	21.59926	21.69536	21.4737	0.55873	0.8	0.2	9.13987	0.03926	9.13611	220424898	4020225	74
08/23/2017 05:03:08	16.67523	16.69782	16.65176	733.40002	733.40002	733.40002	11.90759	12.1	11.7	12.46633	12.6	12.2	21.59926	21.69536	21.4737	0.55873	0.8	0.2	9.22328	0.02323	9.21916	220424898	4020225	74
08/23/2017 05:08:08	16.67534	16.69782	16.64975	733.40002	733.40002	733.40002	11.86056	12	11.7	12.32543	12.6	12.1	21.58778	21.66766	21.4737	0.46487	0.8	0.2	9.30671	0.03921	9.3025	220424898	4020225	74
08/23/2017 05:13:09	16.67682	16.69782	16.64526	733.40002	733.40002	733.40002	11.76454	11.9	11.5	12.25514	12.6	12.1	21.65621	21.72307	21.55682	0.4906	0.8	0.3	9.39013	0.0304	9.38611	220424898	4020225	74
08/23/2017 05:18:08	16.67682	16.69782	16.64526	733.40002	733.40002	733.40002	11.76454	11.9	11.5	12.25514	12.6	12.1	21.65621	21.72307	21.55682	0.4906	0.8	0.3	9.47356	0.03924	9.46916	220424898	4020225	74
08/23/2017 05:23:08	16.6759	16.69782	16.64526	733.40307	733.5	733.40002	11.73027	11.8	11.5	12.28075	12.5	12.1	21.61255	21.72307	21.52911	0.55047	0.8	0.3	9.55699	0.05533	9.5525	220424898	4020225	74
08/23/2017 05:28:09	16.67377	16.70381	16.64924	733.40002	733.40002	733.40002	11.63612	11.8	11.4	12.69124	13.1	12.5	21.68412	21.80619	21.58453	1.05511	1.4	0.7	9.64044	0	9.63611	220424898	4020225	74
08/23/2017 05:33:08	16.67377	16.70381	16.64924	733.40002	733.40002	733.40002	11.63612	11.8	11.4	12.69124	13.1	12.5	21.68412	21.80619	21.58453	1.05511	1.4	0.7	9.72385	0.00917	9.71916	220424898	4020225	74
08/23/2017 05:38:09	16.67435	16.69277	16.65121	733.40002	733.40002	733.40002	11.62193	11.8	11.4	12.82927	13.1	12.6	21.69278	21.80619	21.58453	1.20734	1.5	1	9.80726	0.03934	9.80277	220424898	4020225	74
08/23/2017 05:43:08	16.67435	16.69277	16.65121	733.40002	733.40002	733.40002	11.62193	11.8	11.4	12.82927	13.1	12.6	21.69278	21.80619	21.58453	1.20734	1.5	1	9.89067	0.03934	9.88583	220424898	4020225	74
08/23/2017 05:48:08	16.67403	16.6908	16.65121	733.40002	733.40002	733.40002	11.62269	11.8	11.4	12.82728	13.1	12.7	21.73033	21.80619	21.63995	1.20458	1.5	1	9.9741	0.01612	9.96916	220424898	4020225	74
08/23/2017 05:53:09	16.67479	16.69333	16.64472	733.31213	733.40002	733.29998	11.65188	11.8	11.4	12.78318	12.9	12.6	21.78554	21.86161	21.69536	1.13129	1.4	0.8	10.0575	0.03222	10.05277	220424898	4020225	74
08/23/2017 05:58:08	16.67479	16.69333	16.64472	733.31213	733.40002	733.29998	11.65188	11.8	11.4	12.78318	12.9	12.6	21.78554	21.86161	21.69536	1.13129	1.4	0.8	10.14093	0.03927	10.13583	220424898	4020225	74
08/23/2017 06:03:08	16.67397	16.6908	16.64924	733.37848	733.40002	733.29998	11.66165	11.8	11.4	12.67342	12.9	12.5	21.79232	21.88932	21.72307	1.01177	1.4	0.8	10.22436	0.02319	10.21916	220424898	4020225	74
08/23/2017 06:08:08	16.67366	16.69531	16.65121	733.40002	733.40002	733.40002	11.65991	11.8	11.4	12.65414	12.8	12.5	21.79256	21.86161	21.72307	0.99422	1.4	0.8	10.30779	0.01612	10.3025	220424898	4020225	74
08/23/2017 06:13:09	16.67525	16.69531	16.64021	733.4472	733.5	733.40002	11.65961	11.8	11.4	12.65921	12.8	12.5	21.79316	21.86161	21.69536	0.99959	1.4	0.7	10.39121	0	10.38611	220424898	4020225	74
08/23/2017 06:18:08	16.67525	16.69531	16.64021	733.4472	733.5	733.40002	11.65961	11.8	11.4	12.65921	12.8	12.5	21.79316	21.86161	21.69536	0.99959	1.4	0.7	10.47463	0	10.46916	220424898	4020225	74
08/23/2017 06:23:08	16.67596	16.69278	16.64671	733.49597	733.5	733.40002	11.67181	11.8	11.4	12.66364	12.8	12.5	21.79564	21.86161	21.66766	0.99182	1.4	0.8	10.55806	0	10.5525	220424898	4020225	74
08/23/2017 06:28:09	16.67634	16.69729	16.65123	733.5	733.5	733.5	11.69935	11.8	11.4	12.61812	12.8	12.5	21.84083	21.91703	21.75078	0.91877	1.4	0.7	10.64146	0.05539	10.63611	220424898	4020225	74
08/23/2017 06:33:08	16.67634	16.69729	16.65123	733.5	733.5	733.5	11.69935	11.8	11.4	12.61812	12.8	12.5	21.84083	21.91703	21.75078	0.91877	1.4	0.7	10.72486	0.03927	10.71916	220424898	4020225	74
08/23/2017 06:38:08	16.67562	16.69729	16.65123	733.50103	733.60003	733.5	11.66012	11.8	11.4	12.65016	12.8	12.5	21.83353	21.94473	21.75078	0.99003	1.3	0.8	10.80828	0.03925	10.8025	220424898	4020225	74
08/23/2017 06:43:08	16.67557	16.7038	16.64923	733.5	733.5	733.5	11.63843	11.8	11.4	12.58441	12.8	12.3	21.82778	21.91703	21.75078	0.94597	1.4	0.6	10.8917	0.04643	10.88583	220424898	4020225	74
08/23/2017 06:48:08	16.67322	16.69528	16.64273	733.5	733.5	733.5	11.6314	11.8	11.4	12.42602	12.6	12.2	21.86082	21.94473	21.77848	0.79462	1.1	0.6	10.97511	0	10.96916	220424898	4020225	74
08/23/2017 06:53:08	16.67498	16.7063	16.65373	733.5	733.5	733.5	11.58882	11.8	11.4	12.19118	12.5	12.1	21.91985	22.00015	21.8339	0.60236	1	0.3	11.0585	0.01598	11.05277	220424898	4020225	74
08/23/2017 06:58:08	16.67498	16.7063	16.65373	733.5	733.5	733.5	11.58882	11.8	11.4	12.19118	12.5	12.1	21.91985	22.00015	21.8339	0.60236	1	0.3	11.1419	0.02324	11.13583	220424898	4020225	74
08/23/2017 07:03:08	16.67483	16.69122	16.65569	733.53405	733.60003	733.5	11.61582	11.7	11.4	12.11011	12.2	12	21.93249	22.02786	21.86161	0.49428	0.8	0.3	11.22531	0	11.21916	220424898	4020225	74
08/23/2017 07:08:08	16.67569	16.6952	16.65569	733.60003	733.60003	733.60003	11.5269	11.7	11.3	12.15926	12.3	12.1	21.94733	22.05556	21.8339	0.63235	0.9	0.4	11.30875	0.01602	11.30277	220424898	4020225	74
08/23/2017 07:13:08	16.67569	16.6952	16.65569	733.60003	733.60003	733.60003	11.5269	11.7	11.3	12.15926	12.3	12.1	21.94733	22.05556	21.8339	0.63235	0.9	0.4	11.39217	0.01597	11.38583	220424898	4020225	74
08/23/2017 07:18:08	16.67497	16.6952	16.64917	733.60205	733.70001	733.60003	11.49322	11.7	11.4	12.15755	12.3	12	21.97011	22.02786	21.88932	0.66432	0.8	0.4	11.4756	0.00724	11.46916	220424898	4020225	74
08/23/2017 07:23:08	16.6757	16.6952	16.65569	733.60809	733.70001	733.60003	11.56377	11.8	11.4	12.16105	12.3	12	22.00641	22.11098	21.91703	0.59728	0.9	0.3	11.55902	0.03922	11.5525	220424898	4020225	74
08/23/2017 07:28:08	16.674	16.70122	16.64867	733.65905	733.70001	733.60003	11.55778	11.8	11.4	12.24092	12.5	12.1	22.00545	22.11098	21.88932	0.68314	1.1	0.4	11.64246	0.03921	11.63583	220424898	4020225	74
08/23/2017 07:33:08	16.67471	16.70122	16.65718	733.69433	733.70001	733.60003	11.58258	11.8	11.4	12.32356	12.5	12.2	22.00528	22.11098	21.88932	0.74097	1.1	0.4	11.72587	0.03923	11.71916	220424898	4020225	74
08/23/2017 07:38:08	16.67645	16.69021	16.65718	733.69598	733.70001	733.60003	11.68934	11.8	11.4	12.46975	12.6	12.2	22.0128	22.11098	21.88932	0.7804	1.2	0.5	11.8093	0.03216	11.8025	220424898	4020225	74
08/23/2017 07:43:08	16.67524	16.69873	16.65266	733.70001	733.70001	733.70001	11.82281	12	11.7	12.64023	12.8	12.5	22.01632	22.11098	21.88932	0.81742	1.09999	0.6	11.89273	0.0232	11.88611	220424898	4020225	74
08/23/2017 07:48:08	16.67432	16.6877	16.64815	733.70001	733.70001	733.70001	11.88124	12	11.8	12.651	12.8	12.6	21.96393	22.08327	21.8339	0.76976	1	0.6	11.9762	0	11.96944	220424898	4020225	74
08/23/2017 07:53:08	16.67432	16.6877	16.64815	733.70001	733.70001	733.70001	11.88124	12	11.8	12.651	12.8	12.6	21.96393	22.08327	21.8339	0.76976	1	0.6	12.05965	0	12.0525	220424898	4020225	74
08/23/2017 07:58:08	16.67435	16.70469	16.65211	733.79998	733.79998	733.79998	12.0369	12.3	11.9	12.87249	13.1	12.6	21.89055	22.00015	21.77848	0.83559	1.1	0.5	12.14307	0	12.13611	220424898	4020225	74
08/23/2017 08:03:08	16.67435	16.70469	16.65211	733.79998	733.79998	733.79998	12.0369	12.3	11.9	12.87249	13.1	12.6	21.89055	22.00015	21.77848	0.83559	1.2	0.8	12.22649	0	12.21916	220424898	4020225	74
08/23/2017 08:08:08	16.67419	16.69366	16.65601	733.79998	733.79998	733.79998	12.07247	12.3	12	13.08191	13.2	12.9	21.86095	22.00015	21.77848	1.00944	1.2	0.8	12.30993	0.03933	12.3025	220424898	4020225	74
08/23/2017 08:13:08	16.67516	16.69366	16.65803	733.82116	733.90002	733.79998	12.32683	12.4	12.1	13.16444	13.3	13.1	21.87682	22.00015	21.77848	0.83761	1.19999	0.7	12.39337	0.0484	12.38611	220424898	4020225	74
08/23/2017 08:18:08	16.67516	16.69366	16.65803	733.82116	733.90002	733.79998	12.32683	12.4	12.1	13.16444	13.3	13.1	21.87682	22.00015	21.77848	0.83761	1.19999	0.7	12.47677	0.05555	12.46916	220424898	4020225	74
08/23/2017 08:23:08	16.6743	16.69366	16.64758	733.83685	733.90002	733.79998	12.40942	12.6	12.3	13.13554	13.3	12.9	21.87508	21.97244	21.80619	0.72612	0.9	0.5	12.56021	0.02309	12.5525	220424898	4020225	74
08/23/2017 08:28:08	16.67483	16.69888	16.6398	733.89703	733.90002	733.79998	12.46246	12.6	12.3	13.64022	13.9	13.2	21.83475	21.97244	21.75078	1.17775	1.5	0.8	12.64364	0.01633	12.63583	220424898	4020225	74
08/23/2017 08:33:08	16.67343	16.69239	16.65085	733.90002	733.90002	733.90002	12.55238	12.6	12.4	13.68714	14	13.4	21.83716	21.97244	21.75078	1.13476	1.5	1.09999	12.72708	0.10198	12.71916	220424898	4020225	74
08/23/2017 08:38:08	16.6758	16.69888	16.65463	733.90002	733.90002	733.90002	12.64366	12.7	12.5	13.92082	14.1	13.7	21.83697	21.94473	21.75078	1.27716	1.5	1.09999	12.81051	0.04929	12.8025	220424898	4020225	74
08/23/2017 08:43:08	16.6745	16.69806	16.6602	733.90301	734	733.90002	12.97317	13.1	12.7	14.47387	14.7	14.4	21.86563	22.00015	21.75078	1.5007	1.7	1.3	12.89393	0.05601	12.88611	220424898	4020225	74
08/23/2017 08:48:08	16.6745	16.69806	16.6602	733.90301	734	733.90002	12.97317	13.1	12.7	14.47387	14.7	14.4	21.86563	22.00015	21.75078	1.5007	1.7	1.3	12.97736	0.07916	12.96916	220424898	4020225	74
08/23/2017 08:53:08	16.67533	16.70454	16.64291	733.94397	734	733.90002	13.0993	13.3	13	14.46358	14.9	14.1	21.83495	21.94473	21.75078	1.36427	1.8	1	13.06079	0.03958	13.0525	220424898	4020225	74
08/23/2017 08:58:08	16.67482	16.70752	16.6502	733.99633	734	733.90002	13.26511	13.6	13.1	14.96717	15.1	14.9	21.80333	21.91703	21.69536	1.70206	1.9	1.3	13.14419	0.08559	13.13583	220424898	4020225	74
08/23/2017 09:03:08	16.67594	16.70177	16.65552	734.00201	734.10003	734	13.70466	13.9	13.6	15.60942	15.8	15.2	21.73279	21.8339	21.66766	1.90475	2.19999	1.4	13.22759	0.0167	13.21944	220424898	4020225	74
08/23/2017 09:08:08	16.67594	16.70177	16.65552	734.00201	734.10003	734	13.70466	13.9	13.6	15.60942	15.8	15.2	21.73279	21.8339	21.66766	1.90475	2	1.5	13.311	0.0397	13.30277	220424898	4020225	74
08/23/2017 09:13:08	16.67509	16.70353	16.65255	734	734	734	14.05824	14.3	13.8	15.78312	16.1	15.5	21.77892	21.86161	21.66766	1.72489	2	1.5	13.39441	0	13.38583	220424898	4020225	74

08/23/2017 09:18:08	16.67525	16.70273	16.65002	734.10003	734.10003	734.10003	14.6435	14.9	14.3	16.0451	16.2	15.8	21.77887	21.8339	21.69536	1.4016	1.8	1	13.4778	0.01058	13.46944	220424898	4020225	74
08/23/2017 09:23:08	16.67525	16.70273	16.65002	734.10003	734.10003	734.10003	14.6435	14.9	14.3	16.0451	16.2	15.8	21.77887	21.8339	21.69536	1.4016	1.8	1	13.56122	0.03369	13.5525	220424898	4020225	74
08/23/2017 09:28:08	16.67586	16.70786	16.65037	734.10003	734.10003	734.10003	15.16701	15.4	15	16.42325	16.8	16.1	21.76433	21.86161	21.63995	1.25623	1.6	0.9	13.64467	0.01694	13.63611	220424898	4020225	74
08/23/2017 09:33:08	16.67559	16.70786	16.64784	734.10711	734.20001	734.10003	15.42666	15.7	15.1	16.70458	17	16.2	21.73146	21.86161	21.63995	1.27791	1.7	0.5	13.72808	0.05683	13.71944	220424898	4020225	74
08/23/2017 09:38:08	16.67559	16.70786	16.64784	734.10711	734.20001	734.10003	15.42666	15.7	15.1	16.70458	17	16.2	21.73146	21.86161	21.63995	1.27791	1.7	0.5	13.8115	0.00589	13.8025	220424898	4020225	74
08/23/2017 09:43:08	16.67583	16.70224	16.6559	734.17889	734.20001	734.10003	16.071	16.2	15.9	16.93409	17.1	16.7	21.70912	21.77848	21.61224	0.86308	1	0.59999	13.89492	0.03985	13.88611	220424898	4020225	74
08/23/2017 09:48:08	16.67583	16.70224	16.6559	734.17889	734.20001	734.10003	16.071	16.2	15.9	16.93409	17.1	16.7	21.70912	21.77848	21.61224	0.86308	1	0.59999	13.97836	0.0399	13.96916	220424898	4020225	74
08/23/2017 09:53:08	16.67692	16.71516	16.65596	734.20465	734.29998	734.20001	16.606	16.7	16.2	17.60058	17.9	17.4	21.6639	21.77848	21.55682	0.99458	1.4	0.8	14.06177	0.04902	14.05277	220424898	4020225	74
08/23/2017 09:58:08	16.67692	16.71516	16.65596	734.20465	734.29998	734.20001	16.606	16.7	16.2	17.60058	17.9	17.4	21.6639	21.77848	21.55682	0.99458	1.4	0.8	14.14517	0.09724	14.13583	220424898	4020225	74
08/23/2017 10:03:08	16.67553	16.70552	16.65501	734.29089	734.29998	734.20001	17.18111	17.3	16.9	18.04756	18.3	17.7	21.56639	21.69536	21.44599	0.86645	1.1	0.6	14.22857	0.04002	14.21944	220424898	4020225	74
08/23/2017 10:08:08	16.67553	16.70552	16.65501	734.29089	734.29998	734.20001	17.18111	17.3	16.9	18.04756	18.3	17.7	21.56639	21.69536	21.44599	0.86645	1.3	0.4	14.31197	0.05732	14.30277	220424898	4020225	74
08/23/2017 10:13:08	16.67532	16.70609	16.64205	734.29998	734.29998	734.29998	17.4756	17.8	17.2	18.31862	18.6	18.1	21.55193	21.63995	21.44599	0.84302	1.3	0.4	14.39538	0.01734	14.38583	220424898	4020225	74
08/23/2017 10:18:08	16.67445	16.69638	16.64993	734.29998	734.29998	734.29998	17.8114	18	17.7	18.62208	18.8	18.3	21.57773	21.63995	21.44599	0.81068	1.09999	0.5	14.47878	0.08553	14.46916	220424898	4020225	74
08/23/2017 10:23:08	16.67538	16.70576	16.64165	734.29998	734.29998	734.29998	18.40607	18.6	18.3	19.1289	19.3	18.9	21.55418	21.61224	21.4737	0.72283	0.9	0.4	14.56218	0	14.55277	220424898	4020225	74
08/23/2017 10:28:08	16.67516	16.70377	16.64165	734.29998	734.29998	734.29998	18.40607	18.6	18.3	19.1289	19.3	18.9	21.55418	21.61224	21.4737	0.72283	0.9	0.5	14.64559	0.06285	14.63611	220424898	4020225	74
08/23/2017 10:33:08	16.67516	16.70377	16.64836	734.3161	734.40002	734.29998	18.64086	18.9	18.4	19.33603	19.7	19.1	21.50013	21.61224	21.39058	0.69517	0.9	0.5	14.72901	0.02771	14.71916	220424898	4020225	74
08/23/2017 10:38:08	16.67691	16.71013	16.65089	734.32116	734.40002	734.29998	18.97303	19.1	18.7	19.52255	19.8	19.4	21.46899	21.58453	21.30745	0.54952	1.09999	0.3	14.81243	0.04021	14.8025	220424898	4020225	74
08/23/2017 10:43:08	16.67484	16.69532	16.64877	734.302	734.40002	734.29998	19.5597	19.8	19.3	19.97778	20.1	19.7	21.48415	21.55682	21.41828	0.41808	0.8	0.19999	14.89586	0.10312	14.88611	220424898	4020225	74
08/23/2017 10:48:08	16.67484	16.69532	16.64877	734.302	734.40002	734.29998	19.5597	19.8	19.3	19.97778	20.1	19.7	21.48415	21.55682	21.41828	0.41808	0.8	0.19999	14.97929	0.0403	14.96916	220424898	4020225	74
08/23/2017 10:53:08	16.67538	16.69175	16.63885	734.29998	734.29998	734.29998	19.77484	20.1	19.6	20.19165	20.5	20	21.54547	21.66766	21.44599	0.4168	0.7	0.2	15.06268	0.04519	15.0525	220424898	4020225	74
08/23/2017 10:58:08	16.67557	16.69945	16.65014	734.29998	734.29998	734.29998	20.36764	20.5	20.2	20.4521	20.7	20.1	21.61249	21.77848	21.5014	0.11801	0.29999	0	15.14608	0.08064	15.13611	220424898	4020225	74
08/23/2017 11:03:08	16.67557	16.69945	16.65014	734.29998	734.29998	734.29998	20.36764	20.5	20.2	20.4521	20.7	20.1	21.61249	21.77848	21.5014	0.11801	0.29999	0	15.22949	0.01785	15.21916	220424898	4020225	74
08/23/2017 11:08:08	16.676	16.70344	16.65048	734.31378	734.40002	734.29998	20.88449	21	20.7	21.14845	21.3	21	21.63859	21.75078	21.4737	0.26396	0.4	0	15.31289	0.02253	15.30277	220424898	4020225	74
08/23/2017 11:13:08	16.676	16.70344	16.65048	734.31378	734.40002	734.29998	20.88449	21	20.7	21.14845	21.3	21	21.63859	21.75078	21.4737	0.26396	0.4	0	15.39628	0.02253	15.38583	220424898	4020225	74
08/23/2017 11:18:08	16.67504	16.69712	16.64674	734.30603	734.40002	734.29998	21.16361	21.4	20.9	21.24091	21.5	21	21.70063	21.80619	21.58453	0.11088	0.5	0	15.47968	0.04046	15.46916	220424898	4020225	74
08/23/2017 11:23:08	16.67603	16.71992	16.6568	734.29998	734.29998	734.29998	21.40127	21.6	21.3	21.48662	22.1	21.1	21.71318	21.80619	21.61224	0.17265	0.6	0	15.56309	0.03627	15.5525	220424898	4020225	74
08/23/2017 11:28:08	16.67438	16.69962	16.6466	734.30304	734.40002	734.29998	21.62138	21.7	21.4	22.31022	22.5	22.1	21.69846	21.77848	21.61224	0.68884	1	0.4	15.64651	0	15.63583	220424898	4020225	74
08/23/2017 11:33:08	16.67538	16.70712	16.63131	734.29998	734.29998	734.29998	22.26386	22.5	22.1	22.69344	23	22.4	21.76446	21.86161	21.69536	0.43631	0.8	0.09999	15.72993	0	15.71944	220424898	4020225	74
08/23/2017 11:38:08	16.67538	16.70712	16.63131	734.29998	734.29998	734.29998	22.26386	22.5	22.1	22.69344	23	22.4	21.76446	21.86161	21.69536	0.43631	0.49999	0	15.81336	0.0768	15.80277	220424898	4020225	74
08/23/2017 11:43:08	16.67511	16.69841	16.65798	734.30096	734.40002	734.29998	22.58239	22.8	22.2	22.39251	22.7	22.1	21.82804	21.91703	21.72307	0.20731	0.49999	0	15.89678	0	15.88583	220424898	4020225	74
08/23/2017 11:48:08	16.67405	16.7083	16.64613	734.2843	734.29998	734.20001	23.13339	23.3	22.8	23.1651	23.5	23	21.8839	21.97244	21.77848	0.1967	0.6	0	15.98018	0	15.96944	220424898	4020225	74
08/23/2017 11:53:08	16.67405	16.7083	16.64613	734.2843	734.29998	734.20001	23.13339	23.3	22.8	23.1651	23.5	23	21.8839	21.97244	21.77848	0.1967	0.6	0	16.06357	0.04073	16.0525	220424898	4020225	74
08/23/2017 11:58:08	16.67495	16.7077	16.64834	734.25506	734.29998	734.20001	23.75466	24	23.5	23.70194	23.9	23.5	21.90039	21.97244	21.8339	0.13326	0.4	0	16.14699	0.07637	16.13611	220424898	4020225	74
08/23/2017 12:03:08	16.67495	16.7077	16.64834	734.25506	734.29998	734.20001	23.75466	24	23.5	23.70194	23.9	23.5	21.90039	21.97244	21.8339	0.13326	0.4	0	16.23042	0.1002	16.21916	220424898	4020225	74
08/23/2017 12:08:08	16.67651	16.70094	16.64113	734.24285	734.29998	734.20001	24.29371	24.5	24	24.28415	24.6	24.1	21.89832	21.97244	21.8339	0.11406	0.3	0	16.31386	0.02227	16.30277	220424898	4020225	74
08/23/2017 12:13:08	16.67651	16.70094	16.64113	734.24285	734.29998	734.20001	24.29371	24.5	24	24.28415	24.6	24.1	21.89832	21.97244	21.8339	0.11406	0.3	0	16.39722	0.07809	16.38583	220424898	4020225	74
08/23/2017 12:18:08	16.67678	16.70253	16.62967	734.27313	734.29998	734.20001	24.8918	25.1	24.7	24.68592	25.2	24.3	21.91562	22.02786	21.8339	0.26338	0.7	0	16.48045	0	16.46944	220424898	4020225	74
08/23/2017 12:23:08	16.67678	16.70253	16.62967	734.27313	734.29998	734.20001	24.8918	25.1	24.7	24.68592	25.2	24.3	21.91562	22.02786	21.8339	0.26338	0.7	0	16.56366	0.04094	16.5525	220424898	4020225	74
08/23/2017 12:28:08	16.67562	16.70507	16.6379	734.27075	734.29998	734.20001	25.4601	25.7	25.2	24.90497	25.2	24.7	22.01117	22.08327	21.91703	0.55513	0.9	0.09999	16.64687	0.04448	16.63611	220424898	4020225	74
08/23/2017 12:33:08	16.6759	16.708	16.65132	734.21276	734.29998	734.20001	25.70605	25.9	25.6	25.37181	25.9	25.1	21.98152	22.08327	21.86161	0.34464	0.69999	0	16.73009	0.04435	16.71944	220424898	4020225	74
08/23/2017 12:38:08	16.6759	16.708	16.65132	734.21276	734.29998	734.20001	25.70605	25.9	25.6	25.37181	25.9	25.1	21.98152	22.08327	21.86161	0.34464	0.69999	0	16.8133	0.00327	16.8025	220424898	4020225	74
08/23/2017 12:43:08	16.67553	16.69835	16.64071	734.22015	734.29998	734.20001	25.86503	26.2	25.7	25.90113	26.1	25.7	21.93403	22.05556	21.77848	0.13693	0.4	0	16.8965	0.06003	16.88583	220424898	4020225	74
08/23/2017 12:48:08	16.67584	16.69835	16.65224	734.20672	734.29998	734.20001	26.21515	26.4	25.9	26.0048	26.4	25.8	21.96184	22.05556	21.8339	0.23185	0.5	0	16.97971	0.06329	16.96916	220424898	4020225	74
08/23/2017 12:53:08	16.67599	16.70014	16.64778	734.20098	734.29998	734.20001	26.45564	26.7	26.3	26.34816	26.5	25.9	21.94028	22.05556	21.8339	0.12092	0.49999	0	17.06292	0.02207	17.0525	220424898	4020225	74
08/23/2017 12:58:08	16.67603	16.70356	16.64243	734.20001	734.20001	734.20001	26.74754	26.9	26.5	26.7937	27.3	26.5	21.92268	22.02786	21.77848	0.21428	0.5	0	17.14612	0.03111	17.13583	220424898	4020225	74
08/23/2017 13:03:08	16.67573	16.69736	16.63951	734.19348	734.20001	734.10003	26.95317	27.1	26.8	27.1652	27.5	26.7	21.90501	22.05556	21.77848	0.22545	0.5	0	17.22933	0.08535	17.21916	220424898	4020225	74
08/23/2017 13:08:08	16.67537	16.71833	16.64181	734.18017	734.20001	734.10003	27.51729	27.7	27.3	27.73764	28.1	27.3	21.91819	22.00015	21.86161	0.24721	0.6	0	17.31255	0.04131	17.30277	220424898	4020225	74
08/23/2017 13:13:08	16.67537	16.71833	16.64181	734.18017	734.20001	734.10003	27.51729	27.7	27.3	27.73764	28.1	27.3	21.91819	22.00015	21.86161	0.24721	0.6	0	17.39575	0.04403	17.38583	220424898	4020225	74
08/23/2017 13:18:08	16.67436	16.69766	16.64723	734.16577	734.20001	734.10003	27.81905	28	27.59999	27.86833	28.1	27.6	21.92085	22.00015	21.8339	0.14032	0.3	0	17.47896	0.02199	17.46916	220424898	4020225	74
08/23/2017 13:23:08	16.6754	16.69766	16.65593	734.10205	734.20001	734.10003	28.25846	28.59999	28.09999	27.74835	28.1	27.3	21.94068	22.05556	21.8339	0.51012	0.9	0.19999	17.56216	0	17.55277	220424898	4020225	74
08/23/2017 13:28:08	16.6754	16.69766	16.65593	734.10205	734.20001	734.10003	28.25846	28.59999	28.09999	27.74835	28.1	27.3	21.94068	22.05556	21.8339	0.51012	0.9	0.19999	17.64537	0	17.63583	220424898	4020225	74
08/23/2017 13:33:08	16.67558	16.7023	16.64976	734.10003	734.10003	734.10003	28.53275	28.7	28.3	28.03105	28.3	27.6	21.9349	22.02786	21.8339	0.50169	0.89999	0.19999	17.72858	0.02198	17.71916	220424898	4020225	74
08/23/2017 13:38:08	16.67595	16.69985	16.65811	734.09497	734.10003	734	28.90337	29.2	28.7	28.57221	28.9	28.2	21.88336	22.00015	21.77848	0.33116	0.7	0	17.81178	0.06345	17.80277	220424898	4020225	74
08/23/2017 13:43:08	16.67595	16.69985	16.65811	734.09497	734.10003	734	28.90337	29.2	28.7	28.57221	28.9	28.2	21.88336	22.00015	21.77848	0.33116	0.7	0	17.89499	0	17.88583	220424898	4020225	74
08/23/2017 13:48:08	16.67438	16.69438	16.654	734.099	734.10003	734	29.31128	29.5	29.2	28.91326	29.1	28.7	21.84772	21.94473	21.69536	0.39801	0.7	0.09999	17.97819	0	17.96944	220424898	4020225	74
08/23/2017 13:53:08	16.6754	16.68822	16.65811	734.09295	734.10003	734	29.46232	29.7	29.3	28.67014	29	28.3	21.83257	21.97244	21.75078	0.79218	1.2	0.4	18.06139	0.08296	18.05277	220424898	4020225	74
08/23/2017 13:58:08	16.6754	16.68822	16.65811	734.09295	734.10003	734	29.46232	29.7	29.3	28.67014	29	28.3	21.83257	21.97244	21.75078	0.79218	1.2	0.4	18.14461	0.00233	18.13583	220424898	4020225	74
08/23/2017 14:03:08	16.67606	16.71835	16.64103	734.05316	734.10003	734	29.68367	29.8	29.5	28.86616	29.3	28.4	21.83691	21.94473	21.72307	0.81751	1.3	0.2	18.22781	0.04155	18.21916	220424898	4020225	74
08/23/2017 14:08:08	16.67512	16.69893	16.65718	734.00506	734.10003	734	29.80021	30	29.7	29.3354	29.6	29.1	21.78136	21.86161	21.69536	0.46481	0.8	0.09999	18.31102	0.00449	18.3025	220424898	4020225	74
08/23/2017 14:13:08	16.67408	16.69958	16.65718	733.97131	734	733.90002	29.95827	30.3	29.9	29.38996	29.6	29.1	21.79761	21.88932	21.69536	0.56831	0.89999	0.3	18.39422	0.04152	18.38583	220424898	4020225	74
08/23/2017 14:18:08	16.67451	16.69893	16.65718	733.93676	734	733.90002	30.12512	30.4	29.9	29.31866	29.6	28.8	21.81739	21.88932	21.75078	0.80646	1.5	0.39999	18.47742	0.03477	18.46916	220424898	4020225	74
08/23/2017 14:23:08	16.67521	16.69465	16.65906	733.9082	734	733.90002	30.33547	30.5	30.09999	29.25684	29.7	28.8	21.80428	21.88932	21.69536	1.07862	1.5	0.59999	18.56062	0.04158	18.5525	220424898	4020225	74
08/23/2017 14:28:08	16.67512	16.70147	16.6487	733.90203	734	733.90002	30.52285	30.59999	30.4	29.42842	29.7	29.1	21.80102	21.86161	21.72307	1.09443	1.39999	0.8	18.64383	0	18.63611	220424898	4020225	74
08/23/2017 14:33:08	16.67548	16.70588	16.65483	733.85211	733.90002	733.79998	30.57243	30.7	30.4	29.54996	30	29.3	21.77096	21.88932	21.69536	1.02246	1.3	0.59999	18.72704	0.10722	18.71944	220424898	4020225	74
08/23/2017 14:38:08	16.67497	16.70335	16.65244	733.82019	733.90002	733.79998	30.6825	30.9	30.5	29.82005	30.1	29.5	21.75855	21.91703	21.63995	0.86246	1.2	0.49999	18.81025	0.08543	18.80277	220424898	4020225	74
08/23/2017 14:43:08	16.67497	16.70335	16.65244	733.82019	733.90002	733.79998	30.6825	30.9	30.5	29.82005	30.1	29.5	21.75855	21.91703	21.63995	0.86246	1.4	0.59999	18.89345	0.0219	18.88611	220424898	4020225	74
08/23/2017 14:48:08	16.67536	16.69298	16.65184	733.80401	733.90002	733.79998	30.69683	30.9	30.59999	29.64061	30	29.5	21.79681	21.88932	21.69536	1.05621	1.4	0.59999	18.97666	0.03092	18.96916	220424898	4020225	74
08/23/2017 14:53:08	16.67595	16.6985	16.65737	733.78845	733.79998	733.70001	30.7955	31	30.59999	29.55739	29.9	29.3	21.80657	21.88932	21.72307	1.2381	1.5	0.8	19.05987	0.01969	19.0525	220424898	4020225	74
08/23/2017 14:58:08	16.67607	16.70228	16.65244	733.73126	733.79998	733.70001	30.87507	31	30.59999	29.7241	30.1	29.4	21.77478	21.86161	21.69536	1.15097	1.5	0.8	19.14309	0.04165	19.13611	220424898	4020225	74
08/23/2017 15:03:08	16.67594	16.71396	16.6433	733.72827	733.79998	733.70001	30.92866	31.09999	30.7	29.72231	30	29.5	21.75	21.8339	21.66766	1.20634	1.4	0.7	19.2263	0.04162	19.21944	220424898	4020225	74
08/23/2017 15:08:08	16.67594	16.71396	16.6433	733.72827	733.79998	733.70001	30.92866	31.09999	30.7	29.72231	30	29.5	21.75	21.8339	21.66766	1.20634	1.4	0.7	19.3095	0.00681	19.3025	220424898	4020225	74

08/23/2017 15:13:08	16.67552	16.69674	16.65313	733.65966	733.70001	733.60003	30.92884	31.2	30.59999	29.56025	30	29.1	21.7808	21.88932	21.63995	1.36859	1.89999	0.9	19.3927	0.00213	19.38611	220424898	4020225	74
08/23/2017 15:18:08	16.67552	16.69674	16.65313	733.65966	733.70001	733.60003	30.92884	31.2	30.59999	29.56025	30	29.1	21.7808	21.88932	21.63995	1.36859	1.89999	0.9	19.47591	0.02191	19.46916	220424898	4020225	74
08/23/2017 15:23:08	16.67452	16.69488	16.65437	733.6427	733.70001	733.5	30.92557	31.2	30.7	29.4859	29.9	29.1	21.78044	21.88932	21.63995	1.43967	1.8	1.2	19.55912	0.00686	19.5525	220424898	4020225	74
08/23/2017 15:28:08	16.6747	16.69996	16.65313	733.55798	733.70001	733.40002	30.91013	31.09999	30.7	29.42277	29.7	29.1	21.80398	21.88932	21.72307	1.48735	1.89999	1	19.64233	0.03321	19.63583	220424898	4020225	74
08/23/2017 15:33:08	16.67485	16.70611	16.65643	733.46026	733.60003	733.29998	30.79233	31	30.59999	29.5498	30	29.1	21.81455	21.88932	21.72307	1.24252	1.8	0.59999	19.72554	0.06132	19.71944	220424898	4020225	74
08/23/2017 15:38:08	16.67485	16.70611	16.65643	733.46026	733.60003	733.29998	30.79233	31	30.59999	29.5498	30	29.1	21.81455	21.88932	21.72307	1.24252	1.8	0.59999	19.80875	0.0507	19.8025	220424898	4020225	74
08/23/2017 15:43:08	16.67451	16.69591	16.63994	733.27136	733.5	733.10003	30.77533	31	30.59999	29.44373	29.9	29.1	21.81675	21.88932	21.72307	1.3316	1.59999	0.99999	19.89195	0.0394	19.88611	220424898	4020225	74
08/23/2017 15:48:07	16.67451	16.69591	16.63994	733.27136	733.5	733.10003	30.77533	31	30.59999	29.44373	29.9	29.1	21.81675	21.88932	21.72307	1.3316	1.59999	0.99999	19.97516	0.00904	19.96916	220424898	4020225	74
08/23/2017 15:53:08	16.67392	16.69668	16.65413	733.15118	733.29998	733	30.70954	30.9	30.59999	29.46574	29.9	28.9	21.82557	21.97244	21.72307	1.2438	1.9	0.69999	20.05836	0.0325	20.05277	220424898	4020225	74
08/23/2017 15:58:08	16.67563	16.70099	16.65176	733.08526	733.20001	733	30.70469	30.9	30.59999	29.27956	29.6	29	21.84529	21.94473	21.75078	1.42512	1.9	0.99999	20.14157	0.05067	20.13611	220424898	4020225	74
08/23/2017 16:03:08	16.67493	16.7046	16.65413	733.07507	733.20001	733	30.69152	30.9	30.59999	29.27211	29.5	28.8	21.86917	21.97244	21.77848	1.4194	1.8	1.09999	20.22477	0.00225	20.21944	220424898	4020225	74
08/23/2017 16:08:08	16.67493	16.7046	16.65413	733.07507	733.20001	733	30.69152	30.9	30.59999	29.27211	29.5	28.8	21.86917	21.97244	21.77848	1.4194	1.8	1.09999	20.30798	0.02877	20.3025	220424898	4020225	74
08/23/2017 16:13:08	16.67494	16.70161	16.64754	732.99902	733.10003	732.90002	30.5984	30.7	30.5	29.33254	29.6	29	21.89403	22.00015	21.75078	1.26585	1.7	0.89999	20.39118	0.04154	20.38611	220424898	4020225	74
08/23/2017 16:18:08	16.6751	16.70353	16.65007	732.90509	733	732.90002	30.60403	30.7	30.5	29.20735	29.7	29	21.92267	22.00015	21.86161	1.39668	1.7	0.89999	20.47439	0.00218	20.46944	220424898	4020225	74
08/23/2017 16:23:08	16.6751	16.70353	16.65007	732.90509	733	732.90002	30.60403	30.7	30.5	29.20735	29.7	29	21.92267	22.00015	21.86161	1.39668	1.7	0.89999	20.55759	0	20.5525	220424898	4020225	74
08/23/2017 16:28:07	16.67423	16.69185	16.65007	732.90307	733	732.90002	30.58655	30.7	30.4	29.46753	29.7	29.1	21.93448	22.00015	21.86161	1.11902	1.49999	0.89999	20.6408	0.03954	20.63583	220424898	4020225	74
08/23/2017 16:33:07	16.67515	16.70536	16.63406	732.90002	732.90002	732.90002	30.55626	30.7	30.4	29.59152	30	29.1	21.92783	22.00015	21.77848	0.96473	1.49999	0.5	20.72401	0.02191	20.71916	220424898	4020225	74
08/23/2017 16:38:07	16.67435	16.698	16.65007	732.90002	732.90002	732.90002	30.563	30.7	30.5	29.46461	29.6	29.1	21.9179	22.00015	21.8339	1.09839	1.49999	0.89999	20.80721	0.0219	20.8025	220424898	4020225	74
08/23/2017 16:43:07	16.67507	16.69185	16.65742	732.90002	732.90002	732.90002	30.57306	30.7	30.5	29.5094	29.7	29.3	21.92924	22.00015	21.86161	1.06365	1.49999	0.7	20.89041	0.02192	20.88611	220424898	4020225	74
08/23/2017 16:48:07	16.674	16.69862	16.65682	732.90002	732.90002	732.90002	30.55619	30.59999	30.4	29.43773	29.7	29.1	21.93187	22.00015	21.80619	1.11846	1.49999	0.7	20.97362	0.04376	20.96916	220424898	4020225	74
08/23/2017 16:53:08	16.67349	16.70607	16.64214	732.8175	732.90002	732.79998	30.53266	30.59999	30.4	29.26837	29.9	28.8	21.95127	22.08327	21.8339	1.26429	1.8	0.59999	21.05683	0.02193	21.05277	220424898	4020225	74
08/23/2017 16:58:07	16.67349	16.70607	16.64214	732.8175	732.90002	732.79998	30.53266	30.59999	30.4	29.26837	29.9	28.8	21.95127	22.08327	21.8339	1.26429	1.8	0.59999	21.14004	0.00225	21.13583	220424898	4020225	74
08/23/2017 17:03:07	16.67554	16.70607	16.65261	732.81475	732.90002	732.79998	30.54448	30.59999	30.4	29.2192	29.5	29	21.94679	22.00015	21.86161	1.32527	1.59999	1.09999	21.22324	0.05448	21.21916	220424898	4020225	74
08/23/2017 17:08:07	16.67612	16.69501	16.65021	732.79193	732.79998	732.70001	30.49996	30.59999	30.3	29.45317	29.7	29.1	21.96227	22.05556	21.86161	1.04678	1.49999	0.7	21.30644	0.01753	21.3025	220424898	4020225	74
08/23/2017 17:13:07	16.67541	16.69693	16.65261	732.77044	732.79998	732.70001	30.45634	30.59999	30.3	29.31959	29.5	29	21.96408	22.05556	21.88932	1.13675	1.59999	0.8	21.38964	0.04155	21.38583	220424898	4020225	74
08/23/2017 17:18:07	16.67451	16.69077	16.64094	732.7406	732.79998	732.70001	30.37919	30.59999	30.3	29.16498	29.5	28.8	21.99288	22.13869	21.86161	1.21421	1.6	0.8	21.47285	0.04393	21.46916	220424898	4020225	74
08/23/2017 17:23:07	16.67455	16.69564	16.64899	732.72717	732.79998	732.70001	30.33353	30.5	30	28.7412	29	28.4	22.0155	22.13869	21.88932	1.59233	1.9	1.3	21.55605	0.02198	21.5525	220424898	4020225	74
08/23/2017 17:28:07	16.67492	16.6976	16.65657	732.70001	732.79998	732.60003	30.07516	30.3	29.9	28.00473	28.4	27.7	22.16294	22.27723	22.02786	2.07043	2.39999	1.8	21.63925	0.06989	21.63611	220424898	4020225	74
08/23/2017 17:33:07	16.67492	16.6976	16.65657	732.70001	732.79998	732.60003	30.07516	30.3	29.9	28.00473	28.4	27.7	22.16294	22.27723	22.02786	2.07043	2.39999	1.8	21.72246	0	21.71916	220424898	4020225	74
08/23/2017 17:38:07	16.67491	16.70558	16.65293	732.66949	732.70001	732.60003	29.91677	30	29.7	27.67816	27.8	27.6	22.15294	22.27723	22.05556	2.23861	2.39999	2	21.80566	0.05436	21.8025	220424898	4020225	74
08/23/2017 17:43:07	16.67482	16.69862	16.65583	732.63153	732.70001	732.60003	29.70873	29.9	29.5	27.60873	27.8	27.3	22.12213	22.22181	22.02786	2.09999	2.5	1.7	21.88887	0.02827	21.88583	220424898	4020225	74
08/23/2017 17:48:07	16.67334	16.6932	16.64813	732.65673	732.70001	732.60003	29.48492	29.7	29.3	27.34334	27.6	27	22.13283	22.22181	22.00015	2.14158	2.39999	1.8	21.97207	0.02209	21.96916	220424898	4020225	74
08/23/2017 17:53:07	16.67439	16.69957	16.64448	732.596	732.70001	732.5	29.24058	29.5	28.9	27.13355	27.3	26.7	22.17438	22.30494	22.05556	2.10702	2.3	1.9	22.05528	0.02494	22.0525	220424898	4020225	74
08/23/2017 17:58:07	16.67415	16.69957	16.64004	732.52417	732.60003	732.5	28.95737	29.2	28.8	27.02423	27.3	26.7	22.18282	22.27723	22.08327	1.93313	2.3	1.59999	22.13849	0.04426	22.13583	220424898	4020225	74
08/23/2017 18:03:07	16.67469	16.70243	16.63757	732.49395	732.60003	732.40002	28.5289	28.7	28.3	26.36482	26.6	26.1	22.28543	22.38806	22.13869	2.16408	2.59999	1.69999	22.2217	0.10468	22.21944	220424898	4020225	74
08/23/2017 18:08:07	16.67469	16.70243	16.63757	732.49395	732.60003	732.40002	28.5289	28.7	28.3	26.36482	26.6	26.1	22.28543	22.38806	22.13869	2.16408	2.59999	1.69999	22.3049	0	22.3025	220424898	4020225	74
08/23/2017 18:13:07	16.67361	16.69086	16.64912	732.45434	732.60003	732.40002	28.20773	28.5	28	26.15095	26.5	26	22.31082	22.36036	22.22181	2.05677	2.4	1.8	22.38811	0.04119	22.38611	220424898	4020225	74
08/23/2017 18:18:07	16.6743	16.69788	16.64545	732.40704	732.5	732.40002	28.01174	28.2	27.9	25.97416	26.1	25.8	22.31403	22.38806	22.24952	2.03758	2.4	1.8	22.47131	0.01311	22.46916	220424898	4020225	74
08/23/2017 18:23:07	16.67428	16.70321	16.65613	732.40509	732.5	732.40002	27.74227	28	27.59999	25.8742	26	25.7	22.28179	22.36036	22.1941	1.86806	2.2	1.59999	22.55452	0.10105	22.5525	220424898	4020225	74
08/23/2017 18:28:07	16.6739	16.70761	16.65341	732.40002	732.40002	732.40002	27.51209	27.7	27.4	25.58767	25.8	25.2	22.25826	22.44348	22.13869	1.92442	2.3	1.6	22.63773	0.05998	22.63583	220424898	4020225	74
08/23/2017 18:33:07	16.67523	16.70044	16.65087	732.40002	732.5	732.29998	27.2367	27.5	27	25.31268	25.5	25.1	22.26839	22.41577	22.1664	1.92402	2.19999	1.59999	22.72094	0.02568	22.71916	220424898	4020225	74
08/23/2017 18:38:07	16.67486	16.70477	16.63037	732.39502	732.5	732.29998	26.97824	27.3	26.8	25.21214	25.4	24.8	22.27493	22.36036	22.1664	1.7661	2.1	1.3	22.80416	0.00339	22.80277	220424898	4020225	74
08/23/2017 18:43:07	16.67417	16.70731	16.64001	732.30804	732.40002	732.29998	26.7792	26.9	26.5	25.1111	25.2	24.8	22.28697	22.38806	22.1664	1.6681	2.1	1.3	22.88737	0.14172	22.88583	220424898	4020225	74
08/23/2017 18:48:07	16.6735	16.70731	16.64878	732.30603	732.40002	732.29998	26.53394	26.8	26.4	24.80277	25.1	24.6	22.30801	22.44348	22.1941	1.73116	1.9	1.39999	22.97058	0.00365	22.96916	220424898	4020225	74
08/23/2017 18:53:07	16.67453	16.70433	16.64486	732.29193	732.29998	732.20001	26.29097	26.5	26.2	24.41823	24.7	24.1	22.34316	22.44348	22.1664	1.87273	2.19999	1.59999	23.05379	0.08553	23.0525	220424898	4020225	74
08/23/2017 18:58:07	16.67533	16.70375	16.65056	732.20001	732.20001	732.20001	25.75581	25.9	25.5	23.79101	24	23.6	22.32364	22.41577	22.24952	1.9648	2.19999	1.69999	23.13703	0	23.13611	220424898	4020225	74
08/23/2017 19:03:07	16.67533	16.70375	16.65056	732.20001	732.20001	732.20001	25.75581	25.9	25.5	23.79101	24	23.6	22.32364	22.41577	22.24952	1.9648	2.19999	1.69999	23.22026	0.13028	23.21916	220424898	4020225	74
08/23/2017 19:08:07	16.67538	16.71305	16.6536	732.20001	732.20001	732.20001	25.51679	25.7	25.3	23.47408	23.7	23.1	22.30354	22.38806	22.1941	2.0427	2.2	1.8	23.30346	0	23.3025	220424898	4020225	74
08/23/2017 19:13:07	16.67417	16.70338	16.65765	732.203	732.29998	732.20001	24.96923	25.2	24.7	22.73638	23	22.4	22.28317	22.36036	22.1941	2.23285	2.4	2	23.38667	0	23.38611	220424898	4020225	74
08/23/2017 19:18:07	16.67338	16.70104	16.64793	732.20404	732.29998	732.20001	24.60115	24.9	24.3	22.2442	22.5	21.8	22.27184	22.36036	22.13869	2.35695	2.6	2.19999	23.46988	0.06739	23.46944	220424898	4020225	74
08/23/2017 19:23:07	16.67503	16.7025	16.65185	732.22247	732.29998	732.20001	24.26932	24.6	24	21.66531	21.9	21.3	22.26108	22.33265	22.13869	2.604	2.9	2.3	23.5531	0.04501	23.55277	220424898	4020225	74
08/23/2017 19:28:07	16.67503	16.7025	16.65185	732.22247	732.29998	732.20001	24.26932	24.6	24	21.66531	21.9	21.3	22.26108	22.33265	22.13869	2.604	2.9	2.3	23.63631	0.03597	23.63583	220424898	4020225	74
08/23/2017 19:33:07	16.67579	16.70125	16.64565	732.26446	732.29998	732.20001	23.90097	24	23.7	21.21127	21.5	20.9	22.20336	22.36036	22.05556	2.68969	3.09999	2.49999	23.71951	0	23.71916	220424898	4020225	74
08/23/2017 19:38:07	16.67329	16.6961	16.63681	732.27179	732.29998	732.20001	23.51921	23.9	23.3	20.74671	21	20.5	22.13668	22.27723	22.02786	2.7725	3.09999	2.49999	23.80272	0.00867	23.8025	220424898	4020225	74
08/23/2017 19:43:07	16.67524	16.70086	16.64423	732.27349	732.29998	732.20001	23.05451	23.4	22.8	20.34751	20.6	20	22.07049	22.1941	22.00015	2.707	2.99999	2.49999	23.88593	0	23.88583	220424898	4020225	74
08/23/2017 19:48:07	16.67381	16.6903	16.64016	732.29699	732.29998	732.20001	22.18278	22.5	21.9	19.47318	19.8	19.1	21.91408	22.00015	21.8339	2.7096	3	2.5	23.96913	0.02266	23.96944	220424898	4020225	74
08/23/2017 19:53:07	16.67381	16.6903	16.64016	732.29699	732.29998	732.20001	22.18278	22.5	21.9	19.47318	19.8	19.1	21.91408	22.00015	21.8339	2.7096	3	2.5	24.00121	0	24.00083	220424898	4020225	74
08/24/2017 08:37:54	5.62273	16.69379	0	732.2503	732.29998	732.20001	21.73049	22	21.5	18.96592	19.2	18.7	7.4691	21.94473	0	2.76457	3.09999	2.49999	24.00121	0	24.00083	220424898	4020225	74
08/24/2017 08:42:54	0	0	0	730.74493	730.90002	730.60003	12.44428	12.7	12.3	13.63756	13.9	13.4	0	0	0	1.19327	1.6	0.8	24.00121	0	24.00083	220424954	4020325	74
08/24/2017 08:47:54	0	0	0	730.74493	730.90002	730.60003	12.44428	12.7	12.3	13.63756	13.9	13.4	0	0	0	1.19327	1.6	0.8	0.04708	0.03959	0.04805	220424952	4020325	74
08/24/2017 08:52:54	8.80892	16.69707	0	731.0119	731.20001	730.90002	12.69572	13	12.4	13.76149	13.9	13.5	10.18201	19.47872	0	1.06577	1.4	0.5	0.13046	0.03959	0.13138	220424952	4020325	74
08/24/2017 08:57:54	16.6775	16.69198	16.65799	731.33758	731.40002	731.20001	12.92152	13.1	12.7	13.90398	14.1	13.8	19.4537	19.56184	19.34018	0.98245	1.4	0.69999	0.21384	0.02308	0.21472	220424952	4020325	74
08/24/2017 09:02:54	16.67487	16.70379	16.65754	731.52649	731.60003	731.40002	13.00666	13.1	12.7	14.06974	14.4	13.9	19.52948	19.64497	19.45101	1.06307	1.4	0.9	0.29722	0.01658	0.29805	220424952	4020325	74
08/24/2017 09:07:54	16.67579	16.70704	16.6432	731.8305	731.90002	731.79998	13.18387	13.3	13	14.30262	14.5	13.9	19.70364	19.86663	19.58955	1.11874	1.3	0.7	0.3806	0	0.38166	220424952	4020325	74
08/24/2017 09:12:54	16.67579	16.70704	16.6432	731.8305	731.90002	731.79998	13.18387	13.3	13	14.30262	14.5	13.9	19.70364	19.86663	19.58955	1.11874	1.6	1	0.46398	0.0792	0.46472	220424952	4020325	74
08/24/2017 09:17:54	16.67572	16.69731	16.65285	731.93151	732	731.90002	13.26713	13.6	13.1	14.56378	14.9	14.4	19.78165	19.89434	19.70039	1.29664	1.6	1	0.54737	0.04589	0.54805	220424952	4020325	74
08/24/2017 09:22:54	16.67663	16.70329	16.65931	731.98822	732.10003	731.90002	13.47112	13.7	13.2	15.14751	15.8	14.5	19.80601	19.89434	19.70039	1.67639	2.19999	1.1	0.63073	0.02296	0.63138	220424952	4020325	74
08/24/2017 09:27:54	16.67326	16.69805	16.63981	732.09094	732.20001	732	13.65301	13.8	13.5	15.49532	15.7	15.2	19.83818	19.92205	19.72809	1.84231	2.1	1.5	0.71411	0.0947	0.71472	220424952	4020325	74
08/24/2017 09:32:54	16.67458	16.70636	16.64714	732.24963	732.29998	732.20001	14.12677	14.3	13.9	15.96237	16.4	15.7	19.93077	20.03288	19.83893	1.8356	2.3	1.5	0.79749	0.02888	0.79833	220424952	4020325	74
08/24/2017 09:37:54	16.67458	16.70636	16.64714	732.24963	732.29998	732.20001	14.12677	14.3	13.9	15.96237	16.4	15.7	19.93077	20.03288	19.83893	1.8356	2.1	1.5	0.88087	0.026	0.88166	220424952	4020325	74
08/24/2017 09:42:54	16.6759	16.70077	16.65913	732.33422	732.40002	732.20001	14.37104	14.7	14.2	16.21345	16.4	16.1	19.95728	20.0883	19.86663	1.8424	2.1	1.5	0.96425	0.1223	0.96472	220424952	4020325	74

08/24/2017 09:47:54	16.67586	16.7102	16.65991	732.3963	732.5	732.29998	14.6327	14.8	14.4	16.3796	16.8	16.2	20.00464	20.0883	19.92205	1.7469	2.1	1.4	1.04763	0.01712	1.04805	220424952	4020325	74
08/24/2017 09:52:54	16.67594	16.70632	16.65096	732.44964	732.5	732.40002	14.89794	15.1	14.7	16.78711	17.1	16.4	20.00203	20.116	19.86663	1.88917	2.2	1.5	1.131	0.05708	1.13138	220424952	4020325	74
08/24/2017 09:57:54	16.67522	16.70065	16.6581	732.56475	732.60003	732.5	15.4892	15.7	15.1	17.01006	17.1	16.9	20.02528	20.116	19.92205	1.52086	1.9	1.3	1.21438	0.0171	1.215	220424952	4020325	74
08/24/2017 10:02:54	16.67522	16.70065	16.6581	732.56475	732.60003	732.5	15.4892	15.7	15.1	17.01006	17.1	16.9	20.02528	20.116	19.92205	1.52086	1.9	1.3	1.29775	0.01374	1.29805	220424952	4020325	74
08/24/2017 10:07:54	16.67504	16.69012	16.65164	732.61944	732.70001	732.60003	15.77441	16	15.6	17.39913	17.7	17	20.01546	20.17142	19.92205	1.62471	2	1.3	1.38112	0.04901	1.38138	220424952	4020325	74
08/24/2017 10:12:54	16.67574	16.69879	16.65717	732.70501	732.79998	732.70001	16.29058	16.6	16.1	17.75747	18.2	17.1	20.00238	20.0883	19.92205	1.46689	1.9	0.9	1.4645	0	1.465	220424952	4020325	74
08/24/2017 10:17:54	16.67574	16.69879	16.65717	732.70501	732.79998	732.70001	16.29058	16.6	16.1	17.75747	18.2	17.1	20.00238	20.0883	19.92205	1.46689	1.9	0.9	1.54788	0.04009	1.54805	220424952	4020325	74
08/24/2017 10:22:54	16.67489	16.69713	16.65755	732.78289	732.79998	732.70001	16.66101	16.8	16.5	18.11337	18.2	17.9	19.99188	20.06059	19.92205	1.45235	1.6	1.3	1.63126	0.04006	1.63138	220424952	4020325	74
08/24/2017 10:27:54	16.67557	16.69767	16.65604	732.81134	732.90002	732.79998	17.16908	17.4	16.8	18.22057	18.6	17.9	20.003	20.06059	19.92205	1.05148	1.4	0.6	1.71463	0.01737	1.715	220424952	4020325	74
08/24/2017 10:32:54	16.67557	16.69767	16.65604	732.81134	732.90002	732.79998	17.16908	17.4	16.8	18.22057	18.6	17.9	20.003	20.06059	19.92205	1.05148	1.4	0.6	1.79801	0	1.79805	220424952	4020325	74
08/24/2017 10:37:54	16.67661	16.6962	16.658	732.88696	733	732.79998	17.77578	18	17.4	18.87511	19.2	18.5	19.98119	20.06059	19.89434	1.09932	1.4	0.8	1.8814	0	1.88166	220424952	4020325	74
08/24/2017 10:42:54	16.67661	16.6962	16.658	732.88696	733	732.79998	17.77578	18	17.4	18.87511	19.2	18.5	19.98119	20.06059	19.89434	1.09932	1.4	0.8	1.96479	0.04021	1.96472	220424952	4020325	74
08/24/2017 10:47:54	16.67661	16.69238	16.65456	732.87683	732.90002	732.79998	18.00393	18.3	17.8	19.09317	19.2	18.8	19.99393	20.0883	19.86663	1.08923	1.4	0.8	2.04817	0.04078	2.04805	220424952	4020325	74
08/24/2017 10:52:54	16.67558	16.70366	16.64583	732.83148	732.90002	732.79998	18.46715	18.6	18.3	19.23877	19.8	18.8	20.01818	20.116	19.86663	0.77162	1.3	0.4	2.13155	0.04024	2.13166	220424952	4020325	74
08/24/2017 10:57:54	16.67558	16.70366	16.64583	732.83148	732.90002	732.79998	18.46715	18.6	18.3	19.23877	19.8	18.8	20.01818	20.116	19.86663	0.77162	1.3	0.4	2.21492	0.04026	2.21472	220424952	4020325	74
08/24/2017 11:02:54	16.67453	16.70655	16.64374	732.87182	733	732.79998	18.95977	19.1	18.7	19.65116	20	19.2	19.99619	20.0883	19.86663	0.69138	1.09999	0.1	2.29829	0.08044	2.29833	220424952	4020325	74
08/24/2017 11:07:54	16.67453	16.70655	16.64374	732.87182	733	732.79998	18.95977	19.1	18.7	19.65116	20	19.2	19.99619	20.0883	19.86663	0.69138	1.09999	0.1	2.38167	0	2.38138	220424952	4020325	74
08/24/2017 11:12:54	16.6751	16.70443	16.65527	732.83221	732.90002	732.79998	19.33727	19.6	19.2	19.92289	20.1	19.8	19.99412	20.0883	19.89434	0.58561	0.8	0.19999	2.46505	0.04031	2.465	220424952	4020325	74
08/24/2017 11:17:54	16.6751	16.70443	16.65527	732.83221	732.90002	732.79998	19.33727	19.6	19.2	19.92289	20.1	19.8	19.99412	20.0883	19.89434	0.58561	0.8	0.19999	2.54844	0.00868	2.54805	220424952	4020325	74
08/24/2017 11:22:54	16.67659	16.69554	16.66024	732.88263	732.90002	732.79998	19.61339	19.7	19.3	19.8501	20.1	19.7	20.00743	20.116	19.89434	0.2367	0.6	0	2.63181	0.00483	2.63138	220424952	4020325	74
08/24/2017 11:27:54	16.67402	16.70464	16.65166	732.89495	733	732.79998	19.92392	20.2	19.8	20.40212	20.6	20	19.93919	20.03288	19.83893	0.47819	0.7	0.1	2.71517	0.0178	2.715	220424952	4020325	74
08/24/2017 11:32:54	16.67402	16.70464	16.65166	732.89495	733	732.79998	19.92392	20.2	19.8	20.40212	20.6	20	19.93919	20.03288	19.83893	0.47819	0.7	0.1	2.79854	0	2.79805	220424952	4020325	74
08/24/2017 11:37:54	16.67574	16.69212	16.648	732.90606	733	732.90002	20.32015	20.4	20.2	20.50066	20.7	20.4	20.04065	20.14371	19.89434	0.1805	0.5	0	2.88191	0	2.88166	220424952	4020325	74
08/24/2017 11:42:54	16.67574	16.69212	16.648	732.90606	733	732.90002	20.32015	20.4	20.2	20.50066	20.7	20.4	20.04065	20.14371	19.89434	0.1805	0.5	0	2.96529	0.04047	2.96472	220424952	4020325	74
08/24/2017 11:47:54	16.67488	16.70621	16.64686	732.90203	733	732.90002	20.70452	20.8	20.4	21.21729	21.6	21	20.0874	20.17142	20.00517	0.51276	0.8	0.2	3.04867	0.02701	3.04833	220424952	4020325	74
08/24/2017 11:52:54	16.67488	16.70621	16.64686	732.90203	733	732.90002	20.70452	20.8	20.4	21.21729	21.6	21	20.0874	20.17142	20.00517	0.51276	0.8	0.2	3.13205	0.08552	3.13138	220424952	4020325	74
08/24/2017 11:57:54	16.67452	16.70493	16.64686	732.90002	732.90002	732.90002	20.8672	21	20.7	21.20223	21.6	21	20.13293	20.25455	20.03288	0.33502	0.8	0	3.21542	0.07208	3.21472	220424952	4020325	74
08/24/2017 12:02:54	16.67507	16.70621	16.64686	732.89697	733	732.79998	21.04356	21.3	20.9	21.21912	21.6	21	20.15588	20.25455	20.06059	0.1957	0.5	0	3.29879	0.04055	3.29805	220424952	4020325	74
08/24/2017 12:07:54	16.6748	16.70115	16.64811	732.89679	733	732.79998	21.24825	21.4	20.9	21.46731	21.8	21.2	20.16789	20.25455	20.00517	0.2392	0.7	0	3.38216	0.02247	3.38138	220424952	4020325	74
08/24/2017 12:12:54	16.67624	16.7011	16.65432	732.85589	733	732.70001	21.53682	21.7	21.4	21.87391	22.1	21.7	20.19781	20.28225	20.06059	0.33709	0.7	0	3.46555	0	3.465	220424952	4020325	74
08/24/2017 12:17:54	16.67624	16.7011	16.65432	732.85589	733	732.70001	21.53682	21.7	21.4	21.87391	22.1	21.7	20.19781	20.28225	20.06059	0.33709	0.7	0	3.54893	0.05835	3.54805	220424952	4020325	74
08/24/2017 12:22:54	16.6764	16.70231	16.64803	732.86651	733	732.79998	21.70105	22	21.5	21.83675	22.3	21.7	20.21443	20.30996	20.14371	0.176	0.4	0	3.63231	0.07223	3.63138	220424952	4020325	74
08/24/2017 12:27:54	16.67617	16.69974	16.65411	732.71112	732.90002	732.60003	21.8743	22	21.7	22.12501	22.7	21.7	20.2141	20.30996	20.0883	0.28434	0.7	0	3.71569	0.07215	3.71472	220424952	4020325	74
08/24/2017 12:32:54	16.6754	16.69717	16.65158	732.66497	732.79998	732.60003	22.07114	22.2	21.9	22.37983	22.7	22.1	20.27973	20.39309	20.17142	0.30868	0.6	0	3.79906	0.03165	3.79805	220424952	4020325	74
08/24/2017 12:37:54	16.6755	16.70463	16.65266	732.6101	732.79998	732.5	22.24087	22.3	22	22.66503	23	22.3	20.29205	20.39309	20.19913	0.42415	0.8	0	3.88243	0.02239	3.88138	220424952	4020325	74
08/24/2017 12:42:54	16.67454	16.69834	16.65116	732.64276	732.79998	732.5	22.40047	22.7	22.2	22.86132	23.4	22.5	20.30732	20.39309	20.19913	0.46087	0.8	0.09999	3.9658	0.1047	3.96472	220424952	4020325	74
08/24/2017 12:47:54	16.67502	16.69429	16.65258	732.48675	732.70001	732.40002	22.73685	22.9	22.6	22.88133	23.3	22.7	20.34581	20.42079	20.22684	0.15792	0.59999	0	4.04917	0.00499	4.04833	220424952	4020325	74
08/24/2017 12:52:54	16.67545	16.6969	16.64751	732.44635	732.60003	732.40002	22.90001	23.1	22.8	23.12028	23.5	22.8	20.3293	20.39309	20.25455	0.23372	0.6	0	4.13254	0	4.13166	220424952	4020325	74
08/24/2017 12:57:54	16.67545	16.6969	16.64751	732.44635	732.60003	732.40002	22.90001	23.1	22.8	23.12028	23.5	22.8	20.3293	20.39309	20.25455	0.23372	0.6	0	4.2159	0.04627	4.21472	220424952	4020325	74
08/24/2017 13:02:54	16.67475	16.70685	16.64599	732.41009	732.70001	732.29998	23.06773	23.3	22.9	23.17459	23.6	22.9	20.3621	20.47621	20.28225	0.19425	0.8	0	4.29927	0.08175	4.29833	220424952	4020325	74
08/24/2017 13:07:54	16.6757	16.70422	16.64853	732.35247	732.40002	732.29998	23.22068	23.3	23.1	23.35446	23.9	22.9	20.35654	20.42079	20.28225	0.26164	0.8	0	4.38265	0.03558	4.38138	220424952	4020325	74
08/24/2017 13:12:54	16.67632	16.70121	16.65174	732.3294	732.40002	732.29998	23.32351	23.5	23.2	23.7242	23.9	23.5	20.37184	20.4485	20.30996	0.40068	0.7	0.2	4.46603	0.00372	4.46472	220424952	4020325	74
08/24/2017 13:17:54	16.6761	16.70433	16.64385	732.31817	732.40002	732.29998	23.72805	23.9	23.5	24.12654	24.5	23.9	20.4152	20.53163	20.30996	0.39848	0.8	0.1	4.54941	0.08189	4.54833	220424952	4020325	74
08/24/2017 13:22:54	16.67588	16.69909	16.65111	732.28704	732.40002	732.20001	23.88033	24	23.8	24.38373	24.6	23.9	20.45531	20.55933	20.33767	0.51011	0.7	0.09999	4.63278	0	4.63166	220424952	4020325	74
08/24/2017 13:27:54	16.67508	16.69638	16.64685	732.26165	732.40002	732.20001	24.0207	24.3	23.8	24.52148	24.8	24.3	20.47922	20.55933	20.36538	0.50078	0.8	0.2	4.71615	0	4.715	220424952	4020325	74
08/24/2017 13:32:54	16.67508	16.69638	16.64685	732.26165	732.40002	732.20001	24.0207	24.3	23.8	24.52148	24.8	24.3	20.47922	20.55933	20.36538	0.50078	0.8	0.2	4.79951	0.10774	4.79805	220424952	4020325	74
08/24/2017 13:37:54	16.6744	16.70008	16.64783	732.31713	732.40002	732.29998	24.40366	24.6	24.3	24.80458	25.1	24.6	20.48079	20.58704	20.33767	0.40091	0.8	0.1	4.88287	0.03761	4.88166	220424952	4020325	74
08/24/2017 13:42:54	16.6744	16.70008	16.64783	732.31713	732.40002	732.29998	24.40366	24.6	24.3	24.80458	25.1	24.6	20.48079	20.58704	20.33767	0.40091	0.6	0	4.96623	0.0355	4.96472	220424952	4020325	74
08/24/2017 13:47:54	16.67658	16.70731	16.6428	732.32617	732.40002	732.29998	24.74671	24.9	24.6	25.09608	25.7	24.6	20.50528	20.61475	20.4485	0.3682	0.8	0	5.0496	0.01639	5.04833	220424952	4020325	74
08/24/2017 13:52:54	16.67502	16.69675	16.64992	732.35363	732.5	732.29998	24.90986	25	24.7	25.40387	25.8	25.1	20.49889	20.58704	20.4485	0.494	1	0.1	5.13297	0.05082	5.13166	220424952	4020325	74
08/24/2017 13:57:53	16.67502	16.69675	16.64992	732.35363	732.5	732.29998	24.90986	25	24.7	25.40387	25.8	25.1	20.49889	20.58704	20.4485	0.494	1	0.1	5.21634	0.02222	5.21472	220424952	4020325	74
08/24/2017 14:02:54	16.67516	16.70477	16.64898	732.39685	732.5	732.29998	25.21465	25.5	25	24.90169	25.3	24.7	20.51896	20.58704	20.42079	0.33853	0.59999	0.09999	5.29972	0.04673	5.29833	220424952	4020325	74
08/24/2017 14:07:53	16.67516	16.70477	16.64898	732.39685	732.5	732.29998	25.21465	25.5	25	24.90169	25.3	24.7	20.51896	20.58704	20.42079	0.33853	0.59999	0.09999	5.3831	0.05639	5.38138	220424952	4020325	74
08/24/2017 14:12:54	16.67579	16.70299	16.65156	732.25561	732.29998	732.20001	25.53814	25.7	25.3	25.41403	25.8	25.1	20.54165	20.64246	20.42079	0.19728	0.5	0	5.46648	0.01897	5.465	220424952	4020325	74
08/24/2017 14:17:54	16.67579	16.70299	16.65156	732.25561	732.29998	732.20001	25.53814	25.7	25.3	25.41403	25.8	25.1	20.54165	20.64246	20.42079	0.19728	0.5	0	5.54983	0.00582	5.54833	220424952	4020325	74
08/24/2017 14:22:54	16.67382	16.6942	16.64712	732.26251	732.40002	732.20001	25.64956	25.7	25.5	25.76696	26	25.5	20.50593	20.61475	20.42079	0.13675	0.59999	0	5.63321	0.04108	5.63138	220424952	4020325	74
08/24/2017 14:27:53	16.6752	16.69862	16.64534	732.26159	732.40002	732.20001	25.67985	25.8	25.5	25.39727	25.7	25.1	20.55669	20.64246	20.47621	0.28257	0.59999	0	5.71658	0.01902	5.71472	220424952	4020325	74
08/24/2017 14:32:54	16.674	16.70207	16.65079	732.26672	732.40002	732.20001	25.89128	26.2	25.7	25.64276	26	25.2	20.50573	20.58704	20.4485	0.30769	1	0	5.79995	0.02631	5.79833	220424952	4020325	74
08/24/2017 14:37:54	16.674	16.70207	16.65079	732.26672	732.40002	732.20001	25.89128	26.2	25.7	25.64276	26	25.2	20.50573	20.58704	20.4485	0.30769	1	0	5.88332	0.04438	5.88138	220424952	4020325	74
08/24/2017 14:42:53	16.67652	16.69929	16.65499	732.22821	732.29998	732.20001	25.95742	26.2	25.8	25.53633	26	25.1	20.52859	20.61475	20.47621	0.42781	0.9	0	5.96669	0.00311	5.96472	220424952	4020325	74
08/24/2017 14:47:53	16.67502	16.7083	16.64344	732.20202	732.29998	732.20001	26.11998	26.3	25.9	25.83577	26.1	25.5	20.53965	20.64246	20.4485	0.29093	0.6	0	6.05006	0.03777	6.04805	220424952	4020325	74
08/24/2017 14:52:54	16.67596	16.7127	16.65306	732.14343	732.20001	732.10003	26.30065	26.5	26.2	25.69601	26	25.2	20.55078	20.69787	20.47621	0.60464	1.09999	0.3	6.13344	0.08246	6.13166	220424952	4020325	74
08/24/2017 14:57:54	16.67544	16.69216	16.65306	732.12725	732.20001	732.10003	26.39016	26.5	26.2	25.80691	26.1	25.5	20.56565	20.64246	20.47621	0.58325	0.9	0.19999	6.2168	0	6.215	220424952	4020325	74
08/24/2017 15:02:53	16.67544	16.69216	16.65306	732.12725	732.20001	732.10003	26.39016	26.5	26.2	25.80691	26.1	25.5	20.56565	20.64246	20.47621	0.58325	0.9	0.19999	6.30018	0.04123	6.29805	220424952	4020325	74
08/24/2017 15:07:53	16.67529	16.69567	16.6477	732.096	732.20001	732	26.54056	26.7	26.3	26.19126	26.5	25.8	20.60628	20.69787	20.50392	0.35605	0.9	0	6.38355	0.01913	6.38166	220424952	4020325	74
08/24/2017 15:12:53	16.67529	16.69567	16.6477	732.096	732.20001	732	26.54056	26.7	26.3	26.19126	26.5	25.8	20.60628	20.69787	20.50392	0.35605	0.9	0	6.46692	0.04127	6.46472	220424952	4020325	74
08/24/2017 15:17:53	16.67477	16.69821	16.64937	732.09094	732.20001	732	26.57354	26.8	26.4	26.4803	26.7	26.3	20.5547	20.67017	20.47621	0.13361	0.4	0	6.55029	0.03424	6.54805	220424952	4020325	74
08/24/2017 15:22:53	16.67413	16.69736	16.64317	732.04748	732.10003	732	26.8269	27	26.7	26.37411	26.7	26	20.6123	20.781	20.50392	0.45278	0.8	0.19999	6.63365	0.0252	6.63166	220424952	4020325	74
08/24/2017 15:27:53	16.67506	16.70608	16.65018	732.00909	732.10003	731.90002	26.87331	26.9	26.8	26.65166	27.1	26.1	20.62501	20.83641	20.47621	0.3024	0.79999	0	6.71701	0.11467	6.715	220424952	4020325	74
08/24/2017 15:32:53	16.67506	16.70608	16.65018	732.00909	732.10003	731.90002	26.87331	26.9	26.8	26.65166	27.1	26.1	20.62501	20.83641	20.47621	0.3024	1	0.19999	6.80038	0.00905	6.79833	220424952	4020325	74
08/24/2017 15:37:53	16.67486	16.71515	16.64657	731.96673	732.10003	731.90002	26.93431	27	26.8	26.32597	26.7	26	20.74572	20.86412	20.58704	0.60833	1	0.19999	6.88374	0.01916	6.88138	220424952	4020325	74

08/24/2017 15:42:53	16.67464	16.70697	16.64571	731.96966	732.10003	731.90002	26.97384	27.3	26.9	26.41523	26.7	26.1	20.76163	20.89183	20.67017	0.55862	0.89999	0.19999	6.96711	0.0059	6.96472	220424952	4020325	74
08/24/2017 15:47:53	16.67561	16.6999	16.64571	731.91314	732	731.90002	27.08074	27.3	27	25.9334	26.3	25.7	20.84163	20.97495	20.67017	1.14733	1.5	0.7	7.05049	0.08241	7.04833	220424952	4020325	74
08/24/2017 15:52:53	16.67561	16.6999	16.64571	731.91314	732	731.90002	27.08074	27.3	27	25.9334	26.3	25.7	20.84163	20.97495	20.67017	1.14733	1.5	0.7	7.13385	0.00021	7.13138	220424952	4020325	74
08/24/2017 15:57:53	16.67468	16.69281	16.65726	731.88586	731.90002	731.79998	27.12753	27.4	26.9	25.83879	26.4	25.7	20.84804	20.91954	20.69787	1.28873	1.6	0.69999	7.21721	0.00906	7.21472	220424952	4020325	74
08/24/2017 16:02:53	16.67545	16.7033	16.63219	731.80712	731.90002	731.79998	27.05716	27.3	26.9	26.09552	26.5	25.7	20.7492	20.86412	20.61475	0.96163	1.4	0.5	7.30058	0.11368	7.29833	220424952	4020325	74
08/24/2017 16:07:53	16.67545	16.7033	16.63219	731.80712	731.90002	731.79998	27.05716	27.3	26.9	26.09552	26.5	25.7	20.7492	20.86412	20.61475	0.96163	1.4	0.5	7.38395	0	7.38138	220424952	4020325	74
08/24/2017 16:12:53	16.67413	16.69535	16.65359	731.80603	731.90002	731.70001	27.04014	27.3	26.9	25.88209	26.1	25.7	20.79436	20.91954	20.67017	1.15805	1.59999	0.89999	7.46731	0.04122	7.46472	220424952	4020325	74
08/24/2017 16:17:53	16.67608	16.70233	16.63494	731.74542	731.79998	731.70001	26.98988	27.1	26.9	25.57819	25.8	25.4	20.8813	20.97495	20.69787	1.41168	1.69999	1.1	7.55069	0.04119	7.54833	220424952	4020325	74
08/24/2017 16:22:53	16.67608	16.70233	16.63494	731.74542	731.79998	731.70001	26.98988	27.1	26.9	25.57819	25.8	25.4	20.8813	20.97495	20.69787	1.41168	1.59999	0.59999	7.63406	0.0064	7.63166	220424952	4020325	74
08/24/2017 16:27:53	16.67476	16.69255	16.64902	731.71618	731.79998	731.70001	26.98317	27.3	26.9	25.93816	26.4	25.4	20.87774	20.94725	20.781	1.04501	1.59999	0.59999	7.71743	0.00905	7.71472	220424952	4020325	74
08/24/2017 16:32:53	16.67525	16.70233	16.65524	731.67779	731.79998	731.60003	26.95355	27.1	26.8	25.80289	26	25.4	20.88267	20.97495	20.8087	1.15065	1.59999	0.9	7.80079	0.01892	7.79805	220424952	4020325	74
08/24/2017 16:37:53	16.67495	16.70233	16.64902	731.67175	731.79998	731.60003	26.8976	27	26.8	25.51474	25.8	25.2	20.89788	20.94725	20.8087	1.38286	1.69999	1	7.88415	0.06334	7.88166	220424952	4020325	74
08/24/2017 16:42:53	16.67495	16.70233	16.64902	731.67175	731.79998	731.60003	26.8976	27	26.8	25.51474	25.8	25.2	20.89788	20.94725	20.8087	1.38286	1.69999	1	7.96753	0.01636	7.96472	220424952	4020325	74
08/24/2017 16:47:53	16.67526	16.69955	16.64711	731.63031	731.70001	731.60003	26.87975	27	26.7	25.58647	25.8	25.2	20.87224	20.94725	20.72558	1.29328	1.8	1	8.05091	0.00905	8.04805	220424952	4020325	74
08/24/2017 16:52:53	16.67453	16.69772	16.65596	731.63842	731.79998	731.60003	26.8697	27	26.7	25.3866	25.7	25.1	20.89639	20.97495	20.781	1.4831	1.8	1	8.13428	0.03536	8.13138	220424952	4020325	74
08/24/2017 16:57:53	16.67615	16.70208	16.64902	731.62933	731.70001	731.60003	26.7734	26.9	26.7	25.30331	25.7	25.1	20.88876	20.97495	20.8087	1.47008	1.69999	1	8.21768	0.04114	8.215	220424952	4020325	74
08/24/2017 17:02:53	16.67504	16.69772	16.64812	731.61523	731.70001	731.60003	26.7336	26.9	26.5	25.32656	25.5	25.2	20.86164	20.91954	20.72558	1.40704	1.69999	1	8.30112	0.09457	8.29833	220424952	4020325	74
08/24/2017 17:07:53	16.67504	16.69772	16.64812	731.61523	731.70001	731.60003	26.7336	26.9	26.5	25.32656	25.5	25.2	20.86164	20.91954	20.72558	1.40704	1.69999	1	8.38455	0.08224	8.38138	220424952	4020325	74
08/24/2017 17:12:53	16.67483	16.69933	16.65065	731.59503	731.70001	731.5	26.53911	26.7	26.3	25.28686	25.5	25.1	20.77937	20.89183	20.64246	1.25225	1.59999	0.99999	8.46793	0.01895	8.465	220424952	4020325	74
08/24/2017 17:17:53	16.67483	16.69933	16.65065	731.59503	731.70001	731.5	26.53911	26.7	26.3	25.28686	25.5	25.1	20.77937	20.89183	20.64246	1.25225	1.59999	0.99999	8.55134	0.06333	8.54805	220424952	4020325	74
08/24/2017 17:22:53	16.67442	16.69309	16.64764	731.48486	731.5	731.40002	26.40071	26.5	26.3	24.86868	25.1	24.7	20.88287	21.00266	20.67017	1.53202	1.7	1.19999	8.63476	0.03202	8.63166	220424952	4020325	74
08/24/2017 17:27:53	16.67442	16.69309	16.64764	731.48486	731.5	731.40002	26.40071	26.5	26.3	24.86868	25.1	24.7	20.88287	21.00266	20.67017	1.53202	1.7	1.19999	8.71818	0.04448	8.71472	220424952	4020325	74
08/24/2017 17:32:53	16.67428	16.70716	16.65291	731.40814	731.5	731.40002	26.21684	26.3	26.2	24.88553	25.1	24.6	20.80615	20.94725	20.64246	1.33131	1.59999	1.09999	8.80159	0.03765	8.79833	220424952	4020325	74
08/24/2017 17:37:53	16.67428	16.70716	16.65291	731.40814	731.5	731.40002	26.21684	26.3	26.2	24.88553	25.1	24.6	20.80615	20.94725	20.64246	1.33131	1.59999	1.09999	8.885	0	8.88138	220424952	4020325	74
08/24/2017 17:42:53	16.67419	16.69995	16.64857	731.40002	731.40002	731.40002	26.13699	26.3	25.9	24.79763	25.1	24.6	20.83371	21.00266	20.61475	1.33935	1.59999	0.79999	8.9684	0.01879	8.96472	220424952	4020325	74
08/24/2017 17:47:53	16.67503	16.69995	16.65291	731.40307	731.5	731.40002	25.98647	26.2	25.8	24.61282	24.8	24.3	20.84774	20.97495	20.64246	1.37365	1.9	1.1	9.05179	0.0223	9.04805	220424952	4020325	74
08/24/2017 17:52:53	16.67476	16.6937	16.64996	731.40002	731.40002	731.40002	25.85033	26.1	25.7	24.46811	24.7	24	20.75871	20.89183	20.58704	1.38222	1.8	1.09999	9.1352	0.0096	9.13138	220424952	4020325	74
08/24/2017 17:57:53	16.67431	16.70845	16.64625	731.36779	731.40002	731.29998	25.7567	25.9	25.7	24.13724	24.5	23.9	20.87046	20.97495	20.72558	1.61946	1.89999	1.3	9.21859	0.03725	9.21472	220424952	4020325	74
08/24/2017 18:02:53	16.67423	16.71623	16.6552	731.30902	731.40002	731.29998	25.66008	25.7	25.6	23.95918	24.3	23.6	20.87804	21.00266	20.72558	1.70089	2.09999	1.4	9.30201	0.01485	9.29805	220424952	4020325	74
08/24/2017 18:07:53	16.67467	16.70369	16.65672	731.23254	731.29998	731.10003	25.58019	25.7	25.3	23.72615	24	23.5	20.9285	21.03037	20.69787	1.85403	2.2	1.59999	9.38542	0.0314	9.38138	220424952	4020325	74
08/24/2017 18:12:53	16.67392	16.70191	16.64872	731.13226	731.29998	731	25.17652	25.3	25	23.32036	23.9	22.7	20.90278	21.03037	20.72558	1.85616	2.4	1.39999	9.46883	0.07232	9.465	220424952	4020325	74
08/24/2017 18:17:53	16.67392	16.70191	16.64872	731.13226	731.29998	731	25.17652	25.3	25	23.32036	23.9	22.7	20.90278	21.03037	20.72558	1.85616	2.4	1.39999	9.55222	0.12243	9.54805	220424952	4020325	74
08/24/2017 18:22:53	16.67333	16.70476	16.63759	731.02319	731.20001	730.90002	24.8661	25	24.7	22.5144	22.7	22.2	20.88206	20.97495	20.69787	2.3517	2.69999	2	9.63562	0.02673	9.63166	220424952	4020325	74
08/24/2017 18:27:53	16.67333	16.70476	16.63759	731.02319	731.20001	730.90002	24.8661	25	24.7	22.5144	22.7	22.2	20.88206	20.97495	20.69787	2.3517	2.69999	2	9.71904	0.00405	9.71472	220424952	4020325	74
08/24/2017 18:32:53	16.67546	16.7024	16.65036	730.77484	731	730.60003	24.37687	24.6	24.3	22.38324	22.5	22.2	20.77182	20.91954	20.64246	1.99362	2.19999	1.8	9.80245	0.03172	9.79833	220424952	4020325	74
08/24/2017 18:37:53	16.67423	16.71145	16.64431	730.63226	730.90002	730.5	24.20262	24.4	24	22.17314	22.4	21.8	20.77735	20.91954	20.58704	2.02947	2.5	1.59999	9.88586	0.03168	9.88166	220424952	4020325	74
08/24/2017 18:42:53	16.67466	16.69747	16.64567	730.65338	730.79998	730.60003	23.96578	24.3	23.8	21.91345	22.2	21.6	20.78128	20.89183	20.64246	2.05233	2.3	1.69999	9.96926	0.13119	9.965	220424952	4020325	74
08/24/2017 18:47:53	16.67466	16.69747	16.64567	730.65338	730.79998	730.60003	23.96578	24.3	23.8	21.91345	22.2	21.6	20.78128	20.89183	20.64246	2.05233	2.3	1.69999	10.05267	0.00911	10.04805	220424952	4020325	74
08/24/2017 18:52:53	16.67485	16.69762	16.64824	730.5849	730.70001	730.5	23.77424	24	23.5	21.66644	21.8	21.5	20.76975	20.89183	20.61475	2.1078	2.3	1.8	10.13607	0.04062	10.13138	220424952	4020325	74
08/24/2017 18:57:53	16.67442	16.70017	16.64835	730.51416	730.79998	730.40002	23.51346	23.7	23.3	21.42653	21.8	21.2	20.711	20.83641	20.55933	2.08693	2.4	1.8	10.21947	0.04062	10.21472	220424952	4020325	74
08/24/2017 19:02:53	16.67422	16.69771	16.6484	730.50372	730.60003	730.40002	23.27398	23.5	22.9	21.04378	21.3	20.7	20.7006	20.86412	20.50392	2.23019	2.5	2	10.30287	0.02238	10.29805	220424952	4020325	74
08/24/2017 19:07:53	16.67375	16.70913	16.65094	730.42346	730.60003	730.40002	23.00639	23.2	22.8	20.60978	20.9	20.4	20.70544	20.86412	20.53163	2.39661	2.69999	1.99999	10.38625	0.00477	10.38138	220424952	4020325	74
08/24/2017 19:12:53	16.6741	16.70115	16.64824	730.43823	730.60003	730.40002	22.47021	22.6	22.2	19.82285	20.1	19.5	20.59391	20.8087	20.47621	2.64736	2.9	2.4	10.46966	0.03135	10.465	220424952	4020325	74
08/24/2017 19:17:53	16.6741	16.70115	16.64824	730.43823	730.60003	730.40002	22.47021	22.6	22.2	19.82285	20.1	19.5	20.59391	20.8087	20.47621	2.64736	2.9	2.4	10.55307	0.00907	10.54805	220424952	4020325	74
08/24/2017 19:22:53	16.67472	16.6934	16.65168	730.41644	730.5	730.40002	21.76643	22	21.6	19.23021	19.4	19.1	20.46519	20.58704	20.33767	2.53622	2.8	2.3	10.63645	0.08069	10.63166	220424952	4020325	74
08/24/2017 19:27:53	16.67365	16.69695	16.65028	730.4151	730.5	730.40002	21.4568	21.6	21.3	18.94376	19.1	18.7	20.45555	20.55933	20.36538	2.51304	2.69999	2.29999	10.71985	0.07153	10.715	220424952	4020325	74
08/24/2017 19:32:53	16.67365	16.69695	16.65028	730.4151	730.5	730.40002	21.4568	21.6	21.3	18.94376	19.1	18.7	20.45555	20.55933	20.36538	2.51304	2.69999	2.29999	10.80325	0.09094	10.79805	220424952	4020325	74
08/24/2017 19:37:53	16.6743	16.69685	16.64643	730.42822	730.5	730.40002	20.81987	21.1	20.4	18.00978	18.5	17.5	20.49598	20.61475	20.36538	2.81008	3.2	2.5	10.88665	0.0228	10.88166	220424952	4020325	74
08/24/2017 19:42:53	16.6743	16.69685	16.64643	730.42822	730.5	730.40002	20.81987	21.1	20.4	18.00978	18.5	17.5	20.49598	20.61475	20.36538	2.81008	3.2	2.5	10.97005	0	10.96472	220424952	4020325	74
08/24/2017 19:47:53	16.67541	16.7009	16.64569	730.52417	730.60003	730.5	19.90014	20.2	19.7	17.12931	17.5	17	20.55156	20.64246	20.42079	2.77082	3.1	2.59999	11.05346	0.02283	11.04833	220424952	4020325	74
08/24/2017 19:52:53	16.67575	16.69063	16.65052	730.52417	730.60003	730.5	19.90014	20.2	19.7	17.12931	17.5	17	20.55156	20.64246	20.42079	2.77082	2.8	2.09999	11.13688	0.02283	11.13166	220424952	4020325	74
08/24/2017 19:57:53	16.67575	16.69063	16.65052	730.51001	730.70001	730.5	19.4807	19.8	19.2	17.07052	17.1	17	20.56806	20.64246	20.47621	2.41017	2.8	2.09999	11.22031	0.02283	11.21472	220424952	4020325	74
08/24/2017 20:02:53	16.67551	16.69546	16.65052	730.50335	730.60003	730.40002	19.08709	19.3	18.7	17.03661	17.3	16.9	20.5761	20.67017	20.50392	2.05048	2.2	1.79999	11.30372	0.04002	11.29805	220424952	4020325	74
08/24/2017 20:07:53	16.67379	16.70762	16.65216	730.48596	730.60003	730.40002	18.66617	19	18.4	16.77317	17	16.5	20.59566	20.69787	20.50392	1.893	2	1.4	11.38715	0.02289	11.38166	220424952	4020325	74
08/24/2017 20:12:53	16.67654	16.7012	16.65951	730.40911	730.5	730.40002	18.3307	18.6	18	16.56752	16.8	16.4	20.64704	20.86412	20.53163	1.76318	2	1.4	11.47055	0.03997	11.46472	220424952	4020325	74
08/24/2017 20:17:53	16.67321	16.69404	16.654	730.36975	730.5	730.29998	17.64067	17.9	17.2	16.10079	16.2	15.9	20.81033	20.89183	20.69787	1.53988	1.89999	1.29999	11.55398	0	11.54833	220424952	4020325	74
08/24/2017 20:22:53	16.67321	16.69404	16.654	730.36975	730.5	730.29998	17.64067	17.9	17.2	16.10079	16.2	15.9	20.81033	20.89183	20.69787	1.53988	1.89999	1.29999	11.6374	0.01693	11.63138	220424952	4020325	74
08/24/2017 20:27:53	16.67383	16.69897	16.64832	730.67651	730.70001	730.60003	16.96012	17.2	16.7	15.59034	15.8	15.3	20.85182	20.91954	20.75329	1.36977	1.8	1.09999	11.72083	0.03983	11.715	220424952	4020325	74
08/24/2017 20:32:53	16.67383	16.69897	16.64832	730.67651	730.70001	730.60003	16.96012	17.2	16.7	15.59034	15.8	15.3	20.85182	20.91954	20.75329	1.36977	1.8	1.09999	11.80423	0.09634	11.79805	220424952	4020325	74
08/24/2017 20:37:53	16.67316	16.69471	16.6505	730.77349	730.79998	730.70001	16.67353	16.9	16.5	15.27297	15.6	15.1	20.83991	20.91954	20.75329	1.40056	1.59999	1.09999	11.88766	0.06277	11.88138	220424952	4020325	74
08/24/2017 20:42:53	16.67468	16.69123	16.65776	730.70001	730.70001	730.70001	16.07652	16.3	16	15.15713	15.2	15.1	20.87739	20.97495	20.781	0.91939	1.19999	0.8	11.97105	0.03977	11.965	220424952	4020325	74
08/24/2017 20:47:53	16.67468	16.69123	16.65776	730.70001	730.70001	730.70001	16.07652	16.3	16	15.15713	15.2	15.1	20.87739	20.97495	20.781	0.91939	1.19999	0.8	12.05445	0	12.04805	220424952	4020325	74
08/24/2017 20:52:53	16.67391	16.69123	16.65602	730.71099	730.79998	730.70001	15.89262	16.1	15.7	15.06976	15.2	14.9	20.92405	21.03037	20.8087	0.82285	1.09999	0.5	12.13787	0	12.13138	220424952	4020325	74
08/24/2017 20:57:53	16.67583	16.69984	16.64877	730.79998	730.79998	730.79998	15.61289	16	15.4	15.05711	15.1	14.9	20.90693	20.97495	20.83641	0.55578	1	0.29999	12.22131	0.03975	12.21472	220424952	4020325	74
08/24/2017 21:02:53	16.6761	16.69984	16.64058	730.79998	730.79998	730.79998	15.35357	15.6	15.1	15.05301	15.2	14.7	20.92072	20.97495	20.83641	0.30055	0.69999	0	12.30472	0.03975	12.29805	220424952	4020325	74
08/24/2017 21:07:53	16.67608	16.68868	16.65993	730.79998	730.79998	730.79998	15.22014	15.4	15	15.06306	15.1	14.9	20.92717	21.00266	20.83641	0.16378	0.4	0	12.38817	0.04601	12.38138	220424952	4020325	74
08/24/2017 21:12:53	16.67529	16.69338	16.65993	730.79998	730.79998	730.79998	15.02318	15.3	14.8	15.06004	15.2	14.9	20.93699	21.00266	20.86412	0.10334	0.4	0	12.47162	0.02301	12.465	220424952	4020325	74
08/24/2017 21:17:53	16.67507	16.68868	16.65993	730.80096	730.90002	730.79998	14.84207	15	14.7	14.93292	15.1	14.7	20.94455	21.00266	20.89183	0.11683	0.4	0	12.55504	0.07949	12.54805	220424952	4020325	74
08/24/2017 21:22:53	16.67435	16.70921	16.64527	730.80896	730.90002	730.79998	14.6002	14.8	14.4	14.76064	14.9	14.5	20.95844	21.03037	20.86412	0.18059	0.5	0	12.63845	0.01544	12.63166	220424952	4020325	74
08/24/2017 21:27:53	16.67435	16.70921	16.64527	730.80896	730.90002	730.79998	14.6002	14.8	14.4	14.76064	14.9	14.5	20.95844	21.03037	20.86412	0.18059	0.5	0	12.72186	0.00906	12.71472	220424952	4020325	74
08/24/2017 21:32:53	16.6746	16.71568	16.64058	730.802	730.90002	730.79998	14.33024	14.4	14.2	14.69708	15	14.5	21.00654	21.08578	20.91954	0.36684	0.6	0.2	12.80528	0.02303	12.79833	220424952	4020325	74

08/24/2017 21:37:53	16.67477	16.69628	16.65854	730.83618	730.90002	730.79998	14.23779	14.4	14.1	14.60075	14.7	14.5	21.01512	21.1412	20.91954	0.36295	0.5	0.1	12.8887	0.00907	12.88166	220424952	4020325	74
08/24/2017 21:42:53	16.67477	16.69628	16.65854	730.83618	730.90002	730.79998	14.23779	14.4	14.1	14.60075	14.7	14.5	21.01512	21.1412	20.91954	0.36295	0.5	0.1	12.97208	0.02305	12.96472	220424952	4020325	74
08/24/2017 21:47:53	16.67449	16.69193	16.65209	730.90002	730.90002	730.90002	14.17055	14.3	14.1	14.46398	14.6	14.3	21.0091	21.11349	20.91954	0.29342	0.4	0.19999	13.05549	0.09225	13.04805	220424952	4020325	74
08/24/2017 21:52:53	16.67431	16.70306	16.65209	730.90002	730.90002	730.90002	14.09637	14.3	13.9	14.43465	14.5	14.1	21.03719	21.11349	20.94725	0.33828	0.6	0	13.13889	0.05627	13.13138	220424952	4020325	74
08/24/2017 21:57:53	16.67481	16.69659	16.65209	730.90002	730.90002	730.90002	13.95652	14.1	13.7	14.41053	14.5	14.3	21.04866	21.11349	20.97495	0.454	0.8	0.19999	13.2223	0.0793	13.21472	220424952	4020325	74
08/24/2017 22:02:53	16.67482	16.69659	16.65494	730.92321	731	730.90002	13.74285	13.9	13.6	14.3664	14.5	14.1	21.05623	21.11349	21.00266	0.62355	0.8	0.2	13.30574	0.05624	13.29833	220424952	4020325	74
08/24/2017 22:07:53	16.67482	16.69659	16.65494	730.92321	731	730.90002	13.74285	13.9	13.6	14.3664	14.5	14.1	21.05623	21.11349	21.00266	0.62355	0.8	0.2	13.38916	0.01556	13.38138	220424952	4020325	74
08/24/2017 22:12:53	16.67528	16.70124	16.65494	730.91919	731	730.90002	13.6246	13.7	13.3	14.10002	14.3	14	21.07113	21.16891	21.00266	0.47542	0.8	0.3	13.47257	0.0256	13.465	220424952	4020325	74
08/24/2017 22:17:53	16.67528	16.70124	16.65494	730.91919	731	730.90002	13.6246	13.7	13.3	14.10002	14.3	14	21.07113	21.16891	21.00266	0.47542	0.8	0.3	13.55598	0.02308	13.54805	220424952	4020325	74
08/24/2017 22:22:53	16.67443	16.69037	16.65057	730.97039	731	730.90002	13.57456	13.7	13.3	14.00715	14.3	13.9	21.07842	21.1412	21.00266	0.43259	0.8	0.2	13.63938	0.0858	13.63138	220424952	4020325	74
08/24/2017 22:27:53	16.67451	16.69037	16.66168	730.94061	731	730.90002	13.40688	13.6	13.2	13.96049	14.1	13.9	21.07776	21.16891	21.00266	0.55361	0.8	0.3	13.7228	0.04869	13.715	220424952	4020325	74
08/24/2017 22:32:53	16.67451	16.69037	16.66168	730.94061	731	730.90002	13.40688	13.6	13.2	13.96049	14.1	13.9	21.07776	21.16891	21.00266	0.55361	0.8	0.3	13.80623	0.05605	13.79805	220424952	4020325	74
08/24/2017 22:37:53	16.67581	16.69962	16.66168	730.93011	731	730.90002	13.35706	13.6	13.1	13.87024	14	13.8	21.11774	21.19662	21.03037	0.51318	0.7	0.19999	13.88962	0.01649	13.88138	220424952	4020325	74
08/24/2017 22:42:53	16.6784	16.69292	16.65311	730.901	731	730.90002	13.16722	13.3	13.1	13.84322	14	13.8	21.1353	21.22433	21.05807	0.676	0.9	0.5	13.97307	0.00742	13.965	220424952	4020325	74
08/24/2017 22:47:53	16.6784	16.69292	16.65311	730.901	731	730.90002	13.16722	13.3	13.1	13.84322	14	13.8	21.1353	21.22433	21.05807	0.676	0.9	0.5	14.05651	0	14.04805	220424952	4020325	74
08/24/2017 22:52:53	16.67614	16.69754	16.64411	730.91211	731	730.90002	13.12686	13.3	13	13.76718	13.9	13.5	21.12713	21.22433	21.00266	0.64031	0.8	0.4	14.13992	0.06267	14.13138	220424952	4020325	74
08/24/2017 22:57:53	16.67524	16.69106	16.64942	730.90911	731	730.90002	13.00288	13.1	12.7	13.69046	13.9	13.4	21.153	21.22433	21.05807	0.68758	1.09999	0.3	14.22334	0.02313	14.215	220424952	4020325	74
08/24/2017 23:02:53	16.67457	16.6827	16.64107	730.90002	730.90002	730.90002	12.94656	13.1	12.7	13.40403	13.5	13.2	21.1886	21.25203	21.1412	0.45747	0.8	0.2	14.30678	0.02313	14.29833	220424952	4020325	74
08/24/2017 23:07:53	16.67457	16.6827	16.64107	730.90002	730.90002	730.90002	12.94656	13.1	12.7	13.40403	13.5	13.2	21.1886	21.25203	21.1412	0.45747	0.8	0.2	14.3902	0.01638	14.38138	220424952	4020325	74
08/24/2017 23:12:53	16.67492	16.68729	16.65215	730.90002	730.90002	730.90002	12.8692	13.1	12.7	13.3237	13.5	13.2	21.18569	21.25203	21.11349	0.4545	0.7	0.2	14.47362	0.12524	14.46472	220424952	4020325	74
08/24/2017 23:17:53	16.67694	16.70104	16.65483	730.90002	730.90002	730.90002	12.65965	13	12.5	12.97665	13.1	12.8	21.25437	21.36287	21.11349	0.317	0.6	0	14.55704	0.00686	14.54833	220424952	4020325	74
08/24/2017 23:22:53	16.67694	16.70104	16.65483	730.90002	730.90002	730.90002	12.65965	13	12.5	12.97665	13.1	12.8	21.25437	21.36287	21.11349	0.317	0.5	0.09999	14.64047	0.03011	14.63166	220424952	4020325	74
08/24/2017 23:27:53	16.67488	16.71212	16.65291	730.90002	730.90002	730.90002	12.57752	12.7	12.4	12.86288	13.1	12.6	21.2688	21.39058	21.16891	0.28536	0.5	0.09999	14.72393	0.03944	14.71472	220424952	4020325	74
08/24/2017 23:32:53	16.67384	16.70366	16.65746	730.90002	730.90002	730.90002	12.51644	12.6	12.4	12.7764	12.9	12.6	21.31404	21.41828	21.19662	0.25996	0.4	0.1	14.80735	0.06955	14.79805	220424952	4020325	74
08/24/2017 23:37:53	16.67304	16.68997	16.64834	730.90002	730.90002	730.90002	12.41361	12.6	12.1	12.78325	13.1	12.6	21.3163	21.41828	21.19662	0.36963	0.69999	0.1	14.89076	0.07196	14.88138	220424952	4020325	74
08/24/2017 23:42:53	16.67547	16.70104	16.64641	730.90002	730.90002	730.90002	12.3333	12.5	12.1	12.7331	13.1	12.6	21.29753	21.39058	21.16891	0.3998	0.8	0.3	14.97419	0	14.965	220424952	4020325	74
08/24/2017 23:47:53	16.67397	16.69259	16.64834	730.90002	730.90002	730.90002	12.25626	12.4	12.1	12.80103	13.1	12.6	21.29111	21.36287	21.19662	0.54476	0.8	0.3	15.05758	0.09507	15.04805	220424952	4020325	74
08/24/2017 23:52:53	16.67548	16.69715	16.65746	730.90002	730.90002	730.90002	12.15643	12.3	12	12.65378	12.8	12.5	21.31878	21.44599	21.19662	0.49734	0.7	0.2	15.14097	0.14148	15.13138	220424952	4020325	74
08/24/2017 23:57:53	16.67568	16.70169	16.65096	730.90002	730.90002	730.90002	11.95258	12.1	11.8	12.63328	12.8	12.5	21.37916	21.4737	21.27974	0.6807	0.9	0.5	15.22436	0.03942	15.215	220424952	4020325	74
08/25/2017 00:02:53	16.67568	16.70169	16.65096	730.90002	730.90002	730.90002	11.95258	12.1	11.8	12.63328	12.8	12.5	21.37916	21.4737	21.27974	0.6807	0.9	0.5	15.30779	0.11834	15.29833	220424952	4020325	74
08/25/2017 00:07:53	16.67474	16.70366	16.65291	730.90002	730.90002	730.90002	11.87053	12	11.8	12.717	12.9	12.5	21.37111	21.44599	21.27974	0.84647	1.1	0.6	15.39124	0.02319	15.38138	220424952	4020325	74
08/25/2017 00:12:53	16.6738	16.70424	16.64895	730.81005	730.90002	730.79998	11.82076	12	11.7	12.50468	12.6	12.2	21.45344	21.52911	21.36287	0.68391	0.9	0.4	15.47464	0.03025	15.465	220424952	4020325	74
08/25/2017 00:17:53	16.6738	16.70424	16.64895	730.81005	730.90002	730.79998	11.82076	12	11.7	12.50468	12.6	12.2	21.45344	21.52911	21.36287	0.68391	0.9	0.4	15.55805	0.02324	15.54805	220424952	4020325	74
08/25/2017 00:22:53	16.67555	16.70026	16.63854	730.79998	730.79998	730.79998	11.78147	12	11.5	12.20576	12.5	12.1	21.47044	21.55682	21.39058	0.42429	0.7	0.2	15.64151	0.02323	15.63138	220424952	4020325	74
08/25/2017 00:27:53	16.67407	16.70026	16.66062	730.79998	730.79998	730.79998	11.71287	11.8	11.4	12.11312	12.2	12	21.50405	21.58453	21.39058	0.40025	0.6	0.2	15.72493	0.05549	15.71472	220424952	4020325	74
08/25/2017 00:32:53	16.67373	16.69825	16.6541	730.79998	730.79998	730.79998	11.60654	11.8	11.3	12.04316	12.1	11.9	21.49302	21.58453	21.39058	0.43661	0.7	0.3	15.80832	0.14125	15.79805	220424952	4020325	74
08/25/2017 00:37:53	16.67455	16.69825	16.64759	730.79998	730.79998	730.79998	11.43084	11.7	11.3	11.98742	12.1	11.9	21.52762	21.61224	21.39058	0.55658	0.8	0.2	15.89172	0.01611	15.88166	220424952	4020325	74
08/25/2017 00:42:53	16.67455	16.69825	16.64759	730.79998	730.79998	730.79998	11.43084	11.7	11.3	11.98742	12.1	11.9	21.52762	21.61224	21.39058	0.55658	0.7	0	15.97508	0.01609	15.965	220424952	4020325	74
08/25/2017 00:47:53	16.67594	16.70071	16.65661	730.79998	730.79998	730.79998	11.40398	11.7	11.2	11.8731	12	11.7	21.55459	21.63995	21.4737	0.46911	0.7	0	16.0585	0	16.04805	220424952	4020325	74
08/25/2017 00:52:53	16.67561	16.69825	16.65862	730.79998	730.79998	730.79998	11.35347	11.7	11.2	12.00668	12.1	11.9	21.5347	21.63995	21.44599	0.6532	0.9	0.2	16.14194	0.06259	16.13139	220424952	4020325	74
08/25/2017 00:57:53	16.67531	16.69172	16.6541	730.79998	730.79998	730.79998	11.26391	11.4	11.1	11.96975	12.1	11.9	21.57475	21.63995	21.5014	0.70584	0.9	0.6	16.22535	0.02326	16.215	220424952	4020325	74
08/25/2017 01:02:53	16.67531	16.69172	16.6541	730.79998	730.79998	730.79998	11.26391	11.4	11.1	11.96975	12.1	11.9	21.57475	21.63995	21.5014	0.70584	0.9	0.6	16.30873	0.00722	16.29805	220424952	4020325	74
08/25/2017 01:07:53	16.67424	16.68975	16.65915	730.73468	730.79998	730.70001	11.13027	11.3	10.9	11.84248	12	11.7	21.5807	21.72307	21.4737	0.7122	0.9	0.4	16.39213	0.08586	16.38166	220424952	4020325	74
08/25/2017 01:12:53	16.67424	16.68975	16.65915	730.73468	730.79998	730.70001	11.13027	11.3	10.9	11.84248	12	11.7	21.5807	21.72307	21.4737	0.7122	0.9	0.4	16.47533	0.03933	16.46472	220424952	4020325	74
08/25/2017 01:17:53	16.67243	16.68975	16.64813	730.70001	730.70001	730.70001	11.07647	11.2	10.9	11.84348	12	11.6	21.6386	21.75078	21.52911	0.76701	1	0.5	16.55853	0.0787	16.54805	220424952	4020325	74
08/25/2017 01:22:53	16.67209	16.69426	16.64813	730.70001	730.70001	730.70001	11.05363	11.2	10.9	11.76052	11.9	11.6	21.68347	21.77848	21.58453	0.70689	1	0.4	16.64174	0.02327	16.63139	220424952	4020325	74
08/25/2017 01:27:53	16.67295	16.69426	16.65263	730.70001	730.70001	730.70001	10.95307	11.1	10.7	11.67298	11.9	11.5	21.67111	21.75078	21.58453	0.71991	1.1	0.4	16.72494	0.07858	16.71472	220424952	4020325	74
08/25/2017 01:32:53	16.6734	16.7053	16.64611	730.70001	730.70001	730.70001	10.91006	11.1	10.7	11.63051	11.9	11.4	21.69496	21.77848	21.58453	0.72045	1	0.3	16.80815	0.03195	16.79805	220424952	4020325	74
08/25/2017 01:37:53	16.67616	16.70325	16.65713	730.70001	730.70001	730.70001	10.9	11.1	10.7	11.53758	11.7	11.4	21.77564	21.86161	21.66766	0.63758	1	0.3	16.89135	0.02328	16.88139	220424952	4020325	74
08/25/2017 01:42:53	16.67694	16.69223	16.63959	730.70001	730.70001	730.70001	10.86082	11.1	10.6	11.4932	11.7	11.4	21.7866	21.88932	21.69536	0.63237	0.9	0.4	16.97456	0.00725	16.96472	220424952	4020325	74
08/25/2017 01:47:53	16.67496	16.69926	16.65314	730.64886	730.70001	730.60003	10.77369	10.9	10.7	11.50941	11.7	11.4	21.81439	21.88932	21.75078	0.73571	1	0.5	17.05776	0.07859	17.04833	220424952	4020325	74
08/25/2017 01:52:53	16.67496	16.69926	16.65314	730.64886	730.70001	730.60003	10.77369	10.9	10.7	11.50941	11.7	11.4	21.81439	21.88932	21.75078	0.73571	1	0.5	17.14097	0	17.13139	220424952	4020325	74
08/25/2017 01:57:53	16.67525	16.6972	16.65557	730.60003	730.60003	730.60003	10.7202	10.9	10.6	11.37	11.5	11.1	21.84316	21.91703	21.75078	0.6498	0.8	0.3	17.22417	0.01595	17.21472	220424952	4020325	74
08/25/2017 02:02:53	16.67555	16.6972	16.64457	730.61993	730.70001	730.60003	10.62598	10.8	10.5	11.34557	11.5	11.1	21.85772	21.94473	21.77848	0.71959	1	0.4	17.30737	0	17.29833	220424952	4020325	74
08/25/2017 02:07:53	16.67516	16.6972	16.64203	730.63971	730.70001	730.60003	10.58382	10.7	10.5	11.35844	11.5	11.1	21.85487	21.97244	21.77848	0.77462	1	0.4	17.39058	0.04661	17.38166	220424952	4020325	74
08/25/2017 02:12:52	16.67516	16.6972	16.64203	730.63971	730.70001	730.60003	10.58382	10.7	10.5	11.35844	11.5	11.1	21.85487	21.97244	21.77848	0.77462	1	0.4	17.47378	0.03926	17.46472	220424952	4020325	74
08/25/2017 02:17:52	16.67702	16.6972	16.64903	730.60003	730.60003	730.60003	10.56334	10.7	10.3	11.17893	11.4	11	21.91604	22.00015	21.80619	0.61558	1	0.4	17.55698	0.01592	17.54805	220424952	4020325	74
08/25/2017 02:22:53	16.67637	16.6972	16.64903	730.60003	730.60003	730.60003	10.49479	10.6	10.2	11.14711	11.4	11	21.93243	22.00015	21.77848	0.65232	1	0.5	17.64019	0	17.63139	220424952	4020325	74
08/25/2017 02:27:52	16.67693	16.6972	16.65557	730.59527	730.60003	730.5	10.45078	10.7	10.2	11.23792	11.4	11	21.95081	22.00015	21.86161	0.78713	1.1	0.4	17.7234	0.03924	17.71472	220424952	4020325	74
08/25/2017 02:32:53	16.67401	16.69066	16.6495	730.51648	730.60003	730.5	10.38287	10.6	10.3	11.02992	11.3	10.8	22.01856	22.11098	21.91703	0.64705	0.8	0.3	17.8066	0.01588	17.79833	220424952	4020325	74
08/25/2017 02:37:53	16.67497	16.69303	16.6535	730.53204	730.60003	730.5	10.31004	10.5	10.1	10.95046	11.1	10.8	22.00192	22.08327	21.91703	0.64041	0.9	0.4	17.88981	0.07846	17.88166	220424952	4020325	74
08/25/2017 02:42:53	16.67497	16.69303	16.6535	730.53204	730.60003	730.5	10.31004	10.5	10.1	10.95046	11.1	10.8	22.00192	22.08327	21.91703	0.64041	0.9	0.4	17.97301	0.03919	17.965	220424952	4020325	74
08/25/2017 02:47:53	16.67564	16.69093	16.6535	730.60003	730.60003	730.60003	10.31712	10.5	10.2	10.88987	11	10.8	22.0012	22.08327	21.86161	0.57274	0.7	0.3	18.05622	0	18.04805	220424952	4020325	74
08/25/2017 02:52:52	16.67488	16.69958	16.6535	730.60003	730.60003	730.60003	10.2808	10.5	10.1	10.92019	11.1	10.8	22.04671	22.13869	21.97244	0.63939	0.8	0.3	18.13943	0.06253	18.13139	220424952	4020325	74
08/25/2017 02:57:52	16.67662	16.69958	16.64696	730.60003	730.60003	730.60003	10.24277	10.5	10.1	10.87946	11.1	10.8	22.05017	22.13869	21.97244	0.63668	0.8	0.4	18.22263	0.02334	18.21472	220424952	4020325	74
08/25/2017 03:02:53	16.67626	16.70003	16.65795	730.57714	730.60003	730.5	10.1795	10.3	10	10.84648	11	10.8	22.09598	22.24952	21.97244	0.66698	0.9	0.5	18.30584	0.00907	18.29833	220424952	4020325	74
08/25/2017 03:07:52	16.67626	16.70003	16.65795	730.57714	730.60003	730.5	10.1795	10.3	10	10.84648	11	10.8	22.09598	22.24952	21.97244	0.66698	0.9	0.5	18.38904	0	18.38139	220424952	4020325	74
08/25/2017 03:12:53	16.67578	16.69093	16.65604	730.59161	730.60003	730.5	10.14005	10.2	10	10.88989	11	10.8	22.13327	22.22181	22.02786	0.74984	0.9	0.6	18.47224	0.01585	18.465	220424952	4020325	74
08/25/2017 03:17:52	16.67578	16.69093	16.65604	730.59161	730.60003	730.5	10.14005	10.2	10	10.88989	11	10.8	22.13327	22.22181	22.02786	0.74984	0.9	0.6	18.55545	0.01506	18.54805	220424952	4020325	74
08/25/2017 03:22:52	16.67681	16.69748	16.64931	730.60003	730.60003	730.60003	10.10673	10.2	10	10.79527	10.9	10.5	22.1152	22.24952	22.05556	0.68853	0.8	0.4	18.63865	0	18.63139	220424952	4020325	74
08/25/2017 03:27:53	16.6748	16.68903	16.66049	730.5	730.5	730.5	10.07342	10.2	9.9	10.84613	10.9	10.8	22.18114	22.24952	22.11098	0.77271	0.9	0.6	18.72185	0	18.715	220424952	4020325	74

08/25/2017 03:32:52	16.6748	16.68903	16.66049	730.5	730.5	730.5	10.07342	10.2	9.9	10.84613	10.9	10.8	22.18114	22.24952	22.11098	0.77271	0.9	0.6	18.80506	0.03091	18.79805	220424952	4020325	74
08/25/2017 03:37:53	16.67508	16.70702	16.65439	730.42181	730.5	730.40002	10.04969	10.3	9.7	10.67246	10.8	10.5	22.21335	22.30494	22.13869	0.62277	0.8	0.4	18.88827	0.07008	18.88166	220424952	4020325	74
08/25/2017 03:42:52	16.67508	16.70702	16.65439	730.42181	730.5	730.40002	10.04969	10.3	9.7	10.67246	10.8	10.5	22.21335	22.30494	22.13869	0.62277	0.8	0.4	18.97147	0.03914	18.96472	220424952	4020325	74
08/25/2017 03:47:53	16.67629	16.70046	16.65882	730.40002	730.40002	730.40002	10.00202	10.2	9.7	10.47991	10.7	10.4	22.24671	22.36036	22.1664	0.47788	0.8	0.3	19.05468	0	19.04833	220424952	4020325	74
08/25/2017 03:52:52	16.67629	16.70046	16.65882	730.40002	730.40002	730.40002	10.00202	10.2	9.7	10.47991	10.7	10.4	22.24671	22.36036	22.1664	0.47788	0.8	0.3	19.13788	0	19.13139	220424952	4020325	74
08/25/2017 03:57:53	16.67611	16.70046	16.65439	730.40002	730.40002	730.40002	9.88992	10.1	9.7	10.58053	10.8	10.4	22.29119	22.36036	22.1664	0.6906	1.1	0.4	19.22109	0	19.215	220424952	4020325	74
08/25/2017 04:02:52	16.67611	16.70046	16.65439	730.40002	730.40002	730.40002	9.88992	10.1	9.7	10.58053	10.8	10.4	22.29119	22.36036	22.1664	0.6906	1.1	0.4	19.30429	0.00761	19.29805	220424952	4020325	74
08/25/2017 04:07:53	16.67579	16.70046	16.65882	730.40002	730.40002	730.40002	9.77382	10	9.7	10.41275	10.7	10.2	22.33664	22.38806	22.27723	0.63893	1	0.3	19.3875	0.01576	19.38166	220424952	4020325	74
08/25/2017 04:12:52	16.67579	16.70046	16.65882	730.40002	730.40002	730.40002	9.77382	10	9.7	10.41275	10.7	10.2	22.33664	22.38806	22.27723	0.63893	1	0.3	19.4707	0.00828	19.46472	220424952	4020325	74
08/25/2017 04:17:52	16.67678	16.68947	16.6434	730.40002	730.40002	730.40002	9.75706	10	9.6	10.49865	10.8	10.4	22.3334	22.41577	22.24952	0.74159	1.1	0.4	19.55391	0.0475	19.54805	220424952	4020325	74
08/25/2017 04:22:52	16.67561	16.69602	16.65439	730.39904	730.40002	730.29998	9.71745	10	9.6	10.72014	10.9	10.5	22.34296	22.44348	22.24952	1.00269	1.2	0.6	19.63711	0.01584	19.63166	220424952	4020325	74
08/25/2017 04:27:52	16.67561	16.69602	16.65439	730.39904	730.40002	730.29998	9.71745	10	9.6	10.72014	10.9	10.5	22.34296	22.44348	22.24952	1.00269	1.2	0.6	19.72031	0	19.71472	220424952	4020325	74
08/25/2017 04:32:52	16.67646	16.69602	16.6434	730.39398	730.40002	730.29998	9.70404	9.9	9.6	10.6342	10.8	10.5	22.34001	22.38806	22.24952	0.93016	1.2	0.6	19.80353	0	19.79805	220424952	4020325	74
08/25/2017 04:37:52	16.67635	16.70702	16.65439	730.40002	730.40002	730.40002	9.67649	9.9	9.6	10.52354	10.8	10.4	22.33664	22.41577	22.22181	0.84705	1.2	0.6	19.88673	0	19.88139	220424952	4020325	74
08/25/2017 04:42:53	16.6756	16.71801	16.64784	730.37719	730.40002	730.29998	9.68113	10	9.6	10.43353	10.8	10.2	22.3835	22.44348	22.27723	0.7524	1.2	0.4	19.96994	0.07767	19.965	220424952	4020325	74
08/25/2017 04:47:52	16.6756	16.71801	16.64784	730.37719	730.40002	730.29998	9.68113	10	9.6	10.43353	10.8	10.2	22.3835	22.44348	22.27723	0.7524	1.2	0.4	20.05314	0.00764	20.04805	220424952	4020325	74
08/25/2017 04:52:53	16.6757	16.69832	16.65669	730.40002	730.40002	730.40002	9.66113	9.9	9.5	10.36976	10.5	10.2	22.35169	22.44348	22.27723	0.70862	0.9	0.4	20.13634	0.03914	20.13166	220424952	4020325	74
08/25/2017 04:57:52	16.6757	16.69832	16.65669	730.40002	730.40002	730.40002	9.66113	9.9	9.5	10.36976	10.5	10.2	22.35169	22.44348	22.27723	0.70862	0.9	0.4	20.21955	0.03102	20.215	220424952	4020325	74
08/25/2017 05:02:52	16.67551	16.69617	16.65669	730.38488	730.40002	730.29998	9.62015	9.7	9.5	10.30594	10.5	10.2	22.42717	22.55431	22.36036	0.68579	0.9	0.5	20.30276	0	20.29805	220424952	4020325	74
08/25/2017 05:07:52	16.6743	16.68989	16.65923	730.29998	730.29998	730.29998	9.60475	9.7	9.4	10.35225	10.5	10.2	22.49705	22.60973	22.41577	0.7475	1.1	0.5	20.38596	0	20.38166	220424952	4020325	74
08/25/2017 05:12:52	16.6743	16.68989	16.65923	730.29998	730.29998	730.29998	9.60475	9.7	9.4	10.35225	10.5	10.2	22.49705	22.60973	22.41577	0.7475	1.1	0.5	20.46916	0.03915	20.46472	220424952	4020325	74
08/25/2017 05:17:52	16.6757	16.69201	16.65882	730.35705	730.40002	730.29998	9.56645	9.7	9.4	10.4564	10.7	10.3	22.4668	22.55431	22.38806	0.88994	1.1	0.6	20.55237	0.03158	20.54833	220424952	4020325	74
08/25/2017 05:22:52	16.6757	16.69201	16.65882	730.35705	730.40002	730.29998	9.56645	9.7	9.4	10.4564	10.7	10.3	22.4668	22.55431	22.38806	0.88994	1.1	0.6	20.63557	0.01576	20.63139	220424952	4020325	74
08/25/2017 05:27:52	16.67575	16.68734	16.65882	730.40002	730.40002	730.40002	9.56304	9.7	9.4	10.44028	10.5	10.3	22.45509	22.55431	22.36036	0.87723	1.1	0.6	20.71877	0.03915	20.715	220424952	4020325	74
08/25/2017 05:32:52	16.67539	16.69176	16.65923	730.38891	730.40002	730.29998	9.53693	9.7	9.4	10.37313	10.5	10.2	22.49219	22.58202	22.41577	0.8362	1.1	0.6	20.80198	0.02242	20.79805	220424952	4020325	74
08/25/2017 05:37:52	16.6759	16.70046	16.65669	730.39898	730.40002	730.29998	9.54285	9.7	9.3	10.441	10.8	10.2	22.50331	22.60973	22.36036	0.89814	1.2	0.6	20.88518	0.03914	20.88139	220424952	4020325	74
08/25/2017 05:42:52	16.67591	16.69176	16.65669	730.38995	730.40002	730.29998	9.52348	9.6	9.4	10.39258	10.5	10.2	22.52759	22.60973	22.36036	0.8691	1	0.6	20.96839	0.02338	20.965	220424952	4020325	74
08/25/2017 05:47:52	16.67591	16.69176	16.65669	730.38995	730.40002	730.29998	9.52348	9.6	9.4	10.39258	10.5	10.2	22.52759	22.60973	22.36036	0.8691	1	0.6	21.05159	0.01572	21.04805	220424952	4020325	74
08/25/2017 05:52:52	16.67592	16.70497	16.65894	730.39801	730.40002	730.29998	9.4638	9.6	9.3	10.17573	10.4	9.9	22.54227	22.63743	22.41577	0.71193	1	0.5	21.1348	0.05488	21.13166	220424952	4020325	74
08/25/2017 05:57:52	16.67592	16.70497	16.65894	730.39801	730.40002	730.29998	9.4638	9.6	9.3	10.17573	10.4	9.9	22.54227	22.63743	22.41577	0.71193	1	0.5	21.218	0.0234	21.21472	220424952	4020325	74
08/25/2017 06:02:52	16.67557	16.694	16.64798	730.40203	730.5	730.40002	9.45973	9.6	9.1	10.11826	10.2	9.9	22.52128	22.66514	22.41577	0.65853	1	0.3	21.3012	0.08593	21.29833	220424952	4020325	74
08/25/2017 06:07:52	16.67557	16.694	16.64798	730.40203	730.5	730.40002	9.45973	9.6	9.1	10.11826	10.2	9.9	22.52128	22.66514	22.41577	0.65853	1	0.3	21.38441	0	21.38139	220424952	4020325	74
08/25/2017 06:12:52	16.67488	16.69577	16.65415	730.43786	730.5	730.40002	9.38322	9.5	9.3	10.1664	10.5	9.9	22.58921	22.63743	22.49889	0.78317	1.1	0.5	21.46761	0.03912	21.465	220424952	4020325	74
08/25/2017 06:17:52	16.67488	16.69577	16.65415	730.43786	730.5	730.40002	9.38322	9.5	9.3	10.1664	10.5	9.9	22.58921	22.63743	22.49889	0.78317	1.1	0.5	21.55082	0.07007	21.54805	220424952	4020325	74
08/25/2017 06:22:52	16.67652	16.69791	16.65185	730.5	730.5	730.5	9.34628	9.5	9.1	10.45485	10.8	10.2	22.57526	22.63743	22.5266	1.10856	1.4	0.9	21.63402	0	21.63139	220424952	4020325	74
08/25/2017 06:27:52	16.67536	16.69558	16.6535	730.54089	730.60003	730.5	9.33691	9.4	9.1	11.02944	11.4	10.8	22.57113	22.63743	22.49889	1.69253	2	1.4	21.71722	0.06993	21.715	220424952	4020325	74
08/25/2017 06:32:52	16.67536	16.69558	16.6535	730.54089	730.60003	730.5	9.33691	9.4	9.1	11.02944	11.4	10.8	22.57113	22.63743	22.49889	1.69253	2	1.4	21.80044	0.12513	21.79805	220424952	4020325	74
08/25/2017 06:37:52	16.67532	16.70822	16.64457	730.60003	730.60003	730.60003	9.39999	9.6	9.3	11.13771	11.4	10.9	22.56437	22.63743	22.47118	1.73772	2.1	1.5	21.88365	0.05506	21.88139	220424952	4020325	74
08/25/2017 06:42:52	16.67451	16.69958	16.6535	730.60003	730.60003	730.60003	9.40673	9.5	9.3	10.94704	11.1	10.8	22.50337	22.63743	22.41577	1.5403	1.8	1.3	21.96685	0	21.96472	220424952	4020325	74
08/25/2017 06:47:52	16.67515	16.69303	16.64696	730.60003	730.60003	730.60003	9.45379	9.6	9.3	10.91601	11	10.8	22.51814	22.60973	22.41577	1.46222	1.7	1.2	22.05006	0	22.04805	220424952	4020325	74
08/25/2017 06:52:52	16.67427	16.69703	16.65095	730.70001	730.70001	730.70001	9.50596	9.7	9.3	10.89661	11.1	10.8	22.46568	22.5266	22.38806	1.39065	1.7	1.2	22.13326	0.02334	22.13166	220424952	4020325	74
08/25/2017 06:57:52	16.67427	16.69703	16.65095	730.70001	730.70001	730.70001	9.50596	9.7	9.3	10.89661	11.1	10.8	22.46568	22.5266	22.38806	1.39065	1.7	1.2	22.21646	0	22.21472	220424952	4020325	74
08/25/2017 07:02:52	16.6747	16.69493	16.65541	730.70001	730.70001	730.70001	9.55291	9.7	9.4	10.87726	11	10.8	22.46497	22.5266	22.38806	1.32435	1.6	1.1	22.29967	0.01584	22.29805	220424952	4020325	74
08/25/2017 07:07:52	16.67536	16.69937	16.6664	730.70001	730.70001	730.70001	9.6336	9.7	9.4	10.84548	11	10.8	22.42708	22.5266	22.36036	1.21187	1.4	1.1	22.38288	0.01584	22.38166	220424952	4020325	74
08/25/2017 07:12:52	16.67536	16.69937	16.6664	730.70001	730.70001	730.70001	9.6336	9.7	9.4	10.84548	11	10.8	22.42708	22.5266	22.36036	1.21187	1.5	0.9	22.46608	0.03924	22.46472	220424952	4020325	74
08/25/2017 07:17:52	16.67685	16.68603	16.66195	730.70001	730.70001	730.70001	9.67979	10	9.6	11.01602	11.1	10.9	22.40673	22.49889	22.27723	1.33622	1.5	0.9	22.54928	0.02333	22.54805	220424952	4020325	74
08/25/2017 07:22:52	16.67605	16.68811	16.65303	730.70001	730.70001	730.70001	9.69499	10	9.6	11.02432	11.3	10.8	22.39473	22.47118	22.24952	1.32932	1.6	1	22.63249	0.04593	22.63139	220424952	4020325	74
08/25/2017 07:27:52	16.67354	16.69493	16.65731	730.79089	730.79998	730.70001	9.74698	10	9.6	10.84289	11	10.7	22.41843	22.49889	22.33265	1.09591	1.3	0.7	22.71569	0.02334	22.715	220424952	4020325	74
08/25/2017 07:32:52	16.67354	16.69493	16.65731	730.79089	730.79998	730.70001	9.74698	10	9.6	10.84289	11	10.7	22.41843	22.49889	22.33265	1.09591	1.3	0.7	22.79889	0	22.79805	220424952	4020325	74
08/25/2017 07:37:52	16.67359	16.69682	16.65731	730.79998	730.79998	730.79998	9.8193	10	9.6	10.86642	11	10.7	22.37349	22.47118	22.24952	1.04712	1.3	0.8	22.8821	0.01599	22.88139	220424952	4020325	74
08/25/2017 07:42:52	16.67525	16.69657	16.65653	730.83789	730.90002	730.79998	9.86796	10.1	9.7	11.1893	11.7	10.8	22.38807	22.49889	22.27723	1.32134	2	0.9	22.96531	0.05549	22.965	220424952	4020325	74
08/25/2017 07:47:52	16.67708	16.71123	16.65407	730.90002	730.90002	730.90002	9.96639	10.1	9.7	11.82107	12.1	11.5	22.32338	22.41577	22.24952	1.85467	2.4	1.5	23.04852	0.0232	23.04805	220424952	4020325	74
08/25/2017 07:52:52	16.67556	16.70111	16.65492	730.97717	731	730.90002	10.15547	10.3	10	12.68242	12.8	12.5	22.22066	22.33265	22.13869	2.52695	2.7	2.3	23.13173	0.08579	23.13166	220424952	4020325	74
08/25/2017 07:57:52	16.67556	16.70111	16.65492	730.97717	731	730.90002	10.15547	10.3	10	12.68242	12.8	12.5	22.22066	22.33265	22.13869	2.52695	2.7	2.3	23.21494	0.06266	23.21472	220424952	4020325	74
08/25/2017 08:02:52	16.67442	16.69584	16.64619	731.04895	731.10003	731	10.62778	10.9	10.3	13.66134	14.1	13.1	22.16836	22.24952	22.05556	3.03356	3.3	2.6	23.29814	0.02309	23.29833	220424952	4020325	74
08/25/2017 08:07:52	16.67473	16.70262	16.64986	731.1101	731.20001	731	11.01098	11.3	10.7	14.05964	14.4	13.9	22.14343	22.24952	22.08327	3.04866	3.3	2.8	23.38135	0.04612	23.38166	220424952	4020325	74
08/25/2017 08:12:52	16.67473	16.70262	16.64986	731.1101	731.20001	731	11.01098	11.3	10.7	14.05964	14.4	13.9	22.14343	22.24952	22.08327	3.04866	3.3	2.8	23.46456	0.05623	23.46472	220424952	4020325	74
08/25/2017 08:17:52	16.67598	16.69614	16.65559	731.14343	731.20001	731.10003	11.37983	11.7	11.2	14.36973	14.5	14.1	22.10219	22.1941	22.02786	2.9899	3.2	2.59999	23.54777	0.07924	23.54805	220424952	4020325	74
08/25/2017 08:22:52	16.67698	16.7008	16.6527	731.22271	731.29998	731.20001	12.01104	12.3	11.8	14.91105	15.2	14.5	22.07571	22.1664	21.94473	2.90001	3.2	2.5	23.63097	0.05649	23.63166	220424952	4020325	74
08/25/2017 08:27:52	16.67698	16.7008	16.6527	731.22271	731.29998	731.20001	12.01104	12.3	11.8	14.91105	15.2	14.5	22.07571	22.1664	21.94473	2.90001	3.2	2.8	23.71419	0.03979	23.715	220424952	4020325	74
08/25/2017 08:32:52	16.67598	16.70177	16.65457	731.32214	731.40002	731.29998	12.42862	12.6	12.3	15.4496	15.8	15.1	22.02736	22.11098	21.91703	3.02097	3.2	2.8	23.79739	0.03991	23.79805	220424952	4020325	74
08/25/2017 08:37:52	16.67466	16.70266	16.64844	731.38928	731.40002	731.29998	13.24715	13.6	13	16.08657	16.2	15.8	21.96935	22.05556	21.88932	2.83942	3.1	2.5	23.8806	0.06278	23.88166	220424952	4020325	74
08/25/2017 08:42:52	16.67466	16.70266	16.64844	731.38928	731.40002	731.29998	13.24715	13.6	13	16.08657	16.2	15.8	21.96935	22.05556	21.88932	2.83942	3.1	2.5	23.96381	0.04579	23.96472	220424952	4020325	74
08/25/2017 08:47:52	6.36435	16.69009	0	731.46337	731.5	731.40002	14.11604	14.4	13.9	16.34077	16.5	16.1	8.52326	22.00015	0	2.22474	2.6	2	24	0	24.00027	220424952	4020325	74

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	1	
Source	D 12000	
Sampling Method	Event Bit	
Device	M 972	
	VRL5-PM2.5	

Date and Time	Qvol Avg	Qvol max	Qvol min	Pa Avg	Pa Max	Pa Min	Tfilter Avg	Tfilter Max	Tfilter Min	Tamb Avg	Tamb Max	Tamb Min	Press Avg	Press Max	Press Min	Tvar Avg	Tvar Max	Tvar Min	Flow Total	Flow CV	Sample Time	Filter ID	Site ID	Unit S/N
08/21/2017 16:39:01	0	0	0	735.78088	736.5	735.5	29.83486	30.2	24.2	25.97852	26.59999	23.4	122.10692	185.64358	0	3.85634	4.6	0.8	24.00539	0	24.00027	220297483	30305010	83
08/21/2017 16:44:01	0	0	0	735.78088	736.5	735.5	29.83486	30.2	24.2	25.97852	26.59999	23.4	122.10692	185.64358	0	3.85634	4.3	3.4	24.00539	0	24.00027	220297483	30305010	83
08/21/2017 16:49:01	0	0	0	735.82653	736	735.70001	29.41008	29.6	29.3	25.75566	26.3	25.4	20.77961	20.83641	20.67017	3.65442	4	3.3	24.00539	0	24.00027	220297483	30305010	83
08/21/2017 16:54:01	0	0	0	735.82653	736	735.70001	29.41008	29.6	29.3	25.75566	26.3	25.4	20.77961	20.83641	20.67017	3.65442	4	3.3	24.00729	118.91172	24.00027	220297483	30305010	83
08/21/2017 16:59:01	6.72153	18.35249	0	734.24017	736.10003	733	27.10583	29.3	25.6	25.81996	26.1	25.3	25.59946	35.27228	20.64246	1.33284	3.6	0	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:04:01	4.12969	18.37253	0	733.29882	733.40002	733.20001	25.60904	25.7	25.4	25.82573	26.4	25.2	23.9059	35.38311	20.75329	0.32993	0.3	0	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:09:01	0	0	0	733.45904	733.60003	733.40002	25.5	25.6	25.4	25.36981	25.5	25.2	20.92372	21.00266	20.89183	0.13018	0.3	0	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:14:01	0	0	0	733.53924	733.60003	733.5	25.27582	25.5	25.2	25.40334	25.6	25.2	21.0166	21.1412	20.91953	0.14766	0.4	0	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:19:01	0	0	0	733.53857	733.70001	733.5	25.21008	25.4	25.1	25.59801	26.1	25.2	21.24181	21.27974	21.16891	0.39465	0.9	0	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:24:01	0	0	0	733.66479	733.79998	733.60003	25.30063	25.4	25.2	25.27648	25.5	25	21.26606	21.30745	21.22433	0.13685	0.5	0	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:29:01	0	0	0	734.08288	734.10003	734	25.398	25.5	25.2	25.13753	25.5	24.9	21.31136	21.33516	21.27974	0.27655	0.5	0	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:34:01	0	0	0	734.10003	734.10003	734.10003	25.41007	25.5	25.4	25.08588	25.3	24.9	21.34037	21.41828	21.30745	0.32419	0.6	0.1	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:39:01	0	0	0	734.096	734.10003	734	25.41679	25.5	25.4	24.8107	25.2	24.4	21.42608	21.52911	21.33516	0.60608	1.1	0.2	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:44:01	0	0	0	734.096	734.10003	734	25.41679	25.5	25.4	24.8107	25.2	24.4	21.42608	21.52911	21.33516	0.60608	1.1	0.2	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:49:01	0	0	0	734.05944	734.10003	734	25.41008	25.5	25.4	24.99188	25.3	24.4	21.44933	21.50141	21.36286	0.41819	1	0.1	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:54:01	0	0	0	734.08087	734.20001	734	25.41343	25.5	25.4	24.56047	25.2	24.2	21.4284	21.50141	21.36286	0.85296	1.3	0.2	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 17:59:01	0	0	0	734.08862	734.20001	734	25.29396	25.4	25.2	23.97184	24.3	23.7	21.55393	21.66766	21.44599	1.32212	1.7	1	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 18:04:01	0	0	0	734.08691	734.20001	734	25.1329	25.2	25	23.42757	23.8	23.1	21.50726	21.63994	21.39058	1.70532	2	1.3	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 18:09:01	0	0	0	733.9541	734.10003	733.79998	24.92955	25	24.8	23.30404	23.6	23.1	21.52048	21.66766	21.39058	1.6255	1.9	1.4	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 18:14:01	0	0	0	733.7564	733.90002	733.60003	24.71949	24.9	24.5	22.9188	23.1	22.6	21.60137	21.69536	21.50141	1.80069	2	1.5	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 18:19:01	0	0	0	733.58361	733.70001	733.5	24.43959	24.6	24.3	22.798	22.9	22.6	21.6196	21.69536	21.52911	1.64159	2	1.5	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 18:24:01	0	0	0	733.48925	733.60003	733.40002	24.19534	24.4	24	22.66914	22.8	22.5	21.56986	21.69536	21.52911	1.5262	1.8	1.2	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 18:29:01	0	0	0	733.7644	733.90002	733.70001	23.69874	23.9	23.4	22.24229	22.5	21.9	21.5252	21.55682	21.44599	1.45645	1.8	1.2	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 18:34:01	0	0	0	733.62085	733.79998	733.40002	23.44902	23.6	23.3	21.98861	22.2	21.9	21.55012	21.63994	21.52911	1.46041	1.7	1.4	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 18:39:01	0	0	0	733.62085	733.79998	733.40002	23.44902	23.6	23.3	21.98861	22.2	21.9	21.55012	21.63994	21.52911	1.46041	1.7	1.4	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 18:44:01	0	0	0	733.41815	733.5	733.29998	23.17922	23.3	23	21.89464	22.2	21.8	21.64107	21.72307	21.52911	1.28457	1.4	1.1	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 18:49:01	0	0	0	733.46032	733.70001	733.40002	22.95239	23.1	22.7	21.77987	21.9	21.7	21.61659	21.69536	21.55682	1.17251	1.3	1	24.00816	0	24.00027	220297483	30305010	83
08/21/2017 18:54:01	0	0	0	733.62316	733.79998	733.5	22.6564	22.8	22.6	21.75371	21.8	21.6	21.53487	21.58453	21.4737	0.90269	1.1	0.8	24.00816	0	24.00027	220424912	4050125	83
08/21/2017 18:59:01	12.77786	17.94775	0	733.77856	733.90002	733.60003	21.87184	22.1	21.6	21.51616	21.6	21.3	37.69862	45.0255	21.44599	0.35567	0.7	0	0.06561	0	0.06694	220424912	4050125	83
08/21/2017 19:04:01	16.67603	16.69792	16.64895	734.06048	734.10003	733.90002	21.52949	21.6	21.4	21.24963	21.6	21.1	42.66737	42.75344	42.6149	0.27985	0.5	0	0.14899	0.01894	0.15027	220424912	4050125	83
08/21/2017 19:09:01	16.67603	16.69792	16.64895	734.06048	734.10003	733.90002	21.52949	21.6	21.4	21.24963	21.6	21.1	42.66737	42.75344	42.6149	0.27985	0.3	0	0.23236	0.04252	0.23361	220424912	4050125	83
08/21/2017 19:14:01	16.67476	16.69673	16.65827	733.73858	734	733.5	21.32894	21.5	21	21.14627	21.3	21.1	42.83855	43.00281	42.64261	0.19597	0.3	0	0.31574	0.03308	0.31666	220424912	4050125	83
08/21/2017 19:19:01	16.6747	16.69412	16.65574	733.51184	733.60003	733.29998	20.84907	21	20.7	20.81207	21.1	20.7	43.14626	43.2799	42.9474	0.07718	0.2	0	0.39911	0.03305	0.40027	220424912	4050125	83
08/21/2017 19:24:01	16.67491	16.70072	16.65176	733.36132	733.60003	733.29998	20.66576	20.8	20.4	20.80336	21	20.7	43.19402	43.3076	43.05822	0.1443	0.39999	0	0.48249	0.00943	0.48361	220424912	4050125	83
08/21/2017 19:29:01	16.67491	16.70072	16.65176	733.36132	733.60003	733.29998	20.66576	20.8	20.4	20.80336	21	20.7	43.19402	43.3076	43.05822	0.1443	0.39999	0	0.56586	0.03299	0.56694	220424912	4050125	83
08/21/2017 19:34:01	16.6754	16.68883	16.65841	733.87384	734	733.60003	20.43227	20.6	20.3	20.61208	20.8	20.5	43.12786	43.25219	43.00281	0.17981	0.39999	0	0.64924	0.08486	0.65	220424912	4050125	83
08/21/2017 19:39:01	16.67458	16.69412	16.64387	733.76312	733.90002	733.60003	20.29931	20.4	20.2	20.64363	20.8	20.5	43.18572	43.3076	43.05822	0.34432	0.5	0.19999	0.73261	0	0.73333	220424912	4050125	83
08/21/2017 19:44:01	16.67388	16.69543	16.64522	733.38519	733.5	733.29998	20.04633	20.1	20	20.22692	20.4	20.1	43.40694	43.55697	43.25219	0.18058	0.4	0	0.81598	0.02358	0.81694	220424912	4050125	83
08/21/2017 19:49:01	16.67388	16.69543	16.64522	733.38519	733.5	733.29998	20.04633	20.1	20	20.22692	20.4	20.1	43.40694	43.55697	43.25219	0.18058	0.4	0	0.89936	0.04236	0.9	220424912	4050125	83
08/21/2017 19:54:01	16.6745	16.69406	16.64786	733.33123	733.40002	733.29998	19.90608	20.1	19.7	20.08325	20.2	19.9	43.48162	43.61238	43.3076	0.17717	0.4	0	0.98273	0.04233	0.98333	220424912	4050125	83
08/21/2017 19:59:01	16.67489	16.69003	16.65841	733.34863	733.5	733.29998	19.70273	19.8	19.6	19.90946	20.1	19.6	43.45126	43.61238	43.36302	0.20673	0.4	0	1.06611	0.0092	1.06666	220424912	4050125	83
08/21/2017 20:04:01	16.67517	16.69121	16.65564	733.47253	733.60003	733.40002	19.39201	19.6	19.2	19.51945	19.6	19.4	43.43042	43.50155	43.3076	0.13414	0.3	0	1.14948	0.04228	1.15027	220424912	4050125	83
08/21/2017 20:09:01	16.67517	16.69121	16.65564	733.47253	733.60003	733.40002	19.39201	19.6	19.2	19.51945	19.6	19.4	43.43042	43.50155	43.3076	0.13414	0.5	0.09999	1.23284	0.06088	1.23333	220424912	4050125	83
08/21/2017 20:14:01	16.6735	16.7005	16.64503	733.32714	733.40002	733.29998	19.14976	19.4	19	19.47251	19.6	19.3	43.47336	43.58468	43.36302	0.32274	0.5	0.09999	1.31622	0	1.31666	220424912	4050125	83
08/21/2017 20:19:01	16.67382	16.69765	16.64883	733.40002	733.5	733.29998	18.83232	19	18.6	18.83096	19.2	18.7	43.60213	43.72322	43.50155	0.07252	0.4	0	1.39959	0.04215	1.40027	220424912	4050125	83
08/21/2017 20:24:01	16.67457	16.70241	16.65258	733.49621	733.70001	733.40002	18.592	18.8	18.4	18.63567	18.8	18.4	43.61166	43.69551	43.52927	0.08385	0.3	0	1.48296	0.00942	1.48361	220424912	4050125	83
08/21/2017 20:29:01	16.67457	16.70241	16.65258	733.49621	733.70001	733.40002	18.592	18.8	18.4	18.63567	18.8	18.4	43.61166	43.69551	43.52927	0.08385	0.3	0	1.56633	0.00943	1.56666	220424912	4050125	83
08/21/2017 20:34:01	16.67455	16.69825	16.65616	733.63531	733.70001	733.5	18.37653	18.5	18.3	18.3571	18.6	18.2	43.58942	43.72322	43.47385	0.07316	0.2	0	1.6497	0.02927	1.65	220424912	4050125	83
08/21/2017 20:39:01	16.67462	16.69921	16.64119	733.69629	733.79998	733.5	18.1725	18.3	18	18.08251	18.2	17.8	43.66762	43.77864	43.55697	0.12347	0.2	0	1.73308	0.03647	1.73333	220424912	4050125	83
08/21/2017 20:44:01	16.67394	16.70012	16.65033	733.91613	734	733.79998	17.89272	18	17.7	17.88524	18.1	17.8	43.70833	43.77864	43.58468	0.09317	0.19999	0	1.81645	0	1.81694	220424912	4050125	83
08/21/2017 20:49:01	16.67357	16.70502	16.65948	733.99804	734.10003	733.90002	17.73958	17.8	17.6	17.76981	18	17.6	43.73709	43.80635	43.61238	0.04363	0.19999	0	1.89983	0	1.9	220424912	4050125	83
08/21/2017 20:54:01	16.67504	16.70502	16.65528	734.04028	734.10003	734	17.47258	17.7	17.3	17.68662	17.8	17.6	43.72743	43.91718	43.58468	0.22747	0.4	0	1.98321	0.06578	1.98333	220424912	4050125	83
08/21/2017 20:59:01	16.67552	16.69589	16.65389	733.94433	734.10003	733.79998	17.25981	17.4	17.1	17.50673	17.6	17.2	43.92526	44.0003	43.83406	0.24692	0.4	0.09999	2.06658	0.01439	2.06666	220424912	4050125	83
08/21/2017 21:04:01	16.67325	16.69533	16.64564	733.8587	734	733.79998	17.07186	17.3	17	17.23565	17.4	17.1	43.99107	44.08343	43.86176	0.16379	0.3	0	2.14996	0.04193	2.15	220424912	4050125	83
08/21/2017 21:09:01	16.67452	16.69268	16.6574	733.88623	734	733.70001	16.87258	17	16.7	17.19328	17.2	17.1	44.04333	44.11113	43.94488	0.3207	0.5	0.1	2.23335	0.00943	2.23333	220424912	4050125	83
08/21/2017 21:14:01	16.67587	16.69268	16.65983	733.9779	734.10003	733.90002	16.66643	16.8	16.5	17.19665	17.2	17.1	44.0504	44.11113	43.97259	0.53021	0.7	0.4	2.31674	0.02385	2.31666	220424912	4050125	83
08/21/2017 21:19:01	16.67609	16.69003	16.65983	734.01507	734.10003	733.90002	16.47912	16.6	16.4	17.16984	17.2	17	44.0652	44.13884	43.97259	0.69071	0.9	0.49999	2.40012	0.06574	2.40027	220424912	4050125	83
08/21/2017 21:24:01	16.67478	16.69345	16.65557	734.08294	734.10003	734	16.32621	16.4	16.1	16.96248	17.1	16.8	44.07199	44.16655	44.0003	0.63626	0.9	0.49999	2.48347	0	2.48333	220424912	4050125	83
08/21/2017 21:29:01	16.67273	16.69584	16.65898	734.05365	734.10003	734	16.09129	16.4	16	16.69197	16.9	16.5	44.12294	44.22197	44.02801	0.60067	0.69999	0.49999	2.56686	0.0418	2.56666	220424912	4050125	83
08/21/2017 21:34:01	16.67607	16.69012	16.65493	734.02551	734.10003	734	15.97251	16.1	15.9	16.50006	16.6	16.4	44.18135	44.24967	44.08343	0.52754	0.69999	0.39999	2.65023	0.01447	2.65027	220424912	4050125	83
08/21/2017 21:39:01	16.67514	16.68843	16.65564	734.07952	734.10003	734	15.82279	16	15.6	16.31875	16.5	16.2	44.20467	44.24967	44.13884	0.49595	0.69999	0.39999	2.73361	0.02619	2.73333	220424912	4050125	83
08/21/2017 21:44:01	16.6745	16.69141	16.6563	734.13757	734.20001	734.10003	15.44298	15.6	15.3	15.91614	16	15.8	44.20497	44.30509	44.08343	0.47316	0.59999	0.3	2.81698	0.01452	2.81694	220424912	4050125	83
08/21/2017 21:49:01	16.6745	16.69141	16.6563	734.13757	734.20001	734.10003	15.44298	15.6	15.3	15.91614	16	15.8	44.20497	44.30509	44.08343	0.47316	0.59999	0.3	2.90035	0	2.9	220424912	4050125	83
08/21/2017 21:54:01	16.67429	16.69141	16.66129	734.20306	734.29998	734.20001	15.32616	15.4	15.2	15.82281	15.9	15.7	44.18441	44.30509	44.05571	0.49665	0.6	0.39999	2.98372	0.0417	2.98333	220424912	4050125	83
08/21/2017 21:59:01	16.67481	16.70367	16.64349	734.21716	734.29998	734.20001	14.93628	15	14.8	15.63293	15.8	15.4	44.28703	44.38821	44.16655	0.69664	0.8	0.4	3.0671	0.00942	3.06694	220424912	4050125	83
08/21/2017 22:04:01	16.67461	16.69463	16.65517	734.22515	734.29998	734.20001	14.80602	14.9	14.7	15.4859	15.6	15.4	44.35665	44.49904	44.22197	0.67988	0.9	0.59999	3.15048	0.04796	3.15027	220424912	4050125	83
08/21/2017 22:09:01	16.67461	16.69463	16.65517	734.22515	734.29998	734.20001	14.80602	14.9	14.7	15.4859	15.6	15.4	44.35665	44.49904	44.22197	0.67988	0.9	0.59999	3.23386	0.01762	3.23333	220424912	4050125	83
08/21/2017 22:14:01	16.67555	16.69285	16.65604	734.20636	734.29998	734.20001	14.44366	14.6	14.3	15.28053	15.4	15.2	44.44911	44.55446	44.3328	0.83687	0.99999	0.6	3.31724	0.02399	3.31694	220424912	4050125	83

08/21/2017 22:19:01	16.67555	16.69285	16.65604	734.20636	734.29998	734.20001	14.44366	14.6	14.3	15.28053	15.4	15.2	44.44911	44.55446	44.3328	0.83687	1.19999	0.79999	3.40063	0.01767	3.4	220424912	4050125	83
08/21/2017 22:24:01	16.6759	16.69285	16.65108	734.20098	734.29998	734.20001	14.32015	14.4	14.2	15.31736	15.4	15.2	44.47815	44.55446	44.36051	0.9972	1.19999	0.79999	3.484	0.04162	3.48333	220424912	4050125	83
08/21/2017 22:29:01	16.67582	16.69285	16.6534	734.26776	734.29998	734.20001	14.19733	14.3	14.1	15.25637	15.4	15.2	44.49551	44.55446	44.41592	1.05904	1.3	0.89999	3.56736	0.01762	3.56666	220424912	4050125	83
08/21/2017 22:34:01	16.675	16.70009	16.6534	734.29797	734.29998	734.20001	14.09662	14.2	14	15.2362	15.3	15.2	44.47173	44.55446	44.36051	1.13957	1.2	1.1	3.65072	0.04162	3.65	220424912	4050125	83
08/21/2017 22:39:01	16.67485	16.69515	16.6534	734.29998	734.29998	734.29998	13.98322	14.1	13.8	15.24296	15.4	15.2	44.44667	44.55446	44.36051	1.25974	1.4	1.1	3.73408	0.02398	3.73333	220424912	4050125	83
08/21/2017 22:44:01	16.67671	16.69515	16.66012	734.29998	734.29998	734.29998	13.88239	14	13.7	15.21335	15.3	15.2	44.44535	44.52675	44.36051	1.33095	1.5	1.2	3.81747	0.04161	3.81666	220424912	4050125	83
08/21/2017 22:49:01	16.67433	16.69872	16.65865	734.29998	734.29998	734.29998	13.69664	13.7	13.6	15.70862	15.9	15.4	44.47176	44.58217	44.36051	2.01198	2.2	1.69999	3.90084	0	3.90027	220424912	4050125	83
08/21/2017 22:54:01	16.67591	16.68877	16.65865	734.30102	734.40002	734.29998	13.64976	13.7	13.5	15.87043	16	15.8	44.48164	44.58217	44.38821	2.22067	2.4	2.1	3.98421	0.05948	3.98361	220424912	4050125	83
08/21/2017 22:59:01	16.67591	16.68877	16.65865	734.30102	734.40002	734.29998	13.64976	13.7	13.5	15.87043	16	15.8	44.48164	44.58217	44.38821	2.22067	2.4	2.1	4.06756	0.04178	4.06666	220424912	4050125	83
08/21/2017 23:04:01	16.67437	16.69721	16.64196	734.29998	734.29998	734.29998	13.62616	13.7	13.5	16.09863	16.2	15.8	44.52036	44.63758	44.41592	2.47246	2.7	2.1	4.15093	0.04786	4.15027	220424912	4050125	83
08/21/2017 23:09:01	16.67496	16.69721	16.65366	734.29998	734.29998	734.29998	13.64968	13.7	13.5	15.95968	16.2	15.8	44.60431	44.72071	44.52675	2.30999	2.7	2.1	4.23429	0.02394	4.23333	220424912	4050125	83
08/21/2017 23:14:01	16.67381	16.69721	16.66037	734.29998	734.29998	734.29998	13.66642	13.7	13.6	16.11762	16.3	15.9	44.6243	44.693	44.49904	2.4512	2.69999	2.19999	4.31766	0.05949	4.31694	220424912	4050125	83
08/21/2017 23:19:01	16.67381	16.69721	16.66037	734.29998	734.29998	734.29998	13.66642	13.7	13.6	16.11762	16.3	15.9	44.6243	44.693	44.49904	2.4512	2.69999	2.19999	4.40103	0.0061	4.4	220424912	4050125	83
08/21/2017 23:24:01	16.6746	16.69221	16.65943	734.31311	734.40002	734.29998	13.67717	13.7	13.5	16.22555	16.3	15.9	44.60197	44.66529	44.49904	2.54838	2.8	2.3	4.48438	0.02395	4.48333	220424912	4050125	83
08/21/2017 23:29:01	16.67418	16.69374	16.65366	734.31036	734.40002	734.29998	13.71336	13.8	13.7	15.79939	16.2	15.6	44.73882	44.83154	44.63758	2.08602	2.5	1.8	4.56774	0.00829	4.56694	220424912	4050125	83
08/21/2017 23:34:01	16.67418	16.69374	16.65366	734.31036	734.40002	734.29998	13.71336	13.8	13.7	15.79939	16.2	15.6	44.73882	44.83154	44.63758	2.08602	2.5	1.8	4.6511	0.04795	4.65	220424912	4050125	83
08/21/2017 23:39:01	16.67543	16.69199	16.6534	734.30096	734.40002	734.29998	13.72684	13.8	13.7	15.29263	15.6	15.1	44.80803	45.0255	44.66529	1.56578	1.9	1.3	4.73446	0.04165	4.73361	220424912	4050125	83
08/21/2017 23:44:01	16.67543	16.69199	16.6534	734.30096	734.40002	734.29998	13.72684	13.8	13.7	15.29263	15.6	15.1	44.80803	45.0255	44.66529	1.56578	1.9	1.3	4.81783	0.01758	4.81666	220424912	4050125	83
08/21/2017 23:49:01	16.67461	16.70189	16.65076	734.34765	734.40002	734.29998	13.72342	13.8	13.7	15.14639	15.4	15	44.81825	44.94237	44.66529	1.42297	1.69999	1.19999	4.90118	0.0416	4.9	220424912	4050125	83
08/21/2017 23:54:01	16.67222	16.6907	16.64898	734.40002	734.40002	734.40002	13.68997	13.8	13.6	15.00001	15.1	14.8	44.92461	45.08091	44.80384	1.31004	1.4	1.1	4.98454	0	4.98361	220424912	4050125	83
08/21/2017 23:59:01	16.67407	16.70009	16.65835	734.31207	734.40002	734.29998	13.61005	13.7	13.5	15.11006	15.2	15	45.02203	45.16404	44.80384	1.5	1.7	1.3	5.06791	0.0416	5.06694	220424912	4050125	83
08/22/2017 00:04:01	16.67563	16.70009	16.65835	734.29998	734.29998	734.29998	13.53625	13.7	13.5	15.1973	15.3	15.1	45.1083	45.21946	44.97008	1.66105	1.8	1.5	5.15128	0.02398	5.15027	220424912	4050125	83
08/22/2017 00:09:01	16.67625	16.68842	16.66508	734.29998	734.29998	734.29998	13.49664	13.5	13.4	15.21341	15.3	15.2	44.99923	45.16404	44.83154	1.71676	1.8	1.7	5.23466	0.0416	5.23361	220424912	4050125	83
08/22/2017 00:14:01	16.67625	16.68842	16.66508	734.29998	734.29998	734.29998	13.49664	13.5	13.4	15.21341	15.3	15.2	44.99923	45.16404	44.83154	1.71676	1.8	1.7	5.31802	0.01758	5.31666	220424912	4050125	83
08/22/2017 00:19:01	16.67393	16.68842	16.65835	734.29998	734.29998	734.29998	13.45974	13.5	13.4	15.13971	15.2	15	44.96926	45.13633	44.83154	1.67996	1.79999	1.59999	5.40138	0.01761	5.4	220424912	4050125	83
08/22/2017 00:24:01	16.67456	16.69335	16.65835	734.29998	734.29998	734.29998	13.44028	13.5	13.4	15.1429	15.2	15	44.98636	45.13633	44.88695	1.70262	1.79999	1.5	5.48473	0	5.48333	220424912	4050125	83
08/22/2017 00:29:01	16.67488	16.70009	16.66328	734.30096	734.40002	734.29998	13.4	13.4	13.4	15.05292	15.2	15	45.12915	45.24716	44.97008	1.65292	1.79999	1.59999	5.56811	0	5.56694	220424912	4050125	83
08/22/2017 00:34:01	16.67488	16.70009	16.66328	734.30096	734.40002	734.29998	13.4	13.4	13.4	15.05292	15.2	15	45.12915	45.24716	44.97008	1.65292	2	1.29999	5.65148	0.02403	5.65	220424912	4050125	83
08/22/2017 00:39:01	16.67407	16.69827	16.64982	734.302	734.40002	734.29998	13.33613	13.4	13.1	14.97538	15.2	14.7	45.19185	45.30258	45.08091	1.63925	2	1.29999	5.73484	0.0415	5.73333	220424912	4050125	83
08/22/2017 00:44:01	16.67576	16.6946	16.65291	734.30603	734.40002	734.29998	13.28734	13.4	13.1	14.64912	14.8	14.5	45.24294	45.33028	45.13633	1.36178	1.6	1.09999	5.81821	0.04147	5.81666	220424912	4050125	83
08/22/2017 00:49:01	16.67639	16.69273	16.65595	734.29998	734.29998	734.29998	13.15041	13.4	13.1	14.31558	14.5	14.2	45.28706	45.358	45.19175	1.16516	1.4	0.79999	5.90157	0	5.9	220424912	4050125	83
08/22/2017 00:54:01	16.67712	16.69273	16.64921	734.29998	734.29998	734.29998	13.06977	13.1	13	14.19996	14.4	14.1	45.3171	45.41341	45.24716	1.13019	1.3	1	5.98494	0.02409	5.98361	220424912	4050125	83
08/22/2017 00:59:01	16.67319	16.69085	16.66084	734.29998	734.29998	734.29998	13.02349	13.1	13	14.12348	14.2	14.1	45.34294	45.44112	45.27487	1.09999	1.19999	1	6.0683	0.04147	6.06694	220424912	4050125	83
08/22/2017 01:04:01	16.67319	16.69085	16.66084	734.29998	734.29998	734.29998	13.02349	13.1	13	14.12348	14.2	14.1	45.34294	45.44112	45.27487	1.09999	1.19999	1	6.15165	0.04145	6.15	220424912	4050125	83
08/22/2017 01:09:01	16.67405	16.70058	16.64733	734.29998	734.29998	734.29998	12.99663	13	12.9	13.97926	14.1	13.9	45.43463	45.55195	45.33028	0.98263	1.1	0.89999	6.23501	0.02411	6.23333	220424912	4050125	83
08/22/2017 01:14:01	16.67298	16.69645	16.64322	734.22918	734.29998	734.20001	12.92339	13	12.8	13.87322	13.9	13.8	45.50915	45.60736	45.41341	0.94983	1.09999	0.8	6.31839	0.08965	6.31666	220424912	4050125	83
08/22/2017 01:19:01	16.67706	16.7013	16.65293	734.20001	734.20001	734.20001	12.753	12.8	12.6	13.68596	13.8	13.6	45.5826	45.63507	45.49653	0.93296	1.2	0.8	6.40176	0	6.40027	220424912	4050125	83
08/22/2017 01:24:01	16.67683	16.6904	16.65293	734.15039	734.20001	734.10003	12.62554	12.8	12.6	13.63222	13.8	13.6	45.57951	45.69049	45.49653	1.00668	1.2	0.8	6.48513	0	6.48361	220424912	4050125	83
08/22/2017 01:29:01	16.67683	16.6904	16.65293	734.15039	734.20001	734.10003	12.62554	12.8	12.6	13.63222	13.8	13.6	45.57951	45.69049	45.49653	1.00668	1.2	0.8	6.5685	0.04137	6.56666	220424912	4050125	83
08/22/2017 01:34:01	16.67616	16.70395	16.64396	734.10003	734.10003	734.10003	12.55977	12.6	12.4	13.63353	13.8	13.6	45.58787	45.69049	45.44112	1.07376	1.3	1	6.65186	0	6.65	220424912	4050125	83
08/22/2017 01:39:01	16.675	16.7066	16.65557	734.07458	734.10003	734	12.40338	12.5	12.3	13.80005	13.9	13.6	45.66067	45.77361	45.55195	1.39666	1.59999	1.2	6.73522	0	6.73361	220424912	4050125	83
08/22/2017 01:44:01	16.67298	16.69305	16.65525	734.00024	734.10003	734	12.38665	12.4	12.3	13.73566	13.9	13.6	45.71967	45.85674	45.57965	1.349	1.5	1.2	6.81858	0	6.81694	220424912	4050125	83
08/22/2017 01:49:01	16.67298	16.69305	16.65525	734.00024	734.10003	734	12.38665	12.4	12.3	13.73566	13.9	13.6	45.71967	45.85674	45.57965	1.349	1.5	1.2	6.90194	0.0414	6.9	220424912	4050125	83
08/22/2017 01:54:01	16.67579	16.69498	16.65557	734.03552	734.10003	734	12.28392	12.4	12.2	13.61677	13.8	13.5	45.79086	45.91216	45.69049	1.33284	1.6	1.2	6.98529	0	6.98333	220424912	4050125	83
08/22/2017 01:59:01	16.6752	16.69305	16.65821	734	734	734	12.20336	12.3	12.2	13.59663	13.6	13.5	45.86061	45.93986	45.74591	1.39326	1.4	1.3	7.06865	0	7.06694	220424912	4050125	83
08/22/2017 02:04:01	16.6752	16.69305	16.65821	734	734	734	12.20336	12.3	12.2	13.59663	13.6	13.5	45.86061	45.93986	45.74591	1.39326	1.6	1.3	7.15201	0.0414	7.15027	220424912	4050125	83
08/22/2017 02:09:01	16.67458	16.69569	16.65821	733.96856	734	733.90002	12.17987	12.2	12	13.58994	13.6	13.5	45.89452	45.96756	45.82903	1.41007	1.6	1.3	7.23537	0.08277	7.23333	220424912	4050125	83
08/22/2017 02:14:01	16.67347	16.69569	16.64924	733.91412	734	733.90002	12.11289	12.2	12	13.60334	13.8	13.5	45.91127	45.96756	45.85674	1.49045	1.8	1.3	7.31874	0.04145	7.31666	220424912	4050125	83
08/22/2017 02:19:01	16.6741	16.69569	16.64924	733.86053	734	733.79998	12.02554	12.2	12	13.68575	13.8	13.6	45.93095	46.02298	45.85674	1.66021	1.8	1.4	7.40212	0.06557	7.4	220424912	4050125	83
08/22/2017 02:24:01	16.67508	16.69277	16.65789	733.89904	733.90002	733.79998	11.97984	12	11.9	13.86976	13.9	13.6	45.94767	46.02298	45.85674	1.88992	2	1.6	7.48548	0.04141	7.48361	220424912	4050125	83
08/22/2017 02:29:01	16.6749	16.69277	16.65789	733.95062	734	733.90002	11.96653	12	11.9	13.86314	13.9	13.8	45.96233	46.0784	45.85674	1.89661	2	1.8	7.56884	0.01734	7.56694	220424912	4050125	83
08/22/2017 02:34:01	16.6749	16.69277	16.65789	733.95062	734	733.90002	11.96653	12	11.9	13.86314	13.9	13.8	45.96233	46.0784	45.85674	1.89661	2	1.8	7.65219	0.06553	7.65	220424912	4050125	83
08/22/2017 02:39:01	16.6736	16.69012	16.65525	734	734	734	11.95029	12	11.9	13.83684	13.9	13.8	45.94734	46.05069	45.82903	1.88654	2	1.8	7.73557	0	7.73333	220424912	4050125	83
08/22/2017 02:44:01	16.67658	16.69203	16.65525	734	734	734	11.93685	12	11.8	13.91677	14.1	13.8	45.94684	46.05069	45.85674	1.97991	2.3	1.8	7.81894	0.04145	7.81666	220424912	4050125	83
08/22/2017 02:49:01	16.67441	16.69498	16.65525	734.02722	734.10003	734	11.92689	12	11.9	13.83963	13.9	13.8	45.95628	46.05069	45.88444	1.91274	2	1.8	7.9023	0	7.90027	220424912	4050125	83
08/22/2017 02:54:01	16.67441	16.69498	16.65525	734.02722	734.10003	734	11.92689	12	11.9	13.83963	13.9	13.8	45.95628	46.05069	45.88444	1.91274	2	1.8	7.98565	0	7.98333	220424912	4050125	83
08/22/2017 02:59:01	16.67316	16.69498	16.65747	734.00299	734.10003	734	11.93014	12	11.8	13.78321	13.9	13.6	46.02725	46.13382	45.93986	1.85306	2	1.6	8.06902	0.01734	8.06666	220424912	4050125	83
08/22/2017 03:04:01	16.67613	16.69689	16.65038	734	734	734	11.90671	12	11.8	13.91668	14	13.9	46.08803	46.21694	45.99528	2.00997	2.19999	1.89999	8.15238	0.06558	8.15027	220424912	4050125	83
08/22/2017 03:09:01	16.67613	16.69689	16.65038	734	734	734	11.90671	12	11.8	13.91668	14	13.9	46.08803	46.21694	45.99528	2.00997	2.19999	1.89999	8.23579	0.01734	8.23333	220424912	4050125	83
08/22/2017 03:14:01	16.67524	16.69689	16.65038	734.04156	734.10003	734	11.91343	12	11.9	13.96376	14.1	13.9	46.06528	46.18924	45.93986	2.05032	2.2	1.89999	8.31924	0.00941	8.31666	220424912	4050125	83
08/22/2017 03:19:01	16.67465	16.69836	16.64997	734.18689	734.20001	734.10003	11.9	12	11.8	13.93695	14.1	13.9	45.96707	46.10611	45.88444	2.03695	2.2	1.89999	8.40267	0.08287	8.40027	220424912	4050125	83
08/22/2017 03:24:01	16.67465	16.69836	16.64997	734.18689	734.20001	734.10003	11.9	12	11.8	13.93695	14.1	13.9	45.96707	46.10611	45.88444	2.03695	2.2	1.89999	8.48612	0.04139	8.48333	220424912	4050125	83
08/22/2017 03:29:01	16.67523	16.68968	16.66159	734.20001	734.20001	734.20001	11.90672	12	11.8	13.86318	13.9	13.8	45.98026	46.05069	45.91216	1.95646	2.09999	1.8	8.56955	0.0414	8.56666	220424912	4050125	83
08/22/2017 03:34:01	16.67535	16.68968	16.6619	734.25262	734.29998	734.20001	11.92619	12	11.9	13.76665	13.9	13.6	45.96558	46.0784	45.88444	1.84046	2	1.6	8.653	0	8.65	220424912	4050125	83
08/22/2017 03:39:01	16.6758	16.68994	16.66454	734.203	734.29998	734.20001	11.92409	12	11.8	13.60735	13.8	13.5	46.06481	46.16153	45.91216	1.68326	1.9	1.5	8.73644	0.08282	8.73333	220424912	4050125	83
08/22/2017 03:44:01	16.67705	16.68968	16.65293	734.20001	734.20001	734.20001	11.89328	12	11.8	13.65371	13.8	13.6	46.09497	46.16153	46.02298	1.76042	2	1.6	8.8199	0	8.81694	220424912	4050125	83
08/22/2017 03:49:01	16.6762	16.68968	16.65293	734.20404	734.29998	734.20001	11.88387	12	11.8	13.64004	13.8	13.6	46.09568	46.18924	45.99528	1.75616	1.9	1.6	8.90336	0.08282	8.90027	220424912	4050125	83
08/22/2017 03:54:01	16.6762	16.68968	16.65293	734.20404	734.29998	734.20001	11.88387	12	11.8	13.64004	13.8	13.6	46.09568	46.18924	45.99528	1.75616	1.9	1.6	8.98679	0	8.98333	220424912	4050125	83
08/22/2017 03:59:01	16.67568	16.69645	16.65483	734.20202	734.29998	734.20001	11.86979	11.9	11.8	13.8403	13.9	13.8	46.07814	46.18924	45.96756	1.97051	2.09999	1.9	9.07022	0	9.06666	220424912	4050125	83
08/22/2017 04:04:01	16.67566	16.69645	16.65293	734.15045	734.20001	734.10003	11.82016	11.9	11.8	13.79452	13.9	13.6	46.17532	46.27236	46.0784	1.97435	2.09999	1.7	9.15365	0.00789	9.15027	220424912	4050125	83
08/22/2017 04:09:01	16.67566	16.69645	16.65293	734.15045	734.20001	734.10003	11.82016	11.9	11.8	13.79452	13.9	13.6	46.17532	46.27236	46.0784	1.97435	2.09999	1.7	9.23707	0.05192	9.23333	220424912	4050125	83
08/22/2017 04:14:01	16.67592	16.6991	16.65261	734.10308	734.20001	734.10003	11.82351	11.9	11.8	13.86975	13.9	13.6	46.1896	46.24465	46.10611	2.04624	2.09999	1.8	9.3205	0.04148	9.31666	220424912	4050125	83
08/22/2017 04:19:01	16.67565	16.6916	16.65936	734.17681	734.20001	734.10003	11.81004	11.9	11.7	14.08994	14.1	14	46.19552	46.27236	46.13382	2.27989	2.4	2.1	9.40392	0.08292	9.40027	220424912	4050125	83
08/22/2017 04:24:01	16.67565	16.6916	16.65936	734.17681	734.20001	734.10003	11.81004	11.9	11.7	14.08994	14.1	14	46.19552	46.27236	46.13382	2.27989	2.3	2.09999	9.48735	0.04145	9.48333	220424912	4050125	83
08/22/2017 04:29:01	16.6764	16.70101	16.65672	734.17761	734.20001	734.10003	11.81008	11.9	11.8	14.05646	14.1	13.9	46.20997	46.27236	46.10611	2.24637	2.3	2.09999	9.57079	0	9.56666	220424912	4050125	83
08/22/2017 04:34:01	16.67622	16.69233	16.64396	734.10205	734.20001	734.10003	11.8336	11.9	11.8	13.75319	13.9	13.6	46.22566	46.30007	46.16153	1.91959	2.09999	1.7	9.65421	0.08283	9.65027	220424912	4050125	83
08/22/2017 04:39:01	16.67606	16.6904	16.64881	734.10003	734.10003	734.10003	11.8402	11.9	11.8	13.56657	13.6	13.5	46.23863	46.30007	46.16153	1.72636	1.8	1.6	9.73769	0.04141	9.73361	220424912	4050125	83

08/22/2017 04:44:01	16.67606	16.6904	16.64881	734.10003	734.10003	734.10003	11.8402	11.9	11.8	13.56657	13.6	13.5	46.23863	46.30007	46.16153	1.72636	1.8	1.6	9.82114	0	9.81666	220424912	4050125	83
08/22/2017 04:49:01	16.67181	16.69328	16.65848	734.10003	734.10003	734.10003	11.82018	11.9	11.8	13.28991	13.3	13.2	46.26203	46.38319	46.16153	1.46973	1.5	1.3	9.9046	0.04135	9.90027	220424912	4050125	83
08/22/2017 04:54:01	16.67181	16.69328	16.65848	734.10003	734.10003	734.10003	11.82018	11.9	11.8	13.28991	13.3	13.2	46.26203	46.38319	46.16153	1.46973	1.5	1.3	9.98807	0	9.98333	220424912	4050125	83
08/22/2017 04:59:01	16.67135	16.69328	16.65848	734.10003	734.10003	734.10003	11.79663	11.8	11.7	13.28322	13.3	13.2	46.25816	46.35549	46.18924	1.48658	1.6	1.39999	10.0715	0	10.06666	220424912	4050125	83
08/22/2017 05:04:01	16.67282	16.68649	16.64976	734.15667	734.20001	734.10003	11.78658	11.8	11.7	13.18926	13.3	13	46.28533	46.38319	46.16153	1.40268	1.5	1.19999	10.15493	0	10.15027	220424912	4050125	83
08/22/2017 05:09:01	16.67282	16.68649	16.64976	734.15667	734.20001	734.10003	11.78658	11.8	11.7	13.18926	13.3	13	46.28533	46.38319	46.16153	1.40268	1.5	1.19999	10.23839	0.04136	10.23333	220424912	4050125	83
08/22/2017 05:14:01	16.67364	16.69063	16.66066	734.20001	734.20001	734.20001	11.77041	11.8	11.7	13.21343	13.3	13.2	46.26276	46.35549	46.10611	1.44302	1.6	1.39999	10.32176	0.00942	10.31666	220424912	4050125	83
08/22/2017 05:19:01	16.67528	16.6928	16.66066	734.27661	734.29998	734.20001	11.74973	11.8	11.7	13.20671	13.3	13.2	46.23858	46.32777	46.13382	1.45697	1.6	1.39999	10.40523	0	10.4	220424912	4050125	83
08/22/2017 05:24:01	16.67756	16.69063	16.66744	734.203	734.29998	734.20001	11.67659	11.7	11.4	13.27717	13.3	13.2	46.30187	46.41089	46.16153	1.60058	1.9	1.5	10.48872	0	10.48361	220424912	4050125	83
08/22/2017 05:29:01	16.67756	16.69063	16.66744	734.203	734.29998	734.20001	11.67659	11.7	11.4	13.27717	13.3	13.2	46.30187	46.41089	46.16153	1.60058	1.9	1.5	10.5722	0.04135	10.56694	220424912	4050125	83
08/22/2017 05:34:01	16.67839	16.70223	16.65584	734.20001	734.20001	734.20001	11.65632	11.7	11.4	13.31006	13.4	13.3	46.35331	46.41089	46.27236	1.65374	2	1.6	10.65562	0	10.65	220424912	4050125	83
08/22/2017 05:39:01	16.67647	16.69259	16.64837	734.20202	734.29998	734.20001	11.58244	11.7	11.4	13.39715	13.5	13.3	46.35306	46.41089	46.27236	1.81471	2.1	1.6	10.73898	0.06552	10.73333	220424912	4050125	83
08/22/2017 05:44:01	16.67481	16.69259	16.65777	734.20001	734.20001	734.20001	11.55766	11.7	11.4	13.49326	13.6	13.4	46.33952	46.41089	46.24465	1.9356	2.1	1.8	10.82239	0.0172	10.81666	220424912	4050125	83
08/22/2017 05:49:01	16.67611	16.68798	16.66479	734.29998	734.29998	734.29998	11.58988	11.7	11.4	13.28672	13.4	13.2	46.31697	46.38319	46.21694	1.69683	2	1.5	10.90584	0.06548	10.90027	220424912	4050125	83
08/22/2017 05:54:01	16.67611	16.68798	16.66479	734.29998	734.29998	734.29998	11.58988	11.7	11.4	13.28672	13.4	13.2	46.31697	46.38319	46.21694	1.69683	2	1.5	10.98921	0	10.98333	220424912	4050125	83
08/22/2017 05:59:01	16.67603	16.6928	16.66961	734.29998	734.29998	734.29998	11.52102	11.7	11.4	13.22015	13.3	13.2	46.34122	46.41089	46.27236	1.69913	1.9	1.5	11.07257	0.04132	11.06666	220424912	4050125	83
08/22/2017 06:04:01	16.67601	16.6928	16.65606	734.29901	734.29998	734.20001	11.49744	11.7	11.4	13.17006	13.3	13	46.3569	46.41089	46.30007	1.67261	1.8	1.3	11.15597	0.03427	11.15	220424912	4050125	83
08/22/2017 06:09:00	16.67685	16.6928	16.65606	734.29901	734.29998	734.20001	11.53263	11.7	11.4	13.07931	13.2	13	46.35712	46.41089	46.27236	1.54668	1.8	1.3	11.23933	0	11.23333	220424912	4050125	83
08/22/2017 06:14:01	16.67621	16.6928	16.65606	734.29998	734.29998	734.29998	11.45711	11.6	11.3	13.12635	13.2	13	46.37329	46.4386	46.32777	1.66923	1.8	1.4	11.32274	0.0413	11.31666	220424912	4050125	83
08/22/2017 06:19:00	16.67668	16.70439	16.65606	734.29998	734.29998	734.29998	11.47393	11.7	11.4	13.0165	13.2	12.9	46.37202	46.4386	46.30007	1.54257	1.8	1.3	11.40615	0.0172	11.4	220424912	4050125	83
08/22/2017 06:24:01	16.67672	16.69694	16.65538	734.40002	734.40002	734.40002	11.42032	11.6	11.3	13.21275	13.3	13	46.35053	46.4386	46.21694	1.79242	1.9	1.6	11.48959	0.01717	11.48361	220424912	4050125	83
08/22/2017 06:29:01	16.67672	16.69694	16.65538	734.40002	734.40002	734.40002	11.42032	11.6	11.3	13.21275	13.3	13	46.35053	46.4386	46.21694	1.79242	1.9	1.6	11.57301	0.03421	11.56666	220424912	4050125	83
08/22/2017 06:34:00	16.67659	16.70174	16.65342	734.40002	734.40002	734.40002	11.40202	11.6	11.3	13.08061	13.2	13	46.33733	46.41089	46.24465	1.67859	1.89999	1.4	11.65644	0.04131	11.65	220424912	4050125	83
08/22/2017 06:39:00	16.67591	16.70174	16.66236	734.45971	734.5	734.40002	11.4	11.4	11.4	13.10723	13.2	13	46.33254	46.41089	46.24465	1.70723	1.8	1.6	11.7399	0.01715	11.73333	220424912	4050125	83
08/22/2017 06:44:01	16.67478	16.68751	16.65274	734.5	734.5	734.5	11.37981	11.4	11.3	13.22336	13.3	13.2	46.35962	46.4386	46.27236	1.84355	2	1.7	11.82336	0.02417	11.81666	220424912	4050125	83
08/22/2017 06:49:01	16.674	16.69694	16.64792	734.47583	734.5	734.40002	11.39343	11.6	11.3	13.30336	13.4	13.2	46.34448	46.41089	46.24465	1.90992	2	1.7	11.90683	0	11.9	220424912	4050125	83
08/22/2017 06:54:01	16.67219	16.6827	16.65951	734.5	734.5	734.5	11.39663	11.4	11.3	13.30336	13.4	13.2	46.33434	46.41089	46.24465	1.90673	2	1.8	11.9903	0.04135	11.98333	220424912	4050125	83
08/22/2017 06:59:01	16.67312	16.69143	16.65881	734.54358	734.60003	734.5	11.52744	11.7	11.4	13.50656	13.6	13.4	46.31118	46.38319	46.21694	1.97912	2.2	1.8	12.07377	0.02413	12.06694	220424912	4050125	83
08/22/2017 07:04:01	16.67312	16.69143	16.65881	734.54358	734.60003	734.5	11.52744	11.7	11.4	13.50656	13.6	13.4	46.31118	46.38319	46.21694	1.97912	2.2	1.8	12.15725	0	12.15	220424912	4050125	83
08/22/2017 07:09:01	16.67628	16.69072	16.66294	734.67779	734.70001	734.60003	11.71329	11.8	11.7	13.68738	13.8	13.6	46.26749	46.35549	46.13382	1.97409	2.1	1.8	12.2407	0	12.23361	220424912	4050125	83
08/22/2017 07:14:01	16.67628	16.69072	16.66294	734.67779	734.70001	734.60003	11.71329	11.8	11.7	13.68738	13.8	13.6	46.26749	46.35549	46.13382	1.97409	2.1	1.8	12.32415	0.04137	12.31666	220424912	4050125	83
08/22/2017 07:19:01	16.67443	16.69485	16.65133	734.75256	734.79998	734.70001	11.82672	11.9	11.8	13.84014	13.9	13.6	46.21405	46.27236	46.16153	2.01341	2.09999	1.8	12.40756	0.06552	12.40027	220424912	4050125	83
08/22/2017 07:24:01	16.67443	16.69485	16.65133	734.75256	734.79998	734.70001	11.82672	11.9	11.8	13.84014	13.9	13.6	46.21405	46.27236	46.16153	2.01341	2.2	1.89999	12.49092	0.03462	12.48361	220424912	4050125	83
08/22/2017 07:29:01	16.67475	16.69411	16.65737	734.79998	734.79998	734.79998	11.91061	12	11.8	13.90334	14.1	13.8	46.19938	46.24465	46.10611	1.99273	2.2	1.89999	12.57437	0.01731	12.56666	220424912	4050125	83
08/22/2017 07:34:01	16.6772	16.69147	16.66148	734.90704	735	734.90002	12.10046	12.2	12	14.07646	14.2	13.9	46.04446	46.13382	45.96756	1.97599	2.1	1.69999	12.6578	0.0173	12.65027	220424912	4050125	83
08/22/2017 07:39:00	16.6772	16.69147	16.66148	734.90704	735	734.90002	12.10046	12.2	12	14.07646	14.2	13.9	46.04446	46.13382	45.96756	1.97599	2.1	1.69999	12.74124	0.01733	12.73333	220424912	4050125	83
08/22/2017 07:44:00	16.6763	16.69823	16.66337	734.901	735	734.90002	12.22335	12.4	12.2	14.15968	14.2	14.1	46.0611	46.13382	45.99528	1.93633	2	1.8	12.82469	0.03352	12.81666	220424912	4050125	83
08/22/2017 07:49:01	16.67593	16.70309	16.65209	734.9262	735	734.90002	12.34355	12.4	12.2	14.08	14.2	13.9	46.06466	46.13382	45.99528	1.73645	2	1.5	12.90814	0	12.9	220424912	4050125	83
08/22/2017 07:54:01	16.67598	16.69147	16.65473	734.93451	735	734.90002	12.4032	12.5	12.4	13.97645	14.1	13.9	46.05544	46.10611	45.99528	1.57325	1.7	1.39999	12.9916	0	12.98361	220424912	4050125	83
08/22/2017 07:59:01	16.67527	16.69368	16.65884	734.9353	735	734.90002	12.44675	12.6	12.4	14.00321	14.1	13.9	46.05139	46.10611	45.99528	1.55646	2	1.6	13.075	0.04148	13.06666	220424912	4050125	83
08/22/2017 08:04:00	16.6749	16.69261	16.65771	734.98791	735	734.90002	12.55295	12.6	12.4	14.41805	14.5	14.2	46.01207	46.0784	45.88444	1.8651	2	1.6	13.15843	0.07361	13.15	220424912	4050125	83
08/22/2017 08:09:01	16.67669	16.69816	16.65826	735.0072	735.10003	735	12.78787	12.9	12.6	15.08922	15.2	14.7	45.929	46.02298	45.85674	2.30135	2.5	2	13.24189	0.00942	13.23361	220424912	4050125	83
08/22/2017 08:14:01	16.67669	16.69816	16.65826	735.0072	735.10003	735	12.78787	12.9	12.6	15.08922	15.2	14.7	45.929	46.02298	45.85674	2.30135	2.5	2	13.32534	0.04162	13.31666	220424912	4050125	83
08/22/2017 08:19:01	16.67427	16.69419	16.6574	735.10406	735.20001	735.10003	13.08724	13.2	13	15.56132	15.8	15.4	45.84241	45.93986	45.7182	2.47408	2.8	2.3	13.40875	0.0177	13.40027	220424912	4050125	83
08/22/2017 08:24:01	16.67427	16.69419	16.6574	735.10406	735.20001	735.10003	13.08724	13.2	13	15.56132	15.8	15.4	45.84241	45.93986	45.7182	2.47408	2.8	2.3	13.49221	0.01769	13.48333	220424912	4050125	83
08/22/2017 08:29:01	16.67565	16.69332	16.6542	735.12524	735.20001	735.10003	13.59378	13.7	13.4	15.7679	15.9	15.6	45.8978	45.96756	45.82903	2.17411	2.39999	2	13.57568	0.04166	13.56694	220424912	4050125	83
08/22/2017 08:34:00	16.67565	16.69332	16.6542	735.12524	735.20001	735.10003	13.59378	13.7	13.4	15.7679	15.9	15.6	45.8978	45.96756	45.82903	2.17411	2.39999	2	13.65912	0	13.65	220424912	4050125	83
08/22/2017 08:39:00	16.67573	16.69682	16.66001	735.18792	735.20001	735.10003	13.84745	14	13.6	15.93448	16.2	15.7	45.81082	45.93986	45.69049	2.08703	2.4	1.9	13.74254	0	13.73333	220424912	4050125	83
08/22/2017 08:44:01	16.67429	16.68684	16.65171	735.20001	735.20001	735.20001	14.33076	14.6	14.1	16.33322	16.5	16.2	45.66962	45.74591	45.57965	2.00246	2.19999	1.8	13.82592	0.0239	13.81694	220424912	4050125	83
08/22/2017 08:49:01	16.67376	16.69854	16.65171	735.20001	735.20001	735.20001	14.62791	14.8	14.4	16.38388	16.5	16.3	45.68673	45.80132	45.60736	1.75596	2.09999	1.49999	13.90932	0.0239	13.90027	220424912	4050125	83
08/22/2017 08:54:01	16.67376	16.69854	16.65171	735.20001	735.20001	735.20001	14.62791	14.8	14.4	16.38388	16.5	16.3	45.68673	45.80132	45.60736	1.75596	2.09999	1.49999	13.99275	0	13.98333	220424912	4050125	83
08/22/2017 08:59:00	16.67479	16.70194	16.65339	735.20001	735.20001	735.20001	14.88053	15	14.8	16.84562	17.1	16.5	45.62734	45.74591	45.55195	1.96509	2.19999	1.69999	14.07618	0.01794	14.06666	220424912	4050125	83
08/22/2017 09:04:00	16.67547	16.69858	16.6567	735.20001	735.20001	735.20001	15.15072	15.3	14.9	16.99631	17.1	16.8	45.61378	45.69049	45.55195	1.84559	2.19999	1.49999	14.15961	0.00588	14.15	220424912	4050125	83
08/22/2017 09:09:00	16.67477	16.69858	16.65833	735.2182	735.29998	735.20001	15.41079	15.6	15.3	16.99413	17.2	16.8	45.61621	45.7182	45.55195	1.58334	1.8	1.39999	14.24305	0.02383	14.23333	220424912	4050125	83
08/22/2017 09:14:01	16.67645	16.69354	16.66075	735.29089	735.29998	735.20001	15.70725	15.8	15.6	17.1711	17.2	17	45.54738	45.63507	45.44112	1.46385	1.8	1.3	14.3265	0.05991	14.31694	220424912	4050125	83
08/22/2017 09:19:00	16.67507	16.69922	16.6589	735.29998	735.29998	735.29998	15.95096	16.1	15.8	17.49856	17.8	17.2	45.44668	45.55195	45.30258	1.5476	1.8	1.3	14.40992	0.02377	14.4	220424912	4050125	83
08/22/2017 09:24:01	16.67578	16.70137	16.65626	735.40002	735.40002	735.40002	16.4736	16.6	16.4	17.96795	18.4	17.6	45.28455	45.3857	45.19175	1.49434	1.9	1.19999	14.49337	0.02374	14.48361	220424912	4050125	83
08/22/2017 09:29:00	16.67578	16.70137	16.65626	735.40002	735.40002	735.40002	16.4736	16.6	16.4	17.96795	18.4	17.6	45.28455	45.3857	45.19175	1.49434	1.9	1.19999	14.57679	0.00543	14.56666	220424912	4050125	83
08/22/2017 09:34:00	16.67512	16.69782	16.65428	735.40319	735.5	735.40002	16.7304	17	16.5	18.31121	18.6	18.1	45.19101	45.33028	45.08091	1.58081	2	1.4	14.66025	0	14.65	220424912	4050125	83
08/22/2017 09:39:00	16.67356	16.69672	16.65831	735.5	735.5	735.5	17.04353	17.2	16.8	18.34921	18.6	18.1	45.09171	45.21946	44.91467	1.30567	1.6	1.1	14.7437	0.00536	14.73333	220424912	4050125	83
08/22/2017 09:44:01	16.67578	16.70124	16.65252	735.51324	735.60003	735.5	17.55406	17.7	17.4	18.8934	19.3	18.6	44.86415	44.94237	44.77613	1.33933	1.6	1.09999	14.82713	0	14.81694	220424912	4050125	83
08/22/2017 09:49:00	16.67578	16.70124	16.65252	735.51324	735.60003	735.5	17.55406	17.7	17.4	18.8934	19.3	18.6	44.86415	44.94237	44.77613	1.33933	1.6	1.09999	14.91056	0	14.9	220424912	4050125	83
08/22/2017 09:54:00	16.67536	16.68942	16.65134	735.58288	735.60003	735.5	17.83747	18	17.7	19.23023	19.3	19.2	44.78151	44.88695	44.693	1.39276	1.5	1.3	14.99396	0.02367	14.98333	220424912	4050125	83
08/22/2017 09:59:01	16.67554	16.69342	16.65941	735.60003	735.60003	735.60003	18.35362	18.5	18.3	19.39624	19.6	19.2	44.81073	44.99779	44.693	1.04262	1.19999	0.89999	15.07737	0	15.06694	220424912	4050125	83
08/22/2017 10:04:00	16.67554	16.69342	16.65941	735.60003	735.60003	735.60003	18.35362	18.5	18.3	19.39624	19.6	19.2	44.81073	44.99779	44.693	1.04262	1.6	1.09999	15.16083	0.04221	15.15	220424912	4050125	83
08/22/2017 10:09:00	16.67467	16.69776	16.65298	735.65564	735.70001	735.60003	18.62121	18.8	18.4	19.9336	20.1	19.8	44.74987	44.83154	44.66529	1.31239	1.6	1.09999	15.24427	0.01875	15.23333	220424912	4050125	83
08/22/2017 10:14:00	16.67545	16.6913	16.65845	735.70001	735.70001	735.70001	18.90722	19	18.8	20.25455	20.6	20	44.78451	44.91467	44.66529	1.34733	1.69999	1.1	15.32769	0.02359	15.31666	220424912	4050125	83
08/22/2017 10:19:00	16.6745	16.69406	16.65575	735.70202	735.79998	735.70001	19.12298	19.4	19	20.40326	20.6	20.1	44.80849	44.91467	44.63758	1.28027	1.6	0.69999	15.41113	0	15.4	220424912	4050125	83
08/22/2017 10:24:01	16.67577	16.6941	16.65714	735.78991	735.79998	735.70001	19.73446	20	19.5	20.68297	21	20.5	44.85559	45.10862	44.72071	0.94851	1.3	0.6	15.49456	0.00462	15.48361	220424912	4050125	83
08/22/2017 10:29:00	16.67577	16.6941	16.65714	735.78991	735.79998	735.70001	19.73446	20	19.5	20.68297	21	20.5	44.85559	45.10862	44.72071	0.94851	1.3	0.6	15.57799	0	15.56666	220424912	4050125	83
08/22/2017 10:34:00	16.67568	16.69269	16.65714	735.79998	735.79998	735.79998	20.05159	20.2	19.8	21.26591	21.8	20.8	44.83488	44.99779	44.72071	1.21431	1.69999	0.8	15.66141	0.02346	15.65	220424912	4050125	83
08/22/2017 10:39:00	16.67416	16.69269	16.65162	735.79998	735.79998	735.79998	20.2877	20.4	20.1	21.6669	21.9	21.4	44.84502	44.97008	44.72071	1.3792	1.39999	0.69999	15.74486	0	15.73361	220424912	4050125	83
08/22/2017 10:44:00	16.6746	16.69928	16.65038	735.79998	735.79998	735.79998	20.64012	20.8	20.4	21.71238	21.9	21.3	44.94601	45.08091	44.77613	1.07226	1.39999	0.69999	15.82831	0.10422	15.81666	220424912	4050125	83
08/22/2017 10:49:00	16.67545	16.69736	16.65916	735.85766	735.90002	735.79998	21.25471	21.4	21	22.55433	22.9	22.2	44.9174	45.13633	44.74842	1.29962	1.59999	1.09999	15.91174	0.12787	15.90027	220424912	4050125	83
08/22/2017 10:54:00	16.67618	16.70275	16.65493	735.89697	735.90002	735.79998	21.53745	21.8	21.4	22.75545	22.9	22.4	44.9174	45.13633	44.74842	1.29962	1.49999	0.8	15.99518	0.04265	15.98361	220424912	4050125	83
08/22/2017 10:59:00	16.67618	16.70275	16.65493	735.89697	735.90002	735.79998	21.53745	21.8	21.4	22.75545	22.9	22.4	44.96129	45.19175	44.80384	1.21799	1.49999	0.8	16.07858	0.06189	16.06666	220424912	4050125	83
08/22/2017 11:04:00	16.67478	16.68919	16.63869	735.89196	735.90002	735.79998	21.93731	22.1	21.6	23.07834	23.5	22.8	44.994	45.21946	44.88695	1.14102	1.5	0.69999	16.16202	0.02333	16.15	220424912	4050125	83

08/22/2017 11:09:00	16.67515	16.69852	16.65831	735.90002	735.90002	735.90002	22.28068	22.5	22	23.21454	23.6	22.9	45.12244	45.27487	44.94237	0.93385	1.3	0.4	16.24544	0.01941	16.23361	220424912	4050125	83
08/22/2017 11:14:00	16.67421	16.69646	16.65395	735.90002	735.90002	735.90002	22.62405	22.8	22.4	23.40525	24	23	45.10056	45.30258	44.88695	0.78119	1.3	0.4	16.32889	0	16.31666	220424912	4050125	83
08/22/2017 11:19:00	16.676	16.69313	16.65606	735.9071	736	735.90002	23.28766	23.4	23.1	24.34713	24.7	23.8	44.94242	44.99779	44.80384	1.05946	1.4	0.59999	16.41225	0.02327	16.40027	220424912	4050125	83
08/22/2017 11:24:00	16.67577	16.7007	16.65606	735.91009	736	735.90002	23.57764	23.7	23.4	24.38711	24.9	24.1	44.93562	45.0255	44.80384	0.80947	1.19999	0.6	16.49545	0.06611	16.48361	220424912	4050125	83
08/22/2017 11:29:00	16.67577	16.7007	16.65606	735.91009	736	735.90002	23.57764	23.7	23.4	24.38711	24.9	24.1	44.93562	45.0255	44.80384	0.80947	1.19999	0.6	16.57866	0.00356	16.56666	220424912	4050125	83
08/22/2017 11:34:01	16.67649	16.71022	16.65455	735.90503	736	735.90002	24.22114	24.4	23.9	24.97721	25.5	24.7	44.87984	44.99779	44.77613	0.75607	1.2	0.39999	16.66186	0.04299	16.65027	220424912	4050125	83
08/22/2017 11:39:00	16.67649	16.71022	16.65455	735.90503	736	735.90002	24.22114	24.4	23.9	24.97721	25.5	24.7	44.87984	44.99779	44.77613	0.75607	1.2	0.39999	16.74507	0.02317	16.73333	220424912	4050125	83
08/22/2017 11:44:00	16.67596	16.703	16.63618	735.98993	736	735.90002	24.81441	25	24.6	25.68113	26.2	25.3	44.88494	45.0255	44.72071	0.86672	1.3	0.39999	16.82827	0.08618	16.81694	220424912	4050125	83
08/22/2017 11:49:00	16.67482	16.69456	16.65093	736	736	736	25.12427	25.4	24.9	25.976	26.4	25.5	44.87468	44.97008	44.72071	0.85173	1.4	0.09999	16.91148	0.08613	16.90027	220424912	4050125	83
08/22/2017 11:54:00	16.67482	16.69456	16.65093	736	736	736	25.12427	25.4	24.9	25.976	26.4	25.5	44.87468	44.97008	44.72071	0.85173	1.4	0.09999	16.99468	0.08618	16.98333	220424912	4050125	83
08/22/2017 11:59:00	16.67611	16.69186	16.65653	736	736	736	25.44999	25.6	25.2	25.93077	26.2	25.6	44.89502	44.97008	44.80384	0.48077	1	0.19999	17.07788	0.04621	17.06694	220424912	4050125	83
08/22/2017 12:04:00	16.6757	16.69368	16.65564	736	736	736	25.69271	26	25.5	26.22216	26.7	25.8	44.87019	44.97008	44.77613	0.52944	1	0.19999	17.16109	0.04319	17.15	220424912	4050125	83
08/22/2017 12:09:00	16.67482	16.69711	16.64782	735.99798	736	735.90002	26.27427	26.4	26.1	26.73144	27.1	26.2	44.90963	45.0255	44.80384	0.4639	1	0.09999	17.2443	0	17.23361	220424912	4050125	83
08/22/2017 12:14:00	16.67482	16.69711	16.64782	735.99798	736	735.90002	26.27427	26.4	26.1	26.73144	27.1	26.2	44.90963	45.0255	44.80384	0.4639	0.69999	0	17.32751	0.02012	17.31694	220424912	4050125	83
08/22/2017 12:19:00	16.67582	16.70191	16.65264	735.97265	736	735.90002	26.57967	26.7	26.4	26.79345	27.2	26.4	44.91513	45.0255	44.77613	0.26757	0.69999	0	17.41071	0.04319	17.4	220424912	4050125	83
08/22/2017 12:24:00	16.6755	16.70862	16.65167	735.94238	736	735.90002	27.08079	27.3	26.9	27.51866	28.2	26.7	44.86286	44.97008	44.74842	0.47013	1.2	0	17.49392	0.03243	17.48361	220424912	4050125	83
08/22/2017 12:29:00	16.6755	16.70862	16.65167	735.94238	736	735.90002	27.08079	27.3	26.9	27.51866	28.2	26.7	44.86286	44.97008	44.74842	0.47013	1.2	0	17.57713	0.02303	17.56666	220424912	4050125	83
08/22/2017 12:34:00	16.6759	16.70137	16.65281	735.91314	736	735.90002	27.38702	27.5	27.3	27.50082	27.9	27.2	44.87521	44.97008	44.72071	0.18737	0.49999	0	17.66033	0.04603	17.65	220424912	4050125	83
08/22/2017 12:39:00	16.67596	16.70368	16.65281	735.90002	735.90002	735.90002	27.93659	28.1	27.8	27.79278	28.2	27.4	44.90398	44.99779	44.74842	0.21107	0.6	0	17.74354	0.02033	17.73361	220424912	4050125	83
08/22/2017 12:44:00	16.67596	16.70368	16.65281	735.90002	735.90002	735.90002	27.93659	28.1	27.8	27.79278	28.2	27.4	44.90398	44.99779	44.74842	0.21107	0.6	0	17.82675	0.04082	17.81666	220424912	4050125	83
08/22/2017 12:49:00	16.67534	16.6956	16.65066	735.83123	735.90002	735.79998	28.43664	28.6	28.2	28.2936	28.8	27.9	44.8196	44.91467	44.72071	0.1766	0.5	0	17.90995	0	17.90027	220424912	4050125	83
08/22/2017 12:54:00	16.67534	16.6956	16.65066	735.83123	735.90002	735.79998	28.43664	28.6	28.2	28.2936	28.8	27.9	44.8196	44.91467	44.72071	0.1766	0.5	0	17.99315	0.087	17.98333	220424912	4050125	83
08/22/2017 12:59:00	16.67566	16.69433	16.64753	735.83123	735.90002	735.79998	28.83055	29.1	28.7	28.76296	29.1	28.5	44.75005	44.94237	44.60987	0.26126	0.6	0	18.07635	0.04584	18.06694	220424912	4050125	83
08/22/2017 13:04:00	16.67514	16.70407	16.64753	735.81915	735.90002	735.79998	29.08053	29.2	29	28.84283	29.1	28.5	44.7389	44.85925	44.60987	0.24442	0.7	0	18.15956	0.02292	18.15027	220424912	4050125	83
08/22/2017 13:09:00	16.67514	16.70407	16.64753	735.81915	735.90002	735.79998	29.08053	29.2	29	28.84283	29.1	28.5	44.7389	44.85925	44.60987	0.24442	0.7	0	18.24277	0.04795	18.23333	220424912	4050125	83
08/22/2017 13:14:00	16.67613	16.69892	16.64302	735.79998	735.79998	735.79998	29.29979	29.4	29.1	29.28842	29.5	29.1	44.64599	44.80384	44.55446	0.14597	0.49999	0	18.32597	0.05508	18.31666	220424912	4050125	83
08/22/2017 13:19:00	16.67535	16.70013	16.64855	735.79394	735.90002	735.70001	29.53394	29.7	29.3	29.62683	30.1	29.1	44.64993	44.80384	44.52675	0.26368	0.49999	0	18.40918	0.02282	18.4	220424912	4050125	83
08/22/2017 13:24:00	16.67475	16.69488	16.65118	735.8294	735.90002	735.70001	29.94686	30.2	29.8	30.096	30.4	29.8	44.53009	44.66529	44.41592	0.18274	0.49999	0	18.49238	0	18.48361	220424912	4050125	83
08/22/2017 13:29:00	16.67475	16.69488	16.65118	735.8294	735.90002	735.70001	29.94686	30.2	29.8	30.096	30.4	29.8	44.53009	44.66529	44.41592	0.18274	0.49999	0	18.57558	0.04561	18.56666	220424912	4050125	83
08/22/2017 13:34:00	16.67501	16.69808	16.65438	735.91021	736	735.79998	30.26032	30.3	30	29.96806	30.4	29.7	44.5753	44.66529	44.47134	0.3057	0.7	0	18.65879	0.04367	18.65	220424912	4050125	83
08/22/2017 13:39:00	16.67479	16.70241	16.64591	735.93634	736	735.90002	30.59728	30.9	30.4	30.26946	30.7	29.8	44.5988	44.693	44.44363	0.34128	0.8	0	18.742	0.04562	18.73361	220424912	4050125	83
08/22/2017 13:44:00	16.67479	16.70241	16.64591	735.93634	736	735.90002	30.59728	30.9	30.4	30.26946	30.7	29.8	44.5988	44.693	44.44363	0.34128	0.8	0	18.8252	0.0209	18.81666	220424912	4050125	83
08/22/2017 13:49:00	16.67644	16.6992	16.65549	735.91717	736	735.90002	30.83343	31	30.6	30.1769	30.4	30	44.67357	44.80384	44.58217	0.65652	0.9	0.3	18.90841	0.0437	18.9	220424912	4050125	83
08/22/2017 13:54:00	16.67698	16.69436	16.65704	735.87976	735.90002	735.79998	31.13074	31.2	31	30.61929	31.2	30.1	44.75686	44.83154	44.63758	0.51144	1	0	18.99161	0.03608	18.98361	220424912	4050125	83
08/22/2017 13:59:00	16.67483	16.7141	16.65378	735.85546	735.90002	735.79998	31.31395	31.5	31.1	30.49054	31	30.1	44.86952	44.99779	44.74842	0.8234	1.3	0.2	19.07482	0.05311	19.06694	220424912	4050125	83
08/22/2017 14:04:00	16.67483	16.7141	16.65378	735.85546	735.90002	735.79998	31.31395	31.5	31.1	30.49054	31	30.1	44.86952	44.99779	44.74842	0.8234	1.3	0.2	19.15804	0.02102	19.15	220424912	4050125	83
08/22/2017 14:09:00	16.67572	16.71027	16.65378	735.79998	735.79998	735.79998	31.57647	31.7	31.5	30.88292	31.3	30.6	45.03382	45.16404	44.83154	0.69355	0.9	0.2	19.24125	0	19.23361	220424912	4050125	83
08/22/2017 14:14:00	16.67572	16.71027	16.65378	735.79998	735.79998	735.79998	31.57647	31.7	31.5	30.88292	31.3	30.6	45.03382	45.16404	44.83154	0.69355	1.4	0.7	19.32446	0.08749	19.31694	220424912	4050125	83
08/22/2017 14:19:00	16.67418	16.71464	16.6464	735.79998	735.79998	735.79998	31.66973	31.8	31.6	30.65831	31	30.3	45.11643	45.19175	45.0255	1.01141	1.4	0.7	19.40768	0.02272	19.4	220424912	4050125	83
08/22/2017 14:24:00	16.67592	16.69797	16.65425	735.79986	735.79998	735.70001	31.92066	32	31.7	31.11568	31.4	30.7	45.089	45.13633	44.99779	0.80497	1.3	0.4	19.49088	0.1085	19.48361	220424912	4050125	83
08/22/2017 14:29:00	16.67561	16.70553	16.65378	735.73944	735.79998	735.70001	32.03676	32.1	32	30.82423	31.2	30.4	45.14639	45.33028	45.08091	1.21252	1.6	0.8	19.57412	0.08755	19.56694	220424912	4050125	83
08/22/2017 14:34:00	16.67671	16.70652	16.65378	735.77063	735.79998	735.70001	32.12017	32.2	32	31.03091	31.3	30.8	45.13198	45.33028	45.0532	1.08926	1.4	0.7	19.65734	0.04207	19.65027	220424912	4050125	83
08/22/2017 14:39:00	16.67671	16.70652	16.65378	735.77063	735.79998	735.70001	32.12017	32.2	32	31.03091	31.3	30.8	45.13198	45.33028	45.0532	1.08926	1.4	0.7	19.74057	0.06483	19.73333	220424912	4050125	83
08/22/2017 14:44:00	16.6757	16.70604	16.65003	735.72223	735.79998	735.70001	32.18315	32.3	32.1	31.03432	31.3	30.7	45.13171	45.30258	45.0255	1.14883	1.5	0.9	19.82379	0.04548	19.81666	220424912	4050125	83
08/22/2017 14:49:00	16.67577	16.70652	16.65641	735.70306	735.79998	735.70001	32.237	32.3	32.2	31.02444	31.4	30.7	45.04448	45.16404	44.91467	1.21256	1.5	0.8	19.90699	0.03042	19.9	220424912	4050125	83
08/22/2017 14:54:00	16.6749	16.69733	16.65688	735.67065	735.70001	735.60003	32.23676	32.3	32.2	31.13043	31.4	30.7	44.99099	45.10862	44.85925	1.10633	1.59999	0.8	19.9902	0.10887	19.98333	220424912	4050125	83
08/22/2017 14:59:00	16.67463	16.70042	16.65404	735.57281	735.60003	735.5	32.28923	32.4	32.2	31.18787	31.6	30.8	44.86478	44.97008	44.74842	1.10136	1.4	0.69999	20.0734	0.00159	20.06694	220424912	4050125	83
08/22/2017 15:04:00	16.67546	16.69997	16.63494	735.57281	735.60003	735.5	32.28923	32.4	32.2	31.18787	31.6	30.8	44.86478	44.97008	44.74842	1.10136	1.3	0.7	20.15661	0.02114	20.15027	220424912	4050125	83
08/22/2017 15:09:00	16.67546	16.69997	16.63494	735.55651	735.60003	735.5	32.29663	32.3	32.2	31.31076	31.5	31	44.84194	44.94237	44.77613	0.98586	1.3	0.7	20.23981	0.05716	20.23333	220424912	4050125	83
08/22/2017 15:14:00	16.67471	16.70976	16.63889	735.52526	735.60003	735.40002	32.29663	32.4	32.2	31.03099	31.4	30.7	44.86387	44.99779	44.77613	1.26541	2.3	1.3	20.32305	0.06836	20.31694	220424912	4050125	83
08/22/2017 15:19:00	16.67471	16.70976	16.63889	735.52526	735.60003	735.40002	32.29663	32.4	32.2	30.4862	31	30.1	44.85534	45.0255	44.74842	1.81042	2.3	1.3	20.40627	0.02101	20.4	220424912	4050125	83
08/22/2017 15:24:00	16.6756	16.70976	16.65378	735.50708	735.60003	735.40002	32.24952	32.3	32.1	30.4173	30.8	30.1	44.72656	44.85925	44.52675	1.83222	2.19999	1.5	20.48947	0.02279	20.48333	220424912	4050125	83
08/22/2017 15:29:00	16.67529	16.6975	16.64579	735.5	735.60003	735.40002	32.21278	32.3	32.1	30.58909	31.2	30.2	44.57449	44.66529	44.44363	1.62369	2	1	20.57269	0.08754	20.56666	220424912	4050125	83
08/22/2017 15:34:00	16.6758	16.706	16.65642	735.4201	735.60003	735.29998	32.12959	32.2	32	30.34575	30.7	30.1	44.48687	44.60987	44.30509	1.78383	2	1.4	20.65591	0.00941	20.65	220424912	4050125	83
08/22/2017 15:39:00	16.67525	16.70007	16.65319	735.22223	735.40002	735.10003	31.93271	32	31.7	30.50764	30.8	30.2	44.28659	44.38821	44.11113	1.42506	1.7	0.9	20.73911	0.076	20.73361	220424912	4050125	83
08/22/2017 15:44:00	16.67441	16.69367	16.64731	735.12017	735.40002	735	31.76185	32	31.7	30.68994	31.3	30.3	44.18801	44.27739	44.08343	1.0719	1.6	0.5	20.82232	0.01334	20.81694	220424912	4050125	83
08/22/2017 15:49:00	16.67441	16.69367	16.64731	735.12017	735.40002	735	31.76185	32	31.7	30.68994	31.3	30.3	44.18801	44.27739	44.08343	1.0719	1.6	0.5	20.90553	0.01334	20.9	220424912	4050125	83
08/22/2017 15:54:00	16.67446	16.70536	16.65357	735.0686	735.20001	734.90002	31.70604	31.8	31.7	30.56189	30.8	30.2	44.19695	44.30509	44.08343	1.14414	1.5	0.9	20.98873	0.01883	20.98333	220424912	4050125	83
08/22/2017 15:59:00	16.6749	16.68932	16.64934	734.96258	735.10003	734.90002	31.66637	31.7	31.6	30.52582	30.8	30.3	44.11087	44.22197	44.0003	1.14055	1.4	0.9	21.07194	0.00941	21.06666	220424912	4050125	83
08/22/2017 16:04:00	16.67493	16.69836	16.65786	734.85955	735	734.79998	31.6101	31.7	31.5	30.42082	30.8	30.1	44.03615	44.16655	43.97259	1.18928	1.5	0.9	21.15514	0	21.15027	220424912	4050125	83
08/22/2017 16:09:00	16.67665	16.69836	16.65305	734.83014	735	734.70001	31.60336	31.7	31.6	30.22509	30.8	29.8	44.05494	44.13884	43.97259	1.37827	1.8	0.8	21.23835	0.02108	21.23361	220424912	4050125	83
08/22/2017 16:14:00	16.67665	16.69836	16.65305	734.83014	735	734.70001	31.60336	31.7	31.6	30.22509	30.8	29.8	44.05494	44.13884	43.97259	1.37827	1.2	0.4	21.32156	0.04387	21.31694	220424912	4050125	83
08/22/2017 16:19:00	16.67541	16.701	16.64497	734.76568	734.90002	734.70001	31.58725	31.7	31.5	30.78967	31.2	30.4	43.99981	44.08343	43.94488	0.79757	1.8	0.3	21.40477	0.04375	21.40027	220424912	4050125	83
08/22/2017 16:24:00	16.67423	16.69943	16.64233	734.79791	735	734.70001	31.57377	31.6	31.5	30.39467	31.2	29.8	43.99499	44.11113	43.91718	1.1791	1.8	0.3	21.48798	0.01339	21.48333	220424912	4050125	83
08/22/2017 16:29:00	16.67492	16.7133	16.65147	734.72729	734.90002	734.60003	31.58342	31.6	31.5	30.5016	30.7	30.1	43.98772	44.05571	43.88947	1.08182	1.4	0.8	21.57119	0.0209	21.56666	220424912	4050125	83
08/22/2017 16:34:00	16.67511	16.701	16.65675	734.72827	734.79998	734.70001	31.55964	31.6	31.4	30.39262	30.7	30.1	44.00932	44.08343	43.94488	1.16702	1.5	0.7	21.65439	0.03221	21.65	220424912	4050125	83
08/22/2017 16:39:00	16.67437	16.69674	16.6535	734.61212	734.70001	734.60003	31.51657	31.6	31.4	30.33662	30.7	30	44.06738	44.16655	43.94488	1.17995	1.5	0.8	21.7376	0.04376	21.73361	220424912	4050125	83
08/22/2017 16:44:00	16.67512	16.70208	16.64607	734.60809	734.70001	734.60003	31.47377	31.6	31.4	30.09074	30.7	29.7	44.07149	44.16655	43.94488	1.38302	1.9	0.7	21.82081	0	21.81694	220424912	4050125	83
08/22/2017 16:49:00	16.67512	16.70208	16.64607	734.60809	734.70001	734.60003	31.47377	31.6	31.4	30.09074	30.7	29.7	44.07149	44.16655	43.94488	1.38302	1.8	1	21.90402	0.02281	21.90027	220424912	4050125	83
08/22/2017 16:54:00	16.67412	16.69567	16.65833	734.5758	734.60003	734.5	31.43297	31.6	31.2	30.00827	30.2	29.7	44.01047	44.16655	43.86176	1.42469	1.8	1	21.98722	0	21.98333	220424912	4050125	83
08/22/2017 16:59:00	16.67352	16.69245	16.64871	734.50604	734.60003	734.5	31.38993	31.5	31.2	30.08274	30.3	29.8	43.9971	44.16655	43.86176	1.30719	1.6	1	22.07042	0	22.06666	220424912	4050125	83
08/22/2017 17:04:00	16.67425	16.7015	16.64871	734.45349	734.5	734.40002	31.23902	31.4	31.2	29.94326	30.3	29.7	44.07714	44.19426	43.94488	1.29575	1.6	0.9	22.15363	0.01143	22.15027	220424912	4050125	83
08/22/2017 17:09:00	16.67491	16.71113	16.65135	734.42523	734.5	734.40002	31.16634	31.4	31	30.03807	30.3	29.7	43.99555	44.08343	43.88947	1.12826	1.6	0.7	22.23684	0.08755	22.23361	220424912	4050125	83
08/22/2017 17:14:00	16.67415	16.69509	16.65135	734.40405	734.5	734.40002	31.06924	31.2	31	30.06638	30.3	29.8	44.02012	44.16655	43.88947	1.00286	1.4	0.8	22.32004	0.02281	22.31694	220424912	4050125	83
08/22/2017 17:19:00	16.67415	16.69509	16.65135	734.40405	734.5	734.40002	31.06924	31.2	31	30.06638	30.3	29.8	44.02012	44.16655	43.88947	1.00286	1.4	0.8	22.40325	0.04181	22.4	220424912	4050125	83
08/22/2017 17:24:00	16.67459	16.71147	16.64703	734.45044	734.5	734.40002	30.94375	31	30.9	29.51513	29.8	29.1	43.99621	44.13884	43.91718	1.42861	1.9	1.1	22.48645	0.05306	22.48361	220424912	4050125	83
08/22/2017 17:29:00	16.67443	16.69923	16.64967	734.46472	734.5	734.40002	30.84009	30.9	30.6	29.36545	29.6	29	43.96139	44.02801	43.88947	1.47464	1.9	1.2	22.56966	0.11019	22.56694	220424912	4050125	83

08/22/2017 17:34:00	16.67443	16.69923	16.64967	734.46472	734.5	734.40002	30.84009	30.9	30.6	29.36545	29.6	29	43.96139	44.02801	43.88947	1.47464	1.9	1.2	22.65286	0.02287	22.65	220424912	4050125	83
08/22/2017 17:39:00	16.67446	16.69658	16.64703	734.49694	734.5	734.40002	30.50021	30.6	30.4	29.40389	29.6	29.1	43.93364	44.0003	43.83406	1.09632	1.4	0.9	22.73606	0.04576	22.73361	220424912	4050125	83
08/22/2017 17:44:00	16.67446	16.69658	16.64703	734.49694	734.5	734.40002	30.50021	30.6	30.4	29.40389	29.6	29.1	43.93364	44.0003	43.83406	1.09632	1.4	0.9	22.81927	0.00941	22.81666	220424912	4050125	83
08/22/2017 17:49:00	16.67432	16.69658	16.64703	734.4898	734.5	734.40002	30.39999	30.5	30.3	29.34958	29.5	29.1	43.87769	44.02801	43.80635	1.0504	1.3	0.8	22.90247	0	22.9	220424912	4050125	83
08/22/2017 17:54:00	16.6746	16.69923	16.65401	734.41211	734.5	734.40002	30.28048	30.4	30	29.4094	29.6	29.1	43.91121	44.0003	43.80635	0.87108	1.19999	0.6	22.98568	0.04359	22.98333	220424912	4050125	83
08/22/2017 17:59:00	16.67509	16.69799	16.65488	734.40002	734.40002	734.40002	29.98683	30.2	29.8	28.84633	29.1	28.6	43.98221	44.08343	43.80635	1.14049	1.4	0.8	23.06888	0.0414	23.06694	220424912	4050125	83
08/22/2017 18:04:00	16.67509	16.69799	16.65488	734.40002	734.40002	734.40002	29.98683	30.2	29.8	28.84633	29.1	28.6	43.98221	44.08343	43.80635	1.14049	1.4	0.8	23.15208	0.0436	23.15027	220424912	4050125	83
08/22/2017 18:09:00	16.67476	16.6929	16.64847	734.36059	734.40002	734.29998	29.73633	29.9	29.6	28.56118	28.9	28.4	43.97227	44.11113	43.83406	1.17515	1.4	0.8	23.23528	0.0341	23.23361	220424912	4050125	83
08/22/2017 18:14:00	16.67476	16.6929	16.64847	734.36059	734.40002	734.29998	29.73633	29.9	29.6	28.56118	28.9	28.4	43.97227	44.11113	43.83406	1.17515	1.4	0.8	23.31849	0.0435	23.31666	220424912	4050125	83
08/22/2017 18:19:00	16.67376	16.6929	16.65561	734.31915	734.40002	734.29998	29.62288	29.7	29.4	28.41101	28.8	28.2	43.96666	44.08343	43.91718	1.21187	1.4	0.9	23.40169	0	23.4	220424912	4050125	83
08/22/2017 18:24:00	16.67333	16.69798	16.64918	734.29998	734.29998	734.29998	29.30362	29.4	29.2	28.21754	28.4	27.9	43.95981	44.05571	43.88947	1.08607	1.4	0.9	23.48489	0.02297	23.48361	220424912	4050125	83
08/22/2017 18:29:00	16.67333	16.69798	16.64918	734.29998	734.29998	734.29998	29.30362	29.4	29.2	28.21754	28.4	27.9	43.95981	44.05571	43.88947	1.08607	1.4	0.9	23.5681	0.06382	23.56666	220424912	4050125	83
08/22/2017 18:34:00	16.67414	16.6992	16.64782	734.22625	734.29998	734.20001	28.98974	29.1	28.7	27.75359	27.9	27.6	44.03754	44.16655	43.91718	1.23615	1.4	1	23.6513	0.00943	23.65027	220424912	4050125	83
08/22/2017 18:39:00	16.67414	16.6992	16.64782	734.22625	734.29998	734.20001	28.98974	29.1	28.7	27.75359	27.9	27.6	44.03754	44.16655	43.91718	1.23615	1.4	1	23.73451	0.06642	23.73333	220424912	4050125	83
08/22/2017 18:44:00	16.67405	16.70492	16.64975	734.21112	734.29998	734.20001	28.71949	29	28.6	27.62864	27.8	27.4	43.98053	44.08343	43.86176	1.09085	1.4	1	23.81771	0.02304	23.81666	220424912	4050125	83
08/22/2017 18:49:00	16.67382	16.70492	16.64565	734.21612	734.29998	734.20001	28.6269	28.7	28.5	27.36681	27.8	27.1	44.06599	44.16655	43.94488	1.26009	1.6	0.8	23.90092	0.02302	23.9	220424912	4050125	83
08/22/2017 18:54:00	16.67497	16.69693	16.66045	734.20001	734.20001	734.20001	28.47602	28.6	28.4	27.28722	27.6	27.2	44.03037	44.13884	43.94488	1.18879	1.4	0.9	23.98412	0.04613	23.98333	220424912	4050125	83
08/22/2017 18:59:00	2.85346	16.68319	0	734.20532	734.29998	734.20001	28.06534	28.2	28	26.75642	27.1	26.6	24.22844	44.11113	19.81121	1.30891	1.5	0.9	24.00145	0	24	220424912	4050125	83
08/22/2017 19:04:00	0	0	0	734.20806	734.29998	734.20001	27.95651	28	27.9	26.36823	26.7	26.2	20.0639	20.11601	19.92205	1.58828	1.8	1.3	24.00145	0	24	220424912	4050125	83
08/22/2017 19:09:00	0	0	0	734.20806	734.29998	734.20001	27.95651	28	27.9	26.36823	26.7	26.2	20.0639	20.11601	19.92205	1.58828	1.8	1.3	24.00145	0	24	220424912	4050125	83
08/22/2017 19:14:00	0	0	0	734.20001	734.20001	734.20001	27.30941	27.4	27	25.79512	26.1	25.6	20.082	20.11601	19.97746	1.51428	1.7	1.3	24.00145	0	24	220424912	4050125	83
08/22/2017 19:19:00	0	0	0	734.20001	734.20001	734.20001	27.30941	27.4	27	25.79512	26.1	25.6	20.082	20.11601	19.97746	1.51428	1.7	1.3	24.00145	0	24	220424912	4050125	83
08/22/2017 19:24:00	0	0	0	734.16973	734.20001	734.10003	26.98008	27.3	26.9	25.42582	25.6	25.2	20.07781	20.17142	19.97746	1.55426	1.7	1.4	24.00145	0	24	220424912	4050125	83
08/22/2017 19:29:00	0	0	0	734.19293	734.20001	734.10003	26.73296	26.9	26.6	25.0662	25.2	24.9	20.0582	20.22684	19.94976	1.66676	1.8	1.5	24.00145	0	24	220424912	4050125	83
08/22/2017 19:34:00	0	0	0	734.20202	734.29998	734.20001	26.49243	26.7	26.3	24.77965	24.9	24.6	20.01173	20.11601	19.94976	1.71278	1.9	1.5	24.00145	0	24	220424912	4050125	83
08/22/2017 19:39:00	0	0	0	734.2091	734.29998	734.20001	26.17939	26.3	26	24.47265	24.7	24.3	20.01786	20.11601	19.92205	1.70674	1.9	1.5	24.00145	0	24	220424912	4050125	83
08/22/2017 19:44:00	0	0	0	734.28192	734.40002	734.20001	25.85881	26.1	25.7	24.12295	24.4	23.8	19.99252	20.06059	19.92205	1.73585	1.9	1.6	24.00145	0	24	220424912	4050125	83
08/22/2017 19:49:00	0	0	0	734.38177	734.40002	734.29998	25.53256	25.7	25.4	23.72339	23.8	23.5	19.98018	20.06059	19.83893	1.80917	2	1.7	24.00145	0	24	220424912	4050125	83
08/22/2017 19:54:00	0	0	0	734.41119	734.5	734.29998	24.80592	25	24.6	23.12339	23.2	22.9	19.93365	20.06059	19.83893	1.68253	1.8	1.4	24.00145	0	24	220424912	4050125	83
08/22/2017 19:59:00	0	0	0	734.49292	734.60003	734.40002	24.446	24.6	24.3	22.85301	23	22.6	19.91773	20.03288	19.81121	1.59299	1.7	1.5	24.00145	0	24	220424912	4050125	83
08/22/2017 20:04:00	0	0	0	734.43432	734.5	734.40002	24.07202	24.3	23.9	22.58411	22.8	22.4	19.86723	20.00517	19.7558	1.4879	1.8	1.3	24.00145	0	24	220424912	4050125	83
08/22/2017 20:09:00	0	0	0	734.43432	734.5	734.40002	24.07202	24.3	23.9	22.58411	22.8	22.4	19.86723	20.00517	19.7558	1.4879	1.8	1.3	24.00145	0	24	220424912	4050125	83
08/22/2017 20:14:00	0	0	0	734.36358	734.5	734.29998	23.74601	23.9	23.4	22.33255	22.5	22.2	19.8603	19.92205	19.78351	1.41346	1.6	1.2	24.00145	0	24	220424912	4050125	83
08/22/2017 20:19:00	0	0	0	734.30102	734.40002	734.29998	23.36241	23.6	23.1	22.12594	22.2	21.9	19.86615	19.92205	19.81121	1.23647	1.5	0.9	24.00145	0	24	220424912	4050125	83
08/22/2017 20:23:59	0	0	0	734.36163	734.40002	734.29998	23.0456	23.3	22.8	22.19069	22.3	21.9	19.85	19.89434	19.7558	0.85491	1.2	0.6	24.00145	0	24	220424912	4050125	83
08/22/2017 20:28:59	0	0	0	734.30908	734.40002	734.20001	22.68278	23	22.5	21.91305	22	21.8	19.86169	19.92205	19.78351	0.76973	1.1	0.6	24.00145	0	24	220424912	4050125	83
08/22/2017 20:33:59	0	0	0	734.29901	734.40002	734.20001	22.44294	22.6	22.2	21.77294	21.9	21.6	19.85965	19.86663	19.81121	0.66999	0.8	0.5	24.00145	0	24	220424912	4050125	83
08/22/2017 20:38:59	0	0	0	734.29992	734.29998	734.20001	22.08276	22.4	21.9	21.31197	21.6	21.1	19.83323	19.86663	19.70039	0.77079	0.9	0.5	24.00145	0	24	220424912	4050125	83
08/22/2017 20:44:00	0	0	0	734.26562	734.29998	734.20001	21.49959	21.6	21.4	21.08319	21.2	20.8	19.78627	19.89434	19.70039	0.4164	0.7	0.3	24.00145	0	24	220424912	4050125	83
08/22/2017 20:49:00	0	0	0	734.26471	734.29998	734.20001	21.27996	21.4	21	21.15046	21.2	21.1	19.79189	19.86663	19.70039	0.15586	0.3	0.1	24.00145	0	24	220424912	4050125	83
08/22/2017 20:54:00	0	0	0	734.31207	734.40002	734.20001	20.96998	21.3	20.9	21.10672	21.2	21.1	19.74262	19.83893	19.67268	0.15693	0.3	0.1	24.00145	0	24	220424912	4050125	83
08/22/2017 20:59:00	0	0	0	734.31207	734.40002	734.20001	20.96998	21.3	20.9	21.10672	21.2	21.1	19.74262	19.83893	19.67268	0.15693	0.2	0	24.00145	0	24	220424912	4050125	83
08/22/2017 21:04:00	0	0	0	734.3789	734.5	734.29998	20.78277	20.9	20.7	20.73794	21.1	20.5	19.76673	19.83893	19.67268	0.08251	0.2	0	24.00145	0	24	220424912	4050125	83
08/22/2017 21:09:00	0	0	0	734.48687	734.5	734.40002	20.52923	20.7	20.4	20.35156	20.6	20.2	19.80489	19.89434	19.72809	0.1844	0.4	0	24.00145	0	24	220424912	4050125	83
08/22/2017 21:14:00	0	0	0	734.46765	734.5	734.40002	20.27632	20.4	20.1	20.23447	20.5	19.9	19.86985	19.97746	19.78351	0.14279	0.3	0	24.00145	0	24	220424912	4050125	83
08/22/2017 21:18:59	0	0	0	734.41424	734.5	734.40002	20.0868	20.3	20	19.89395	20	19.8	19.88722	19.97746	19.81121	0.19285	0.4	0.1	24.00145	0	24	220424912	4050125	83
08/22/2017 21:23:59	0	0	0	734.47174	734.5	734.40002	19.83262	20	19.7	20.10443	20.4	19.9	19.87283	19.97746	19.81121	0.27719	0.69999	0	24.00145	0	24	220424912	4050125	83
08/22/2017 21:28:59	0	0	0	734.40405	734.5	734.29998	19.65653	19.7	19.5	19.94199	20.2	19.8	19.98103	20.08829	19.86663	0.28545	0.5	0.19999	24.00145	0	24	220424912	4050125	83
08/22/2017 21:33:59	0	0	0	734.31616	734.40002	734.29998	19.43973	19.6	19.2	19.56894	19.8	19.4	20.08626	20.14371	19.97746	0.1292	0.39999	0	24.00145	0	24	220424912	4050125	83
08/22/2017 21:38:59	0	0	0	734.36163	734.40002	734.29998	19.19556	19.4	19	19.27266	19.5	19.2	20.11461	20.14371	20.08829	0.11748	0.3	0	24.00145	0	24	220424912	4050125	83
08/22/2017 21:44:00	0	0	0	734.41723	734.5	734.40002	18.83635	18.9	18.8	18.8226	18.9	18.8	20.17515	20.28225	20.11601	0.02665	0.1	0	24.00145	0	24	220424912	4050125	83
08/22/2017 21:49:00	0	0	0	734.43737	734.5	734.40002	18.60564	18.8	18.5	18.80027	18.9	18.7	20.34973	20.58704	20.14371	0.19463	0.4	0	24.00145	0	24	220424912	4050125	83
08/22/2017 21:54:00	0	0	0	734.34545	734.40002	734.29998	18.42287	18.5	18.4	18.68278	18.8	18.6	20.59979	20.72558	20.53162	0.2599	0.39999	0.19999	24.00145	0	24	220424912	4050125	83
08/22/2017 21:59:00	0	0	0	734.25451	734.29998	734.20001	18.26048	18.4	18	18.5571	18.6	18.3	20.64659	20.72558	20.53162	0.29662	0.6	0.09999	24.00145	0	24	220424912	4050125	83
08/22/2017 22:04:00	0	0	0	734.25451	734.29998	734.20001	18.26048	18.4	18	18.5571	18.6	18.3	20.64659	20.72558	20.53162	0.29662	0.6	0.09999	24.00145	0	24	220424912	4050125	83
08/22/2017 22:08:59	0	0	0	734.28485	734.29998	734.20001	18.0003	18.2	17.9	18.15517	18.4	18	20.67495	20.72558	20.58704	0.15487	0.4	0	24.00145	0	24	220424912	4050125	83
08/22/2017 22:13:59	0	0	0	734.30304	734.40002	734.29998	17.8168	17.9	17.7	17.74466	18.1	17.6	20.72453	20.75329	20.69787	0.09498	0.3	0	24.00145	0	24	220424912	4050125	83
08/22/2017 22:19:00	0	0	0	734.19897	734.29998	734.10003	17.41145	17.7	17.3	17.51279	17.6	17.2	20.76665	20.86412	20.69787	0.13363	0.2	0	24.00145	0	24	220424912	4050125	83
08/22/2017 22:24:00	0	0	0	734.19897	734.29998	734.10003	17.41145	17.7	17.3	17.51279	17.6	17.2	20.76665	20.86412	20.69787	0.13363	1	0.19999	24.00145	0	24	220424912	4050125	83
08/22/2017 22:28:59	0	0	0	734.1546	734.20001	734.10003	17.22961	17.3	17.1	17.79809	18.1	17.5	20.85759	20.97495	20.781	0.56848	1	0.19999	24.00145	0	24	220424912	4050125	83
08/22/2017 22:34:00	0	0	0	734.11114	734.20001	734.10003	17.07336	17.2	17	18.04817	18.2	17.8	20.91639	21.00266	20.781	0.97481	1.3	0.8	24.00145	0	24	220424912	4050125	83
08/22/2017 22:38:59	0	0	0	734.096	734.10003	734	16.90973	17.1	16.8	17.97971	18.1	17.8	20.97431	21.03037	20.89183	1.06997	1.3	0.8	24.00145	0	24	220424912	4050125	83
08/22/2017 22:43:59	0	0	0	734.10205	734.20001	734.10003	16.74306	16.8	16.7	17.84962	18.1	17.8	21.00211	21.03037	20.97495	1.10655	1.4	0.99999	24.00145	0	24	220424912	4050125	83
08/22/2017 22:48:59	0	0	0	734.10205	734.20001	734.10003	16.58277	16.7	16.5	18.05049	18.1	17.8	20.99035	21.03037	20.86412	1.46771	1.6	1.09999	24.00145	0	24	220424912	4050125	83
08/22/2017 22:53:59	0	0	0	734.07483	734.20001	734	16.48952	16.6	16.4	17.95952	18.1	17.8	21.01359	21.05808	20.94725	1.46999	1.6	1.3	24.00145	0	24	220424912	4050125	83
08/22/2017 22:59:00	0	0	0	734.13433	734.20001	734.10003	16.20029	16.4	16.1	17.58615	17.7	17.5	21.10604	21.16891	21.03037	1.38585	1.5	1.19999	24.00145	0	24	220424912	4050125	83
08/22/2017 23:04:00	0	0	0	734.13433	734.20001	734.10003	16.20029	16.4	16.1	17.58615	17.7	17.5	21.10604	21.16891	21.03037	1.38585	1.5	1.3	24.00145	0	24	220424912	4050125	83
08/22/2017 23:08:59	0	0	0	734.04345	734.10003	734	16.08652	16.2	16	17.51009	17.6	17.5	21.15261	21.22433	21.08578	1.42356	1.5	1.2	24.00145	0	24	220424912	4050125	83
08/22/2017 23:13:59	0	0	0	734	734	734	16.01952	16.1	16	17.36291	17.5	17.2	21.26996	21.36286	21.19662	1.34338	1.5	1.2	24.00145	0	24	220424912	4050125	83
08/22/2017 23:18:59	0	0	0	734.00805	734.10003	734	15.92289	16	15.8	17.19663	17.2	17.1	21.30251	21.39058	21.19662	1.27374	1.59999	1.19999	24.00145	0	24	220424912	4050125	83
08/22/2017 23:23:59	0	0	0	734.05761	734.10003	734	15.82626	15.9	15.8	17.17673	17.4	17.1	21.32434	21.41828	21.25203	1.35047	1.59999	1.19999	24.00145	0	24	220424912	4050125	83
08/22/2017 23:28:59	0	0	0	734.02929	734.10003	734	15.76019	15.8	15.6	17.11345	17.2	17	21.36983	21.44599	21.27974	1.35326	1.6	1.19999	24.00145	0	24	220424912	4050125	83
08/22/2017 23:33:59	0	0	0	734.02325	734.10003	734	15.58316	15.6	15.5	17.08712	17.1	16.9	21.38816	21.4737	21.30745	1.50396	1.6	1.3	24.00145	0	24	220424912	4050125	83
08/22/2017 23:38:59	0	0	0	734.02325	734.10003	734	15.50298	15.6	15.4	17.06268	17.2	16.9	21.4253	21.4737	21.36286	1.55969	1.8	1.3	24.00145	0	24	220424912	4050125	83
08/22/2017 23:43:59	0	0	0	733.99597	734	733.90002	15.39595	15.5	15.3	17.09019	17.2	16.9	21.46137	21.4737	21.41828	1.69424	1.8	1.49999	24.00145	0	24	220424912	4050125	83
08/22/2017 23:48:59	0	0	0	734.0111	734.10003	734	15.33335	15.4	15.2	17.07703	17.1	16.9	21.46176	21.4737	21.41828	1.74368	1.9	1.49999	24.00145	0	24	220424912	4050125	83
08/22/2017 23:53:59	0	0	0	734.08886	734.10003	734	15.27644	15.3	15.2	17.1	17.2	17	21.48005	21.55682	21.44599	1.82356	2	1.69999	24.00145	0	24	220424912	4050125	83

08/22/2017 23:59:00	0	0	0	733.98785	734	733.90002	15.02693	15.2	15	17.23438	17.5	17.1	21.52969	21.61224	21.39058	2.20745	2.5	2	24.00145	0	24	220424912	4050125	83
08/23/2017 00:04:00	0	0	0	733.95556	734	733.90002	14.96328	15	14.8	17.33466	17.5	17.2	21.58547	21.61224	21.50141	2.37137	2.69999	2.2	24.00145	0	24	220424912	4050125	83
08/23/2017 00:09:00	0	0	0	733.95556	734	733.90002	14.96328	15	14.8	17.33466	17.5	17.2	21.58547	21.61224	21.50141	2.37137	2.59999	2.1	24.00145	0	24	220424912	4050125	83
08/23/2017 00:13:59	0	0	0	733.97174	734	733.90002	14.92019	15	14.8	17.27544	17.5	17.1	21.60822	21.63994	21.55682	2.35524	2.59999	2.1	24.00145	0	24	220424912	4050125	83
08/23/2017 00:18:59	0	0	0	733.92627	734	733.90002	14.8599	15	14.8	17.37307	17.5	17.2	21.61821	21.63994	21.58453	2.51317	2.69999	2.2	24.00145	0	24	220424912	4050125	83
08/23/2017 00:23:59	0	0	0	733.90808	734	733.90002	14.81615	14.9	14.8	17.2418	17.5	17.2	21.64459	21.69536	21.61224	2.42565	2.69999	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 00:28:59	0	0	0	733.90405	734	733.90002	14.79326	14.8	14.7	17.21685	17.4	17.1	21.65124	21.72307	21.61224	2.42358	2.59999	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 00:33:59	0	0	0	733.90002	733.90002	733.90002	14.7697	14.8	14.7	17.15993	17.2	17.1	21.66375	21.72307	21.61224	2.39022	2.5	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 00:39:00	0	0	0	733.88183	733.90002	733.79998	14.69663	14.7	14.6	16.7737	16.8	16.6	21.71971	21.77848	21.63994	2.07707	2.19999	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 00:43:59	0	0	0	733.88183	733.90002	733.79998	14.69663	14.7	14.6	16.7737	16.8	16.6	21.71971	21.77848	21.63994	2.07707	2.09999	1.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 00:48:59	0	0	0	733.87072	733.90002	733.79998	14.6599	14.7	14.6	16.50331	16.8	16.3	21.73696	21.77848	21.63994	1.8434	2.09999	1.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 00:53:59	0	0	0	733.86767	733.90002	733.79998	14.53941	14.7	14.4	16.25991	16.3	16.2	21.7504	21.77848	21.69536	1.7205	1.89999	1.6	24.00145	0	24	220424912	4050125	83
08/23/2017 00:58:59	0	0	0	733.84649	733.90002	733.79998	14.41885	14.6	14.4	16.25356	16.3	16.2	21.77635	21.8339	21.69536	1.83471	1.89999	1.6	24.00145	0	24	220424912	4050125	83
08/23/2017 01:03:59	0	0	0	733.78381	733.79998	733.70001	14.39358	14.6	14.3	16.15314	16.3	15.9	21.80563	21.8339	21.77848	1.75955	1.99999	1.49999	24.00145	0	24	220424912	4050125	83
08/23/2017 01:08:59	0	0	0	733.73431	733.79998	733.70001	14.33973	14.4	14.3	15.87306	16	15.8	21.81366	21.8339	21.77848	1.53333	1.69999	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 01:13:59	0	0	0	733.70001	733.70001	733.70001	14.29053	14.4	14.1	15.78617	15.9	15.7	21.82383	21.8339	21.80619	1.49563	1.6	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 01:18:59	0	0	0	733.70404	733.79998	733.70001	14.22291	14.3	14.1	16.02088	16.3	15.7	21.82868	21.86161	21.80619	1.79796	2.1	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 01:23:59	0	0	0	733.70098	733.79998	733.60003	14.11684	14.2	14.1	16.14272	16.3	15.9	21.83875	21.88932	21.80619	2.02588	2.19999	1.8	24.00145	0	24	220424912	4050125	83
08/23/2017 01:28:59	0	0	0	733.70001	733.70001	733.70001	14.07644	14.1	14	15.89966	16.2	15.8	21.85648	21.91702	21.80619	1.82322	2.1	1.7	24.00145	0	24	220424912	4050125	83
08/23/2017 01:33:59	0	0	0	733.68988	733.70001	733.60003	14.01683	14.1	14	15.78653	15.9	15.7	21.87178	21.94474	21.8339	1.76969	1.9	1.6	24.00145	0	24	220424912	4050125	83
08/23/2017 01:38:59	0	0	0	733.62518	733.70001	733.60003	13.94695	14	13.8	15.77011	15.8	15.7	21.90085	21.97244	21.8339	1.82316	2	1.7	24.00145	0	24	220424912	4050125	83
08/23/2017 01:43:59	0	0	0	733.66363	733.70001	733.60003	13.80876	14	13.7	15.71347	15.8	15.6	21.92943	21.97244	21.86161	1.90471	2.2	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 01:48:59	0	0	0	733.52649	733.60003	733.5	13.71006	13.8	13.6	15.76343	15.8	15.7	22.0233	22.11098	21.94474	2.05337	2.2	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 01:53:59	0	0	0	733.5	733.5	733.5	13.7	13.8	13.6	15.78994	15.9	15.7	22.0602	22.13869	22.00015	2.08993	2.2	2	24.00145	0	24	220424912	4050125	83
08/23/2017 01:58:59	0	0	0	733.54736	733.60003	733.5	13.64297	13.7	13.5	15.6832	15.8	15.6	22.07295	22.13869	22.00015	2.04023	2.1	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 02:03:59	0	0	0	733.53259	733.60003	733.5	13.55637	13.7	13.5	15.62348	15.7	15.6	22.12316	22.1941	22.05556	2.06711	2.2	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 02:08:59	0	0	0	733.5	733.5	733.5	13.49664	13.5	13.4	15.53959	15.6	15.4	22.15468	22.24952	22.08327	2.04294	2.1	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 02:13:59	0	0	0	733.43054	733.5	733.40002	13.48019	13.5	13.4	15.50669	15.6	15.4	22.16984	22.24952	22.08327	2.0265	2.19999	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 02:18:59	0	0	0	733.40301	733.5	733.40002	13.41678	13.5	13.4	15.46716	15.6	15.4	22.20666	22.27723	22.13869	2.05038	2.19999	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 02:23:59	0	0	0	733.40002	733.40002	733.40002	13.35369	13.5	13.1	15.38019	15.4	15.3	22.24915	22.27723	22.1664	2.0265	2.3	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 02:28:59	0	0	0	733.30401	733.40002	733.29998	13.1567	13.4	13.1	15.37013	15.4	15.2	22.31601	22.38807	22.27723	2.21342	2.3	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 02:33:59	0	0	0	733.30401	733.40002	733.29998	13.1567	13.4	13.1	15.37013	15.4	15.2	22.31601	22.38807	22.27723	2.21342	2.3	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 02:38:59	0	0	0	733.29998	733.29998	733.29998	13.10335	13.2	13	15.3265	15.4	15.2	22.3424	22.44348	22.27723	2.22314	2.39999	2	24.00145	0	24	220424912	4050125	83
08/23/2017 02:43:59	0	0	0	733.29998	733.29998	733.29998	13.07013	13.1	13	15.47046	15.6	15.3	22.35748	22.41577	22.27723	2.40033	2.6	2.2	24.00145	0	24	220424912	4050125	83
08/23/2017 02:48:59	0	0	0	733.29998	733.29998	733.29998	13.04361	13.1	13	15.3235	15.6	15.2	22.38053	22.44348	22.30494	2.27989	2.6	2.1	24.00145	0	24	220424912	4050125	83
08/23/2017 02:53:59	0	0	0	733.29998	733.29998	733.29998	13	13	13	15.19328	15.3	15.1	22.41828	22.44348	22.33265	2.19328	2.3	2.1	24.00145	0	24	220424912	4050125	83
08/23/2017 02:58:59	0	0	0	733.29998	733.29998	733.29998	12.97014	13	12.9	15.16007	15.2	15	22.43994	22.44348	22.38807	2.18993	2.3	2	24.00145	0	24	220424912	4050125	83
08/23/2017 03:03:59	0	0	0	733.29998	733.29998	733.29998	12.92315	13	12.9	15.05302	15.2	15	22.44934	22.49889	22.41577	2.12987	2.2	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 03:08:59	0	0	0	733.29998	733.29998	733.29998	12.86342	12.9	12.8	15.00671	15.1	14.8	22.44645	22.49889	22.41577	2.14329	2.2	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 03:13:59	0	0	0	733.29998	733.29998	733.29998	12.80671	12.9	12.8	15.01343	15.2	15	22.45408	22.49889	22.41577	2.20672	2.39999	2.1	24.00145	0	24	220424912	4050125	83
08/23/2017 03:18:59	0	0	0	733.29998	733.29998	733.29998	12.80335	12.9	12.8	15.00401	15.2	14.8	22.45287	22.49889	22.41577	2.20065	2.39999	2	24.00145	0	24	220424912	4050125	83
08/23/2017 03:23:59	0	0	0	733.29895	733.29998	733.20001	12.75436	12.8	12.6	14.57282	14.8	14.4	22.4763	22.55431	22.44348	1.81845	2.2	1.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 03:28:59	0	0	0	733.24664	733.29998	733.20001	12.65371	12.8	12.6	14.15605	14.4	14.1	22.53813	22.66514	22.44348	1.50234	1.8	1.3	24.00145	0	24	220424912	4050125	83
08/23/2017 03:33:59	0	0	0	733.20404	733.29998	733.20001	12.56343	12.6	12.4	14.1	14.1	14.1	22.57477	22.66514	22.44348	1.53656	1.7	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 03:38:59	0	0	0	733.20001	733.20001	733.20001	12.46609	12.6	12.4	14.1	14.2	14	22.58974	22.69285	22.49889	1.6339	1.8	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 03:43:59	0	0	0	733.20001	733.20001	733.20001	12.38657	12.4	12.3	14.51979	14.6	14.4	22.72027	22.74827	22.60973	2.13321	2.2	2	24.00145	0	24	220424912	4050125	83
08/23/2017 03:48:59	0	0	0	733.20001	733.20001	733.20001	12.31345	12.4	12.2	14.28626	14.5	14.1	22.7333	22.77597	22.69285	1.9728	2.19999	1.7	24.00145	0	24	220424912	4050125	83
08/23/2017 03:53:59	0	0	0	733.20001	733.20001	733.20001	12.25972	12.4	12.2	14.1198	14.2	14	22.74519	22.77597	22.72055	1.86007	2	1.7	24.00145	0	24	220424912	4050125	83
08/23/2017 03:58:59	0	0	0	733.20001	733.20001	733.20001	12.18659	12.3	12	14.06008	14.1	13.9	22.75134	22.80368	22.72055	1.87349	2.1	1.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 04:03:59	0	0	0	733.19799	733.20001	733.10003	12.06643	12.2	12	13.92348	14.1	13.9	22.75755	22.83139	22.72055	1.85705	2.1	1.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 04:08:59	0	0	0	733.14264	733.20001	733.10003	11.99364	12	11.9	13.9	13.9	13.9	22.77217	22.88681	22.74827	1.90635	2	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 04:13:59	0	0	0	733.16143	733.20001	733.10003	11.95001	12	11.9	13.91678	14	13.9	22.78331	22.91451	22.74827	1.96676	2.1	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 04:18:59	0	0	0	733.19702	733.20001	733.10003	11.88993	12	11.8	13.87986	13.9	13.8	22.80974	22.94222	22.74827	1.98992	2.09999	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 04:23:59	0	0	0	733.19702	733.20001	733.10003	11.88993	12	11.8	13.87986	13.9	13.8	22.80974	22.94222	22.74827	1.98992	2.09999	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 04:28:59	0	0	0	733.17785	733.20001	733.10003	11.83659	11.9	11.8	13.67316	13.8	13.6	22.83083	22.99763	22.74827	1.83657	2	1.7	24.00145	0	24	220424912	4050125	83
08/23/2017 04:33:59	0	0	0	733.14331	733.20001	733.10003	11.79999	11.9	11.7	13.61006	13.8	13.5	22.884	23.02535	22.77597	1.81007	2	1.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 04:38:59	0	0	0	733.1195	733.20001	733.10003	11.76679	11.8	11.7	13.56946	13.8	13.5	22.89416	23.05305	22.74827	1.80267	2	1.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 04:43:59	0	0	0	733.10003	733.10003	733.10003	11.70974	11.8	11.6	13.51007	13.6	13.4	22.97001	23.05305	22.80368	1.80032	1.9	1.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 04:48:59	0	0	0	733.10003	733.10003	733.10003	11.65638	11.7	11.4	13.52651	13.6	13.4	22.99464	23.05305	22.83139	1.87013	2.2	1.8	24.00145	0	24	220424912	4050125	83
08/23/2017 04:53:59	0	0	0	733.02148	733.10003	733	11.45034	11.7	11.4	13.52312	13.6	13.5	23.07091	23.10847	23.02535	2.07278	2.2	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 04:58:59	0	0	0	733.08892	733.10003	733	11.39329	11.4	11.3	13.52014	13.6	13.5	23.07581	23.19159	22.99763	2.12685	2.2	2.1	24.00145	0	24	220424912	4050125	83
08/23/2017 05:03:59	0	0	0	733.10003	733.10003	733.10003	11.37986	11.4	11.3	13.44702	13.5	13.3	23.13151	23.2193	22.99763	2.06716	2.19999	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 05:08:59	0	0	0	733.10003	733.10003	733.10003	11.3235	11.4	11.3	13.39965	13.5	13.3	23.16724	23.24701	23.08076	2.07615	2.19999	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 05:13:59	0	0	0	733.10003	733.10003	733.10003	11.29664	11.3	11.2	13.40035	13.5	13.3	23.2076	23.30243	23.13618	2.1037	2.19999	2	24.00145	0	24	220424912	4050125	83
08/23/2017 05:18:59	0	0	0	733.10003	733.10003	733.10003	11.29664	11.3	11.2	13.40035	13.5	13.3	23.2076	23.30243	23.13618	2.1037	2.4	2	24.00145	0	24	220424912	4050125	83
08/23/2017 05:23:59	0	0	0	733.09295	733.10003	733	11.2101	11.3	11.1	13.72344	13.9	13.5	23.28353	23.35784	23.19159	2.51334	2.8	2.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 05:28:59	0	0	0	733.04669	733.10003	733	11.16041	11.3	11.1	13.92013	14	13.9	23.33654	23.38555	23.24701	2.75972	2.9	2.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 05:33:59	0	0	0	733.05041	733.10003	733	11.13656	11.3	11.1	14.05035	14.1	13.9	23.33654	23.38555	23.24701	2.75972	3	2.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 05:38:59	0	0	0	733	733	733	11.12281	11.3	11.1	13.9235	14	13.9	23.36761	23.38555	23.33014	2.80068	2.9	2.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 05:43:59	0	0	0	733.00305	733.10003	733	11.12685	11.3	11.1	13.9	13.9	13.9	23.37746	23.38555	23.35784	2.77314	2.8	2.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 05:48:59	0	0	0	733.00232	733.10003	733	11.13997	11.3	11.1	13.90334	14	13.8	23.37969	23.41326	23.33014	2.77314	2.9	2.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 05:53:59	0	0	0	733.00232	733.10003	733	11.13997	11.3	11.1	13.90334	14	13.8	23.37969	23.41326	23.33014	2.76337	2.9	2.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 05:58:59	0	0	0	733	733	733	11.14363	11.3	11.1	13.91008	14	13.9	23.38117	23.41326	23.33014	2.76645	2.9	2.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 06:03:59	0	0	0	733.09161	733.10003	733	11.16303	11.3	11.1	13.82614	13.9	13.6	23.37885	23.38555	23.33014	2.6631	2.8	2.5	24.00145	0	24	220424912	4050125	83
08/23/2017 06:08:59	0	0	0	733.11212	733.20001	733.10003	11.17685	11.3	11.1	13.8765	13.9	13.8	23.37588	23.38555	23.30243	2.69964	2.8	2.5	24.00145	0	24	220424912	4050125	83
08/23/2017 06:13:59	0	0	0	733.19299	733.20001	733.10003	11.16377	11.3	11.1	13.86679	13.9	13.8	23.38332	23.41326	23.33014	2.70302	2.8	2.5	24.00145	0	24	220424912	4050125	83
08/23/2017 06:18:59	0	0	0	733.20001	733.20001	733.20001	11.2	11.3	11.1	13.8765	13.9	13.8	23.38398	23.38555	23.35784	2.67649	2.8	2.5	24.00145	0	24	220424912	4050125	83

08/23/2017 06:23:59	0	0	0	733.20001	733.20001	733.20001	11.2138	11.3	11.1	13.8302	13.9	13.6	23.38258	23.38555	23.35784	2.6164	2.8	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 06:28:59	0	0	0	733.20001	733.20001	733.20001	11.21377	11.3	11.1	13.84326	13.9	13.8	23.38221	23.38555	23.33014	2.62949	2.8	2.5	24.00145	0	24	220424912	4050125	83
08/23/2017 06:33:59	0	0	0	733.20001	733.20001	733.20001	11.24365	11.3	11.1	13.86009	13.9	13.8	23.37746	23.38555	23.33014	2.61644	2.8	2.5	24.00145	0	24	220424912	4050125	83
08/23/2017 06:38:59	0	0	0	733.20001	733.20001	733.20001	11.24365	11.3	11.1	13.86009	13.9	13.8	23.37746	23.38555	23.33014	2.61644	2.8	2.5	24.00145	0	24	220424912	4050125	83
08/23/2017 06:43:59	0	0	0	733.20001	733.20001	733.20001	11.24998	11.3	11.1	13.59031	13.8	13.5	23.38304	23.41326	23.35784	2.34033	2.6	2.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 06:48:59	0	0	0	733.20001	733.20001	733.20001	11.24065	11.3	11.1	13.52316	13.6	13.4	23.37802	23.41326	23.35784	2.2825	2.5	2.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 06:53:59	0	0	0	733.20001	733.20001	733.20001	11.22013	11.3	11.1	13.39331	13.5	13.3	23.37997	23.41326	23.35784	2.17318	2.3	2	24.00145	0	24	220424912	4050125	83
08/23/2017 06:58:59	0	0	0	733.20001	733.20001	733.20001	11.18393	11.3	11.1	13.29366	13.4	13.2	23.37746	23.38555	23.35784	2.10973	2.2	2	24.00145	0	24	220424912	4050125	83
08/23/2017 07:03:59	0	0	0	733.20398	733.29998	733.20001	11.16638	11.3	11.1	13.29328	13.3	13.2	23.38109	23.41326	23.35784	2.1269	2.3	2	24.00145	0	24	220424912	4050125	83
08/23/2017 07:08:59	0	0	0	733.28082	733.29998	733.20001	11.16008	11.3	11.1	13.31343	13.4	13.3	23.38035	23.38555	23.35784	2.15334	2.3	2	24.00145	0	24	220424912	4050125	83
08/23/2017 07:13:59	0	0	0	733.29998	733.29998	733.29998	11.16306	11.3	11.1	13.33956	13.5	13.3	23.37941	23.41326	23.35784	2.1765	2.4	2	24.00145	0	24	220424912	4050125	83
08/23/2017 07:18:59	0	0	0	733.302	733.40002	733.29998	11.15674	11.3	11.1	13.32349	13.5	13.3	23.36789	23.41326	23.33014	2.16674	2.4	2	24.00145	0	24	220424912	4050125	83
08/23/2017 07:23:59	0	0	0	733.33014	733.40002	733.29998	11.16009	11.3	11.1	13.39625	13.5	13.3	23.37393	23.38555	23.35784	2.23615	2.4	2.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 07:28:59	0	0	0	733.3916	733.40002	733.29998	11.20005	11.3	11.1	13.40295	13.5	13.3	23.36376	23.41326	23.24701	2.2029	2.4	2	24.00145	0	24	220424912	4050125	83
08/23/2017 07:33:59	0	0	0	733.40002	733.40002	733.40002	11.29329	11.4	11.1	13.67342	13.8	13.5	23.35002	23.38555	23.30243	2.38013	2.5	2.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 07:38:59	0	0	0	733.39801	733.40002	733.29998	11.31303	11.4	11.3	13.77313	13.9	13.6	23.35561	23.38555	23.27472	2.4601	2.59999	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 07:43:59	0	0	0	733.39801	733.40002	733.29998	11.31303	11.4	11.3	13.77313	13.9	13.6	23.35561	23.38555	23.27472	2.4601	2.59999	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 07:48:59	0	0	0	733.40002	733.40002	733.40002	11.34662	11.4	11.3	13.77312	13.9	13.6	23.34492	23.38555	23.27472	2.4265	2.59999	2.2	24.00145	0	24	220424912	4050125	83
08/23/2017 07:53:59	0	0	0	733.44024	733.5	733.40002	11.40592	11.6	11.4	13.73689	13.9	13.6	23.32312	23.38555	23.24701	2.33097	2.5	2.2	24.00145	0	24	220424912	4050125	83
08/23/2017 07:58:59	0	0	0	733.50396	733.60003	733.40002	11.45711	11.7	11.4	13.83347	14	13.6	23.2991	23.38555	23.2193	2.37635	2.6	2.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 08:03:59	0	0	0	733.53051	733.60003	733.5	11.60264	11.7	11.4	14.0671	14.2	13.9	23.30185	23.35784	23.2193	2.46445	2.7	2.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 08:08:59	0	0	0	733.5849	733.70001	733.5	11.68991	11.7	11.6	14.1235	14.2	14.1	23.31215	23.35784	23.2193	2.43358	2.5	2.4	24.00145	0	24	220424912	4050125	83
08/23/2017 08:13:59	0	0	0	733.57788	733.70001	733.5	11.80671	11.9	11.8	14.11342	14.2	14.1	23.32565	23.41326	23.2193	2.30671	2.39999	2.2	24.00145	0	24	220424912	4050125	83
08/23/2017 08:18:59	0	0	0	733.57788	733.70001	733.5	11.80671	11.9	11.8	14.11342	14.2	14.1	23.32565	23.41326	23.2193	2.30671	2.8	2.2	24.00145	0	24	220424912	4050125	83
08/23/2017 08:23:59	0	0	0	733.63116	733.70001	733.60003	11.84661	11.9	11.8	14.28565	14.7	14.1	23.31115	23.38555	23.2193	2.43904	2.9	2.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 08:28:59	0	0	0	733.74041	733.79998	733.60003	11.92982	12	11.8	14.57023	14.8	14.2	23.29022	23.35784	23.2193	2.64041	2.9	2.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 08:33:59	0	0	0	733.70672	733.79998	733.60003	11.99328	12	11.9	14.76783	15	14.5	23.29788	23.35784	23.24701	2.77454	3	2.5	24.00145	0	24	220424912	4050125	83
08/23/2017 08:38:59	0	0	0	733.77081	733.79998	733.70001	12.12683	12.2	12	14.7092	15	14.6	23.29185	23.35784	23.2193	2.58237	2.8	2.4	24.00145	0	24	220424912	4050125	83
08/23/2017 08:43:59	0	0	0	733.74163	733.79998	733.60003	12.24996	12.4	12.2	15.11253	15.4	14.8	23.30129	23.41326	23.2193	2.86257	3.09999	2.6	24.00145	0	24	220424912	4050125	83
08/23/2017 08:48:59	0	0	0	733.92773	734.20001	733.79998	12.49623	12.6	12.4	15.48702	15.8	15	23.30286	23.41326	23.2193	2.99078	3.3	2.5	24.00145	0	24	220424912	4050125	83
08/23/2017 08:53:59	0	0	0	733.8786	734.20001	733.79998	12.8231	12.9	12.6	15.72948	15.9	15.4	23.27669	23.38555	23.2193	2.90638	3.3	2.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 08:58:59	0	0	0	733.8786	734.20001	733.79998	12.8231	12.9	12.6	15.72948	15.9	15.4	23.27669	23.38555	23.2193	2.90638	3.3	3	24.00145	0	24	220424912	4050125	83
08/23/2017 09:03:59	0	0	0	733.99554	734.29998	733.79998	13.31665	13.5	13.1	16.379	16.8	16.2	23.23818	23.35784	23.10847	3.06235	3.4	2.8	24.00145	0	24	220424912	4050125	83
08/23/2017 09:08:59	0	0	0	733.99554	734.29998	733.79998	13.31665	13.5	13.1	16.379	16.8	16.2	23.23818	23.35784	23.10847	3.06235	3.19999	2.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 09:13:59	0	0	0	733.87347	734.10003	733.79998	13.54659	13.7	13.4	16.52432	16.8	16.3	23.29472	23.38555	23.13618	2.97773	3.19999	2.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 09:18:59	0	0	0	733.90496	734	733.79998	13.7	13.8	13.5	16.44574	16.8	16.3	23.2326	23.33014	23.13618	2.74574	3.09999	2.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 09:23:59	0	0	0	733.98303	734.10003	733.79998	14.12267	14.3	14	16.84172	17.1	16.6	23.24254	23.24701	23.2193	2.71904	3.1	2.5	24.00145	0	24	220424912	4050125	83
08/23/2017 09:28:59	0	0	0	733.98303	734.10003	733.79998	14.12267	14.3	14	16.84172	17.1	16.6	23.24254	23.24701	23.2193	2.71904	3.19999	2.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 09:33:59	0	0	0	733.98797	734.10003	733.90002	14.5398	14.7	14.4	17.23502	17.5	16.9	23.07586	23.24701	22.8591	2.89067	3.09999	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 09:38:59	0	0	0	734.00695	734.10003	734	14.78648	14.9	14.7	17.41525	17.7	17.2	23.05311	23.10847	22.8591	2.62877	3	2.4	24.00145	0	24	220424912	4050125	83
08/23/2017 09:43:59	0	0	0	734.05633	734.10003	734	14.98019	15.2	14.9	17.67257	18.1	17.5	23.08251	23.10847	22.96993	2.69238	3.1	2.5	24.00145	0	24	220424912	4050125	83
08/23/2017 09:48:59	0	0	0	734.11889	734.5	734	15.24617	15.4	15	18.09664	18.4	17.8	22.99011	23.10847	22.66514	2.85046	3.1	2.49999	24.00145	0	24	220424912	4050125	83
08/23/2017 09:53:59	0	0	0	734.15838	734.40002	734.10003	15.49689	15.8	15.3	18.23561	18.6	18.1	22.84559	23.08076	22.69285	2.73872	3	2.5	24.00145	0	24	220424912	4050125	83
08/23/2017 09:58:59	0	0	0	734.15838	734.40002	734.10003	15.49689	15.8	15.3	18.23561	18.6	18.1	22.84559	23.08076	22.69285	2.73872	3.19999	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 10:03:59	0	0	0	734.19909	734.40002	734.10003	15.77943	15.9	15.6	18.60335	18.9	18.2	22.75866	22.88681	22.63743	2.82391	3.19999	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 10:08:59	0	0	0	734.23217	734.29998	734.10003	16.00328	16.1	15.9	18.76045	18.9	18.6	22.69028	22.83139	22.63743	2.75716	2.9	2.6	24.00145	0	24	220424912	4050125	83
08/23/2017 10:13:59	0	0	0	734.26178	734.40002	734.20001	16.24985	16.4	16	18.95113	19.3	18.7	22.70254	22.80368	22.47119	2.70128	2.9	2.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 10:18:59	0	0	0	734.27758	734.60003	734.20001	16.79313	17	16.6	19.64902	19.9	19	22.46109	22.49889	22.33265	2.85589	3.19999	2.4	24.00145	0	24	220424912	4050125	83
08/23/2017 10:23:59	0	0	0	734.22412	734.29998	734.20001	17.07682	17.3	17	19.62854	20.1	19.5	22.42246	22.49889	22.33265	2.55172	2.9	2.4	24.00145	0	24	220424912	4050125	83
08/23/2017 10:28:59	0	0	0	734.22412	734.29998	734.20001	17.07682	17.3	17	19.62854	20.1	19.5	22.42246	22.49889	22.33265	2.55172	2.9	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 10:33:59	0	0	0	734.27185	734.40002	734.20001	17.31669	17.4	17.1	19.95709	20.2	19.6	22.35894	22.41577	22.27723	2.6404	2.9	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 10:38:59	0	0	0	734.203	734.29998	734.10003	17.60024	17.8	17.4	20.18129	20.5	19.9	22.3426	22.38807	22.33265	2.58104	2.8	2.4	24.00145	0	24	220424912	4050125	83
08/23/2017 10:43:59	0	0	0	734.20111	734.29998	734.10003	17.86339	18	17.8	20.35942	20.7	20.1	22.31589	22.33265	22.24952	2.49603	2.8	2.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 10:48:59	0	0	0	734.13018	734.29998	734.10003	18.37347	18.5	18.3	20.8334	21.1	20.6	22.19495	22.33265	22.05556	2.45993	2.69999	2.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 10:53:59	0	0	0	734.15466	734.29998	734	18.67663	18.9	18.4	20.76574	21	20.6	22.24144	22.33265	22.1664	2.08911	2.59999	1.8	24.00145	0	24	220424912	4050125	83
08/23/2017 10:58:59	0	0	0	734.15466	734.29998	734	18.67663	18.9	18.4	20.76574	21	20.6	22.24144	22.33265	22.1664	2.08911	2.7	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 11:03:59	0	0	0	734.08026	734.20001	734	18.94324	19.1	18.8	21.17738	21.7	20.8	22.25669	22.36035	22.1941	2.23414	2.7	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 11:08:59	0	0	0	734.07495	734.20001	734	19.16708	19.4	19	21.45018	21.7	21.1	22.26861	22.36035	22.1941	2.28309	2.6	2	24.00145	0	24	220424912	4050125	83
08/23/2017 11:13:59	0	0	0	734.06482	734.20001	734	19.45648	19.7	19.2	21.59244	21.8	21.3	22.28631	22.36035	22.22181	2.13596	2.5	1.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 11:18:59	0	0	0	733.99127	734.10003	733.90002	19.7037	20	19.6	21.70887	21.9	21.6	22.33469	22.47119	22.22181	2.00516	2.19999	1.7	24.00145	0	24	220424912	4050125	83
08/23/2017 11:23:59	0	0	0	733.91937	734	733.90002	19.98009	20.1	19.7	22.48601	23.1	21.9	22.34948	22.44348	22.24952	2.50591	3	1.9	24.00145	0	24	220424912	4050125	83
08/23/2017 11:28:59	0	0	0	733.92553	734	733.90002	20.22633	20.4	20.1	22.7354	22.9	22.5	22.33823	22.44348	22.22181	2.50907	2.8	2.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 11:33:59	0	0	0	733.92309	734	733.90002	20.51628	20.7	20.3	23.13804	23.4	22.9	22.38956	22.47119	22.27723	2.62175	2.9	2.3	24.00145	0	24	220424912	4050125	83
08/23/2017 11:38:59	0	0	0	733.90203	734	733.90002	21.10651	21.3	20.9	22.92256	23.2	22.6	22.42219	22.55431	22.38807	1.81604	2.1	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 11:43:59	0	0	0	733.90203	734	733.90002	21.10651	21.3	20.9	22.92256	23.2	22.6	22.42219	22.55431	22.38807	1.81604	2.1	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 11:48:59	0	0	0	733.90002	733.90002	733.90002	21.39988	21.6	21.3	23.48735	23.8	23.1	22.45399	22.58202	22.38807	2.08747	2.39999	1.6	24.00145	0	24	220424912	4050125	83
08/23/2017 11:53:59	0	0	0	733.90002	733.90002	733.90002	21.98948	22.1	21.9	23.97295	24.2	23.7	22.46827	22.60973	22.38807	1.98346	2.2	1.7	24.00145	0	24	220424912	4050125	83
08/23/2017 11:58:59	0	0	0	733.90002	733.90002	733.90002	22.27292	22.5	22.1	24.03282	24.2	23.7	22.46292	22.58202	22.38807	1.7599	2	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 12:03:59	0	0	0	733.90002	733.90002	733.90002	22.27292	22.5	22.1	24.03282	24.2	23.7	22.46292	22.58202	22.38807	1.7599	2	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 12:08:59	0	0	0	733.90002	733.90002	733.90002	22.53685	22.6	22.4	24.38255	24.7	24.2	22.48904	22.58202	22.38807	1.8457	2.1	1.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 12:13:59	0	0	0	733.90002	733.90002	733.90002	22.84349	23	22.6	24.72232	25.2	24.4	22.51816	22.58202	22.38807	1.87882	2.1	1.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 12:18:59	0	0	0	733.90002	733.90002	733.90002	23.13607	23.3	23	24.77177	25.2	24.4	22.52483	22.58202	22.38807	1.63569	2.1	1.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 12:23:59	0	0	0	733.90002	733.90002	733.90002	23.39943	23.6	23.3	25.31948	25.8	24.8	22.47404	22.58202	22.36035	1.92004	2.19999	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 12:28:59	0	0	0	733.8598	733.90002	733.79998	23.93986	24	23.9	25.38446	25.8	25.2	22.44299	22.49889	22.41577	1.44459	1.8	1.3	24.00145	0	24	220424912	4050125	83
08/23/2017 12:33:59	0	0	0	733.80792	733.90002	733.79998	24.23673	24.4	24	26.15646	26.7	25.8	22.44344	22.47119	22.38807	1.91972	2.4	1.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 12:38:59	0	0	0	733.802	733.90002	733.79998	24.47671	24.6	24.3	26.21916	26.5	26.1	22.43799	22.47119	22.36035	1.74244	2.09999	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 12:43:59	0	0	0	733.802	733.90002	733.79998	24.47671	24.6	24.3	26.21916	26.5	26.1	22.43799	22.47119	22.36035	1.74244	1.99999	1.3	24.00145	0	24	220424912	4050125	83

08/23/2017 12:48:59	0	0	0	733.79998	733.79998	733.79998	24.77963	25	24.6	26.44233	26.8	26.1	22.42713	22.47119	22.33265	1.6627	2	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 12:53:59	0	0	0	733.79998	733.79998	733.79998	25.0898	25.4	24.9	26.81039	27.2	26.7	22.38205	22.44348	22.27723	1.72058	2	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 12:58:59	0	0	0	733.79998	733.79998	733.79998	25.38342	25.6	25.2	27.33517	27.7	26.7	22.37069	22.47119	22.22181	1.95175	2.3	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 13:03:59	0	0	0	733.79895	733.79998	733.70001	25.64658	25.7	25.5	27.45758	27.8	27.2	22.34082	22.44348	22.1941	1.811	2.19999	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 13:08:59	0	0	0	733.79998	733.79998	733.79998	25.98343	26.1	25.7	27.7	28.3	27.3	22.31276	22.38807	22.27723	1.71657	2.3	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 13:13:59	0	0	0	733.79998	733.79998	733.79998	26.23683	26.3	26.1	28.15635	28.5	27.8	22.28456	22.33265	22.1941	1.91952	2.4	1.49999	24.00145	0	24	220424912	4050125	83
08/23/2017 13:18:59	0	0	0	733.79492	733.79998	733.70001	26.80994	26.9	26.7	28.04568	28.3	27.3	22.24356	22.33265	22.11098	1.23573	1.59999	0.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 13:23:59	0	0	0	733.79492	733.79998	733.70001	26.80994	26.9	26.7	28.04568	28.3	27.3	22.24356	22.33265	22.11098	1.23573	1.4	0.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 13:28:59	0	0	0	733.7879	733.79998	733.70001	27.05619	27.3	26.9	28.13407	28.4	27.7	22.16764	22.27723	22.02786	1.07788	1.4	0.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 13:33:59	0	0	0	733.75567	733.79998	733.70001	27.31378	27.4	27.2	28.45558	28.9	28	22.16295	22.33265	22.02786	1.14179	1.59999	0.8	24.00145	0	24	220424912	4050125	83
08/23/2017 13:38:59	0	0	0	733.73852	733.79998	733.70001	27.49361	27.6	27.4	28.57994	29	28.3	22.13891	22.24952	22.02786	1.08633	1.4	0.89999	24.00145	0	24	220424912	4050125	83
08/23/2017 13:43:59	0	0	0	733.71142	733.79998	733.70001	27.74649	27.9	27.6	29.01468	29.5	28.5	22.11025	22.1664	22.02786	1.26818	1.9	0.9	24.00145	0	24	220424912	4050125	83
08/23/2017 13:48:59	0	0	0	733.75244	733.79998	733.70001	27.98309	28.1	27.9	29.24483	29.7	28.8	22.12416	22.1941	22.00015	1.26174	1.7	0.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 13:53:59	0	0	0	733.71411	733.79998	733.60003	28.21958	28.4	28	28.95086	29.4	28.4	22.09057	22.1664	21.97244	0.73127	1.19999	0	24.00145	0	24	220424912	4050125	83
08/23/2017 13:58:59	0	0	0	733.67681	733.70001	733.60003	28.41366	28.6	28.2	28.96044	29.2	28.5	22.07464	22.1664	21.94474	0.54678	1	0.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 14:03:59	0	0	0	733.61346	733.70001	733.60003	28.5965	28.7	28.5	29.36595	29.8	28.9	21.98688	22.05556	21.86161	0.76945	1.09999	0.4	24.00145	0	24	220424912	4050125	83
08/23/2017 14:08:59	0	0	0	733.60003	733.60003	733.60003	28.73223	29	28.6	29.54935	29.8	29.1	21.97141	22.05556	21.86161	0.81712	1.09999	0.4	24.00145	0	24	220424912	4050125	83
08/23/2017 14:13:59	0	0	0	733.60003	733.60003	733.60003	29.00694	29.1	28.8	29.65922	30	29.2	21.93695	22.02786	21.86161	0.65227	1	0.1	24.00145	0	24	220424912	4050125	83
08/23/2017 14:18:59	0	0	0	733.60003	733.60003	733.60003	29.17727	29.3	29.1	29.38019	29.8	28.9	21.88884	22.00015	21.86161	0.3037	0.69999	0	24.00145	0	24	220424912	4050125	83
08/23/2017 14:23:59	0	0	0	733.59399	733.60003	733.5	29.32305	29.4	29.2	29.70503	30.2	29.2	21.89157	22.00015	21.86161	0.40147	0.8	0.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 14:28:59	0	0	0	733.58502	733.60003	733.5	29.52341	29.6	29.3	29.86219	30.2	29.5	21.86888	21.91702	21.8339	0.34457	0.8	0	24.00145	0	24	220424912	4050125	83
08/23/2017 14:33:59	0	0	0	733.5708	733.60003	733.5	29.66004	29.7	29.6	29.72129	30.1	29.4	21.85602	21.86161	21.8339	0.18729	0.4	0	24.00145	0	24	220424912	4050125	83
08/23/2017 14:38:59	0	0	0	733.5064	733.60003	733.5	29.75004	29.9	29.7	29.95632	30.3	29.5	21.8514	21.86161	21.80619	0.25263	0.59999	0	24.00145	0	24	220424912	4050125	83
08/23/2017 14:43:59	0	0	0	733.50494	733.60003	733.5	29.86974	30	29.7	29.90955	30.2	29.7	21.82354	21.86161	21.75078	0.16655	0.4	0	24.00145	0	24	220424912	4050125	83
08/23/2017 14:48:59	0	0	0	733.50134	733.60003	733.5	29.96001	30.3	29.9	29.86428	30.1	29.6	21.79381	21.86161	21.72307	0.20322	0.59999	0	24.00145	0	24	220424912	4050125	83
08/23/2017 14:53:59	0	0	0	733.49902	733.5	733.40002	30.0196	30.2	29.9	29.92146	30.3	29.5	21.80114	21.86161	21.75078	0.21774	0.7	0	24.00145	0	24	220424912	4050125	83
08/23/2017 14:58:59	0	0	0	733.48083	733.5	733.40002	30.26452	30.3	30	30.10711	30.6	29.7	21.75264	21.8339	21.69536	0.21114	0.59999	0	24.00145	0	24	220424912	4050125	83
08/23/2017 15:03:59	0	0	0	733.46991	733.5	733.40002	30.30671	30.4	30.2	30.13748	30.4	29.8	21.72275	21.77848	21.66766	0.18267	0.5	0	24.00145	0	24	220424912	4050125	83
08/23/2017 15:08:59	0	0	0	733.44268	733.5	733.40002	30.30962	30.4	30.3	29.78298	30.1	29.6	21.7038	21.75078	21.66766	0.52663	0.7	0.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 15:13:59	0	0	0	733.44268	733.5	733.40002	30.30962	30.4	30.3	29.78298	30.1	29.6	21.7038	21.75078	21.66766	0.52663	0.7	0.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 15:18:59	0	0	0	733.40808	733.5	733.40002	30.33648	30.4	30.3	29.98569	30.3	29.6	21.72976	21.77848	21.66766	0.35078	1	0.3	24.00145	0	24	220424912	4050125	83
08/23/2017 15:23:59	0	0	0	733.32922	733.40002	733.29998	30.38064	30.5	30.3	29.84467	30.2	29.5	21.73766	21.80619	21.69536	0.53596	0.9	0.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 15:28:59	0	0	0	733.3363	733.40002	733.29998	30.38703	30.5	30.3	29.70333	30.1	29.4	21.73597	21.77848	21.69536	0.6837	1	0.3	24.00145	0	24	220424912	4050125	83
08/23/2017 15:33:59	0	0	0	733.30096	733.40002	733.29998	30.38656	30.4	30.3	30.07393	30.4	29.7	21.77675	21.8339	21.72307	0.31262	0.7	0	24.00145	0	24	220424912	4050125	83
08/23/2017 15:38:59	0	0	0	733.30096	733.40002	733.29998	30.38656	30.4	30.3	30.07393	30.4	29.7	21.77675	21.8339	21.72307	0.31262	0.7	0	24.00145	0	24	220424912	4050125	83
08/23/2017 15:43:59	0	0	0	733.26977	733.29998	733.20001	30.38991	30.5	30.3	29.85894	30.2	29.5	21.749	21.80619	21.69536	0.53096	0.9	0.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 15:48:59	0	0	0	733.26977	733.29998	733.20001	30.38991	30.5	30.3	29.85894	30.2	29.5	21.749	21.80619	21.69536	0.53096	0.9	0.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 15:53:59	0	0	0	733.21734	733.29998	733.10003	30.40336	30.5	30.3	30.05772	30.4	29.5	21.74623	21.80619	21.66766	0.34564	0.9	0	24.00145	0	24	220424912	4050125	83
08/23/2017 15:58:59	0	0	0	733.22223	733.29998	733.10003	30.39073	30.5	30.3	29.5494	30.1	29.1	21.68513	21.75078	21.66766	0.84133	1.3	0.4	24.00145	0	24	220424912	4050125	83
08/23/2017 16:03:59	0	0	0	733.19006	733.29998	733.10003	30.38704	30.5	30.3	29.82351	30.2	29.5	21.70823	21.77848	21.66766	0.56353	0.9	0.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 16:08:59	0	0	0	733.14843	733.29998	733.10003	30.38992	30.5	30.3	29.6814	30.1	29.1	21.71301	21.77848	21.66766	0.70852	1.3	0.3	24.00145	0	24	220424912	4050125	83
08/23/2017 16:13:59	0	0	0	733.08807	733.20001	732.90002	30.35713	30.4	30.3	29.5424	30	29.2	21.74619	21.77848	21.69536	0.81472	1.2	0.4	24.00145	0	24	220424912	4050125	83
08/23/2017 16:18:59	0	0	0	733.08807	733.20001	732.90002	30.35713	30.4	30.3	29.5424	30	29.2	21.74619	21.77848	21.69536	0.81472	0.9	0.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 16:23:59	0	0	0	732.95794	733.10003	732.79998	30.32977	30.4	30.3	29.85895	30.2	29.4	21.80942	21.86161	21.72307	0.47081	0.9	0	24.00145	0	24	220424912	4050125	83
08/23/2017 16:28:59	0	0	0	732.96521	733.10003	732.79998	30.32017	30.4	30.3	29.90853	30.3	29.5	21.79343	21.86161	21.75078	0.41164	0.9	0	24.00145	0	24	220424912	4050125	83
08/23/2017 16:33:59	0	0	0	732.97192	733.10003	732.90002	30.3395	30.4	30.3	30.00383	30.4	29.7	21.79576	21.8339	21.75078	0.34237	0.7	0	24.00145	0	24	220424912	4050125	83
08/23/2017 16:38:59	0	0	0	732.92504	733	732.79998	30.32943	30.4	30.3	29.80899	30.1	29.5	21.79107	21.8339	21.75078	0.52043	0.9	0.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 16:43:59	0	0	0	732.92736	733.10003	732.79998	30.33361	30.4	30.3	29.81965	30.2	29.4	21.75827	21.80619	21.69536	0.51395	0.9	0.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 16:48:59	0	0	0	732.84179	733	732.70001	30.31344	30.4	30.2	29.74657	30.1	29.5	21.68517	21.77848	21.63994	0.56686	0.8	0.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 16:53:59	0	0	0	732.74438	732.90002	732.70001	30.31344	30.4	30.3	29.88913	30.2	29.5	21.71619	21.77848	21.66766	0.42431	0.8	0.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 16:58:59	0	0	0	732.69909	732.90002	732.60003	30.30287	30.4	30.2	29.44958	29.7	29.1	21.72024	21.77848	21.66766	0.85329	1.19999	0.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 17:03:59	0	0	0	732.5921	732.70001	732.5	30.30671	30.4	30.3	29.6072	29.8	29.4	21.75288	21.80619	21.66766	0.69951	1	0.5	24.00145	0	24	220424912	4050125	83
08/23/2017 17:08:59	0	0	0	732.58557	732.79998	732.5	30.28031	30.3	30.2	29.66256	30.2	29.1	21.78199	21.8339	21.72307	0.61775	1.1	0.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 17:13:59	0	0	0	732.54974	732.70001	732.5	30.22943	30.3	30	29.59544	30	29.1	21.81276	21.86161	21.75078	0.63399	1.19999	0.2	24.00145	0	24	220424912	4050125	83
08/23/2017 17:18:59	0	0	0	732.5393	732.70001	732.5	30.07998	30.3	30	29.21624	29.5	28.9	21.76222	21.86161	21.66766	0.86373	1.2	0.5	24.00145	0	24	220424912	4050125	83
08/23/2017 17:23:59	0	0	0	732.5202	732.70001	732.40002	29.98319	30	29.9	28.8254	29.1	28.5	21.77332	21.86161	21.66766	1.15779	1.5	0.9	24.00145	0	24	220424912	4050125	83
08/23/2017 17:28:59	0	0	0	732.44622	732.60003	732.29998	29.9	30	29.8	28.65676	29.1	28.4	21.79237	21.8339	21.72307	1.24323	1.5	0.8	24.00145	0	24	220424912	4050125	83
08/23/2017 17:33:59	0	0	0	732.36956	732.5	732.29998	29.62655	29.7	29.6	28.07057	28.4	27.8	21.77736	21.80619	21.72307	1.55597	1.9	1.2	24.00145	0	24	220424912	4050125	83
08/23/2017 17:38:59	0	0	0	732.39093	732.60003	732.29998	29.45647	29.6	29.3	27.98686	28.2	27.7	21.77974	21.80619	21.72307	1.46961	1.7	1.2	24.00145	0	24	220424912	4050125	83
08/23/2017 17:43:59	0	0	0	732.39093	732.60003	732.29998	29.45647	29.6	29.3	27.98686	28.2	27.7	21.77974	21.80619	21.72307	1.46961	1.7	1.2	24.00145	0	24	220424912	4050125	83
08/23/2017 17:48:59	0	0	0	732.39917	732.60003	732.29998	29.2568	29.4	29.1	27.54316	27.8	27.3	21.78114	21.80619	21.72307	1.71363	2	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 17:53:59	0	0	0	732.3012	732.40002	732.20001	29.06016	29.2	29	27.32657	27.7	27.2	21.7858	21.80619	21.72307	1.73358	1.9	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 17:58:59	0	0	0	732.23931	732.40002	732.20001	28.79715	29	28.6	27.43171	27.8	27.1	21.79795	21.8339	21.75078	1.36543	1.6	1	24.00145	0	24	220424912	4050125	83
08/23/2017 18:03:58	0	0	0	732.2395	732.40002	732.20001	28.61981	28.7	28.4	26.79226	27.1	26.6	21.80154	21.8339	21.72307	1.82755	2	1.6	24.00145	0	24	220424912	4050125	83
08/23/2017 18:08:59	0	0	0	732.15783	732.20001	732.10003	28.17009	28.4	28	26.45035	26.7	26.1	21.8156	21.8339	21.77848	1.71973	2.1	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 18:13:59	0	0	0	732.15783	732.20001	732.10003	28.17009	28.4	28	26.45035	26.7	26.1	21.8156	21.8339	21.77848	1.71973	1.8	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 18:18:59	0	0	0	732.10406	732.20001	732.10003	27.96688	28.1	27.9	26.43092	26.6	26.2	21.83357	21.86161	21.80619	1.53595	1.8	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 18:23:59	0	0	0	732.10711	732.20001	732.10003	27.75025	27.9	27.6	26.14988	26.4	25.9	21.82323	21.86161	21.77848	1.60037	2	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 18:28:59	0	0	0	732.10101	732.20001	732.10003	27.48335	27.6	27.4	25.88973	26.2	25.6	21.82916	21.86161	21.80619	1.59361	1.9	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 18:33:59	0	0	0	732.09906	732.20001	732	27.28671	27.4	27	25.81967	26	25.6	21.83762	21.88932	21.80619	1.46703	1.8	1	24.00145	0	24	220424912	4050125	83
08/23/2017 18:38:59	0	0	0	732.01196	732.10003	732	26.81325	27	26.7	25.48419	25.6	25.3	21.8323	21.94474	21.75078	1.32906	1.5	1.1	24.00145	0	24	220424912	4050125	83
08/23/2017 18:43:58	0	0	0	732.01196	732.10003	732	26.81325	27	26.7	25.48419	25.6	25.3	21.8323	21.94474	21.75078	1.32906	1.5	1.1	24.00145	0	24	220424912	4050125	83
08/23/2017 18:48:59	0	0	0	732.00305	732.10003	732	26.32251	26.6	26.2	24.71261	24.9	24.4	21.86968	21.97244	21.77848	1.6099	1.9	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 18:53:59	0	0	0	732	732	732	26.09041	26.3	26	24.43982	24.8	24.2	21.88545	21.97244	21.80619	1.65059	1.9	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 18:58:59	0	0	0	731.99896	732	731.90002	25.83007	26	25.6	24.14016	24.3	23.8	21.87865	21.94474	21.77848	1.68991	1.9	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 19:03:59	0	0	0	731.99902	732	731.90002	25.57361	25.7	25.4	23.89006	24.1	23.7	21.87451	21.94474	21.80619	1.68354	1.9	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 19:08:59	0	0	0	731.99902	732	731.90002	25.57361	25.7	25.4	23.89006	24.1	23.7	21.87451	21.94474	21.80619	1.68354	1.9	1.5	24.00145	0	24	220424912	4050125	83

08/23/2017 19:13:59	0	0	0	731.9768	732	731.90002	25.33007	25.5	25.2	23.57343	23.8	23.4	21.83529	21.91702	21.77848	1.75664	1.9	1.6	24.00145	0	24	220424912	4050125	83
08/23/2017 19:18:59	0	0	0	731.99798	732	731.90002	25.03293	25.2	24.9	23.04959	23.4	22.9	21.81378	21.86161	21.77848	1.98335	2.1	1.8	24.00145	0	24	220424912	4050125	83
08/23/2017 19:23:58	0	0	0	732	732.10003	731.90002	24.68686	24.9	24.4	22.58688	22.9	22.3	21.79585	21.8339	21.75078	2.09998	2.3	1.8	24.00145	0	24	220424912	4050125	83
08/23/2017 19:28:59	0	0	0	732.02508	732.10003	732	24.38387	24.6	24.2	22.12738	22.4	21.8	21.77532	21.80619	21.72307	2.25649	2.5	2.1	24.00145	0	24	220424912	4050125	83
08/23/2017 19:33:58	0	0	0	732.0849	732.20001	732	23.99278	24.3	23.9	21.68741	21.9	21.4	21.73685	21.80619	21.63994	2.30537	2.5	2.2	24.00145	0	24	220424912	4050125	83
08/23/2017 19:38:59	0	0	0	732.11316	732.20001	732	23.21326	23.4	23	20.98402	21.3	20.7	21.6509	21.72307	21.52911	2.22924	2.4	2	24.00145	0	24	220424912	4050125	83
08/23/2017 19:43:59	0	0	0	732.1452	732.20001	732	22.81631	23.1	22.6	20.56169	20.8	20.2	21.60012	21.69536	21.50141	2.25462	2.5	2	24.00145	0	24	220424912	4050125	83
08/23/2017 19:48:59	0	0	0	732.1452	732.20001	732	22.81631	23.1	22.6	20.56169	20.8	20.2	21.60012	21.69536	21.50141	2.25462	2.6	2.1	24.00145	0	24	220424912	4050125	83
08/23/2017 19:53:59	0	0	0	732.20709	732.29998	732.10003	22.38405	22.6	22.1	20.02051	20.2	19.8	21.56828	21.69536	21.4737	2.36353	2.6	2.1	24.00145	0	24	220424912	4050125	83
08/23/2017 19:58:59	0	0	0	732.23718	732.40002	732.20001	21.9143	22.1	21.6	19.71749	19.9	19.5	21.48514	21.63994	21.30745	2.19681	2.4	2	24.00145	0	24	220424912	4050125	83
08/23/2017 20:03:58	0	0	0	732.35223	732.5	732.20001	21.50355	21.8	21.3	19.50303	19.6	19.5	21.46494	21.52911	21.36286	2.00051	2.3	1.8	24.00145	0	24	220424912	4050125	83
08/23/2017 20:08:58	0	0	0	732.43512	732.5	732.29998	21.08352	21.3	20.9	19.46352	19.5	19.3	21.51877	21.52911	21.44599	1.61999	1.8	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 20:13:59	0	0	0	732.48687	732.60003	732.40002	20.73347	20.9	20.4	19.26119	19.4	19	21.534	21.61224	21.50141	1.47227	1.6	1.2	24.00145	0	24	220424912	4050125	83
08/23/2017 20:18:59	0	0	0	732.52826	732.60003	732.5	20.29732	20.4	20.1	18.81597	19.2	18.6	21.5693	21.66766	21.52911	1.48135	1.4	1.1	24.00145	0	24	220424912	4050125	83
08/23/2017 20:23:59	0	0	0	732.5	732.5	732.5	19.58053	19.7	19.4	18.55732	18.7	18.4	21.67701	21.72307	21.63994	1.0232	1.3	0.8	24.00145	0	24	220424912	4050125	83
08/23/2017 20:28:59	0	0	0	732.51312	732.60003	732.5	19.2264	19.5	19	18.10723	18.4	17.8	21.78323	21.86161	21.66766	1.11917	1.3	1	24.00145	0	24	220424912	4050125	83
08/23/2017 20:33:58	0	0	0	732.51312	732.60003	732.5	19.2264	19.5	19	18.10723	18.4	17.8	21.78323	21.86161	21.66766	1.11917	1.4	1.2	24.00145	0	24	220424912	4050125	83
08/23/2017 20:38:58	0	0	0	732.56036	732.60003	732.5	18.93044	19.1	18.8	17.65363	17.8	17.5	21.83474	21.86161	21.75078	1.27681	1.4	1.2	24.00145	0	24	220424912	4050125	83
08/23/2017 20:43:58	0	0	0	732.60003	732.60003	732.60003	18.53983	18.8	18.4	17.40604	17.6	17.2	21.85481	21.88932	21.80619	1.13378	1.4	0.9	24.00145	0	24	220424912	4050125	83
08/23/2017 20:48:58	0	0	0	732.60003	732.60003	732.60003	18.29113	18.4	18	17.43092	17.5	17.2	21.8549	21.94474	21.80619	0.86021	1.2	0.6	24.00145	0	24	220424912	4050125	83
08/23/2017 20:53:59	0	0	0	732.60003	732.60003	732.60003	17.97416	18.3	17.8	17.15614	17.4	17.1	21.86244	21.97244	21.80619	0.81801	1.1	0.6	24.00145	0	24	220424912	4050125	83
08/23/2017 20:58:58	0	0	0	732.60003	732.60003	732.60003	17.72657	17.8	17.6	17.13698	17.2	17.1	21.89643	21.97244	21.8339	0.58958	0.7	0.4	24.00145	0	24	220424912	4050125	83
08/23/2017 21:03:58	0	0	0	732.60003	732.60003	732.60003	17.42338	17.7	17.3	17.15662	17.5	17.1	21.895	22.00015	21.8339	0.27348	0.6	0.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 21:08:58	0	0	0	732.69665	732.70001	732.60003	17.18672	17.3	17.1	17.04053	17.2	16.9	21.94586	22.00015	21.86161	0.14618	0.3	0	24.00145	0	24	220424912	4050125	83
08/23/2017 21:13:58	0	0	0	732.70001	732.70001	732.70001	17.00742	17.1	16.8	16.92356	17.1	16.9	21.95609	22.00015	21.86161	0.10972	0.2	0	24.00145	0	24	220424912	4050125	83
08/23/2017 21:18:58	0	0	0	732.71698	732.79998	732.70001	16.72371	16.8	16.6	16.86975	16.9	16.8	21.95291	22.02786	21.86161	0.14603	0.3	0.09999	24.00145	0	24	220424912	4050125	83
08/23/2017 21:23:58	0	0	0	732.7326	732.79998	732.70001	16.5032	16.7	16.4	16.89327	16.9	16.8	21.98041	22.08327	21.86161	0.39007	0.49999	0.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 21:28:58	0	0	0	732.70001	732.70001	732.70001	16.34407	16.5	16.1	17.00316	17.1	16.9	22.08676	22.1664	22.00015	0.65909	1	0.4	24.00145	0	24	220424912	4050125	83
08/23/2017 21:33:58	0	0	0	732.69598	732.70001	732.60003	16.1106	16.4	16	17.14317	17.2	17.1	22.15544	22.22181	22.11098	1.03257	1.2	0.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 21:38:59	0	0	0	732.61291	732.70001	732.60003	15.86976	16	15.8	17.10336	17.2	17.1	22.17841	22.22181	22.13869	1.23361	1.3	1.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 21:43:58	0	0	0	732.61291	732.70001	732.60003	15.86976	16	15.8	17.10336	17.2	17.1	22.17841	22.22181	22.13869	1.23361	1.6	1.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 21:48:58	0	0	0	732.61413	732.70001	732.60003	15.78425	15.9	15.6	17.15999	17.2	17.1	22.23462	22.33265	22.1664	1.37573	1.6	1.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 21:53:58	0	0	0	732.66742	732.70001	732.60003	15.62623	15.8	15.6	17.18991	17.2	17.1	22.27093	22.33265	22.1941	1.56367	1.6	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 21:58:58	0	0	0	732.68005	732.70001	732.60003	15.49631	15.6	15.4	17.13665	17.2	17	22.31217	22.44348	22.1941	1.64034	1.8	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 22:03:59	0	0	0	732.58795	732.60003	732.5	15.34336	15.4	15.3	17.23288	17.4	17.1	22.43007	22.47119	22.38807	1.88952	2.09999	1.69999	24.00145	0	24	220424912	4050125	83
08/23/2017 22:08:58	0	0	0	732.56671	732.60003	732.5	15.30053	15.4	15.2	17.33116	17.5	17.2	22.45444	22.47119	22.41577	2.03063	2.3	1.8	24.00145	0	24	220424912	4050125	83
08/23/2017 22:13:59	0	0	0	732.596	732.70001	732.5	15.24674	15.3	15	17.15346	17.2	17.1	22.44628	22.47119	22.38807	1.90672	2.2	1.8	24.00145	0	24	220424912	4050125	83
08/23/2017 22:18:58	0	0	0	732.596	732.70001	732.5	15.24674	15.3	15	17.15346	17.2	17.1	22.44628	22.47119	22.38807	1.90672	2.2	1.8	24.00145	0	24	220424912	4050125	83
08/23/2017 22:23:58	0	0	0	732.63208	732.70001	732.60003	15.11997	15.3	15	16.95685	17.1	16.9	22.44012	22.47119	22.38807	1.83687	2.1	1.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 22:28:58	0	0	0	732.62121	732.70001	732.60003	15.03968	15.2	15	16.91344	17.1	16.8	22.43509	22.47119	22.38807	1.87376	2.1	1.59999	24.00145	0	24	220424912	4050125	83
08/23/2017 22:33:58	0	0	0	732.6452	732.70001	732.60003	14.99663	15	14.9	16.91008	17.1	16.8	22.44143	22.47119	22.38807	1.91344	2.1	1.8	24.00145	0	24	220424912	4050125	83
08/23/2017 22:38:58	0	0	0	732.64373	732.70001	732.60003	14.95011	15	14.8	16.79066	16.9	16.6	22.45075	22.47119	22.44348	1.84055	1.69999	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 22:43:59	0	0	0	732.61212	732.70001	732.60003	14.81984	14.9	14.8	16.41716	16.5	16.3	22.47154	22.55431	22.44348	1.59732	1.69999	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 22:48:58	0	0	0	732.61212	732.70001	732.60003	14.81984	14.9	14.8	16.41716	16.5	16.3	22.47154	22.55431	22.44348	1.59732	1.69999	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 22:53:58	0	0	0	732.60205	732.70001	732.60003	14.76638	14.8	14.7	16.2669	16.5	16.2	22.49946	22.58202	22.44348	1.50052	1.69999	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 22:58:58	0	0	0	732.63433	732.70001	732.60003	14.7	14.8	14.6	16.2	16.2	16.2	22.51404	22.60973	22.44348	1.49999	1.8	1.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 23:03:58	0	0	0	732.65527	732.70001	732.60003	14.62765	14.7	14.4	16.11692	16.2	15.9	22.56947	22.60973	22.49889	1.48927	1.8	1.19999	24.00145	0	24	220424912	4050125	83
08/23/2017 23:08:58	0	0	0	732.65161	732.70001	732.60003	14.45717	14.7	14.4	16.04424	16.2	15.9	22.58301	22.60973	22.49889	1.58706	1.8	1.3	24.00145	0	24	220424912	4050125	83
08/23/2017 23:13:58	0	0	0	732.62805	732.70001	732.60003	14.39045	14.4	14.3	15.82656	15.9	15.8	22.61022	22.66514	22.58202	1.4361	1.5	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 23:18:58	0	0	0	732.63244	732.70001	732.60003	14.32353	14.4	14.2	15.83363	15.9	15.8	22.61336	22.63743	22.58202	1.51009	1.6	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 23:23:58	0	0	0	732.60101	732.70001	732.60003	14.17979	14.3	14.1	15.78373	15.8	15.7	22.66437	22.83139	22.60973	1.60393	1.7	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 23:28:59	0	0	0	732.60003	732.60003	732.60003	14.11345	14.3	14.1	15.75629	15.8	15.7	22.82534	22.96993	22.72055	1.64284	1.7	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 23:33:58	0	0	0	732.60003	732.60003	732.60003	14.04338	14.1	14	15.64673	15.7	15.6	22.90783	23.08076	22.77597	1.60334	1.7	1.5	24.00145	0	24	220424912	4050125	83
08/23/2017 23:38:58	0	0	0	732.60003	732.60003	732.60003	14.04338	14.1	14	15.64673	15.7	15.6	22.90783	23.08076	22.77597	1.60334	1.8	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 23:43:58	0	0	0	732.60003	732.60003	732.60003	13.97982	14	13.8	15.59773	15.7	15.4	22.86191	23.08076	22.77597	1.61791	1.8	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 23:48:58	0	0	0	732.59906	732.60003	732.5	13.81009	14	13.7	15.42691	15.6	15.4	22.87508	23.08076	22.77597	1.61682	1.8	1.4	24.00145	0	24	220424912	4050125	83
08/23/2017 23:53:58	0	0	0	732.60003	732.60003	732.60003	13.72321	13.8	13.7	15.2565	15.4	15.2	22.89164	23.05305	22.77597	1.53329	1.69999	1.39999	24.00145	0	24	220424912	4050125	83
08/23/2017 23:58:58	0	0	0	732.59399	732.60003	732.5	13.69327	13.8	13.6	15.18319	15.2	15.1	22.91233	23.08076	22.77597	1.48991	1.6	1.39999	24.00145	0	24	220424912	4050125	83
08/24/2017 00:03:58	0	0	0	732.53765	732.60003	732.5	13.60334	13.7	13.5	15.10021	15.2	15	22.99104	23.13618	22.80368	1.49687	1.6	1.3	24.00145	0	24	220424912	4050125	83
08/24/2017 00:08:58	0	0	0	732.50097	732.60003	732.5	13.50336	13.7	13.4	15.06996	15.2	15	23.0881	23.19159	22.91451	1.5666	1.7	1.5	24.00145	0	24	220424912	4050125	83
08/24/2017 00:13:58	0	0	0	732.50201	732.60003	732.5	13.44676	13.5	13.4	14.88395	15	14.7	23.09095	23.2193	22.88681	1.4372	1.59999	1.29999	24.00145	0	24	220424912	4050125	83
08/24/2017 00:18:58	0	0	0	732.5	732.5	732.5	13.3641	13.4	13.1	14.79327	14.8	14.7	23.11791	23.2193	22.94222	1.42917	1.6	1.29999	24.00145	0	24	220424912	4050125	83
08/24/2017 00:23:58	0	0	0	732.48309	732.5	732.40002	13.11311	13.2	13	14.76019	14.8	14.7	23.1574	23.2193	23.02535	1.64708	1.8	1.5	24.00145	0	24	220424912	4050125	83
08/24/2017 00:28:58	0	0	0	732.48309	732.5	732.40002	13.11311	13.2	13	14.76019	14.8	14.7	23.1574	23.2193	23.02535	1.64708	1.69999	1.5	24.00145	0	24	220424912	4050125	83
08/24/2017 00:33:58	0	0	0	732.40002	732.40002	732.40002	13.08071	13.1	13	14.6131	14.7	14.6	23.21213	23.24701	23.16388	1.53238	1.69999	1.5	24.00145	0	24	220424912	4050125	83
08/24/2017 00:38:58	0	0	0	732.40002	732.40002	732.40002	13.01009	13.1	13	14.6398	14.7	14.6	23.21191	23.24701	23.10847	1.6297	1.69999	1.5	24.00145	0	24	220424912	4050125	83
08/24/2017 00:43:58	0	0	0	732.40002	732.40002	732.40002	12.95628	13	12.9	14.56356	14.6	14.5	23.2239	23.24701	23.16388	1.60728	1.7	1.5	24.00145	0	24	220424912	4050125	83
08/24/2017 00:48:58	0	0	0	732.40002	732.40002	732.40002	12.83969	13	12.8	14.48038	14.6	14.2	23.23759	23.24701	23.19159	1.64069	1.69999	1.39999	24.00145	0	24	220424912	4050125	83
08/24/2017 00:53:58	0	0	0	732.40002	732.40002	732.40002	12.79327	12.8	12.6	14.33609	14.5	14.2	23.24366	23.24701	23.19159	1.54282	1.69999	1.39999	24.00145	0	24	220424912	4050125	83
08/24/2017 00:58:58	0	0	0	732.40002	732.40002	732.40002	12.68004	12.8	12.6	14.16693	14.4	14.1	23.25064	23.30243	23.2193	1.48688	1.8	1.3	24.00145	0	24	220424912	4050125	83
08/24/2017 08:36:22	0	0	0	731.68389	732.40002	731.29998	12.67616	12.8	12.5	15.07529	15.6	14.2	23.15819	24.2722	0	2.39913	3	1.6	24.00145	0	24	220424912	4050125	83
08/24/2017 08:41:22	0	0	0	731.68389	732.40002	731.29998	12.67616	12.8	12.5	15.07529	15.6	14.2	23.15819	24.2722	0	2.39913	3	1.6	24.00145	0	24	220424912	4050125	83
08/24/2017 08:46:22	0	0	0	731.74932	731.79998	731.60003	12.88388	13	12.8	15.09662	15.2	15	23.86988	23.93971	23.80117	2.21273	2.5	1.9	24.00145	0	24	220424954	4050325	83
08/24/2017 08:51:22	0	0	0	731.86688	731.90002	731.79998	13.03011	13.1	12.9	15.16273	15.4	15	23.80998	23.82887	23.77346	2.13262	2.5	1.9	0.07166	0.0178	0.07277	220424954	4050325	83
08/24/2017 08:56:23	16.67752	16.70347	16.64813	732.1007	732.20001	732	13.29057	13.4	13.1	15.35972	15.6	15.2	41.82457	42.03303	41.70053	2.06914	2.4	1.79999	0.15504	0.01453	0.15638	220424954	4050325	83
08/24/2017 09:01:22	16.67752	16.70347	16.64813	732.1007	732.20001	732	13.29057	13.4	13.1	15.35972	15.6	15.2	41.82457	42.03303	41.70053	2.06914	2.4	1.79999	0.23843	0.05963	0.23944	220424954	4050325	83
08/24/2017 09:06:22	16.67566	16.70081	16.65799	732.28357	732.29998	732.20001	13.41676	13.5	13.4	15.57244	15.7	15.4	42.08901	42.17157	42.00533	2.15568	2.29999	1.9	0.32181	0.02396	0.32305	220424954	4050325	83

08/24/2017 09:11:22	16.67566	16.70081	16.65799	732.28357	732.29998	732.20001	13.41676	13.5	13.4	15.57244	15.7	15.4	42.08901	42.17157	42.00533	2.15568	2.4	2.1	0.40519	0.01451	0.40638	220424954	4050325	83
08/24/2017 09:16:23	16.67689	16.69388	16.65857	732.35339	732.40002	732.29998	13.61407	13.7	13.5	16.21668	16.8	15.7	42.08067	42.22699	41.97762	2.60261	3.09999	2	0.48858	0.04565	0.48972	220424954	4050325	83
08/24/2017 09:21:22	16.67689	16.69388	16.65857	732.35339	732.40002	732.29998	13.61407	13.7	13.5	16.21668	16.8	15.7	42.08067	42.22699	41.97762	2.60261	3.09999	2	0.57195	0	0.57277	220424954	4050325	83
08/24/2017 09:26:22	16.67484	16.69729	16.65431	732.41613	732.5	732.40002	13.7604	13.8	13.7	16.57178	16.8	16.3	42.13411	42.22699	41.86679	2.81137	3.09999	2.49999	0.65534	0.04198	0.65611	220424954	4050325	83
08/24/2017 09:31:22	16.67662	16.69955	16.65431	732.4483	732.5	732.40002	13.99323	14.1	13.8	16.78779	17.1	16.5	42.1846	42.28241	42.08845	2.79456	3.1	2.5	0.73872	0.042	0.73944	220424954	4050325	83
08/24/2017 09:36:22	16.67613	16.69446	16.65753	732.50305	732.60003	732.5	14.18385	14.3	14.1	16.957	17.2	16.8	42.28948	42.33782	42.14386	2.77314	3	2.49999	0.82209	0.08398	0.82277	220424954	4050325	83
08/24/2017 09:41:22	16.67578	16.70008	16.64979	732.60809	732.70001	732.60003	14.71743	14.8	14.6	17.34553	17.6	17.1	42.21715	42.36553	42.14386	2.62809	2.9	2.4	0.90547	0.02381	0.90638	220424954	4050325	83
08/24/2017 09:46:22	16.67578	16.70008	16.64979	732.60809	732.70001	732.60003	14.71743	14.8	14.6	17.34553	17.6	17.1	42.21715	42.36553	42.14386	2.62809	3.1	2.6	0.98884	0	0.98972	220424954	4050325	83
08/24/2017 09:51:22	16.67628	16.7021	16.64001	732.69702	732.70001	732.60003	15.27845	15.4	15	17.8818	18.2	17.6	42.29086	42.39324	42.17157	2.60335	3.1	2.19999	1.07223	0.06048	1.07305	220424954	4050325	83
08/24/2017 09:56:22	16.67628	16.7021	16.64001	732.69702	732.70001	732.60003	15.27845	15.4	15	17.8818	18.2	17.6	42.29086	42.39324	42.17157	2.60335	3.1	2.19999	1.15559	0.08019	1.15611	220424954	4050325	83
08/24/2017 10:01:22	16.67401	16.69696	16.65484	732.71209	732.79998	732.70001	15.56103	15.8	15.4	17.9155	18.2	17.7	42.28695	42.36553	42.19928	2.35447	2.69999	1.99999	1.23897	0.00527	1.23944	220424954	4050325	83
08/24/2017 10:06:22	16.67534	16.69996	16.64851	732.75268	732.79998	732.70001	15.86035	16	15.8	18.34688	18.7	17.8	42.23611	42.36553	42.11615	2.48652	2.9	1.99999	1.32234	0.01841	1.32277	220424954	4050325	83
08/24/2017 10:11:22	16.67397	16.68915	16.65662	732.79901	732.90002	732.70001	16.07386	16.4	16	18.53291	18.8	18.2	42.20672	42.28241	42.06074	2.45905	2.69999	1.99999	1.40572	0	1.40611	220424954	4050325	83
08/24/2017 10:16:22	16.67649	16.7017	16.66089	732.79901	732.79998	732.70001	16.62747	16.8	16.5	18.98318	19.3	18.8	41.94984	42.06074	41.86679	2.35571	2.7	1.99999	1.48911	0.01854	1.48972	220424954	4050325	83
08/24/2017 10:21:22	16.67544	16.69213	16.65397	732.81103	732.90002	732.79998	16.97114	17.1	16.7	18.78925	18.9	18.6	41.97549	42.14386	41.8945	1.81811	2.09999	1.69999	1.57249	0.04224	1.57305	220424954	4050325	83
08/24/2017 10:26:22	16.67689	16.7017	16.65806	732.802	732.90002	732.79998	17.20737	17.3	17	19.09461	19.3	18.8	41.93819	42.19928	41.78366	1.88724	2.19999	1.59999	1.65587	0.07105	1.65638	220424954	4050325	83
08/24/2017 10:31:22	16.67689	16.7017	16.65806	732.802	732.90002	732.79998	17.20737	17.3	17	19.09461	19.3	18.8	41.93819	42.19928	41.78366	1.88724	2.19999	1.59999	1.73924	0.05676	1.73944	220424954	4050325	83
08/24/2017 10:36:22	16.67596	16.6979	16.65566	732.84027	732.90002	732.79998	17.75032	17.9	17.6	19.70941	20.1	19.3	41.89021	42.00533	41.81137	1.95909	2.4	1.59999	1.82262	0.04236	1.82305	220424954	4050325	83
08/24/2017 10:41:22	16.67529	16.69679	16.65704	732.80633	732.90002	732.79998	17.95098	18.2	17.8	19.95041	20.2	19.6	41.91782	42.00533	41.83908	1.99943	2.3	1.6	1.906	0.04241	1.90638	220424954	4050325	83
08/24/2017 10:46:22	16.67529	16.69679	16.65704	732.80633	732.90002	732.79998	17.95098	18.2	17.8	19.95041	20.2	19.6	41.91782	42.00533	41.83908	1.99943	2.3	1.6	1.98938	0	1.98944	220424954	4050325	83
08/24/2017 10:51:22	16.67558	16.69406	16.65566	732.82415	732.90002	732.79998	18.26174	18.4	18	19.69598	20	19.4	41.95095	42.00533	41.83908	1.43423	1.8	1.09999	2.07276	0.05188	2.07277	220424954	4050325	83
08/24/2017 10:56:22	16.67416	16.70206	16.65844	732.8305	732.90002	732.79998	18.68106	18.9	18.5	20.19866	20.5	20	42.04963	42.22699	41.83908	1.51759	1.9	1.3	2.15612	0.07542	2.15638	220424954	4050325	83
08/24/2017 11:01:22	16.67416	16.70206	16.65844	732.8305	732.90002	732.79998	18.68106	18.9	18.5	20.19866	20.5	20	42.04963	42.22699	41.83908	1.51759	1.9	1.3	2.23949	0.0943	2.23944	220424954	4050325	83
08/24/2017 11:06:22	16.67528	16.69945	16.65445	732.8302	732.90002	732.79998	18.93083	19	18.8	20.53565	20.8	20.2	41.98016	42.2547	41.83908	1.60481	1.99999	1.2	2.32287	0	2.32277	220424954	4050325	83
08/24/2017 11:11:22	16.67514	16.70866	16.63849	732.84259	732.90002	732.79998	19.34289	19.5	19.1	20.79391	21.1	20.6	42.18084	42.31012	41.97762	1.45101	1.69999	1.19999	2.40623	0.02354	2.40638	220424954	4050325	83
08/24/2017 11:16:22	16.67514	16.70866	16.63849	732.84259	732.90002	732.79998	19.34289	19.5	19.1	20.79391	21.1	20.6	42.18084	42.31012	41.97762	1.45101	1.69999	1.19999	2.48961	0.01896	2.48944	220424954	4050325	83
08/24/2017 11:21:22	16.67527	16.69533	16.65827	732.88086	732.90002	732.79998	19.73688	19.8	19.6	21.17056	21.4	20.6	42.1919	42.31012	42.03303	1.43368	1.69999	0.9	2.57298	0.04255	2.57305	220424954	4050325	83
08/24/2017 11:26:22	16.67527	16.69533	16.65827	732.88086	732.90002	732.79998	19.73688	19.8	19.6	21.17056	21.4	20.6	42.1919	42.31012	42.03303	1.43368	1.69999	0.9	2.65635	0.02349	2.65611	220424954	4050325	83
08/24/2017 11:31:22	16.67406	16.69533	16.65042	732.89904	732.90002	732.79998	19.99131	20.1	19.8	21.22009	21.6	20.8	42.13957	42.31012	42.00533	1.22877	1.6	0.8	2.73972	0.02843	2.73944	220424954	4050325	83
08/24/2017 11:36:22	16.67528	16.69268	16.65827	732.9494	733	732.90002	20.12004	20.3	20	21.15922	21.3	20.8	42.2481	42.36553	42.03303	1.03918	1.3	0.49999	2.82309	0.06607	2.82277	220424954	4050325	83
08/24/2017 11:41:22	16.67636	16.69483	16.65536	732.91107	733	732.90002	20.48116	20.6	20.3	21.81658	22.4	21.3	42.31135	42.44866	42.11615	1.33542	1.8	0.89999	2.90647	0.04269	2.90638	220424954	4050325	83
08/24/2017 11:46:22	16.67636	16.69483	16.65536	732.91107	733	732.90002	20.48116	20.6	20.3	21.81658	22.4	21.3	42.31135	42.44866	42.11615	1.33542	1.8	0.89999	2.98985	0.00409	2.98944	220424954	4050325	83
08/24/2017 11:51:22	16.67457	16.69483	16.64852	732.93823	733	732.90002	20.71072	20.8	20.6	22.09193	22.5	21.8	42.32185	42.42094	42.14386	1.3812	1.8	1.09999	3.07322	0.02767	3.07277	220424954	4050325	83
08/24/2017 11:56:22	16.67513	16.69483	16.64459	732.90942	733	732.90002	20.87987	21	20.7	21.98976	22.3	21.8	42.4087	42.53178	42.2547	1.10989	1.5	0.89999	3.15659	0.02342	3.15611	220424954	4050325	83
08/24/2017 12:01:22	16.67464	16.70561	16.63919	732.90606	733	732.90002	21.04421	21.3	20.9	22.08849	22.4	21.8	42.48771	42.58719	42.33782	1.04427	1.4	0.69999	3.23997	0.02342	3.23944	220424954	4050325	83
08/24/2017 12:06:22	16.67486	16.69748	16.65348	732.85638	732.90002	732.79998	21.4503	21.5	21.4	22.4622	22.8	22	42.51189	42.58719	42.44866	1.01189	1.39999	0.59999	3.32334	0.0248	3.32305	220424954	4050325	83
08/24/2017 12:11:22	16.67486	16.69748	16.65348	732.85638	732.90002	732.79998	21.4503	21.5	21.4	22.4622	22.8	22	42.51189	42.58719	42.44866	1.01189	1.39999	0.59999	3.40671	0.0234	3.40611	220424954	4050325	83
08/24/2017 12:16:22	16.67473	16.70094	16.65461	732.88592	733	732.79998	21.6	21.8	21.5	22.72621	22.9	22.5	42.47479	42.55948	42.33782	1.12621	1.19999	0.59999	3.49008	0.01943	3.48944	220424954	4050325	83
08/24/2017 12:21:22	16.67501	16.69285	16.66004	732.90301	733	732.90002	21.79123	21.9	21.6	22.6992	22.9	22.4	42.52628	42.64261	42.44866	0.90797	1.19999	0.59999	3.57344	0.01574	3.57277	220424954	4050325	83
08/24/2017 12:26:22	16.67437	16.69285	16.65791	732.86883	732.90002	732.79998	21.95706	22	21.9	22.96687	23.5	22.6	42.49492	42.6149	42.36553	1.00981	1.5	0.6	3.65682	0.02717	3.65611	220424954	4050325	83
08/24/2017 12:31:22	16.67547	16.70317	16.65244	732.86346	732.90002	732.79998	22.06374	22.1	21.9	23.20074	23.5	22.9	42.50304	42.6149	42.36553	1.137	1.4	0.9	3.74019	0.02892	3.73944	220424954	4050325	83
08/24/2017 12:36:22	16.67481	16.69613	16.6535	732.86682	732.90002	732.79998	22.30124	22.4	22.1	23.46582	24	23.1	42.54642	42.67031	42.39324	1.16457	1.8	0.69999	3.82357	0.04286	3.82305	220424954	4050325	83
08/24/2017 12:41:22	16.67514	16.70027	16.65292	732.87988	733	732.79998	22.46704	22.6	22.4	23.71219	24.3	23.2	42.54645	42.67031	42.42094	1.24515	1.8	0.6	3.90696	0.00945	3.90611	220424954	4050325	83
08/24/2017 12:46:22	16.67552	16.69538	16.65168	732.82745	732.90002	732.70001	22.7174	22.8	22.6	23.7013	24.1	23.2	42.55597	42.67031	42.50407	0.9839	1.4	0.5	3.99033	0.04294	3.98972	220424954	4050325	83
08/24/2017 12:51:22	16.67552	16.69538	16.65168	732.82745	732.90002	732.70001	22.7174	22.8	22.6	23.7013	24.1	23.2	42.55597	42.67031	42.50407	0.9839	1.4	0.5	4.07371	0.0233	4.07277	220424954	4050325	83
08/24/2017 12:56:22	16.67491	16.69351	16.65168	732.76147	732.90002	732.60003	23.06303	23.2	23	23.99174	24.4	23.6	42.58125	42.67031	42.50407	0.92871	1.4	0.5	4.15708	0.00354	4.15638	220424954	4050325	83
08/24/2017 13:01:22	16.67491	16.69351	16.65168	732.76147	732.90002	732.60003	23.06303	23.2	23	23.99174	24.4	23.6	42.58125	42.67031	42.50407	0.92871	1.4	0.5	4.24046	0.03358	4.23944	220424954	4050325	83
08/24/2017 13:06:22	16.67582	16.71021	16.65006	732.65136	732.79998	732.5	23.32011	23.4	23.3	24.5778	24.8	24.3	42.58217	42.67031	42.50407	1.25769	1.49999	0.99999	4.32382	0.02323	4.32305	220424954	4050325	83
08/24/2017 13:11:22	16.67479	16.69256	16.64498	732.54614	732.79998	732.29998	23.4972	23.7	23.4	24.67984	24.9	24.3	42.59237	42.72573	42.50407	1.18264	1.49999	0.8	4.40719	0.0259	4.40638	220424954	4050325	83
08/24/2017 13:16:22	16.67479	16.69256	16.64498	732.54614	732.79998	732.29998	23.4972	23.7	23.4	24.67984	24.9	24.3	42.59237	42.72573	42.50407	1.18264	1.59999	0.69999	4.49056	0.0431	4.48972	220424954	4050325	83
08/24/2017 13:21:22	16.67529	16.69229	16.65508	732.47662	732.70001	732.29998	23.6664	23.7	23.4	24.82754	25.3	24.4	42.65261	42.75344	42.53178	1.16113	1.59999	0.69999	4.57393	0.04318	4.57277	220424954	4050325	83
08/24/2017 13:26:22	16.67532	16.69414	16.656	732.37988	732.60003	732.20001	23.85093	24	23.7	25.11131	25.5	24.8	42.66324	42.75344	42.55948	1.26037	1.8	0.89999	4.6573	0	4.65611	220424954	4050325	83
08/24/2017 13:31:22	16.67508	16.70239	16.63476	732.31775	732.5	732.20001	23.97379	24.2	23.9	25.25239	25.5	24.8	42.70574	42.75344	42.58719	1.2786	1.69999	0.59999	4.74066	0.06328	4.73944	220424954	4050325	83
08/24/2017 13:36:22	16.67539	16.69559	16.65483	732.28393	732.40002	732.20001	24.21134	24.3	24	25.35088	25.9	24.9	42.69398	42.78115	42.55948	1.13953	1.69999	0.59999	4.82402	0.02318	4.82277	220424954	4050325	83
08/24/2017 13:41:22	16.67539	16.69294	16.65867	732.3294	732.5	732.20001	24.36372	24.5	24.3	25.55989	25.9	25.2	42.67512	42.75344	42.53178	1.19616	1.59999	0.8	4.90739	0.02318	4.90611	220424954	4050325	83
08/24/2017 13:46:22	16.6769	16.70029	16.64092	732.29925	732.40002	732.20001	24.63694	24.8	24.5	25.77887	26.5	24.9	42.65874	42.78115	42.53178	1.14193	1.9	0.3	4.99077	0.00945	4.98972	220424954	4050325	83
08/24/2017 13:51:22	16.67453	16.70274	16.64603	732.33557	732.60003	732.20001	24.84352	25	24.6	26.15671	26.7	25.6	42.60469	42.78115	42.50407	1.31319	1.9	0.6	5.07414	0	5.07305	220424954	4050325	83
08/24/2017 13:56:22	16.67453	16.70274	16.64603	732.33557	732.60003	732.20001	24.84352	25	24.6	26.15671	26.7	25.6	42.60469	42.78115	42.50407	1.31319	1.9	0.6	5.15751	0.05271	5.15611	220424954	4050325	83
08/24/2017 14:01:22	16.67504	16.69379	16.65124	732.41174	732.60003	732.29998	24.98386	25.1	24.9	25.85229	26.1	25.5	42.61594	42.75344	42.53178	0.86843	1.1	0.59999	5.24087	0	5.23944	220424954	4050325	83
08/24/2017 14:06:22	16.67583	16.69811	16.64621	732.22314	732.40002	732.20001	25.27916	25.4	25.2	25.93424	26.4	25.6	42.59193	42.69802	42.53178	0.65508	1.19999	0.19999	5.32424	0.04326	5.32305	220424954	4050325	83
08/24/2017 14:11:22	16.67583	16.69811	16.64621	732.22314	732.40002	732.20001	25.27916	25.4	25.2	25.93424	26.4	25.6	42.59193	42.69802	42.53178	0.65508	1.19999	0.19999	5.40761	0.02019	5.40611	220424954	4050325	83
08/24/2017 14:16:22	16.6757	16.69891	16.64868	732.20098	732.29998	732.10003	25.40673	25.5	25.2	26.13547	26.6	25.6	42.63472	42.75344	42.53178	0.72873	1.19999	0.19999	5.49097	0	5.48972	220424954	4050325	83
08/24/2017 14:21:22	16.67372	16.69323	16.64868	732.21911	732.40002	732.20001	25.49325	25.6	25.4	26.47988	26.8	26.2	42.61376	42.69802	42.53178	0.98663	1.39999	0.7	5.57434	0.01369	5.57277	220424954	4050325	83
08/24/2017 14:26:22	16.67475	16.71027	16.6422	732.21612	732.29998	732.20001	25.61001	25.7	25.5	26.0895	26.4	25.6	42.69122	42.75344	42.6149	0.47948	0.8	0	5.65769	0	5.65611	220424954	4050325	83
08/24/2017 14:31:22	16.67374	16.69811	16.65406	732.22216	732.40002	732.20001	25.81405	26	25.7	26.38494	26.8	25.8	42.72964	42.78115	42.6149	0.32468	1	0	5.74105	0	5.73972	220424954	4050325	83
08/24/2017 14:36:22	16.67374	16.69811	16.65406	732.22216	732.40002	732.20001	25.81405	26	25.7	26.38494	26.8	25.8	42.68652	42.78115	42.53178	0.58431	1	0	5.82442	0.04338	5.82277	220424954	4050325	83
08/24/2017 14:41:22	16.67584	16.7046	16.65594	732.19403	732.29998	732.10003	25.99327	26	25.8	26.23929	26.7	25.8	42.70742	42.80886	42.58719	0.31722	0.9	0	5.90777	0.08015	5.90611	220424954	4050325	83
08/24/2017 14:46:22	16.67382	16.71108	16.64868	732.16851	732.20001	732.10003	26.05365	26.1	26	26.49727	26.8	26.2	42.68316	42.75344	42.58719	0.44362	0.8	0.1	5.99114	0.00945	5.98944	220424954	4050325	83
08/24/2017 14:51:22	16.6742	16.70157	16.64377	732.14965	732.20001	732.10003	26.11673	26.2	26	26.42625	26.8	26	42.66948	42.75344	42.58719	0.31623	0.69999	0	6.0745	0.00277	6.07277	220424954	4050325	83
08/24/2017 14:56:22	16.67476	16.69588	16.65618	732.1195	732.20001	732.10003	26.22009	26.3	26.1	26.33804	26.8	25.8	42.67177	42.78115	42.50407	0.25765	0.69999	0	6.15786	0.04331	6.15611	220424954	4050325	83
08/24/2017 15:01:22	16.67428	16.69508	16.65132	732.09906	732.20001	732	26.28053	26.4	26.1	26.45994	26.8	26.2	42.66857	42.80886	42.58719	0.23973	0.59999	0	6.24122	0.0136	6.23944	220424954	4050325	83
08/24/2017 15:06:22	16.67598	16.69742	16.65364	732.08398	732.10003	732	26.31343	26.4	26.3	26.87857	27.1	26.1	42.70966	42.78115	42.6149	0.59596	0.8	0.1	6.32459	0.05979	6.32277	220424954	4050325	83
08/24/2017 15:11:22	16.67539	16.70007	16.64411	732.03918	732.10003	732	26.58321	26.7	26.3	27.1725	27.4	26.8	42.62979	42.72573	42.55948	0.58929	0.8	0.19999	6.40796	0.06649	6.40638	220424954	4050325	83
08/24/2017 15:16:22	16.67539	16.70007	16.64411	732.03918	732.10003	732	26.58321	26.7	26.3	27.1725	27.4	26.8	42.62979	42.72573	42.55948	0.58929	0.8	0.19999	6.49132	0.02307	6.48944	220424954	4050325	83
08/24/2017 15:21:22	16.6754	16.70007	16.65364	732.01141	732.10003	732	26.66045	26.7	26.6	26.8938	27.2	26.7	42.66987	42.75344	42.58719	0.23335	0.5	0.09999	6.57468	0.02035	6.57277	220424954	4050325	83
08/24/2017 15:26:22	16.67536	16.6958	16.64626	731.97784	732.10003	731.90002	26.8308	26.9	26.7	27.3537	27.9	26.7	42.69832	42.83657	42.58719	0.5229	1	0	6.65805	0.0299	6.65638	220424954	4050325	83
08/24/2017 15:31:22	16.67536	16.6958	16.64626	731.97784	732.10003	731.90002	26.8308	26.9	26.7	27.3537	27.9	26.7	42.69832	42.83657	42.58719	0.5229	1	0	6.74141	0.04106	6.73944	220424954	4050325	83

08/24/2017 15:36:22	16.6749	16.69269	16.65248	731.9262	732	731.90002	26.92015	27	26.9	27.01155	27.7	26.7	42.74437	42.86427	42.58719	0.20961	0.8	0.09999	6.82478	0.03248	6.82277	220424954	4050325	83
08/24/2017 15:41:22	16.67438	16.69773	16.64676	731.92926	732	731.79998	26.96037	27	26.9	27.24965	27.8	26.8	42.68006	42.75344	42.55948	0.30269	0.89999	0	6.90815	0.0203	6.90611	220424954	4050325	83
08/24/2017 15:46:22	16.67447	16.69127	16.6513	731.9262	732	731.90002	27.00997	27.2	26.9	26.88077	27.3	26.4	42.69466	42.80886	42.58719	0.2796	0.8	0.1	6.99152	0.03395	6.98944	220424954	4050325	83
08/24/2017 15:51:22	16.67539	16.69166	16.65171	731.8648	731.90002	731.79998	27.07049	27.3	27	26.61411	27.1	26.5	42.78664	42.89199	42.69802	0.46308	0.8	0.2	7.07488	0.00945	7.07305	220424954	4050325	83
08/24/2017 15:56:22	16.67522	16.69736	16.65437	731.80035	731.90002	731.70001	27.10061	27.3	27	26.53958	26.8	26.2	42.81651	42.9474	42.72573	0.56102	0.8	0.2	7.15826	0.04345	7.15611	220424954	4050325	83
08/24/2017 16:01:22	16.67629	16.70804	16.64976	731.73828	731.79998	731.70001	27.09061	27.3	27	26.76272	27.1	26.2	42.73547	42.86427	42.6149	0.36804	1	0.1	7.24162	0.01776	7.23944	220424954	4050325	83
08/24/2017 16:06:22	16.67494	16.70156	16.63722	731.72418	731.79998	731.70001	27.09583	27.3	27	26.89194	27.3	26.5	42.72251	42.83657	42.6149	0.26432	0.5	0	7.32498	0.05563	7.32277	220424954	4050325	83
08/24/2017 16:11:22	16.6748	16.69698	16.65701	731.67883	731.79998	731.60003	27.0356	27.2	26.9	26.55906	26.7	26.4	42.81217	42.89199	42.72573	0.47654	0.8	0.3	7.40834	0	7.40638	220424954	4050325	83
08/24/2017 16:16:22	16.6748	16.69698	16.65701	731.67883	731.79998	731.60003	27.0356	27.2	26.9	26.55906	26.7	26.4	42.81217	42.89199	42.72573	0.47654	0.8	0.3	7.49171	0.06373	7.48944	220424954	4050325	83
08/24/2017 16:21:22	16.67547	16.69619	16.65544	731.65075	731.79998	731.60003	27.00672	27.3	26.9	26.31195	26.6	26.1	42.76292	42.83657	42.69802	0.69476	1.1	0.4	7.57508	0.04342	7.57277	220424954	4050325	83
08/24/2017 16:26:22	16.67597	16.6985	16.64252	731.60608	731.70001	731.5	26.9738	27.2	26.9	26.77276	27.2	26.2	42.75519	42.83657	42.67031	0.29507	0.7	0.09999	7.65845	0.03667	7.65611	220424954	4050325	83
08/24/2017 16:31:22	16.67426	16.70533	16.65241	731.54974	731.60003	731.5	26.93625	27	26.9	26.45806	27	25.9	42.78079	42.91969	42.69802	0.47819	1	0	7.7418	0.04985	7.73972	220424954	4050325	83
08/24/2017 16:36:22	16.67426	16.70533	16.65241	731.54974	731.60003	731.5	26.93625	27	26.9	26.45806	27	25.9	42.78079	42.91969	42.69802	0.47819	1	0	7.82518	0.06353	7.82277	220424954	4050325	83
08/24/2017 16:41:22	16.67469	16.69963	16.65241	731.56646	731.60003	731.5	26.91673	27	26.8	26.28595	26.7	25.9	42.80937	42.91969	42.72573	0.63078	1	0.2	7.90854	0.02309	7.90611	220424954	4050325	83
08/24/2017 16:46:22	16.67465	16.69884	16.6508	731.53558	731.70001	731.5	26.86984	26.9	26.8	26.13289	26.5	25.8	42.75241	42.80886	42.69802	0.73695	1.1	0.3	7.9919	0	7.98972	220424954	4050325	83
08/24/2017 16:51:22	16.67374	16.69155	16.65809	731.52008	731.60003	731.5	26.80267	26.9	26.7	26.06962	26.4	25.9	42.76011	42.83657	42.69802	0.73305	1	0.4	8.07527	0.04334	8.07305	220424954	4050325	83
08/24/2017 16:56:22	16.67534	16.69722	16.65728	731.52655	731.60003	731.5	26.71011	26.9	26.6	26.04302	26.5	25.9	42.76456	42.83657	42.69802	0.66709	0.9	0.2	8.15864	0.04331	8.15639	220424954	4050325	83
08/24/2017 17:01:22	16.67526	16.69155	16.65728	731.50903	731.60003	731.5	26.71005	26.9	26.6	26.06989	26.2	25.9	42.75855	42.83657	42.69802	0.64015	0.9	0.5	8.24206	0.03681	8.23972	220424954	4050325	83
08/24/2017 17:06:22	16.67526	16.69155	16.65728	731.50903	731.60003	731.5	26.71005	26.9	26.6	26.06989	26.2	25.9	42.75855	42.83657	42.69802	0.64015	1.3	0.8	8.32549	0.0896	8.32277	220424954	4050325	83
08/24/2017 17:11:22	16.67571	16.72069	16.65177	731.51007	731.60003	731.5	26.67313	26.7	26.6	25.67225	25.9	25.4	42.74599	42.80886	42.67031	1.00088	1.3	0.8	8.40893	0.02314	8.40611	220424954	4050325	83
08/24/2017 17:16:22	16.67455	16.69988	16.64778	731.49694	731.5	731.40002	26.60016	26.7	26.4	25.97719	26.2	25.8	42.7207	42.80886	42.6149	0.62297	0.8	0.4	8.49235	0	8.48944	220424954	4050325	83
08/24/2017 17:21:22	16.6753	16.69254	16.65527	731.40106	731.5	731.40002	26.36982	26.6	26.3	25.61563	25.8	25.4	42.82614	42.9474	42.72573	0.75418	1	0.5	8.57574	0.00307	8.57305	220424954	4050325	83
08/24/2017 17:26:22	16.67518	16.69254	16.65442	731.38897	731.40002	731.29998	26.29674	26.4	26.2	25.61734	25.8	25.4	42.75221	42.86427	42.6149	0.67939	0.9	0.4	8.65916	0.04331	8.65639	220424954	4050325	83
08/24/2017 17:31:22	16.67518	16.69254	16.65442	731.38897	731.40002	731.29998	26.29674	26.4	26.2	25.61734	25.8	25.4	42.75221	42.86427	42.6149	0.67939	1	0.3	8.74258	0.02319	8.73972	220424954	4050325	83
08/24/2017 17:36:22	16.67489	16.69254	16.65527	731.39398	731.40002	731.29998	26.22947	26.3	26.1	25.5989	25.8	25.3	42.77236	42.91969	42.67031	0.63057	1	0.3	8.82601	0	8.82277	220424954	4050325	83
08/24/2017 17:41:22	16.67575	16.70472	16.64882	731.3504	731.40002	731.29998	26.0598	26.2	26	25.20331	25.6	24.9	42.80619	42.9474	42.67031	0.85648	1.2	0.4	8.90941	0.06959	8.90639	220424954	4050325	83
08/24/2017 17:46:22	16.67575	16.70472	16.64882	731.3504	731.40002	731.29998	26.0598	26.2	26	25.20331	25.6	24.9	42.80619	42.9474	42.67031	0.85648	1.2	0.4	8.99282	0.02322	8.98944	220424954	4050325	83
08/24/2017 17:51:22	16.67516	16.69635	16.65738	731.30499	731.40002	731.29998	25.79876	26	25.7	24.76375	24.9	24.6	42.77039	42.89199	42.69802	1.035	1.4	0.8	9.07626	0	9.07305	220424954	4050325	83
08/24/2017 17:56:22	16.67516	16.69635	16.65738	731.30499	731.40002	731.29998	25.79876	26	25.7	24.76375	24.9	24.6	42.77039	42.89199	42.69802	1.035	1.4	0.8	9.15967	0.02327	9.15611	220424954	4050325	83
08/24/2017 18:01:22	16.6762	16.69635	16.65165	731.29089	731.29998	731.20001	25.58329	25.7	25.5	24.43372	24.7	24.2	42.80762	42.91969	42.69802	1.14957	1.3	0.9	9.24311	0.0802	9.23972	220424954	4050325	83
08/24/2017 18:06:22	16.6762	16.69635	16.65165	731.29089	731.29998	731.20001	25.58329	25.7	25.5	24.43372	24.7	24.2	42.80762	42.91969	42.69802	1.14957	1.3	0.5	9.32651	0.09564	9.32277	220424954	4050325	83
08/24/2017 18:11:22	16.67432	16.70458	16.64607	731.23022	731.29998	731.20001	25.4457	25.6	25.4	24.47477	24.9	24.2	42.7538	42.89199	42.67031	0.97093	1.3	0.5	9.40995	0.02332	9.40611	220424954	4050325	83
08/24/2017 18:16:22	16.67494	16.69153	16.64028	731.21612	731.29998	731.20001	25.34645	25.4	25.2	24.05885	24.4	23.6	42.81409	42.91969	42.69802	1.28759	1.7	1	9.49334	0.02333	9.48944	220424954	4050325	83
08/24/2017 18:21:22	16.67448	16.69751	16.65483	731.20001	731.20001	731.20001	24.91615	25	24.8	23.17191	23.4	23	42.8687	42.9474	42.78115	1.74423	1.9	1.5	9.57676	0	9.57305	220424954	4050325	83
08/24/2017 18:26:22	16.67763	16.69361	16.66506	731.18097	731.20001	731.10003	24.65254	24.9	24.5	23.05741	23.4	22.9	42.8658	42.9474	42.75344	1.59513	2	1.1	9.6602	0.03928	9.65639	220424954	4050325	83
08/24/2017 18:31:22	16.67763	16.69361	16.66506	731.18097	731.20001	731.10003	24.65254	24.9	24.5	23.05741	23.4	22.9	42.8658	42.9474	42.75344	1.59513	2	1.1	9.74357	0.04293	9.73944	220424954	4050325	83
08/24/2017 18:36:22	16.67421	16.70066	16.64988	731.05474	731.10003	731	24.29268	24.4	24	22.8993	23.1	22.6	42.81355	42.91969	42.69802	1.39337	1.7	1	9.82698	0.08964	9.82305	220424954	4050325	83
08/24/2017 18:41:22	16.67421	16.70066	16.64988	731.05474	731.10003	731	24.29268	24.4	24	22.8993	23.1	22.6	42.81355	42.91969	42.69802	1.39337	1.7	1	9.91039	0.04287	9.90611	220424954	4050325	83
08/24/2017 18:46:22	16.67344	16.69253	16.64224	731.07885	731.10003	731	24.00534	24.2	23.9	22.70887	22.9	22.5	42.82219	42.9474	42.69802	1.29647	1.5	1.1	9.9938	0.06222	9.98944	220424954	4050325	83
08/24/2017 18:51:22	16.67494	16.69299	16.65426	731.0343	731.10003	731	23.83569	24	23.7	22.47658	22.8	22.2	42.76114	42.89199	42.67031	1.35911	1.7	1.1	10.07719	0.04278	10.07277	220424954	4050325	83
08/24/2017 18:56:22	16.67396	16.69729	16.65241	730.9909	731	730.90002	23.33692	23.4	23.2	21.83097	22.2	21.6	42.8206	42.89199	42.69802	1.50595	1.7	1.1	10.1606	0.04273	10.15639	220424954	4050325	83
08/24/2017 19:01:22	16.67388	16.69643	16.64347	730.92541	731	730.90002	23.09204	23.3	23	21.35854	21.6	21.2	42.81243	42.89199	42.69802	1.73349	1.9	1.4	10.24402	0.02351	10.23972	220424954	4050325	83
08/24/2017 19:06:22	16.67388	16.69643	16.64347	730.92541	731	730.90002	23.09204	23.3	23	21.35854	21.6	21.2	42.81243	42.89199	42.69802	1.73349	1.9	1.4	10.32742	0.04263	10.32277	220424954	4050325	83
08/24/2017 19:11:22	16.67441	16.69937	16.64885	730.92321	731	730.90002	22.81891	23.1	22.6	21.05191	21.3	20.8	42.75224	42.86427	42.67031	1.76699	2	1.6	10.41085	0.0141	10.40611	220424954	4050325	83
08/24/2017 19:16:22	16.67385	16.69557	16.6492	730.93853	731	730.90002	22.20891	22.4	22	20.42235	20.6	20.1	42.63563	42.72573	42.53178	1.78656	2	1.6	10.49426	0.06611	10.48972	220424954	4050325	83
08/24/2017 19:21:22	16.67385	16.69557	16.6492	730.93853	731	730.90002	22.20891	22.4	22	20.42235	20.6	20.1	42.63563	42.72573	42.53178	1.78656	2	1.6	10.57764	0.01888	10.57277	220424954	4050325	83
08/24/2017 19:26:22	16.67533	16.69295	16.65587	730.90234	731	730.90002	21.86855	22.1	21.6	20.0962	20.2	19.9	42.56205	42.69802	42.47636	1.77235	1.9	1.6	10.66107	0	10.65611	220424954	4050325	83
08/24/2017 19:31:22	16.6755	16.69554	16.65983	730.90002	730.90002	730.90002	21.49946	21.6	21.3	19.83587	20	19.6	42.50534	42.58719	42.39324	1.66359	1.9	1.4	10.74451	0	10.73972	220424954	4050325	83
08/24/2017 19:36:22	16.67388	16.68891	16.6532	730.90002	730.90002	730.90002	21.17541	21.4	21	19.51827	19.8	19.3	42.45851	42.58719	42.36553	1.65714	1.9	1.4	10.82789	0.04234	10.82277	220424954	4050325	83
08/24/2017 19:41:22	16.67462	16.70036	16.65955	730.89697	730.90002	730.79998	20.4687	20.7	20.3	18.61908	18.8	18.4	42.39142	42.58719	42.17157	1.84962	2	1.7	10.91132	0.03714	10.90639	220424954	4050325	83
08/24/2017 19:46:22	16.67462	16.70036	16.65955	730.89697	730.90002	730.79998	20.4687	20.7	20.3	18.61908	18.8	18.4	42.39142	42.58719	42.17157	1.84962	2	1.7	10.99474	0	10.98944	220424954	4050325	83
08/24/2017 19:51:22	16.67523	16.69223	16.65933	730.84668	730.90002	730.79998	19.63904	20	19.4	18.33413	18.4	18.2	42.39781	42.53178	42.31012	1.3049	1.8	1	11.07817	0.01854	11.07305	220424954	4050325	83
08/24/2017 19:56:22	16.67523	16.69223	16.65933	730.84668	730.90002	730.79998	19.63904	20	19.4	18.33413	18.4	18.2	42.39781	42.53178	42.31012	1.3049	1.8	1	11.16161	0.04225	11.15611	220424954	4050325	83
08/24/2017 20:01:22	16.6741	16.6934	16.64972	730.79998	730.79998	730.79998	18.83242	19	18.6	17.95851	18.2	17.8	42.53621	42.64261	42.42094	0.87391	1.1	0.5	11.24502	0	11.23972	220424954	4050325	83
08/24/2017 20:06:22	16.6741	16.6934	16.64972	730.79998	730.79998	730.79998	18.83242	19	18.6	17.95851	18.2	17.8	42.53621	42.64261	42.42094	0.87391	1.1	0.5	11.32845	0	11.32277	220424954	4050325	83
08/24/2017 20:11:22	16.67551	16.69819	16.66005	730.76977	730.79998	730.70001	18.07195	18.3	17.8	17.57931	17.7	17.5	42.59721	42.72573	42.53178	0.49264	0.6	0.3	11.4119	0	11.40639	220424954	4050325	83
08/24/2017 20:16:22	16.67551	16.69819	16.66005	730.76977	730.79998	730.70001	18.07195	18.3	17.8	17.57931	17.7	17.5	42.59721	42.72573	42.53178	0.49264	0.6	0.3	11.49533	0.09366	11.48944	220424954	4050325	83
08/24/2017 20:21:22	16.67374	16.69594	16.65386	730.78784	730.79998	730.70001	17.40814	17.7	17.3	16.98603	17.2	16.8	42.7489	42.86427	42.64261	0.4221	0.6	0.2	11.57875	0.04204	11.57305	220424954	4050325	83
08/24/2017 20:26:22	16.67595	16.68924	16.66055	730.79998	730.79998	730.79998	17.09536	17.3	16.8	16.83557	17	16.8	42.7686	42.83657	42.67031	0.25979	0.4	0	11.66221	0	11.65639	220424954	4050325	83
08/24/2017 20:31:22	16.67595	16.68924	16.66055	730.79998	730.79998	730.79998	17.09536	17.3	16.8	16.83557	17	16.8	42.7686	42.83657	42.67031	0.25979	0.4	0	11.74562	0	11.73944	220424954	4050325	83
08/24/2017 20:36:22	16.67484	16.69271	16.65736	730.79998	730.79998	730.79998	16.49875	16.7	16.4	16.47312	16.6	16.3	42.77774	42.83657	42.72573	0.0657	0.2	0	11.82899	0	11.82305	220424954	4050325	83
08/24/2017 20:41:22	16.67484	16.69271	16.65736	730.79998	730.79998	730.79998	16.49875	16.7	16.4	16.47312	16.6	16.3	42.77774	42.83657	42.72573	0.0657	0.2	0	11.91235	0	11.90611	220424954	4050325	83
08/24/2017 20:46:22	16.67424	16.69271	16.65067	730.79998	730.79998	730.79998	16.22895	16.4	16.1	16.49597	16.6	16.4	42.78373	42.83657	42.69802	0.26701	0.4	0	11.99576	0.04195	11.98944	220424954	4050325	83
08/24/2017 20:51:22	16.67585	16.70284	16.65574	730.79998	730.79998	730.79998	15.78343	15.9	15.6	16.33696	16.5	16.2	42.83478	42.91969	42.72573	0.55352	0.9	0.39999	12.07916	0.04197	12.07305	220424954	4050325	83
08/24/2017 20:56:22	16.67843	16.69106	16.64397	730.79998	730.79998	730.79998	15.78343	15.9	15.6	16.33696	16.5	16.2	42.83478	42.91969	42.72573	0.55352	0.89999	0.6	12.16262	0.08393	12.15639	220424954	4050325	83
08/24/2017 21:01:22	16.67626	16.69778	16.65574	730.79998	730.79998	730.79998	15.33964	15.4	15.3	16.33021	16.5	16.2	42.88327	42.9474	42.78115	0.99056	1.19999	0.89999	12.24603	0.0478	12.23972	220424954	4050325	83
08/24/2017 21:06:22	16.67626	16.69778	16.65574	730.79998	730.79998	730.79998	15.33964	15.4	15.3	16.33021	16.5	16.2	42.88327	42.9474	42.78115	0.99056	1.4	0.99999	12.32942	0	12.32277	220424954	4050325	83
08/24/2017 21:11:22	16.6762	16.69271	16.65574	730.79998	730.79998	730.79998	15.12901	15.3	15	16.34229	16.5	16.3	42.92061	43.05822	42.80886	1.21327	1.39999	1.2	12.41286	0.02391	12.40611	220424954	4050325	83
08/24/2017 21:16:22	16.67437	16.69106	16.66082	730.79998	730.79998	730.79998	14.95981	15	14.9	16.23965	16.3	16.2	42.96695	43.05822	42.86427	1.27983	1.39999	1.2	12.4963	0.04193	12.48944	220424954	4050325	83
08/24/2017 21:21:22	16.67311	16.69612	16.64741	730.79998	730.79998	730.79998	14.81344	14.9	14.8	16.11961	16.3	15.9	42.99268	43.08594	42.89199	1.30616	1.49999	1.09999	12.57972	0.03603	12.57277	220424954	4050325	83
08/24/2017 21:26:22	16.67378	16.70789	16.64071	730.79998	730.79998	730.79998	14.72621	14.8	14.7	16.03867	16.2	15.9	42.99791	43.08594	42.89199	1.31246	1.59999	1.19999	12.66316	0	12.65639	220424954	4050325	83
08/24/2017 21:31:22	16.67383	16.70621	16.65246	730.79998	730.79998	730.79998	14.60285	14.7	14.4	15.95496	16.2	15.9	42.94474	43.03052	42.86427	1.35211	1.59999	1.19999	12.74658	0	12.73944	220424954	4050325	83
08/24/2017 21:36:22	16.67576	16.69277	16.65751	730.79998	730.79998	730.79998	14.32622	14.4	14.3	15.86978	15.9	15.8	43.01168	43.11364	42.91969	1.54356	1.59999	1.39999	12.83002	0.02395	12.82305	220424954	4050325	83
08/24/2017 21:41:22	16.67576	16.69277	16.65751	730.79998	730.79998	730.79998	14.32622	14.4	14.3	15.86978	15.9	15.8	43.01168	43.11364	42.91969	1.54356	1.7	1.39999	12.9134	0.0419	12.90611	220424954	4050325	83
08/24/2017 21:46:22	16.67442	16.68774	16.64576	730.79998	730.79998	730.79998	14.28319	14.3	14.1	15.79929	15.9	15.7	43.02368	43.11364	42.9474	1.5161	1.7	1.39999	12.99677	0	12.98944	220424954	4050325	83
08/24/2017 21:51:22	16.67463	16.69277	16.6508	730.79998	730.79998	730.79998	14.14972	14.3	14.1	15.77661	15.8	15.7	43.019	43.11364	42.91969	1.62688	1.7	1.5	13.08014	0.06586	13.07277	220424954	4050325	83
08/24/2017 21:56:22	16.67489	16.69779	16.64815	730.80102	730.90002	730.79998	14.01681	14.1	14	15.68589	15.8	15.6	43.05497	43.14135	42.9751	1.66907	1.8	1.5	13.16355	0.04187	13.15639	220424954	4050325	83

08/24/2017 22:01:22	16.67489	16.69779	16.64815	730.80102	730.90002	730.79998	14.01681	14.1	14	15.68589	15.8	15.6	43.05497	43.14135	42.9751	1.66907	1.8	1.5	13.24695	0.05977	13.23944	220424954	4050325	83
08/24/2017 22:06:22	16.67527	16.69779	16.6508	730.79998	730.79998	730.79998	13.95992	14	13.8	15.69327	15.8	15.6	43.06195	43.16906	42.9751	1.73334	1.89999	1.6	13.33036	0.08378	13.32277	220424954	4050325	83
08/24/2017 22:11:22	16.67706	16.69779	16.65583	730.802	730.90002	730.79998	13.78872	14	13.7	15.60941	15.7	15.4	43.10622	43.19677	43.00281	1.82068	2	1.59999	13.41377	0.04795	13.40611	220424954	4050325	83
08/24/2017 22:16:22	16.67661	16.70108	16.65414	730.80908	730.90002	730.79998	13.69275	13.8	13.6	15.38656	15.4	15.3	43.07643	43.16906	43.00281	1.69381	1.8	1.59999	13.49718	0.00839	13.48972	220424954	4050325	83
08/24/2017 22:21:22	16.67661	16.70108	16.65414	730.80908	730.90002	730.79998	13.69275	13.8	13.6	15.38656	15.4	15.3	43.07643	43.16906	43.00281	1.69381	1.8	1.59999	13.5806	0.04181	13.57277	220424954	4050325	83
08/24/2017 22:26:22	16.67548	16.70108	16.65414	730.85852	730.90002	730.79998	13.6237	13.7	13.5	15.3832	15.4	15.3	43.07823	43.16906	42.9751	1.75949	1.9	1.6	13.664	0.04181	13.65611	220424954	4050325	83
08/24/2017 22:31:22	16.67586	16.69934	16.65243	730.8059	730.90002	730.79998	13.48655	13.5	13.4	15.19261	15.3	15.1	43.13279	43.25219	43.03052	1.70606	1.8	1.6	13.7474	0.0418	13.73972	220424954	4050325	83
08/24/2017 22:36:22	16.67586	16.69934	16.65243	730.8059	730.90002	730.79998	13.48655	13.5	13.4	15.19261	15.3	15.1	43.13279	43.25219	43.03052	1.70606	1.8	1.6	13.8308	0	13.82277	220424954	4050325	83
08/24/2017 22:41:22	16.67404	16.69934	16.64978	730.85876	730.90002	730.79998	13.43346	13.5	13.4	15.19327	15.2	15.1	43.14163	43.22448	43.05822	1.7598	2.2	1.69999	13.91423	0.0418	13.90639	220424954	4050325	83
08/24/2017 22:46:22	16.67548	16.69934	16.65243	730.80297	730.90002	730.79998	13.3364	13.4	13.1	15.19059	15.3	15.1	43.16568	43.2799	43.05822	1.85418	2.2	1.69999	13.99764	0.13158	13.98944	220424954	4050325	83
08/24/2017 22:51:22	16.67379	16.69758	16.65801	730.88659	730.90002	730.79998	13.13493	13.4	13.1	14.95297	15	14.8	43.2606	43.39073	43.16906	1.81804	1.9	1.39999	14.08105	0	14.07305	220424954	4050325	83
08/24/2017 22:56:22	16.67379	16.69758	16.65801	730.88659	730.90002	730.79998	13.13493	13.4	13.1	14.95297	15	14.8	43.2606	43.39073	43.16906	1.81804	1.9	1.39999	14.1645	0	14.15611	220424954	4050325	83
08/24/2017 23:01:22	16.67377	16.70077	16.6472	730.80096	730.90002	730.79998	13.02017	13.1	13	14.70941	14.8	14.6	43.32495	43.41843	43.22448	1.68924	1.8	1.6	14.24793	0	14.23972	220424954	4050325	83
08/24/2017 23:06:22	16.67464	16.70077	16.65216	730.79998	730.79998	730.79998	12.98321	13	12.9	14.67728	14.8	14.5	43.33312	43.39073	43.25219	1.69407	1.9	1.5	14.33136	0.06575	14.32305	220424954	4050325	83
08/24/2017 23:11:22	16.67464	16.70077	16.65216	730.79998	730.79998	730.79998	12.98321	13	12.9	14.67728	14.8	14.5	43.33312	43.39073	43.25219	1.69407	1.9	1.5	14.41479	0.04169	14.40611	220424954	4050325	83
08/24/2017 23:16:22	16.67514	16.69402	16.65532	730.79998	730.79998	730.79998	12.9062	13	12.8	14.4325	14.6	14.2	43.3517	43.41843	43.25219	1.52629	1.7	1.19999	14.49818	0	14.48944	220424954	4050325	83
08/24/2017 23:21:22	16.67594	16.69221	16.65532	730.79998	730.79998	730.79998	12.81008	12.9	12.8	14.20336	14.4	14.1	43.32331	43.41843	43.25219	1.39328	1.59999	1.3	14.58158	0.10086	14.57277	220424954	4050325	83
08/24/2017 23:26:22	16.67394	16.69531	16.64675	730.79998	730.79998	730.79998	12.73314	12.8	12.6	14.09953	14.2	13.9	43.41027	43.52927	43.25219	1.36639	1.7	1.19999	14.665	0	14.65639	220424954	4050325	83
08/24/2017 23:31:22	16.67397	16.70207	16.64675	730.79998	730.79998	730.79998	12.59354	12.8	12.4	13.99651	14.2	13.9	43.52141	43.58468	43.44614	1.40297	1.7	1.19999	14.74841	0.04165	14.73944	220424954	4050325	83
08/24/2017 23:36:22	16.67324	16.69531	16.64857	730.79998	730.79998	730.79998	12.46302	12.6	12.4	14.07981	14.2	13.9	43.53354	43.58468	43.47385	1.61679	1.8	1.39999	14.83184	0.04168	14.82277	220424954	4050325	83
08/24/2017 23:41:22	16.67328	16.69941	16.65085	730.85626	730.90002	730.79998	12.31968	12.4	12.2	14.06993	14.2	13.9	43.49516	43.61238	43.41843	1.75025	2	1.59999	14.91523	0.05917	14.90639	220424954	4050325	83
08/24/2017 23:46:22	16.67521	16.70247	16.65085	730.90002	730.90002	730.90002	12.23631	12.4	12	13.96319	14.1	13.9	43.4863	43.61238	43.39073	1.72687	1.9	1.59999	14.99862	0.04159	14.98972	220424954	4050325	83
08/24/2017 23:51:22	16.67583	16.70247	16.65577	730.90002	730.90002	730.90002	12.11965	12.2	12	13.9	14	13.8	43.51805	43.61238	43.39073	1.78034	2	1.6	15.08201	0.04162	15.07305	220424954	4050325	83
08/24/2017 23:56:22	16.67547	16.69531	16.65577	730.88403	730.90002	730.79998	12.00673	12.2	12	14.05429	14.1	13.9	43.5147	43.61238	43.44614	2.04756	2.1	1.69999	15.16539	0.04165	15.15639	220424954	4050325	83
08/25/2017 00:01:22	16.67547	16.69531	16.65577	730.88403	730.90002	730.79998	12.00673	12.2	12	14.05429	14.1	13.9	43.5147	43.61238	43.44614	2.04756	2.1	1.69999	15.24886	0.02408	15.23944	220424954	4050325	83
08/25/2017 00:06:21	16.67494	16.69531	16.66026	730.802	730.90002	730.79998	11.96974	12	11.9	14.12428	14.2	14	43.56728	43.69551	43.41843	2.15453	2.3	2	15.33233	0	15.32277	220424954	4050325	83
08/25/2017 00:11:22	16.67432	16.69038	16.64857	730.76989	730.79998	730.70001	11.90604	12	11.8	14.12955	14.2	14.1	43.63372	43.72322	43.52927	2.22351	2.2	1.89999	15.41574	0.05916	15.40639	220424954	4050325	83
08/25/2017 00:16:22	16.67516	16.69611	16.65432	730.70001	730.70001	730.70001	11.83628	12	11.8	13.94566	14.1	13.8	43.68061	43.75093	43.61238	2.10938	2.2	1.89999	15.49918	0.04161	15.48944	220424954	4050325	83
08/25/2017 00:21:22	16.6755	16.70402	16.65248	730.70001	730.70001	730.70001	11.77999	11.8	11.7	13.58656	13.6	13.5	43.77645	43.88947	43.6678	1.80657	1.9	1.69999	15.58261	0.04161	15.57305	220424954	4050325	83
08/25/2017 00:26:22	16.6758	16.69913	16.65737	730.70001	730.70001	730.70001	11.75311	11.8	11.7	13.55966	13.6	13.5	43.81335	43.91718	43.72322	1.80655	1.9	1.69999	15.666	0.01742	15.65639	220424954	4050325	83
08/25/2017 00:31:22	16.67459	16.69236	16.65737	730.70001	730.70001	730.70001	11.70604	11.8	11.7	13.5464	13.6	13.4	43.80624	43.91718	43.69551	1.84035	1.9	1.69999	15.74939	0.01742	15.73972	220424954	4050325	83
08/25/2017 00:36:22	16.67459	16.69236	16.65737	730.70001	730.70001	730.70001	11.70604	11.8	11.7	13.5464	13.6	13.4	43.80624	43.91718	43.69551	1.84035	1.9	1.69999	15.83276	0.04157	15.82277	220424954	4050325	83
08/25/2017 00:41:22	16.6756	16.69913	16.65737	730.70001	730.70001	730.70001	11.65987	11.7	11.4	13.52285	13.6	13.5	43.82254	43.94488	43.6678	1.86298	2.1	1.8	15.91614	0.04157	15.90611	220424954	4050325	83
08/25/2017 00:46:22	16.67532	16.69236	16.64571	730.70001	730.70001	730.70001	11.45248	11.6	11.4	13.56384	13.6	13.5	43.80283	43.88947	43.75093	2.11136	2.2	1.9	15.99954	0.01742	15.98972	220424954	4050325	83
08/25/2017 00:51:22	16.67532	16.69236	16.64571	730.70001	730.70001	730.70001	11.45248	11.6	11.4	13.56384	13.6	13.5	43.80283	43.88947	43.75093	2.11136	2.2	1.9	16.08295	0.05892	16.07305	220424954	4050325	83
08/25/2017 00:56:22	16.67524	16.69236	16.65737	730.70001	730.70001	730.70001	11.40803	11.7	11.4	13.52657	13.6	13.3	43.81314	43.86176	43.75093	2.11854	2.2	1.9	16.16635	0.06567	16.15611	220424954	4050325	83
08/25/2017 01:01:22	16.67614	16.69045	16.64384	730.70001	730.70001	730.70001	11.34303	11.4	11.3	13.31274	13.5	13.2	43.86374	43.94488	43.77864	1.96971	2.1	1.8	16.24978	0.04155	16.23972	220424954	4050325	83
08/25/2017 01:06:21	16.67614	16.69045	16.64384	730.70001	730.70001	730.70001	11.34303	11.4	11.3	13.31274	13.5	13.2	43.86374	43.94488	43.77864	1.96971	2.1	1.8	16.33323	0.00947	16.32277	220424954	4050325	83
08/25/2017 01:11:22	16.67531	16.69311	16.65138	730.60846	730.70001	730.60003	11.27332	11.3	11.2	13.28657	13.3	13.2	43.9477	44.08343	43.86176	2.01324	2.1	1.89999	16.41653	0.02415	16.40639	220424954	4050325	83
08/25/2017 01:16:22	16.6756	16.70477	16.65815	730.60003	730.60003	730.60003	11.17927	11.3	11.1	13.30337	13.4	13.2	43.9874	44.11113	43.91718	2.12409	2.3	2	16.49974	0.04152	16.48972	220424954	4050325	83
08/25/2017 01:21:22	16.6756	16.70477	16.65815	730.60003	730.60003	730.60003	11.17927	11.3	11.1	13.30337	13.4	13.2	43.9874	44.11113	43.91718	2.12409	2.3	2	16.58294	0	16.57305	220424954	4050325	83
08/25/2017 01:26:22	16.67472	16.69311	16.64948	730.60003	730.60003	730.60003	11.1121	11.3	11.1	13.2329	13.3	13	43.98489	44.08343	43.86176	2.1208	2.2	1.9	16.66615	0.00682	16.65611	220424954	4050325	83
08/25/2017 01:31:22	16.67441	16.69798	16.64948	730.60003	730.60003	730.60003	11.1	11.1	11.1	13.11258	13.2	13	44.02183	44.11113	43.91718	2.01257	2.1	1.9	16.74935	0.06569	16.73944	220424954	4050325	83
08/25/2017 01:36:22	16.67418	16.70769	16.64271	730.60003	730.60003	730.60003	11.06635	11.1	11	13.07256	13.3	12.9	44.05834	44.13884	43.94488	2.0062	2.2	1.89999	16.83255	0.04836	16.82277	220424954	4050325	83
08/25/2017 01:41:21	16.67387	16.69798	16.64948	730.60003	730.60003	730.60003	11.02285	11.1	10.8	13.03325	13.2	12.9	44.08935	44.16655	44.0003	2.01039	2.19999	1.8	16.91576	0	16.90611	220424954	4050325	83
08/25/2017 01:46:22	16.67402	16.69798	16.63784	730.60003	730.60003	730.60003	10.96809	11.1	10.8	13.1072	13.2	13	44.09669	44.19426	44.0003	2.1391	2.39999	1.9	16.99896	0.01731	16.98944	220424954	4050325	83
08/25/2017 01:51:21	16.67438	16.70963	16.6592	730.60003	730.60003	730.60003	10.92977	11.1	10.8	12.96879	13.2	12.8	44.12589	44.19426	44.05571	2.03902	2.19999	1.8	17.08217	0.02421	17.07277	220424954	4050325	83
08/25/2017 01:56:22	16.67367	16.69894	16.65242	730.60003	730.60003	730.60003	10.86053	11	10.8	12.75314	12.9	12.6	44.16882	44.27739	44.08343	1.8926	2.1	1.69999	17.16537	0.04146	17.15611	220424954	4050325	83
08/25/2017 02:01:21	16.67462	16.69894	16.6592	730.60003	730.60003	730.60003	10.8067	11	10.7	12.82821	12.9	12.6	44.16766	44.24967	44.11113	2.02151	2.1	1.69999	17.24858	0	17.23944	220424954	4050325	83
08/25/2017 02:06:22	16.67466	16.6941	16.65726	730.60003	730.60003	730.60003	10.72356	10.8	10.7	12.81654	13	12.6	44.16806	44.30509	44.11113	2.09298	2.3	1.9	17.33178	0.08293	17.32305	220424954	4050325	83
08/25/2017 02:11:22	16.67466	16.6941	16.65726	730.60003	730.60003	730.60003	10.72356	10.8	10.7	12.81654	13	12.6	44.16806	44.30509	44.11113	2.09298	2.1	1.69999	17.41498	0	17.40639	220424954	4050325	83
08/25/2017 02:16:22	16.67464	16.69214	16.65726	730.60003	730.60003	730.60003	10.70337	10.8	10.7	12.65679	12.8	12.4	44.24807	44.30509	44.16655	1.95342	2.1	1.69999	17.49819	0.02421	17.48944	220424954	4050325	83
08/25/2017 02:21:22	16.67474	16.69676	16.65022	730.50201	730.60003	730.5	10.65648	10.7	10.5	12.77059	12.8	12.7	44.26549	44.30509	44.16655	2.1141	2.3	2	17.58139	0	17.57305	220424954	4050325	83
08/25/2017 02:26:22	16.67569	16.7016	16.65992	730.54339	730.60003	730.5	10.58652	10.7	10.5	12.68942	12.8	12.6	44.27798	44.3328	44.22197	2.1029	2.3	2	17.6646	0.00947	17.65639	220424954	4050325	83
08/25/2017 02:31:22	16.67371	16.6948	16.65796	730.50402	730.60003	730.5	10.54302	10.7	10.5	12.59028	12.7	12.4	44.28369	44.38821	44.22197	2.04725	2.19999	1.8	17.7478	0.00701	17.73972	220424954	4050325	83
08/25/2017 02:36:21	16.67371	16.6948	16.65796	730.50402	730.60003	730.5	10.54302	10.7	10.5	12.59028	12.7	12.4	44.28369	44.38821	44.22197	2.04725	2.19999	1.8	17.831	0	17.82277	220424954	4050325	83
08/25/2017 02:41:21	16.67457	16.69282	16.64634	730.52099	730.60003	730.5	10.50268	10.6	10.5	12.43902	12.6	12.4	44.31504	44.41592	44.24967	1.93633	2.1	1.89999	17.91421	0.04142	17.90611	220424954	4050325	83
08/25/2017 02:46:22	16.6756	16.69214	16.65531	730.60003	730.60003	730.60003	10.48319	10.5	10.4	12.41344	12.6	12.4	44.35976	44.44363	44.27739	1.93025	2.1	1.89999	17.99741	0.0414	17.98972	220424954	4050325	83
08/25/2017 02:51:21	16.6756	16.69214	16.65531	730.60003	730.60003	730.60003	10.48319	10.5	10.4	12.41344	12.6	12.4	44.35976	44.44363	44.27739	1.93025	2.1	1.89999	18.08062	0.04141	18.07277	220424954	4050325	83
08/25/2017 02:56:22	16.67558	16.69016	16.66013	730.59906	730.60003	730.5	10.41007	10.5	10.4	12.34684	12.4	12.2	44.38983	44.47134	44.27739	1.93676	2	1.8	18.16383	0	18.15639	220424954	4050325	83
08/25/2017 03:01:22	16.67558	16.69016	16.66013	730.59906	730.60003	730.5	10.41007	10.5	10.4	12.34684	12.4	12.2	44.38983	44.47134	44.27739	1.93676	2	1.8	18.24703	0.08277	18.23944	220424954	4050325	83
08/25/2017 03:06:21	16.67447	16.69016	16.64852	730.60003	730.60003	730.60003	10.39329	10.4	10.2	12.32986	12.4	12.2	44.40028	44.52675	44.27739	1.93656	2.1	1.8	18.33024	0.00948	18.32277	220424954	4050325	83
08/25/2017 03:11:22	16.67642	16.6948	16.65334	730.59906	730.60003	730.5	10.26551	10.4	10.2	12.38822	12.7	12.2	44.47487	44.55446	44.38821	2.12271	2.4	1.8	18.41344	0	18.40639	220424954	4050325	83
08/25/2017 03:16:21	16.67642	16.6948	16.65334	730.59906	730.60003	730.5	10.26551	10.4	10.2	12.38822	12.7	12.2	44.47487	44.55446	44.38821	2.12271	2.4	1.8	18.49664	0.12428	18.48944	220424954	4050325	83
08/25/2017 03:21:22	16.67615	16.69214	16.65531	730.60003	730.60003	730.60003	10.21005	10.4	10.1	12.41341	12.6	12.3	44.48325	44.58217	44.41592	2.20335	2.4	1.9	18.57985	0.04142	18.57305	220424954	4050325	83
08/25/2017 03:26:21	16.67615	16.69214	16.65531	730.60003	730.60003	730.60003	10.21005	10.4	10.1	12.41341	12.6	12.3	44.48325	44.58217	44.41592	2.20335	2.4	1.9	18.66305	0.08283	18.65611	220424954	4050325	83
08/25/2017 03:31:21	16.67581	16.69763	16.65117	730.51648	730.60003	730.5	10.17307	10.2	10.1	12.32625	12.4	12.2	44.5388	44.63758	44.44363	2.15318	2.3	2	18.74625	0	18.73944	220424954	4050325	83
08/25/2017 03:36:21	16.67754	16.69082	16.65117	730.5	730.5	730.5	10.13628	10.2	10.1	12.21678	12.4	12.2	44.61111	44.72071	44.52675	2.08049	2.2	2	18.82945	0.02427	18.82277	220424954	4050325	83
08/25/2017 03:41:22	16.67598	16.70042	16.654	730.5	730.5	730.5	10.1	10.2	10	12.00983	12.1	11.8	44.7349	44.80384	44.63758	1.90982	2	1.7	18.91266	0.03413	18.90639	220424954	4050325	83
08/25/2017 03:46:22	16.67598	16.70042	16.654	730.5	730.5	730.5	10.1	10.2	10	12.00983	12.1	11.8	44.7349	44.80384	44.63758	1.90982	2	1.7	18.99587	0.08994	18.98972	220424954	4050325	83
08/25/2017 03:51:21	16.6753	16.70042	16.652	730.49694	730.5	730.40002	10.07643	10.1	10	11.96973	12.1	11.8	44.74716	44.83154	44.66529	1.8933	2	1.7	19.07909	0.08987	19.07277	220424954	4050325	83
08/25/2017 03:56:22	16.67595	16.70723	16.6608	730.5	730.5	730.5	10.03678	10.1	10	12.10423	12.2	11.8	44.74169	44.80384	44.66529	2.06745	2.19999	1.8	19.16231	0.05846	19.15639	220424954	4050325	83
08/25/2017 04:01:22	16.67595	16.70723	16.6608	730.5	730.5	730.5	10.03678	10.1	10	12.10423	12.2	11.8	44.74169	44.80384	44.66529	2.06745	2.19999	1.8	19.24552	0.08987	19.23944	220424954	4050325	83
08/25/2017 04:06:21	16.67588	16.70308	16.6492	730.46588	730.5	730.40002	10.00604	10.1	10	11.93245	12.1	11.8	44.75265	44.83154	44.66529	1.9264	2.1	1.7	19.32875	0.00947	19.32277	220424954	4050325	83
08/25/2017 04:11:22	16.67686	16.70308	16.64306	730.40509	730.5	730.40002	9.98315	10	9.9	11.95606	12.1	11.8	44.83723	44.99779	44.74842	1.9729	2.1	1.8	19.41195	0.08278	19.40639	220424954	4050325	83
08/25/2017 04:16:21	16.67686	16.70308	16.64306	730.40509	730.5	730.40002	9.98315	10	9.9	11.95606	12.1	11.8	44.83723	44.99779	44.74842	1.9729	2.1	1.8	19.49516	0	19.48944	220424954	4050325	83
08/25/2017 04:21:22	16.67399	16.69829	16.65599	730.40405	730.5	730.40002	9.94036	10	9.9	12.17038	12.4	12	44.82856	45.08091	44.72071	2.23001	2.5	2	19.57836	0.03192	19.57305	220424954	4050325	83

08/25/2017 04:26:21	16.67399	16.69829	16.65599	730.40405	730.5	730.40002	9.94036	10	9.9	12.17038	12.4	12	44.82856	45.08091	44.72071	2.23001	2.3	2	19.66156	0.01714	19.65639	220424954	4050325	83
08/25/2017 04:31:21	16.67425	16.69829	16.65185	730.40643	730.5	730.40002	9.92017	10	9.9	12.08271	12.2	12	44.82466	44.99779	44.72071	2.16254	2.3	2	19.74477	0.04137	19.73944	220424954	4050325	83
08/25/2017 04:36:21	16.67755	16.70042	16.652	730.46032	730.5	730.40002	9.87982	9.9	9.8	11.97313	12.1	11.8	44.90104	45.0532	44.77613	2.09331	2.2	1.9	19.82798	0.08274	19.82277	220424954	4050325	83
08/25/2017 04:41:21	16.67679	16.69147	16.65666	730.44574	730.5	730.40002	9.8731	10	9.8	11.94753	12	11.8	44.97816	45.10862	44.85925	2.07442	2.19999	1.8	19.91118	0.05803	19.90611	220424954	4050325	83
08/25/2017 04:46:21	16.67747	16.70308	16.652	730.41314	730.5	730.40002	9.85649	9.9	9.8	11.92069	12	11.8	45.01423	45.08091	44.85925	2.0642	2.19999	1.9	19.99439	0	19.98944	220424954	4050325	83
08/25/2017 04:51:22	16.67629	16.70042	16.652	730.49261	730.5	730.40002	9.80379	9.9	9.6	11.80535	12	11.7	45.03374	45.10862	44.91467	2.00155	2.2	1.89999	20.07759	0.02428	20.07305	220424954	4050325	83
08/25/2017 04:56:21	16.67629	16.70042	16.652	730.49261	730.5	730.40002	9.80379	9.9	9.6	11.80535	12	11.7	45.03374	45.10862	44.91467	2.00155	2.2	1.89999	20.1608	0.04136	20.15611	220424954	4050325	83
08/25/2017 05:01:22	16.67732	16.68944	16.65944	730.40002	730.40002	730.40002	9.77984	9.8	9.6	11.78321	11.8	11.7	45.07884	45.13633	45.0255	2.00337	2.2	1.89999	20.244	0	20.23972	220424954	4050325	83
08/25/2017 05:06:21	16.67732	16.68944	16.65944	730.40002	730.40002	730.40002	9.77984	9.8	9.6	11.78321	11.8	11.7	45.07884	45.13633	45.0255	2.00337	2.2	1.89999	20.32722	0.04856	20.32277	220424954	4050325	83
08/25/2017 05:11:21	16.67726	16.70308	16.65465	730.40002	730.40002	730.40002	9.7677	9.8	9.6	11.83697	12	11.7	45.11125	45.21946	44.99779	2.06927	2.2	2	20.41042	0.04138	20.40611	220424954	4050325	83
08/25/2017 05:16:21	16.67762	16.70308	16.64505	730.40002	730.40002	730.40002	9.73952	9.8	9.6	12.00134	12.1	11.8	45.13539	45.24716	45.0532	2.26181	2.5	2	20.49364	0.04135	20.48944	220424954	4050325	83
08/25/2017 05:21:21	16.67854	16.70308	16.65666	730.43029	730.5	730.40002	9.74619	9.8	9.6	11.98319	12.1	11.8	45.10752	45.21946	45.0255	2.23699	2.5	2	20.57684	0.04856	20.57277	220424954	4050325	83
08/25/2017 05:26:22	16.67674	16.70308	16.654	730.44757	730.5	730.40002	9.64036	9.8	9.6	11.88562	12.1	11.8	45.08667	45.19175	45.0255	2.24526	2.5	2	20.66005	0.04135	20.65639	220424954	4050325	83
08/25/2017 05:31:22	16.67548	16.70723	16.6404	730.49261	730.5	730.40002	9.66591	9.8	9.6	11.98658	12.2	11.8	45.09608	45.16404	45.0255	2.32067	2.6	2	20.74327	0.02471	20.73972	220424954	4050325	83
08/25/2017 05:36:21	16.67548	16.70723	16.6404	730.49261	730.5	730.40002	9.66591	9.8	9.6	11.98658	12.2	11.8	45.09608	45.16404	45.0255	2.32067	2.6	2	20.82648	0.03422	20.82277	220424954	4050325	83
08/25/2017 05:41:21	16.67606	16.70042	16.654	730.48858	730.5	730.40002	9.64705	9.8	9.6	11.93274	12.1	11.8	45.13758	45.21946	45.0532	2.28569	2.5	2	20.90969	0	20.90611	220424954	4050325	83
08/25/2017 05:46:21	16.67679	16.70308	16.654	730.49798	730.5	730.40002	9.66726	9.8	9.6	11.99998	12.1	11.8	45.13779	45.21946	45.0532	2.33271	2.5	2.19999	20.99289	0.00946	20.98944	220424954	4050325	83
08/25/2017 05:51:21	16.67529	16.69422	16.65679	730.46594	730.5	730.40002	9.61301	9.8	9.6	11.70857	12	11.5	45.12992	45.21946	45.0255	2.09555	2.4	1.69999	21.0761	0	21.07277	220424954	4050325	83
08/25/2017 05:56:21	16.67518	16.70042	16.66157	730.49664	730.5	730.40002	9.61347	9.8	9.6	11.71003	12	11.6	45.11602	45.21946	44.99779	2.09656	2.4	1.8	21.1593	0.04133	21.15611	220424954	4050325	83
08/25/2017 06:01:21	16.67462	16.69838	16.65679	730.5	730.5	730.5	9.57689	9.6	9.4	11.62307	11.8	11.5	45.087	45.16404	44.99779	2.04617	2.2	1.9	21.2425	0.04131	21.23972	220424954	4050325	83
08/25/2017 06:06:21	16.67462	16.69838	16.65679	730.5	730.5	730.5	9.57689	9.6	9.4	11.62307	11.8	11.5	45.087	45.16404	44.99779	2.04617	2.2	1.9	21.32571	0	21.32277	220424954	4050325	83
08/25/2017 06:11:21	16.67721	16.70109	16.65475	730.5	730.5	730.5	9.51924	9.6	9.4	11.51008	11.6	11.5	45.11417	45.19175	45.0255	1.99084	2.2	1.9	21.40892	0.03418	21.40611	220424954	4050325	83
08/25/2017 06:16:21	16.67483	16.69838	16.652	730.5	730.5	730.5	9.49618	9.6	9.4	11.65961	12	11.5	45.13006	45.21946	45.0532	2.16343	2.6	2	21.49212	0.01713	21.48944	220424954	4050325	83
08/25/2017 06:21:22	16.67634	16.69763	16.65531	730.52301	730.60003	730.5	9.42016	9.5	9.4	12.39733	12.6	12.2	45.20203	45.33028	45.08091	2.97716	3.2	2.8	21.57533	0.04846	21.57305	220424954	4050325	83
08/25/2017 06:26:21	16.67456	16.69894	16.65726	730.60003	730.60003	730.60003	9.47689	9.6	9.4	12.61299	12.8	12.4	45.19705	45.27487	45.10862	3.1361	3.3	2.89999	21.65853	0.04146	21.65639	220424954	4050325	83
08/25/2017 06:31:21	16.67456	16.69894	16.65726	730.60003	730.60003	730.60003	9.47689	9.6	9.4	12.61299	12.8	12.4	45.19705	45.27487	45.10862	3.1361	3.3	2.89999	21.74173	0	21.73944	220424954	4050325	83
08/25/2017 06:36:21	16.67564	16.6941	16.65655	730.62426	730.70001	730.60003	9.66006	9.8	9.6	12.76346	12.9	12.6	45.08404	45.19175	44.99779	3.1034	3.3	2.8	21.82495	0.04142	21.82277	220424954	4050325	83
08/25/2017 06:41:21	16.67589	16.70377	16.65531	730.60003	730.60003	730.60003	9.79975	9.9	9.6	12.48951	12.6	12.3	45.05864	45.13633	44.97008	2.68976	2.89999	2.5	21.90815	0.06567	21.90639	220424954	4050325	83
08/25/2017 06:46:21	16.67633	16.69214	16.65531	730.60003	730.60003	730.60003	9.81683	9.9	9.8	12.5004	12.7	12.4	45.07713	45.21946	44.99779	2.68356	2.89999	2.5	21.99136	0	21.98944	220424954	4050325	83
08/25/2017 06:51:21	16.67608	16.69016	16.65266	730.61517	730.70001	730.60003	9.85717	10	9.8	12.56612	12.7	12.4	45.06685	45.16404	44.97008	2.70894	2.7	2.39999	22.07456	0.08282	22.07305	220424954	4050325	83
08/25/2017 06:56:21	16.67608	16.69016	16.65266	730.61517	730.70001	730.60003	9.90402	10	9.8	12.40671	12.6	12.4	45.07346	45.19175	44.99779	2.50268	2.7	2.3	22.15777	0.06564	22.15611	220424954	4050325	83
08/25/2017 07:01:21	16.67566	16.7011	16.65266	730.6535	730.70001	730.60003	9.9168	10	9.8	12.42714	12.6	12.3	45.17294	45.21946	45.08091	2.51034	2.7	2.3	22.24097	0.05859	22.23944	220424954	4050325	83
08/25/2017 07:06:21	16.67458	16.6875	16.65069	730.69867	730.70001	730.60003	9.96658	10	9.9	12.22974	12.4	12.2	45.14922	45.24716	44.99779	2.26316	2.6	2.39999	22.32419	0.13127	22.32305	220424954	4050325	83
08/25/2017 07:11:22	16.67667	16.7011	16.65461	730.70001	730.70001	730.70001	9.98319	10	9.9	12.61662	12.7	12.4	45.1373	45.21946	44.99779	2.63343	2.8	2.39999	22.40739	0	22.40639	220424954	4050325	83
08/25/2017 07:16:21	16.67479	16.69628	16.66162	730.77746	730.79998	730.70001	9.99326	10	9.9	12.55337	12.7	12.4	45.11531	45.19175	44.97008	2.5601	2.8	2.39999	22.4906	0.0414	22.48972	220424954	4050325	83
08/25/2017 07:21:21	16.67479	16.69628	16.66162	730.77746	730.79998	730.70001	9.99326	10	9.9	12.55337	12.7	12.4	45.11531	45.19175	44.97008	2.5601	2.8	2.39999	22.5738	0.06564	22.57277	220424954	4050325	83
08/25/2017 07:26:21	16.67427	16.69646	16.65483	730.79998	730.79998	730.79998	10.00671	10.1	10	12.29623	12.4	12.1	45.118	45.19175	44.97008	2.28951	2.39999	2.1	22.657	0	22.65611	220424954	4050325	83
08/25/2017 07:31:21	16.67376	16.6918	16.65698	730.86737	730.90002	730.79998	10.03337	10.1	10	12.35018	12.4	12.2	45.06067	45.16404	44.97008	2.3168	2.39999	2.1	22.74021	0.0414	22.73972	220424954	4050325	83
08/25/2017 07:36:21	16.67376	16.6918	16.65698	730.86737	730.90002	730.79998	10.03337	10.1	10	12.35018	12.4	12.2	45.06067	45.16404	44.97008	2.3168	2.39999	2.1	22.82341	0.04146	22.82277	220424954	4050325	83
08/25/2017 07:41:22	16.67522	16.69776	16.65124	730.90002	730.90002	730.90002	10.07644	10.1	10	12.85333	13	12.8	44.99761	45.16404	44.80384	2.77688	3	2.7	22.90661	0.01731	22.90639	220424954	4050325	83
08/25/2017 07:46:21	16.67522	16.69776	16.65124	730.90002	730.90002	730.90002	10.07644	10.1	10	12.85333	13	12.8	44.99761	45.16404	44.80384	2.77688	3	2.7	22.98982	0.02414	22.98944	220424954	4050325	83
08/25/2017 07:51:21	16.67544	16.70165	16.65242	731.00952	731.10003	730.90002	10.1699	10.4	10.1	13.45286	13.6	13	44.93407	45.13633	44.63758	3.28296	3.2	3	23.07302	0	23.07305	220424954	4050325	83
08/25/2017 07:56:21	16.67547	16.69604	16.65353	731.05969	731.10003	731	10.46365	10.5	10.4	13.55696	13.6	13.5	44.75108	44.88695	44.60987	3.09331	3.2	3	23.15623	0	23.15611	220424954	4050325	83
08/25/2017 08:01:21	16.67514	16.69774	16.65095	731.07983	731.20001	731	10.67755	10.8	10.5	13.84428	14.1	13.6	44.75739	44.91467	44.63758	3.16673	3.9	3.19999	23.23943	0.04805	23.23972	220424954	4050325	83
08/25/2017 08:06:21	16.67514	16.69774	16.65095	731.10913	731.20001	731.10003	10.97751	11.1	10.8	14.49851	15	14.1	44.69889	44.80384	44.58217	3.521	3.9	3.19999	23.32263	0	23.32277	220424954	4050325	83
08/25/2017 08:11:21	16.67482	16.69013	16.65999	731.17651	731.20001	731.10003	11.35715	11.6	11.1	14.80024	15	14.6	44.75411	44.85925	44.693	3.44309	3.8	3.1	23.40584	0	23.40611	220424954	4050325	83
08/25/2017 08:16:21	16.67639	16.69369	16.65768	731.15185	731.20001	731.10003	11.74656	11.9	11.6	14.84403	15.1	14.7	44.76158	44.85925	44.693	3.09747	3.5	2.8	23.48904	0.04179	23.48944	220424954	4050325	83
08/25/2017 08:21:21	16.67678	16.69954	16.65005	731.14715	731.20001	731.10003	11.96042	12.2	11.8	14.88754	15.2	14.7	44.90528	45.0532	44.72071	2.92712	3.19999	2.8	23.57225	0	23.57277	220424954	4050325	83
08/25/2017 08:26:21	16.6755	16.7037	16.65501	731.38794	731.40002	731.29998	12.73854	13	12.4	16.0356	16.3	15.6	44.6127	44.693	44.52675	3.29706	3.69999	3	23.65546	0.01444	23.65639	220424954	4050325	83
08/25/2017 08:31:21	16.67567	16.70031	16.6516	731.3811	731.5	731.29998	13.12409	13.4	12.9	16.33362	16.5	16.2	44.62267	44.693	44.55446	3.20953	3.4	2.89999	23.73867	0.10778	23.73972	220424954	4050325	83
08/25/2017 08:36:21	16.67567	16.70031	16.6516	731.3811	731.5	731.29998	13.12409	13.4	12.9	16.33362	16.5	16.2	44.62267	44.693	44.55446	3.20953	3.4	2.89999	23.82187	0.0478	23.82277	220424954	4050325	83
08/25/2017 08:41:21	16.67628	16.69626	16.6516	731.39801	731.40002	731.29998	13.52034	13.7	13.4	16.38363	16.5	16.3	44.65048	44.77613	44.58217	2.86328	3.09999	2.3	23.90507	0.01442	23.90639	220424954	4050325	83
08/25/2017 08:46:21	16.67506	16.69766	16.65058	731.43103	731.5	731.40002	13.82372	14.1	13.7	16.48763	16.8	16.3	44.67856	44.74842	44.58217	2.66391	3.09999	2.3	23.98828	0.042	23.98972	220424954	4050325	83

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	1	
Source	D 12000	
Sampling Method	Event Bit	
Device	M 972	
	VRL3-PM2.5	

Date and Time	Qvol Avg	Qvol max	Qvol min	Pa Avg	Pa Max	Pa Min	Tfilter Avg	Tfilter Max	Tfilter Min	Tamb Avg	Tamb Max	Tamb Min	Press Avg	Press Max	Press Min	Tvar Avg	Tvar Max	Tvar Min	Flow Total	Flow CV	Sample Time	Filter ID	Site ID	Unit S/N
08/21/2017 17:14:18	16.67449	16.70292	16.64696	758.84253	759.70001	758.5	21.83026	21.9	21.7	20.61071	20.9	20.3	16.2094	16.40313	15.93209	1.21955	1.5	0.9	24.02707	0	24.00027	220297457	30304010	86
08/21/2017 17:19:18	0	0	0	734.82751	734.89996	734.70001	28.67249	28.8	28.5	25.78721	26.2	25.4	16.70774	16.81875	16.59709	2.88528	3.3	2.4	24.02707	0	24.00027	220297457	30304010	86
08/21/2017 17:24:18	0	0	0	734.96276	735	734.89996	28.45302	28.5	28.3	25.84424	26.2	25.6	16.6578	16.70792	16.59709	2.60878	2.9	2.1	24.02707	0	24.00027	220297457	30304010	86
08/21/2017 17:29:18	0	0	0	734.96276	735	734.89996	28.45302	28.5	28.3	25.84424	26.2	25.6	16.6578	16.70792	16.59709	2.60878	2.9	2.1	24.02707	0	24.00027	220297457	30304010	86
08/21/2017 17:34:18	0	0	0	735.07556	735.20001	735	28.31998	28.5	28.2	25.84121	26.2	25.6	136.41551	233.35676	16.6525	2.47877	2.8	2.1	24.02707	0	24.00027	220297457	30304010	86
08/21/2017 17:39:18	6.58707	18.31303	0	732.91711	735.20001	729.89996	26.92419	28.2	25.59999	25.79373	26.2	25.5	21.73602	31.72566	16.81875	1.30224	2.5	0	24.02806	60.48523	24.00027	220297457	30304010	86
08/21/2017 17:44:18	0	0	0	729.98791	730	729.89996	25.58322	25.69999	25.49999	25.94625	26.3	25.2	16.81979	19.00768	16.68021	0.45704	0.7	0	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 17:49:18	0	0	0	730.00201	730.09997	730	25.51609	25.59999	25.3	25.44834	25.8	25.1	16.88681	16.985	16.76334	0.21408	0.49999	0	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 17:54:18	0	0	0	730.00201	730.09997	730	25.51609	25.59999	25.3	25.44834	25.8	25.1	16.88681	16.985	16.76334	0.21408	0.49999	0	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 17:59:18	0	0	0	730.01239	730.09997	730	25.45236	25.59999	25.3	24.94497	25.3	24.7	16.9955	17.04042	16.90188	0.50738	0.8	0.19999	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:04:18	0	0	0	730.0758	730.09997	730	25.25638	25.3	25.19999	24.87585	25.1	24.7	17.03847	17.06812	17.01271	0.38053	0.59999	0.09999	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:09:18	0	0	0	730.0805	730.09997	730	25.11275	25.19999	24.99999	24.55035	25	24.1	17.09118	17.17896	17.01271	0.56239	0.79999	0.29999	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:14:18	0	0	0	730.01477	730.09997	729.89996	24.96981	25.09999	24.89999	24.4148	24.7	24.2	17.11748	17.20666	17.04042	0.55501	0.79999	0.29999	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:19:18	0	0	0	729.93621	730	729.89996	24.71549	24.89999	24.49999	24.0591	24.2	23.9	17.15971	17.20666	17.06812	0.65639	0.99999	0.49999	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:24:18	0	0	0	729.90936	730	729.79998	24.47921	24.59999	24.3	23.84965	24.1	23.6	17.19764	17.23437	17.15125	0.62955	0.89999	0.39999	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:29:18	0	0	0	730.01544	730.09997	730	24.28595	24.39999	24.09999	23.74969	23.9	23.5	17.07138	17.20666	16.92958	0.53625	0.8	0.3	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:34:18	0	0	0	730.09497	730.09997	730	23.98658	24.09999	23.89999	23.56713	23.8	23.4	16.97599	17.06812	16.90188	0.41945	0.59999	0.09999	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:39:18	0	0	0	730.02484	730.09997	729.89996	23.8463	23.89999	23.69999	23.4906	23.6	23.3	17.02311	17.12354	16.92958	0.3557	0.59999	0.09999	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:44:18	0	0	0	729.89898	730	729.79998	23.57252	23.8	23.39999	23.36644	23.6	23.2	17.0963	17.20666	16.95729	0.20607	0.49999	0	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:49:18	0	0	0	729.94995	730.09997	729.89996	23.34964	23.49999	23.19999	23.29597	23.5	23.2	16.94419	17.04042	16.90188	0.07382	0.19999	0	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:54:18	0	0	0	730.099	730.09997	730	23.20941	23.3	22.89999	23.096	23.3	22.9	16.89603	16.92958	16.84646	0.14023	0.4	0	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 18:59:18	0	0	0	730.08691	730.09997	730	22.98855	23.19999	22.8	22.92146	23.2	22.7	16.90634	16.95729	16.84646	0.10068	0.3	0	24.02806	0	24.00027	220297457	30304010	86
08/21/2017 19:04:18	0	0	0	730.16272	730.19995	730.09997	22.82281	22.89999	22.8	22.694	22.8	22.6	16.87705	16.95729	16.79104	0.1288	0.29999	0	24.02806	0	24.00027	220424905	4030125	86
08/21/2017 19:09:18	0	0	0	730.19995	730.19995	730.19995	22.65745	22.8	22.49999	22.62655	22.7	22.4	16.75179	16.87417	16.6525	0.07027	0.3	0	0.07067	0.04264	0.07166	220424905	4030125	86
08/21/2017 19:14:18	13.90241	16.70051	0	730.14465	730.19995	730	22.2334	22.49999	21.99999	22.43916	22.7	22.3	33.6469	37.18412	16.70792	0.20575	0.5	0	0.15405	0	0.155	220424905	4030125	86
08/21/2017 19:19:18	16.67578	16.69815	16.64989	730.06372	730.09997	730	21.95567	22.09999	21.69999	22.33619	22.6	22.2	37.13086	37.26725	37.0733	0.38052	0.6	0.2	0.23743	0	0.23833	220424905	4030125	86
08/21/2017 19:24:18	16.67615	16.69469	16.65705	730.07049	730.09997	730	21.7181	21.99999	21.59999	22.22014	22.3	22.2	37.21181	37.4058	37.04559	0.50203	0.6	0.2	0.32081	0.00872	0.32166	220424905	4030125	86
08/21/2017 19:29:18	16.67491	16.69949	16.64679	729.9812	730.19995	729.89996	21.51608	21.59999	21.39999	22.1457	22.3	21.8	37.34559	37.48892	37.18412	0.62962	0.9	0.2	0.40419	0.03781	0.405	220424905	4030125	86
08/21/2017 19:34:18	16.6741	16.69271	16.648	730.25634	730.29998	730.19995	21.09535	21.3	20.99999	21.93571	22.1	21.7	37.26764	37.37809	37.101	0.84036	1.1	0.5	0.48756	0.03776	0.48861	220424905	4030125	86
08/21/2017 19:39:18	16.6741	16.69271	16.648	730.25634	730.29998	730.19995	21.09535	21.3	20.99999	21.93571	22.1	21.7	37.26764	37.37809	37.101	0.84036	1.1	0.5	0.57093	0.01237	0.57166	220424905	4030125	86
08/21/2017 19:44:18	16.67412	16.69506	16.65513	730.14495	730.19995	730	20.96578	21.09999	20.89999	21.76979	22.1	21.6	37.43432	37.57205	37.32267	0.80401	0.9	0.6	0.65431	0.03772	0.655	220424905	4030125	86
08/21/2017 19:49:18	16.67571	16.69159	16.654	729.98687	730.09997	729.89996	20.87917	20.99999	20.8	21.5866	21.7	21.5	37.5273	37.62745	37.4335	0.70743	0.9	0.6	0.73768	0.03773	0.73833	220424905	4030125	86
08/21/2017 19:54:18	16.67477	16.69053	16.66144	730.07013	730.19995	729.89996	20.63956	20.69999	20.49999	21.14099	21.5	20.9	37.59223	37.73828	37.46121	0.50142	0.8	0.2	0.82106	0	0.82194	220424905	4030125	86
08/21/2017 19:59:18	16.67477	16.69053	16.66144	730.07013	730.19995	729.89996	20.63956	20.69999	20.49999	21.14099	21.5	20.9	37.59223	37.73828	37.46121	0.50142	0.8	0.2	0.90443	0	0.905	220424905	4030125	86
08/21/2017 20:04:18	16.67528	16.69423	16.66144	730.20092	730.29998	730.19995	20.41679	20.69999	20.3	20.99667	21.1	20.8	37.51728	37.59975	37.4058	0.57988	0.8	0.3	0.98781	0.02917	0.98833	220424905	4030125	86
08/21/2017 20:09:18	16.67284	16.70254	16.64865	730	730	730	20.20334	20.3	20.09999	20.72954	20.9	20.5	37.6004	37.68287	37.51663	0.52619	0.7	0.3	1.07117	0.03762	1.07194	220424905	4030125	86
08/21/2017 20:14:18	16.67284	16.70254	16.64865	730	730	730	20.20334	20.3	20.09999	20.72954	20.9	20.5	37.6004	37.68287	37.51663	0.52619	0.7	0.3	1.15455	0.0376	1.155	220424905	4030125	86
08/21/2017 20:19:18	16.67385	16.69556	16.64989	730.05267	730.09997	730	19.96375	20.19999	19.8	20.4188	20.6	20.3	37.58505	37.71058	37.4335	0.45505	0.7	0.2	1.23792	0	1.23833	220424905	4030125	86
08/21/2017 20:24:18	16.67434	16.69909	16.65694	730.0567	730.09997	730	19.76977	19.89999	19.59999	20.22278	20.3	20	37.5184	37.65517	37.4058	0.453	0.6	0.3	1.3213	0.02087	1.32166	220424905	4030125	86
08/21/2017 20:29:18	16.67581	16.6897	16.64993	730.17712	730.29998	730.09997	19.64635	19.69999	19.49999	19.86981	20	19.7	37.53103	37.68287	37.37809	0.22346	0.3	0.1	1.40468	0.03748	1.405	220424905	4030125	86
08/21/2017 20:34:18	16.67765	16.68845	16.65571	730.30401	730.39996	730.29998	19.2396	19.3	19.09999	19.5678	19.6	19.4	37.52695	37.68287	37.4058	0.3282	0.5	0.1	1.48807	0.03748	1.48861	220424905	4030125	86
08/21/2017 20:39:18	16.67765	16.68845	16.65571	730.30401	730.39996	730.29998	19.2396	19.3	19.09999	19.5678	19.6	19.4	37.52695	37.68287	37.4058	0.3282	0.4	0	1.57143	0.00836	1.57166	220424905	4030125	86
08/21/2017 20:44:18	16.67434	16.69538	16.66265	730.35968	730.39996	730.29998	19.0598	19.19999	18.89999	19.26917	19.4	19.2	37.50174	37.62745	37.4058	0.20936	0.4	0	1.65481	0.07481	1.655	220424905	4030125	86
08/21/2017 20:49:18	16.67534	16.69876	16.64968	730.39996	730.39996	730.39996	18.6349	18.89999	18.49999	19.04295	19.1	18.8	37.54404	37.65517	37.46121	0.40804	0.5	0.2	1.7382	0	1.73861	220424905	4030125	86
08/21/2017 20:54:18	16.67534	16.69876	16.64968	730.39996	730.39996	730.39996	18.6349	18.89999	18.49999	19.04295	19.1	18.8	37.54404	37.65517	37.46121	0.40804	0.6	0.2	1.82157	0.07472	1.82194	220424905	4030125	86
08/21/2017 20:59:18	16.67352	16.69876	16.64968	730.3493	730.39996	730.29998	18.43625	18.59999	18.3	18.80472	19.1	18.7	37.60745	37.73828	37.46121	0.36847	0.6	0.2	1.90493	0.03737	1.905	220424905	4030125	86
08/21/2017 21:04:18	16.67323	16.69856	16.65077	730.29998	730.29998	730.29998	18.2765	18.39999	18.09999	18.64227	18.8	18.6	37.65583	37.73828	37.57205	0.36576	0.5	0.2	1.98829	0.03734	1.98833	220424905	4030125	86
08/21/2017 21:09:18	16.67301	16.68219	16.66124	730.30835	730.39996	730.29998	18.00944	18.3	17.89999	18.59665	18.7	18.5	37.68454	37.7937	37.57205	0.58721	0.7	0.5	2.07167	0	2.07166	220424905	4030125	86
08/21/2017 21:14:18	16.67464	16.69491	16.65632	730.39996	730.39996	730.39996	17.73962	17.8	17.49999	18.45303	18.5	18.2	37.63128	37.68287	37.54433	0.71341	1	0.5	2.15504	0	2.15527	220424905	4030125	86
08/21/2017 21:19:18	16.67464	16.69491	16.65632	730.39996	730.39996	730.39996	17.73962	17.8	17.49999	18.45303	18.5	18.2	37.63128	37.68287	37.54433	0.71341	1	0.6	2.23842	0.05831	2.23833	220424905	4030125	86
08/21/2017 21:24:18	16.67554	16.69491	16.65632	730.40399	730.5	730.39996	17.51541	17.69999	17.39999	18.292	18.5	18.1	37.67765	37.7937	37.54433	0.77658	1	0.6	2.32179	0.00836	2.32166	220424905	4030125	86
08/21/2017 21:29:18	16.67265	16.69548	16.65235	730.38183	730.39996	730.29998	17.27313	17.39999	17.19999	17.83622	17.9	17.6	37.74796	37.84912	37.62745	0.56309	0.6	0.4	2.40515	0.07931	2.40527	220424905	4030125	86
08/21/2017 21:34:18	16.67465	16.69411	16.66279	730.39996	730.39996	730.39996	17.10942	17.19999	16.89999	17.70607	17.8	17.6	37.78609	37.84912	37.68287	0.59664	0.9	0.4	2.48852	0.04205	2.48861	220424905	4030125	86
08/21/2017 21:39:18	16.67465	16.69411	16.66279	730.39996	730.39996	730.39996	17.10942	17.19999	16.89999	17.70607	17.8	17.6	37.78609	37.84912	37.68287	0.59664	0.9	0.4	2.57188	0.07093	2.57166	220424905	4030125	86
08/21/2017 21:44:18	16.6736	16.69548	16.65235	730.4469	730.59997	730.29998	16.89869	17.09999	16.8	17.543	17.8	17.3	37.7858	37.84912	37.71058	0.64431	0.9	0.4	2.65527	0.02878	2.655	220424905	4030125	86
08/21/2017 21:49:18	16.67514	16.69019	16.65658	730.80908	730.89996	730.69995	16.63288	16.69999	16.49999	17.23288	17.3	17.2	37.73736	37.82141	37.65517	0.59999	0.7	0.5	2.73866	0.0743	2.73861	220424905	4030125	86
08/21/2017 21:54:18	16.67514	16.69019	16.65658	730.80908	730.89996	730.69995	16.63288	16.69999	16.49999	17.23288	17.3	17.2	37.73736	37.82141	37.65517	0.59999	0.7	0.5	2.82202	0.0455	2.82166	220424905	4030125	86
08/21/2017 21:59:18	16.67277	16.69471	16.65164	730.76574	730.89996	730.59997	16.46576	16.59999	16.3	17.10943	17.3	16.9	37.75958	37.87683	37.62745	0.64367	0.9	0.4	2.90538	0.04551	2.905	220424905	4030125	86
08/21/2017 22:04:18	16.67401	16.68951	16.65023	730.83331	731	730.5	16.28659	16.49999	16.19999	16.86647	16.9	16.8	37.82483	37.93225	37.68287	0.57987	0.7	0.4	2.98875	0.07418	2.98833	220424905	4030125	86
08/21/2017 22:09:18	16.67482	16.69634	16.65687	730.77111	730.89996	730.59997	16.12889	16.3	15.89999	16.75973	16.9	16.6	37.84512	37.98766	37.71058	0.63084	0.8	0.5	3.07213	0.01597	3.07166	220424905	4030125	86
08/21/2017 22:14:18	16.67456	16.69399	16.66044	730.82147	730.89996	730.69995	15.97987	16.19999	15.89999	16.67987	16.8	16.6	37.84033	37.98766	37.73828	0.7	0.8	0.6	3.15549	0.01273	3.155	220424905	4030125	86
08/21/2017 22:19:18	16.67473	16.69164	16.65309	730.90301	731	730.79998	15.86638	15.99999	15.69999	16.61005	16.7	16.4	37.83031	37.95996	37.73828	0.74367	1	0.5	3.23885	0	3.23861	220424905	4030125	86
08/21/2017 22:24:18	16.67339	16.69612	16.66113	730.99902	731.09997	730.89996	15.57311	15.69999	15.39999	16.56783	16.6	16.4	37.84387	37.93225	37.71058	0.99472	1.2	0.8	3.3222	0	3.32194	220424905	4030125	86

08/21/2017 22:29:18	16.67339	16.69612	16.66113	730.99902	731.09997	730.89996	15.57311	15.69999	15.39999	16.56783	16.6	16.4	37.84387	37.93225	37.71058	0.99472	1.2	0.8	3.40555	0	3.40527	220424905	4030125	86
08/21/2017 22:34:18	16.67241	16.68337	16.65075	731	731	731	15.45575	15.59999	15.3	16.51281	16.6	16.4	37.86093	37.95996	37.766	1.05705	1.2	0.8	3.4889	0.00836	3.48833	220424905	4030125	86
08/21/2017 22:39:18	16.67204	16.68337	16.65075	731.01641	731.09997	731	15.36648	15.39999	15.3	16.52947	16.7	16.4	37.82356	37.93225	37.71058	1.16299	1.4	1	3.57226	0.02109	3.57166	220424905	4030125	86
08/21/2017 22:44:18	16.67174	16.69142	16.6484	731.09997	731.09997	731.09997	15.27321	15.39999	14.99999	16.60337	16.7	16.4	37.78664	37.87683	37.71058	1.33015	1.8	1.3	3.65561	0.0371	3.65527	220424905	4030125	86
08/21/2017 22:49:18	16.67251	16.69287	16.66023	731.08789	731.09997	731	15.1168	15.3	14.99999	16.64355	16.8	16.6	37.79973	37.87683	37.71058	1.52674	1.8	1.3	3.73899	0.01604	3.73833	220424905	4030125	86
08/21/2017 22:54:18	16.67376	16.70304	16.65544	731.10601	731.19995	731.09997	14.9671	14.99999	14.89999	17.4047	17.5	17.2	37.72059	37.82141	37.59975	2.43759	2.6	2.3	3.82236	0.0743	3.82194	220424905	4030125	86
08/21/2017 22:59:18	16.67376	16.70304	16.65544	731.10601	731.19995	731.09997	14.9671	14.99999	14.89999	17.4047	17.5	17.2	37.72059	37.82141	37.59975	2.43759	2.6	2.3	3.90573	0.03721	3.905	220424905	4030125	86
08/21/2017 23:04:18	16.67521	16.69497	16.65915	731.00537	731.09997	731	14.98993	15.09999	14.89999	17.55029	17.8	17.5	37.79567	37.90454	37.71058	2.56036	2.8	2.4	3.98911	0.03717	3.98861	220424905	4030125	86
08/21/2017 23:09:18	16.67521	16.69497	16.65915	731.00537	731.09997	731	14.98993	15.09999	14.89999	17.55029	17.8	17.5	37.79567	37.90454	37.71058	2.56036	2.8	2.4	4.07248	0.07435	4.07166	220424905	4030125	86
08/21/2017 23:14:18	16.67457	16.70087	16.65326	731.02954	731.09997	731	15.02351	15.3	14.99999	17.55969	17.8	17.5	37.83696	37.93225	37.73828	2.53618	2.8	2.2	4.15584	0.02105	4.155	220424905	4030125	86
08/21/2017 23:19:18	16.67572	16.69991	16.64502	731.10601	731.19995	731.09997	15.13086	15.3	14.99999	17.47318	17.6	17.3	37.84071	37.95996	37.73828	2.34231	2.5	2	4.23921	0.03718	4.23861	220424905	4030125	86
08/21/2017 23:24:18	16.67572	16.69991	16.64502	731.10601	731.19995	731.09997	15.23759	15.3	14.99999	17.54698	17.8	17.3	37.86169	37.93225	37.766	2.30939	2.5	2	4.32257	0	4.32166	220424905	4030125	86
08/21/2017 23:29:18	16.67424	16.68838	16.66166	731.09997	731.09997	731.09997	15.32013	15.39999	15.3	16.93493	17.2	16.8	37.86245	37.98766	37.766	1.61479	1.9	1.4	4.40593	0	4.40527	220424905	4030125	86
08/21/2017 23:34:18	16.67424	16.68838	16.66166	731.09997	731.09997	731.09997	15.32013	15.39999	15.3	16.93493	17.2	16.8	37.86245	37.98766	37.766	1.61479	1.9	1.4	4.48928	0.01598	4.48833	220424905	4030125	86
08/21/2017 23:39:18	16.67391	16.68246	16.66166	731.09997	731.09997	731.09997	15.34029	15.39999	15.3	16.72618	16.8	16.6	37.90799	38.01538	37.7937	1.38589	1.5	1.2	4.57263	0.02109	4.57166	220424905	4030125	86
08/21/2017 23:44:18	16.67316	16.68246	16.66166	731.09997	731.09997	731.09997	15.3228	15.39999	15.3	16.73961	16.8	16.6	37.95792	38.01538	37.84912	1.41681	1.5	1.2	4.656	0.03703	4.655	220424905	4030125	86
08/21/2017 23:49:18	16.67615	16.69142	16.65879	731.16772	731.19995	731.09997	15.30671	15.39999	15.3	16.57653	16.7	16.4	37.9591	38.01538	37.87683	1.26982	1.3	1	4.73936	0.0052	4.73833	220424905	4030125	86
08/21/2017 23:54:18	16.67746	16.68907	16.66683	731.19995	731.19995	731.19995	15.29324	15.39999	15.09999	16.45228	16.6	16.4	37.96294	38.04308	37.87683	1.15904	1.3	1	4.82274	0.0052	4.82166	220424905	4030125	86
08/21/2017 23:59:18	16.67762	16.68907	16.65789	731.19995	731.19995	731.19995	15.18391	15.3	14.99999	16.4973	16.7	16.4	37.96135	38.04308	37.87683	1.31338	1.6	1.1	4.90609	0.03704	4.905	220424905	4030125	86
08/22/2017 00:04:18	16.67311	16.70181	16.64984	731.0758	731.09997	731	14.98994	14.99999	14.89999	16.54632	16.6	16.4	38.05729	38.18161	37.90454	1.55638	1.7	1.4	4.98944	0	4.98861	220424905	4030125	86
08/22/2017 00:09:18	16.67311	16.70181	16.64984	731.0758	731.09997	731	14.98994	14.99999	14.89999	16.54632	16.6	16.4	38.05729	38.18161	37.90454	1.55638	1.7	1.4	5.07281	0.00519	5.07166	220424905	4030125	86
08/22/2017 00:14:18	16.67731	16.70181	16.64984	731.09997	731.09997	731.09997	14.92686	14.99999	14.89999	16.52619	16.6	16.4	38.07526	38.20933	37.93225	1.56645	1.7	1.4	5.15617	0.04223	5.15527	220424905	4030125	86
08/22/2017 00:19:18	16.67731	16.70181	16.64984	731.09997	731.09997	731.09997	14.92686	14.99999	14.89999	16.45362	16.6	16.4	38.08309	38.20933	38.01538	1.52675	1.7	1.4	5.23954	0.11109	5.23833	220424905	4030125	86
08/22/2017 00:24:18	16.67633	16.70181	16.64984	731.09997	731.09997	731.09997	14.9067	14.99999	14.79999	16.47246	16.6	16.4	38.07376	38.23703	37.95996	1.56576	1.7	1.4	5.32289	0.0371	5.32166	220424905	4030125	86
08/22/2017 00:29:18	16.67657	16.69142	16.6484	731.09997	731.09997	731.09997	14.85302	14.89999	14.79999	16.45903	16.6	16.2	38.08902	38.23703	37.93225	1.606	1.8	1.4	5.40626	0.037	5.40527	220424905	4030125	86
08/22/2017 00:34:18	16.67715	16.6944	16.65287	731.12414	731.19995	731.09997	14.81339	14.89999	14.69999	16.35705	16.4	16.2	38.10493	38.20933	37.98766	1.54366	1.7	1.3	5.48963	0.01586	5.48861	220424905	4030125	86
08/22/2017 00:39:18	16.67715	16.6944	16.65287	731.12414	731.19995	731.09997	14.81339	14.89999	14.69999	16.35705	16.4	16.2	38.10493	38.20933	37.98766	1.54366	1.7	1.3	5.57299	0.03698	5.57166	220424905	4030125	86
08/22/2017 00:44:18	16.67589	16.68995	16.64696	731.11608	731.19995	731.09997	14.78655	14.79999	14.69999	16.14231	16.4	16	38.14394	38.26474	38.01538	1.35575	1.6	1.2	5.65636	0.03696	5.655	220424905	4030125	86
08/22/2017 00:49:18	16.67482	16.68546	16.66474	731.09997	731.09997	731.09997	14.70334	14.79999	14.69999	15.8	15.8	15.8	38.2321	38.34787	38.1262	1.09665	1.1	1	5.73973	0.03696	5.73861	220424905	4030125	86
08/22/2017 00:54:18	16.67482	16.68546	16.66474	731.09997	731.09997	731.09997	14.70334	14.79999	14.69999	15.8	15.8	15.8	38.2321	38.34787	38.1262	1.09665	1.1	1	5.82309	0.03694	5.82166	220424905	4030125	86
08/22/2017 00:59:18	16.67471	16.68835	16.64983	731.09997	731.09997	731.09997	14.58924	14.69999	14.39999	15.46916	15.6	15.2	38.28733	38.40329	38.18161	0.87992	1.1	0.7	5.90645	0.0424	5.90527	220424905	4030125	86
08/22/2017 01:04:18	16.67471	16.68835	16.64983	731.09997	731.09997	731.09997	14.58924	14.69999	14.39999	15.46916	15.6	15.2	38.28733	38.40329	38.18161	0.87992	1.1	0.7	5.9898	0.03687	5.98833	220424905	4030125	86
08/22/2017 01:09:18	16.67163	16.68241	16.66017	731.09997	731.09997	731.09997	14.49862	14.69999	14.39999	15.16511	15.4	15.1	38.33854	38.4587	38.23703	0.66648	0.7	0.6	6.07316	0	6.07166	220424905	4030125	86
08/22/2017 01:14:18	16.67625	16.69793	16.66096	730.99292	731	730.89996	14.30671	14.39999	14.29999	15.08052	15.1	15	38.47824	38.56953	38.37557	0.77381	0.8	0.6	6.15652	0	6.15527	220424905	4030125	86
08/22/2017 01:19:18	16.67625	16.69793	16.66096	730.99292	731	730.89996	14.30671	14.39999	14.29999	15.08052	15.1	15	38.47824	38.56953	38.37557	0.77381	0.8	0.6	6.23988	0.02122	6.23833	220424905	4030125	86
08/22/2017 01:24:18	16.67373	16.69197	16.65063	731	731	731	14.26976	14.29999	14.09999	15.00937	15.1	14.9	38.47841	38.59724	38.40329	0.73961	1	0.6	6.32324	0.11056	6.32166	220424905	4030125	86
08/22/2017 01:29:18	16.67444	16.70263	16.65091	730.77447	730.89996	730.69995	13.92684	14.09999	13.89999	15.01406	15.1	14.9	38.47842	38.59724	38.34787	1.08722	1.2	0.9	6.40661	0.00559	6.40527	220424905	4030125	86
08/22/2017 01:34:18	16.67444	16.70263	16.65091	730.77447	730.89996	730.69995	13.92684	14.09999	13.89999	15.01406	15.1	14.9	38.47842	38.59724	38.34787	1.08722	1.2	0.9	6.48996	0.03687	6.48833	220424905	4030125	86
08/22/2017 01:39:18	16.67446	16.68868	16.64732	730.70703	730.79998	730.69995	13.88995	13.89999	13.79999	15.07992	15.1	15	38.52238	38.65266	38.40329	1.18997	1.3	1.1	6.57332	0.00836	6.57166	220424905	4030125	86
08/22/2017 01:44:18	16.67403	16.68665	16.66	730.59997	730.59997	730.59997	13.77381	13.89999	13.69999	14.92884	15.1	14.9	38.64645	38.84661	38.51412	1.15502	1.4	1.1	6.65669	0	6.65527	220424905	4030125	86
08/22/2017 01:49:18	16.67403	16.68665	16.66	730.59997	730.59997	730.59997	13.77381	13.89999	13.69999	14.92884	15.1	14.9	38.64645	38.84661	38.51412	1.15502	1.4	1.1	6.74005	0.02398	6.73833	220424905	4030125	86
08/22/2017 01:54:18	16.6762	16.69541	16.64811	730.61108	730.69995	730.59997	13.6933	13.69999	13.59999	14.84968	14.9	14.6	38.6829	38.8189	38.56953	1.15637	1.3	0.9	6.82342	0.01561	6.82194	220424905	4030125	86
08/22/2017 01:59:18	16.6762	16.69541	16.64811	730.61108	730.69995	730.59997	13.6933	13.69999	13.59999	14.84968	14.9	14.6	38.6829	38.8189	38.56953	1.15637	1.3	0.9	6.9068	0.02123	6.905	220424905	4030125	86
08/22/2017 02:04:18	16.67573	16.68945	16.64811	730.55334	730.59997	730.5	13.63357	13.69999	13.59999	14.85974	14.9	14.8	38.75279	38.87432	38.56953	1.22616	1.3	1.1	6.99017	0.01563	6.98833	220424905	4030125	86
08/22/2017 02:09:18	16.67515	16.68977	16.65045	730.48053	730.59997	730.39996	13.6067	13.69999	13.59999	14.85638	14.9	14.8	38.7853	38.92974	38.65266	1.24968	1.6	1.2	7.07356	0	7.07194	220424905	4030125	86
08/22/2017 02:14:18	16.67649	16.70012	16.65045	730.4483	730.5	730.39996	13.5765	13.59999	13.29999	14.87313	14.9	14.8	38.80078	38.90203	38.62494	1.29662	1.6	1.2	7.15695	0.00837	7.155	220424905	4030125	86
08/22/2017 02:19:18	16.67426	16.70169	16.65435	730.4057	730.5	730.29998	13.49267	13.59999	13.29999	15.02415	15.1	14.9	38.80448	38.92974	38.65266	1.53148	1.9	1.5	7.2403	0	7.23861	220424905	4030125	86
08/22/2017 02:24:18	16.67516	16.70765	16.6603	730.36877	730.39996	730.29998	13.40614	13.59999	13.29999	15.17045	15.4	15.1	38.79517	38.90203	38.62494	1.76431	1.9	1.5	7.32366	0.02121	7.32166	220424905	4030125	86
08/22/2017 02:29:18	16.67678	16.70921	16.6603	730.4154	730.5	730.39996	13.32347	13.59999	13.29999	15.23022	15.4	15.1	38.81144	38.95745	38.65266	1.90674	2.1	1.6	7.40705	0.07932	7.40527	220424905	4030125	86
08/22/2017 02:34:18	16.67644	16.69495	16.66389	730.5	730.5	730.5	13.32684	13.49999	13.29999	15.34432	15.5	15.2	38.81313	38.95745	38.62494	2.01748	2.2	1.7	7.49042	0	7.48861	220424905	4030125	86
08/22/2017 02:39:18	16.67644	16.69495	16.66389	730.5	730.5	730.5	13.32684	13.49999	13.29999	15.34432	15.5	15.2	38.81313	38.95745	38.62494	2.01748	2.2	1.7	7.57378	0.03692	7.57166	220424905	4030125	86
08/22/2017 02:44:18	16.67077	16.70451	16.66155	730.59289	730.59997	730.5	13.38582	13.49999	13.29999	15.26576	15.5	15.2	38.79816	38.92974	38.62494	1.87994	2.2	1.7	7.65714	0	7.65527	220424905	4030125	86
08/22/2017 02:49:18	16.67077	16.70451	16.66155	730.59289	730.59997	730.5	13.38582	13.49999	13.29999	15.26576	15.5	15.2	38.79816	38.92974	38.62494	1.87994	2.1	1.6	7.74051	0.03687	7.73861	220424905	4030125	86
08/22/2017 02:54:18	16.67242	16.70451	16.66155	730.59594	730.59997	730.5	13.4074	13.59999	13.29999	15.22682	15.4	15.2	38.85785	38.95745	38.68036	1.81941	2.1	1.6	7.82389	0.00547	7.82194	220424905	4030125	86
08/22/2017 02:59:18	16.67395	16.70295	16.65795	730.54229	730.59997	730.5	13.45641	13.59999	13.29999	15.22342	15.4	15.1	38.8915	38.98515	38.73577	1.76701	2.2	1.6	7.90726	0.1107	7.905	220424905	4030125	86
08/22/2017 03:04:18	16.67488	16.6965	16.65354	730.5	730.5	730.5	13.49999	13.59999	13.29999	15.34636	15.5	15.2	38.906	39.04057	38.8189	1.84636	2.2	1.6	7.99061	0.07391	7.98833	220424905	4030125	86
08/22/2017 03:09:18	16.67561	16.68614	16.63284	730.49798	730.5	730.39996	13.51341	13.59999	13.29999	15.40675	15.5	15.2	38.91281	38.98515	38.8189	1.89333	2.2	1.6	8.07396	0.0212	8.07166	220424905	4030125	86
08/22/2017 03:14:18	16.67479	16.69209	16.65507	730.55188	730.69995	730.5	13.55364	13.59999	13.29999	15.44358	15.5	15.2	38.91105	38.98515	38.8189	1.88994	2.1	1.6	8.15733	0.01282	8.155	220424905	4030125	86
08/22/2017 03:19:18	16.67683	16.68504	16.64569	730.8446	730.89996	730.79998	13.56638	13.59999	13.29999	15.42612	15.5	15.2	38.87804	38.98515	38.73577	1.85974	2	1.8	8.24075	0.07391	8.23861	220424905	4030125	86
08/22/2017 03:24:18	16.67683	16.68504	16.64569	730.8446	730.89996	730.79998	13.56638	13.59999	13.29999	15.42612	15.5	15.2	38.87804	38.98515	38.73577	1.85974	2	1.8	8.32411	0.08215	8.32166	220424905	4030125	86
08/22/2017 03:29:18	16.67313	16.6959	16.65451	730.90527	731	730.89996	13.58993	13.59999	13.49999	15.30269	15.5	15.2	38.87683	38.95745	38.73577	1.71276	1.7	1.5	8.40748	0	8.40527	220424905	4030125	86
08/22/2017 03:34:18	16.67465	16.70389	16.65657	731	731	731	13.59664	13.59999	13.49999	15.153	15.2	15.1	38.86783	38.95745	38.68036	1.55636	1.7	1.5	8.49089	0	8.48833	220424905	4030125	86
08/22/2017 03:39:18	16.67921	16.70028	16.65891	730.89898	730.89996	730.79998	13.60065	13.69999	13.49999	15.09997	15.2	15	38.93348	39.04057	38.84661	1.49931	1.6	1.4	8.57429	0.07373	8.57194	220424905	4030125	86
08/22/2017 03:44:18	16.67698	16.70028	16.65657	730.95971	731	730.89996	13.59326	13.59999	13.49999	15.08995	15.2	15	38.9248	39.04057	38.84661	1.49669	1.6	1.4	8.65768	0.01563	8.65527	220424905	4030125	86
08/22/2017 03:49:18	16.67698	16.70028	16.65657	730.95971	731	730.89996	13.59326	13.59999	13.49999	15.08995	15.2	15	38.9248	39.04057	38.84661	1.49669	1.6	1.4	8.74107	0.03688	8.73833	220424905	4030125	86
08/22/2017 03:54:18	16.67726	16.69793	16.65657	730.98761	731	730.89996	13.56978	13.59999	13.29999	15.1	15.2	15	38.91169	39.01285	38.8189	1.53021	1.7	1.5	8.82449	0.00837	8.82166	220424905	4030125	86
08/22/2017 03:59:18	16.67618	16.70625	16.65891	730.91912	731	730.89996	13.55304	13.59999	13.29999	15.17378	15.2	15.1	38.91663	39.01285	38.84661	1.62074	1.9	1.5	8.90789	0	8.905	220424905	4030125	86
08/22/2017 04:04:18	16.67743	16.7006	16.66486	730.80804	730.89996	730.69995	13.47918	13.59999	13.29999	15.25368	15.4	15.2	38.99874	39.1791	38.8189	1.77449	2.1	1.6	8.99129	0.11063	8.98861	220424905	4030125	86
08/22/2017 04:09:18	16.67743	16.7006	16.66486	730.80804	730.89996	730.69995	13.47918	13.59999	13.29999	15.25368	15.4	15.2	38.99874	39.1791	38.8189	1.77449	2.1	1.6	9.07468	0.0424	9.07166	220424905	4030125	86
08/22/2017 04:14:17	16.678	16.6954	16.66721	730.75238	730.79998	730.69995	13.48993	13.59999	13.29999	15.32421	15.5	15.2	39.02364	39.09598	38.92974	1.83427	2.1	1.6	9.15808	0.07387	9.155	220424905	4030125	86
08/22/2017 04:19:18	16.67458	16.69775	16.64651	730.85662	730.89996	730.69995	13.51006	13.59999	13.29999	15.44698	15.5	15.2	38.99182	39.1514	38.87432	1.93691	2.2	1.6	9.24146	0.11077	9.23861	220424905	4030125	86
08/22/2017 04:24:18	16.67458	16.69775	16.64651	730.85662	730.89996	730.69995	13.51006	13.59999	13.29999	15.44698	15.5	15.2	38.99182	39.1514	38.87432	1.93691	2.2	1.6	9.32485	0.03694	9.32166	220424905	4030125	86

08/22/2017 04:29:18	16.67526	16.69775	16.64886	730.7221	730.79998	730.59997	13.56979	13.59999	13.49999	15.47324	15.6	15.2	39.05893	39.20681	38.90203	1.90344	2.1	1.6	9.40824	0.0424	9.40527	220424905	4030125	86
08/22/2017 04:34:18	16.67526	16.69775	16.64886	730.7221	730.79998	730.59997	13.56979	13.59999	13.49999	15.47324	15.6	15.2	39.05893	39.20681	38.90203	1.90344	2.1	1.6	9.49163	0.0369	9.48833	220424905	4030125	86
08/22/2017 04:39:17	16.67585	16.69775	16.64651	730.76471	730.79998	730.69995	13.58723	13.59999	13.49999	15.24034	15.5	15.1	39.12738	39.23452	39.04057	1.65311	1.9	1.5	9.57504	0.01564	9.57166	220424905	4030125	86
08/22/2017 04:44:18	16.67376	16.70105	16.64186	730.77252	730.79998	730.69995	13.57717	13.59999	13.49999	14.77596	14.9	14.6	39.19664	39.28994	39.09598	1.19879	1.4	1	9.65845	0.03683	9.65527	220424905	4030125	86
08/22/2017 04:49:18	16.67566	16.69348	16.64186	730.75463	730.79998	730.69995	13.56308	13.59999	13.29999	14.55307	14.6	14.5	39.22003	39.28994	39.12369	0.98999	1.3	0.9	9.7419	0.03682	9.73861	220424905	4030125	86
08/22/2017 04:54:18	16.67566	16.69348	16.64186	730.75463	730.79998	730.69995	13.56308	13.59999	13.29999	14.55307	14.6	14.5	39.22003	39.28994	39.12369	0.98999	1.3	0.9	9.82535	0.03682	9.82166	220424905	4030125	86
08/22/2017 04:59:17	16.67737	16.68986	16.65294	730.74664	730.79998	730.69995	13.51947	13.59999	13.29999	14.48657	14.5	14.4	39.23842	39.34536	39.1514	0.9671	1.2	0.8	9.90879	0.03677	9.905	220424905	4030125	86
08/22/2017 05:04:18	16.67589	16.68952	16.64229	730.88385	730.89996	730.79998	13.32011	13.49999	13.19999	14.45637	14.5	14.3	39.2534	39.34536	39.12369	1.13626	1.2	0.9	9.99223	0.03677	9.98861	220424905	4030125	86
08/22/2017 05:09:18	16.67589	16.68952	16.64229	730.88385	730.89996	730.79998	13.32011	13.49999	13.19999	14.45637	14.5	14.3	39.2534	39.34536	39.12369	1.13626	1.3	1	10.07565	0.01552	10.07166	220424905	4030125	86
08/22/2017 05:14:18	16.67358	16.69748	16.6459	730.99902	731	730.89996	13.23957	13.29999	13.19999	14.45971	14.5	14.3	39.21297	39.31765	39.09598	1.22014	1.3	1	10.15907	0.0736	10.15527	220424905	4030125	86
08/22/2017 05:19:18	16.67358	16.69748	16.6459	730.99902	731	730.89996	13.23957	13.29999	13.19999	14.45971	14.5	14.3	39.21297	39.31765	39.09598	1.22014	1.3	1	10.24248	0.00836	10.23833	220424905	4030125	86
08/22/2017 05:24:17	16.67557	16.69549	16.6526	730.90527	731	730.89996	13.19999	13.19999	13.19999	14.46646	14.5	14.3	39.24207	39.34536	39.1514	1.26646	1.3	1.1	10.32586	0.05808	10.32166	220424905	4030125	86
08/22/2017 05:29:18	16.67151	16.70307	16.65421	730.90332	731	730.89996	13.08392	13.19999	12.99999	14.59998	14.8	14.5	39.22196	39.31765	39.12369	1.51606	1.8	1.3	10.40924	0.06528	10.40527	220424905	4030125	86
08/22/2017 05:34:18	16.67151	16.70307	16.65421	730.90332	731	730.89996	13.08392	13.19999	12.99999	14.59998	14.8	14.5	39.22196	39.31765	39.12369	1.51606	1.8	1.3	10.49262	0.03682	10.48833	220424905	4030125	86
08/22/2017 05:39:18	16.67225	16.69911	16.64984	730.9151	731	730.89996	13.04697	13.19999	12.99999	14.61341	14.8	14.6	39.22216	39.31765	39.09598	1.56644	1.8	1.4	10.57601	0.03682	10.57166	220424905	4030125	86
08/22/2017 05:44:18	16.67191	16.70307	16.64984	730.91436	731	730.89996	13.02954	13.09999	12.99999	14.647	14.8	14.6	39.228	39.31765	39.1514	1.61745	1.8	1.5	10.65939	0.03678	10.655	220424905	4030125	86
08/22/2017 05:49:18	16.67567	16.70072	16.65782	730.97882	731	730.89996	13.02687	13.09999	12.99999	14.69265	14.8	14.6	39.22875	39.31765	39.1514	1.66577	1.8	1.5	10.74281	0.02126	10.73833	220424905	4030125	86
08/22/2017 05:54:18	16.67303	16.69314	16.65186	731	731	731	13.01679	13.09999	12.99999	14.51006	14.6	14.5	39.23786	39.31765	39.1514	1.49327	1.6	1.4	10.82622	0.03681	10.82194	220424905	4030125	86
08/22/2017 05:59:18	16.67231	16.69151	16.65026	731	731	731	13.01007	13.09999	12.99999	14.37248	14.5	14.3	39.24519	39.34536	39.12369	1.36241	1.5	1.2	10.90965	0.03677	10.90527	220424905	4030125	86
08/22/2017 06:04:18	16.67231	16.69151	16.65026	731	731	731	13.01007	13.09999	12.99999	14.37248	14.5	14.3	39.24519	39.34536	39.12369	1.36241	1.5	1.2	10.99308	0.04254	10.98833	220424905	4030125	86
08/22/2017 06:09:18	16.67167	16.69314	16.65026	731	731	731	13.00872	13.19999	12.99999	14.3234	14.5	14.3	39.2673	39.40078	39.1791	1.31468	1.5	1.1	11.07647	0.03677	11.07166	220424905	4030125	86
08/22/2017 06:14:18	16.6728	16.69748	16.63995	731	731	731	12.99999	12.99999	12.99999	14.36913	14.5	14.3	39.26545	39.37306	39.12369	1.36913	1.5	1.3	11.15987	0.03677	11.155	220424905	4030125	86
08/22/2017 06:19:17	16.67263	16.69748	16.65026	731.01739	731.09997	731	12.99999	12.99999	12.99999	14.3603	14.5	14.3	39.25196	39.37306	39.1514	1.3603	1.5	1.3	11.24329	0.03682	11.23833	220424905	4030125	86
08/22/2017 06:24:18	16.67275	16.69079	16.65388	731.09997	731.09997	731.09997	12.99999	12.99999	12.99999	14.48321	14.5	14.4	39.21266	39.28994	39.12369	1.48321	1.5	1.4	11.32671	0.11036	11.32166	220424905	4030125	86
08/22/2017 06:29:18	16.67331	16.69514	16.65388	731.09997	731.09997	731.09997	12.98993	13.09999	12.89999	14.48322	14.5	14.4	39.22475	39.34536	39.1514	1.49328	1.6	1.4	11.41012	0.0948	11.405	220424905	4030125	86
08/22/2017 06:34:18	16.67603	16.69876	16.65153	731.19995	731.19995	731.19995	12.96641	12.99999	12.89999	14.46038	14.5	14.4	39.19934	39.26223	39.09598	1.49396	1.6	1.4	11.49353	0.02127	11.48861	220424905	4030125	86
08/22/2017 06:39:18	16.67603	16.69876	16.65153	731.19995	731.19995	731.19995	12.96641	12.99999	12.89999	14.46038	14.5	14.4	39.19934	39.26223	39.09598	1.49396	1.6	1.4	11.57692	0	11.57166	220424905	4030125	86
08/22/2017 06:44:18	16.67655	16.70473	16.65515	731.21838	731.29998	731.19995	12.99332	12.99999	12.89999	14.52954	14.6	14.5	39.20068	39.28994	39.06827	1.53622	1.7	1.5	11.66031	0	11.65527	220424905	4030125	86
08/22/2017 06:49:18	16.67655	16.70473	16.65515	731.21838	731.29998	731.19995	12.99332	12.99999	12.89999	14.52954	14.6	14.5	39.20068	39.28994	39.06827	1.53622	1.8	1.5	11.74372	0.03681	11.73861	220424905	4030125	86
08/22/2017 06:54:18	16.673	16.70238	16.65079	731.29901	731.29998	731.19995	12.9832	12.99999	12.89999	14.57383	14.8	14.5	39.17776	39.26223	39.09598	1.59063	1.8	1.5	11.8271	0.05234	11.82166	220424905	4030125	86
08/22/2017 06:59:18	16.6725	16.69367	16.65079	731.29998	731.29998	731.29998	13.02012	13.19999	12.99999	14.70065	14.8	14.6	39.20058	39.31765	39.09598	1.68052	1.8	1.5	11.91049	0	11.90527	220424905	4030125	86
08/22/2017 07:04:18	16.6725	16.69367	16.65079	731.29998	731.29998	731.29998	13.02012	13.19999	12.99999	14.70065	14.8	14.6	39.20058	39.31765	39.09598	1.68052	1.9	1.6	11.99389	0.0736	11.98861	220424905	4030125	86
08/22/2017 07:09:18	16.67649	16.69963	16.65236	731.29998	731.29998	731.29998	13.07714	13.19999	12.99999	14.85032	14.9	14.8	39.18538	39.26223	39.04057	1.77318	1.9	1.6	12.07729	0.02393	12.07166	220424905	4030125	86
08/22/2017 07:14:18	16.67787	16.69963	16.64799	731.30297	731.39996	731.29998	13.17654	13.19999	12.99999	14.89665	15	14.8	39.10221	39.26223	38.98515	1.7201	1.9	1.6	12.16071	0.07364	12.155	220424905	4030125	86
08/22/2017 07:19:18	16.67553	16.69888	16.64564	731.39996	731.39996	731.39996	13.29329	13.29999	13.19999	14.98388	15.1	14.9	39.0365	39.1514	38.92974	1.69059	1.8	1.6	12.24415	0.02122	12.23861	220424905	4030125	86
08/22/2017 07:24:18	16.6759	16.68854	16.64564	731.39996	731.39996	731.39996	13.38049	13.49999	13.29999	15.04025	15.1	14.9	39.08978	39.20681	38.95745	1.65976	1.8	1.4	12.32759	0.02122	12.32194	220424905	4030125	86
08/22/2017 07:29:18	16.67713	16.6945	16.66553	731.43548	731.5	731.39996	13.57715	13.69999	13.29999	15.10398	15.2	15	39.09385	39.20681	38.95745	1.52682	1.8	1.4	12.41103	0.02122	12.40527	220424905	4030125	86
08/22/2017 07:34:17	16.67713	16.6945	16.66553	731.43548	731.5	731.39996	13.57715	13.69999	13.29999	15.10398	15.2	15	39.09385	39.20681	38.95745	1.52682	1.8	1.4	12.49448	0.14755	12.48833	220424905	4030125	86
08/22/2017 07:39:18	16.67612	16.6898	16.65519	731.54028	731.59997	731.5	13.68651	13.79999	13.59999	15.15643	15.2	15.1	39.02864	39.09598	38.92974	1.46992	1.6	1.3	12.57793	0	12.57194	220424905	4030125	86
08/22/2017 07:44:18	16.67612	16.6898	16.65519	731.54028	731.59997	731.5	13.68651	13.79999	13.59999	15.15643	15.2	15.1	39.02864	39.09598	38.92974	1.46992	1.6	1.3	12.6614	0	12.655	220424905	4030125	86
08/22/2017 07:49:18	16.67446	16.6898	16.65285	731.59997	731.59997	731.59997	13.83348	13.89999	13.69999	15.11346	15.2	15	39.05245	39.12369	38.95745	1.27997	1.5	1.1	12.74485	0	12.73861	220424905	4030125	86
08/22/2017 07:54:18	16.67606	16.6898	16.66318	731.59997	731.59997	731.59997	13.88326	13.89999	13.79999	15.13689	15.2	15.1	39.06925	39.1514	38.98515	1.25362	1.4	1.2	12.82831	0	12.82194	220424905	4030125	86
08/22/2017 07:59:18	16.67606	16.6898	16.66318	731.59997	731.59997	731.59997	13.88326	13.89999	13.79999	15.13689	15.2	15.1	39.06925	39.1514	38.98515	1.25362	1.4	1.2	12.91176	0.0527	12.905	220424905	4030125	86
08/22/2017 08:04:18	16.67514	16.68711	16.64415	731.61004	731.69995	731.59997	14.04091	14.09999	13.89999	16.02803	16.2	15.8	38.93278	39.09598	38.70807	1.98712	2.2	1.9	12.9952	0.07089	12.98861	220424905	4030125	86
08/22/2017 08:09:18	16.67514	16.68711	16.64415	731.61004	731.69995	731.59997	14.04091	14.09999	13.89999	16.02803	16.2	15.8	38.93278	39.09598	38.70807	1.98712	2.2	1.9	13.07867	0.02865	13.07166	220424905	4030125	86
08/22/2017 08:14:18	16.67648	16.68859	16.66402	731.63824	731.69995	731.59997	14.26707	14.39999	14.09999	16.3106	16.6	16.1	38.90763	38.98515	38.79119	2.04352	2.3	1.7	13.16212	0	13.155	220424905	4030125	86
08/22/2017 08:19:18	16.67681	16.68772	16.66549	731.70196	731.79998	731.69995	14.77511	14.89999	14.49999	16.59663	16.7	16.4	38.80454	38.95745	38.56953	1.82152	2.1	1.5	13.24559	0	13.23861	220424905	4030125	86
08/22/2017 08:24:18	16.67681	16.68772	16.66549	731.70196	731.79998	731.69995	14.77511	14.89999	14.49999	16.59663	16.7	16.4	38.80454	38.95745	38.56953	1.82152	2.1	1.5	13.32902	0	13.32166	220424905	4030125	86
08/22/2017 08:29:18	16.67452	16.69205	16.65351	731.69995	731.69995	731.69995	15.03072	15.3	14.89999	16.87174	17.2	16.6	38.78523	38.98515	38.59724	1.84102	2.2	1.6	13.41246	0	13.405	220424905	4030125	86
08/22/2017 08:34:18	16.67422	16.69867	16.658	731.73346	731.79998	731.69995	15.37383	15.59999	15.09999	16.89999	17	16.8	38.76409	38.92974	38.51412	1.52615	1.8	1.3	13.49589	0.04214	13.48833	220424905	4030125	86
08/22/2017 08:39:18	16.6775	16.69561	16.65708	731.79394	731.79998	731.69995	15.7007	15.89999	15.49999	17.08782	17.3	16.9	38.84364	38.98515	38.59724	1.38711	1.7	1.1	13.57931	0.0371	13.57166	220424905	4030125	86
08/22/2017 08:44:18	16.67641	16.69702	16.65398	731.79998	731.79998	731.79998	15.9872	16.19999	15.89999	17.27183	17.5	17	38.76852	39.01285	38.54182	1.28462	1.5	1	13.66277	0.04205	13.65527	220424905	4030125	86
08/22/2017 08:49:18	16.67563	16.6939	16.65398	731.79998	731.79998	731.79998	16.24089	16.3	16.09999	17.45148	17.8	17.2	38.77649	38.90203	38.59724	1.21059	1.5	0.9	13.74619	0.03719	13.73833	220424905	4030125	86
08/22/2017 08:54:17	16.6758	16.69073	16.65084	731.79998	731.79998	731.79998	16.57172	16.69999	16.3	17.81005	18.1	17.5	38.67281	38.87432	38.54182	1.23833	1.5	0.9	13.82962	0.021	13.82166	220424905	4030125	86
08/22/2017 08:59:18	16.67524	16.69341	16.64442	731.79998	731.79998	731.79998	17.07104	17.19999	16.89999	18.17713	18.5	17.9	38.63303	38.70807	38.54182	1.10609	1.4	0.7	13.91303	0.02099	13.90527	220424905	4030125	86
08/22/2017 09:04:17	16.67524	16.69341	16.64442	731.79998	731.79998	731.79998	17.07104	17.19999	16.89999	18.17713	18.5	17.9	38.63303	38.70807	38.54182	1.10609	1.4	0.7	13.99647	0.04559	13.98833	220424905	4030125	86
08/22/2017 09:09:18	16.67508	16.6993	16.65942	731.88787	731.89996	731.79998	17.5939	17.69999	17.49999	18.46564	18.8	18.1	38.55217	38.68036	38.40329	0.87174	1.2	0.6	14.0799	0.03727	14.07194	220424905	4030125	86
08/22/2017 09:14:17	16.67508	16.6993	16.65942	731.88787	731.89996	731.79998	17.5939	17.69999	17.49999	18.46564	18.8	18.1	38.55217	38.68036	38.40329	0.87174	1.2	0.6	14.16334	0.00464	14.155	220424905	4030125	86
08/22/2017 09:19:18	16.6758	16.69262	16.65074	731.99701	732	731.89996	18.02	18.3	17.89999	18.92614	19.2	18.5	38.41868	38.54182	38.23703	0.90613	1.2	0.5	14.24677	0.05825	14.23861	220424905	4030125	86
08/22/2017 09:24:17	16.6758	16.69262	16.65074	731.99701	732	731.89996	18.02	18.3	17.89999	18.92614	19.2	18.5	38.41868	38.54182	38.23703	0.90613	1.2	0.5	14.3302	0.01642	14.32166	220424905	4030125	86
08/22/2017 09:29:18	16.67632	16.69868	16.65426	732.04358	732.09997	732	18.53413	18.69999	18.39999	19.35828	19.7	19.1	38.28475	38.40329	38.1262	0.82414	1.1	0.6	14.41364	0	14.40527	220424905	4030125	86
08/22/2017 09:34:18	16.67632	16.69868	16.65426	732.04358	732.09997	732	18.53413	18.69999	18.39999	19.35828	19.7	19.1	38.28475	38.40329	38.1262	0.82414	1.1	0.6	14.49706	0	14.48833	220424905	4030125	86
08/22/2017 09:39:18	16.67702	16.69529	16.65794	732.09997	732.09997	732.09997	18.76097	18.99999	18.59999	19.78789	20	19.6	38.22869	38.32016	38.1262	1.02691	1.3	0.8	14.58053	0.01654	14.57166	220424905	4030125	86
08/22/2017 09:44:18	16.67679	16.68951	16.66259	732.17175	732.19995	732.09997	19.25434	19.3	19.09999	20.10536	20.5	19.7	38.11859	38.26474	37.95996	0.85101	1.2	0.5	14.66397	0	14.65527	220424905	4030125	86
08/22/2017 09:49:18	16.67679	16.68951	16.66259	732.17175	732.19995	732.09997	19.25434	19.3	19.09999	20.10536	20.5	19.7	38.11859	38.26474	37.95996	0.85101	1.2	0.5	14.7474	0.02083	14.73833	220424905	4030125	86
08/22/2017 09:54:18	16.67562	16.68603	16.65331	732.19995	732.19995	732.19995	19.50793	19.69999	19.3	20.45096	20.5	20.3	38.09918	38.23703	37.93225	0.94302	1.2	0.7	14.83083	0.08325	14.82194	220424905	4030125	86
08/22/2017 09:59:17	16.67251	16.69303	16.66031	732.19995	732.19995	732.19995	19.7174	19.89999	19.59999	20.71474	20.9	20.5	38.18286	38.34787	38.09849	0.99734	1.2	0.7	14.91429	0.02079	14.905	220424905	4030125	86
08/22/2017 10:04:18	16.67501	16.70227	16.65553	732.26373	732.29998	732.19995	20.23554	20.3	19.89999	21.09475	21.5	20.9	38.26142	38.37557	38.15391	0.8592	1.3	0.6	14.99772	0.01676	14.98861	220424905	4030125	86
08/22/2017 10:09:18	16.67684	16.69992	16.66135	732.29998	732.29998	732.29998	20.43081	20.69999	20.3	21.30938	21.6	20.9	38.31707	38.37557	38.18161	0.87856	1.1	0.6	15.0812	0.01687	15.07194	220424905	4030125	86
08/22/2017 10:14:18	16.67684	16.69992	16.66135	732.29998	732.29998	732.29998	20.43081	20.69999	20.3	21.30938	21.6	20.9	38.31707	38.37557	38.18161	0.87856	1.3	0.7	15.16463	0.06218	15.155	220424905	4030125	86
08/22/2017 10:19:17	16.67747	16.70318	16.65404	732.29998	732.29998	732.29998	20.71133	20.8	20.49999	21.59716	22.1	21.5	38.34685	38.48641	38.26474	0.88582	1.3	0.7	15.24806	0.03773	15.23833	220424905	4030125	86
08/22/2017 10:24:18	16.67632	16.70189	16.65645	732.36468	732.39996	732.29998	20.9241	20.99999	20.8	21.91052	22.3	21.7	38.36399	38.48641	38.23703	0.98641	1.6	0.9	15.3315	0.02067	15.32166	220424905	4030125	86

08/22/2017 10:29:18	16.67325	16.68757	16.6548	732.39996	732.39996	732.39996	21.4811	21.69999	21.3	22.37045	22.8	22.2	38.45905	38.54182	38.32016	0.88934	1.5	0.7	15.41494	0	15.40527	220424905	4030125	86
08/22/2017 10:34:17	16.67325	16.68757	16.6548	732.39996	732.39996	732.39996	21.4811	21.69999	21.3	22.37045	22.8	22.2	38.45905	38.54182	38.32016	0.88934	1.5	0.7	15.49841	0.09976	15.48833	220424905	4030125	86
08/22/2017 10:39:17	16.67737	16.69056	16.66258	732.39996	732.39996	732.39996	21.72068	21.89999	21.59999	22.77576	23.2	22.4	38.4217	38.54182	38.34787	1.05508	1.5	0.8	15.58186	0.09296	15.57166	220424905	4030125	86
08/22/2017 10:44:18	16.67645	16.69056	16.65967	732.38891	732.39996	732.29998	22.00395	22.19999	21.89999	23.05751	23.4	22.8	38.50625	38.68036	38.34787	1.05356	1.4	0.8	15.66531	0.03786	15.655	220424905	4030125	86
08/22/2017 10:49:17	16.67499	16.69153	16.65389	732.39996	732.39996	732.39996	22.24491	22.49999	21.99999	23.36298	23.6	23	38.50555	38.62494	38.37557	1.11807	1.4	0.8	15.74874	0.03791	15.73833	220424905	4030125	86
08/22/2017 10:54:17	16.67545	16.68857	16.65967	732.44561	732.5	732.39996	22.56705	22.69999	22.3	23.73476	23.9	23.4	38.50992	38.59724	38.40329	1.16771	1.5	0.8	15.83219	0.00314	15.82166	220424905	4030125	86
08/22/2017 10:59:18	16.67463	16.68714	16.65432	732.5	732.5	732.5	22.82332	23.09999	22.69999	24.11327	24.4	23.9	38.54305	38.65266	38.48641	1.28994	1.5	1	15.91565	0.04109	15.905	220424905	4030125	86
08/22/2017 11:04:17	16.67664	16.6898	16.66271	732.49694	732.5	732.39996	23.15502	23.3	22.89999	24.61081	24.7	24.4	38.53997	38.62494	38.4587	1.45578	1.8	1.1	15.99907	0	15.98833	220424905	4030125	86
08/22/2017 11:09:18	16.67695	16.70453	16.65523	732.4151	732.5	732.39996	23.81731	23.99999	23.69999	25.11633	25.8	24.8	38.71017	38.8189	38.56953	1.29901	1.9	0.9	16.08252	0.04092	16.07194	220424905	4030125	86
08/22/2017 11:14:17	16.67695	16.70453	16.65523	732.4151	732.5	732.39996	23.81731	23.99999	23.69999	25.11633	25.8	24.8	38.71017	38.8189	38.56953	1.29901	1.9	0.9	16.16593	0.03807	16.155	220424905	4030125	86
08/22/2017 11:19:17	16.67373	16.69467	16.65453	732.4859	732.5	732.39996	24.06777	24.3	23.89999	25.3115	25.6	25.2	38.66954	38.76348	38.59724	1.24373	1.7	0.9	16.24937	0	16.23833	220424905	4030125	86
08/22/2017 11:24:18	16.67633	16.69889	16.64766	732.5	732.5	732.5	24.67758	24.89999	24.49999	25.98017	26.6	25.4	38.8583	39.04057	38.65266	1.30258	1.9	0.8	16.33282	0.05863	16.32194	220424905	4030125	86
08/22/2017 11:29:18	16.67633	16.69889	16.64766	732.5	732.5	732.5	24.67758	24.89999	24.49999	25.98017	26.6	25.4	38.8583	39.04057	38.65266	1.30258	1.4	0.7	16.41619	0.02042	16.40527	220424905	4030125	86
08/22/2017 11:34:17	16.67666	16.69287	16.66409	732.49597	732.5	732.39996	24.98384	25.19999	24.89999	26.00171	26.4	25.7	38.83074	38.98515	38.68036	1.01787	1.4	0.7	16.49939	0.02041	16.48833	220424905	4030125	86
08/22/2017 11:39:18	16.67522	16.7058	16.65909	732.49597	732.5	732.39996	25.48319	25.59999	25.3	26.46245	26.8	26.3	38.86984	39.06827	38.70807	0.97925	1.3	0.8	16.5826	0.02041	16.57194	220424905	4030125	86
08/22/2017 11:44:18	16.67522	16.7058	16.65909	732.49597	732.5	732.39996	25.48319	25.59999	25.3	26.46245	26.8	26.3	38.86984	39.06827	38.70807	0.97925	1.3	0.8	16.66582	0.0229	16.655	220424905	4030125	86
08/22/2017 11:49:18	16.67588	16.71698	16.64336	732.5	732.5	732.5	25.85318	26.3	25.3	26.97968	27.6	26.3	38.81765	38.98515	38.70807	1.1265	1.9	0.2	16.74903	0.05388	16.73861	220424905	4030125	86
08/22/2017 11:54:18	16.67588	16.71698	16.64336	732.5	732.5	732.5	25.85318	26.3	25.3	26.97968	27.6	26.3	38.81765	38.98515	38.70807	1.1265	1.8	0.7	16.83224	0.02034	16.82166	220424905	4030125	86
08/22/2017 11:59:18	16.67765	16.75376	16.61946	732.49798	732.5	732.39996	26.32412	27.09999	25.69999	27.75447	29	27.2	38.7519	38.95745	38.65266	1.43034	2.7	0.5	16.9155	0.11967	16.90527	220424905	4030125	86
08/22/2017 12:04:17	16.67765	16.75376	16.61946	732.49798	732.5	732.39996	26.32412	27.09999	25.69999	27.75447	29	27.2	38.7519	38.95745	38.65266	1.43034	2.7	0.5	16.99878	0.06816	16.98833	220424905	4030125	86
08/22/2017 12:09:18	16.67588	16.75428	16.60979	732.39996	732.39996	732.39996	26.8803	27.59999	25.69999	28.05564	28.9	26.9	39.01461	39.1514	38.73577	1.24925	2.3	0	17.08206	0.0588	17.07194	220424905	4030125	86
08/22/2017 12:14:17	16.67588	16.75428	16.60979	732.39996	732.39996	732.39996	26.8803	27.59999	25.69999	28.05564	28.9	26.9	39.01461	39.1514	38.73577	1.24925	2.3	0	17.16534	0.19455	17.155	220424905	4030125	86
08/22/2017 12:19:18	16.67281	16.77542	16.52439	732.39996	732.39996	732.39996	27.08115	28.8	25.59999	28.31802	30.1	26.9	38.96068	39.1514	38.70807	1.5122	3.2	0	17.24867	0.07021	17.23861	220424905	4030125	86
08/22/2017 12:24:17	16.67281	16.77542	16.52439	732.39996	732.39996	732.39996	27.08115	28.8	25.59999	28.31802	30.1	26.9	38.96068	39.1514	38.70807	1.5122	3.2	0	17.33204	0.06082	17.32166	220424905	4030125	86
08/22/2017 12:29:17	16.67677	16.77893	16.61391	732.39996	732.39996	732.39996	27.46957	28.3	26.19999	28.29897	29.9	26.9	38.96881	39.23452	38.70807	0.9838	2.9	0.09999	17.41534	0.18226	17.405	220424905	4030125	86
08/22/2017 12:34:18	16.67469	16.74643	16.59232	732.39996	732.39996	732.39996	27.84767	28.89999	26.39999	28.99836	30.1	27.8	38.94556	39.23452	38.73577	1.15068	2.6	0	17.49867	0.21145	17.48861	220424905	4030125	86
08/22/2017 12:39:18	16.67666	16.8308	16.58891	732.3161	732.39996	732.29998	28.09047	29.3	27.09999	29.24689	30.5	27.2	38.99807	39.1791	38.68036	1.29321	3	0.09999	17.582	0.11935	17.57194	220424905	4030125	86
08/22/2017 12:44:17	16.67554	16.70128	16.64702	732.29797	732.29998	732.19995	28.27119	28.59999	27.59999	29.75227	30.1	29.2	38.93361	39.12369	38.73577	1.48108	1.8	1	17.66521	0.03869	17.65527	220424905	4030125	86
08/22/2017 12:49:17	16.67554	16.70128	16.64702	732.29797	732.29998	732.19995	28.27119	28.59999	27.59999	29.75227	30.1	29.2	38.93361	39.12369	38.73577	1.48108	1.8	1	17.74844	0.00485	17.73833	220424905	4030125	86
08/22/2017 12:54:17	16.67372	16.70788	16.63007	732.29998	732.29998	732.29998	28.54362	28.8	28.19999	29.84169	30.4	29.4	39.05522	39.1514	38.90203	1.29807	1.8	0.6	17.83166	0.11631	17.82166	220424905	4030125	86
08/22/2017 12:59:18	16.67519	16.69788	16.6483	732.29998	732.29998	732.29998	28.98383	29.19999	28.8	30.41794	30.8	30	38.84034	39.06827	38.70807	1.4341	2	0.9	17.91486	0.03729	17.90527	220424905	4030125	86
08/22/2017 13:04:17	16.67519	16.69788	16.6483	732.29998	732.29998	732.29998	28.98383	29.19999	28.8	30.41794	30.8	30	38.84034	39.06827	38.70807	1.4341	2	0.9	17.99806	0.0403	17.98833	220424905	4030125	86
08/22/2017 13:09:17	16.67276	16.68739	16.65311	732.29998	732.29998	732.29998	29.25025	29.39999	29.19999	30.55996	31	30.1	38.92933	39.12369	38.70807	1.30971	1.6	0.7	18.08127	0.05891	18.07166	220424905	4030125	86
08/22/2017 13:14:17	16.67537	16.70063	16.65917	732.29498	732.29998	732.19995	29.44079	29.69999	29.3	30.51593	31	30.1	38.93915	39.1514	38.73577	1.07513	1.6	0.7	18.16447	0.00835	18.155	220424905	4030125	86
08/22/2017 13:19:17	16.67632	16.6965	16.65778	732.27575	732.29998	732.19995	29.72138	29.89999	29.49999	31.15289	31.7	30.5	38.90591	39.12369	38.70807	1.43151	1.9	0.8	18.24767	0.01765	18.23833	220424905	4030125	86
08/22/2017 13:24:17	16.6774	16.6905	16.66071	732.20196	732.29998	732.19995	30.155	30.3	29.89999	31.39039	31.8	31.2	38.88729	39.04057	38.65266	1.23539	1.6	1	18.33088	0.05781	18.32194	220424905	4030125	86
08/22/2017 13:29:17	16.6774	16.6905	16.66071	732.20196	732.29998	732.19995	30.155	30.3	29.89999	31.39039	31.8	31.2	38.88729	39.04057	38.65266	1.23539	1.6	1	18.41409	0.03888	18.405	220424905	4030125	86
08/22/2017 13:34:18	16.67582	16.70507	16.64453	732.29797	732.29998	732.19995	30.56373	30.69999	30.49999	31.66508	31.8	31.4	38.71545	38.8189	38.59724	1.10134	1.3	0.8	18.49732	0.03647	18.48861	220424905	4030125	86
08/22/2017 13:39:18	16.67483	16.69978	16.63362	732.27783	732.29998	732.19995	30.79126	30.99999	30.59999	31.66925	31.8	31.4	38.76501	38.95745	38.51412	0.87799	1.2	0.4	18.58052	0.06022	18.57194	220424905	4030125	86
08/22/2017 13:44:17	16.67483	16.69978	16.63362	732.27783	732.29998	732.19995	30.79126	30.99999	30.59999	31.66925	31.8	31.4	38.76501	38.95745	38.51412	0.87799	1.2	0.4	18.66373	0.07781	18.655	220424905	4030125	86
08/22/2017 13:49:17	16.67439	16.70279	16.64518	732.23925	732.29998	732.19995	30.9973	31.09999	30.89999	31.72223	32.2	31.3	39.13815	39.34536	38.84661	0.72492	1.2	0.3	18.74694	0.02005	18.73833	220424905	4030125	86
08/22/2017 13:54:17	16.67528	16.70742	16.64687	732.23419	732.29998	732.19995	31.1745	31.19999	30.99999	31.51199	32	31.1	39.32164	39.56702	39.23452	0.35092	0.8	0	18.83014	0.03782	18.82166	220424905	4030125	86
08/22/2017 13:59:18	16.67424	16.6945	16.64424	732.099	732.09997	732	31.44088	31.59999	31.3	32.02882	32.5	31.4	39.62907	39.76097	39.45618	0.58793	0.9	0.1	18.91335	0.00102	18.90527	220424905	4030125	86
08/22/2017 14:04:17	16.67472	16.69388	16.65516	732.09997	732.09997	732.09997	31.60068	31.8	31.5	31.85748	32.2	31.7	39.86517	39.98264	39.65014	0.26354	0.7	0	18.99655	0	18.98861	220424905	4030125	86
08/22/2017 14:09:17	16.67472	16.69388	16.65516	732.09997	732.09997	732.09997	31.60068	31.8	31.5	31.85748	32.2	31.7	39.86517	39.98264	39.65014	0.26354	0.7	0	19.07975	0.02002	19.07166	220424905	4030125	86
08/22/2017 14:14:17	16.67485	16.68918	16.66109	732.09167	732.09997	732	31.75028	31.8	31.59999	32.28727	32.5	32	40.01464	40.28743	39.8441	0.53699	0.8	0.2	19.16297	0.03902	19.155	220424905	4030125	86
08/22/2017 14:19:17	16.67453	16.69623	16.65279	732.00201	732.09997	731.89996	31.97718	32.19999	31.89999	32.19867	32.8	31.8	40.39708	40.5368	40.23201	0.25505	0.9	0	19.24617	0.03793	19.23861	220424905	4030125	86
08/22/2017 14:24:17	16.67453	16.69623	16.65279	732.00201	732.09997	731.89996	31.97718	32.19999	31.89999	32.19867	32.8	31.8	40.39708	40.5368	40.23201	0.25505	0.9	0	19.32937	0.00837	19.32166	220424905	4030125	86
08/22/2017 14:29:17	16.67493	16.69623	16.64419	731.96142	732	731.89996	32.18518	32.3	31.89999	32.11547	32.4	31.8	40.50015	40.61992	40.37055	0.11671	0.3	0	19.41258	0.03067	19.405	220424905	4030125	86
08/22/2017 14:34:17	16.6761	16.7021	16.64963	731.76574	731.89996	731.59997	32.30334	32.39999	32.19999	32.78387	33.09999	32.2	40.58971	40.67534	40.50909	0.4859	0.8	0	19.49579	0.01913	19.48861	220424905	4030125	86
08/22/2017 14:39:17	16.67326	16.69349	16.66009	731.71807	731.79998	731.59997	32.37382	32.5	32.3	32.43283	32.8	32.3	40.75071	40.92471	40.59221	0.09934	0.5	0	19.57899	0.00835	19.57194	220424905	4030125	86
08/22/2017 14:44:17	16.67496	16.69349	16.65448	731.6939	731.79998	731.59997	32.45033	32.5	32.3	32.6317	33.09999	32.2	40.82205	40.95242	40.70304	0.2818	0.7	0	19.6622	0	19.65527	220424905	4030125	86
08/22/2017 14:49:17	16.67496	16.69349	16.65448	731.6939	731.79998	731.59997	32.45033	32.5	32.3	32.6317	33.09999	32.2	40.82205	40.95242	40.70304	0.2818	0.7	0	19.74541	0.02005	19.73833	220424905	4030125	86
08/22/2017 14:54:17	16.67598	16.69969	16.64233	731.47454	731.5	731.39996	32.59398	32.8	32.39999	32.10876	32.3	31.8	40.83563	40.98013	40.70304	0.48521	0.7	0.2	19.82862	0.04735	19.82194	220424905	4030125	86
08/22/2017 14:59:17	16.67631	16.70326	16.65327	731.43823	731.5	731.39996	32.60735	32.8	32.5	32.54214	33.09999	31.9	40.75177	40.897	40.5645	0.36721	0.9	0.09999	19.91183	0.03914	19.90527	220424905	4030125	86
08/22/2017 15:04:17	16.67631	16.70326	16.65327	731.43823	731.5	731.39996	32.60735	32.8	32.5	32.54214	33.09999	31.9	40.75177	40.897	40.5645	0.36721	0.9	0.09999	19.99505	0.05909	19.98833	220424905	4030125	86
08/22/2017 15:09:17	16.67629	16.70053	16.65665	731.39996	731.39996	731.39996	32.77645	32.8	32.5	32.70533	33.4	32.4	40.67611	40.84159	40.50909	0.25226	0.6	0	20.07826	0.01908	20.07194	220424905	4030125	86
08/22/2017 15:14:17	16.67629	16.70053	16.65665	731.39996	731.39996	731.39996	32.77645	32.8	32.5	32.70533	33.4	32.4	40.67611	40.84159	40.50909	0.25226	0.8	0.09999	20.16148	0	20.15527	220424905	4030125	86
08/22/2017 15:19:17	16.6752	16.70531	16.65561	731.39996	731.39996	731.39996	32.75975	32.89999	32.5	32.27595	32.5	32	40.71782	40.84159	40.61992	0.4838	0.8	0.09999	20.2447	0.05696	20.23833	220424905	4030125	86
08/22/2017 15:24:17	16.67587	16.69969	16.65	731.39996	731.39996	731.39996	32.77047	32.8	32.69999	32.07464	32.3	31.8	40.71419	40.84159	40.59221	0.69582	1	0.39999	20.32792	0.05796	20.32166	220424905	4030125	86
08/22/2017 15:29:17	16.6762	16.69999	16.65	731.39996	731.39996	731.39996	32.68991	32.8	32.5	32.29883	32.5	31.8	40.58614	40.70304	40.50909	0.39107	0.9	0	20.41113	0.04007	20.405	220424905	4030125	86
08/22/2017 15:34:17	16.67722	16.70172	16.6559	731.38055	731.39996	731.29998	32.53693	32.8	32.5	32.27827	32.8	31.9	40.45985	40.61992	40.31514	0.2919	0.9	0	20.49435	0.00089	20.48861	220424905	4030125	86
08/22/2017 15:39:17	16.67722	16.70172	16.6559	731.38055	731.39996	731.29998	32.53693	32.8	32.5	32.27827	32.8	31.9	40.45985	40.61992	40.31514	0.2919	0.9	0	20.57756	0.05814	20.57166	220424905	4030125	86
08/22/2017 15:44:17	16.67417	16.69109	16.65795	731.29998	731.29998	731.29998	32.48994	32.69999	32.39999	32.29671	32.5	31.9	40.43464	40.59221	40.31514	0.19322	0.69999	0	20.66076	0.03799	20.65527	220424905	4030125	86
08/22/2017 15:49:17	16.67417	16.69109	16.65795	731.29998	731.29998	731.29998	32.48994	32.69999	32.39999	32.29671	32.5	31.9	40.43464	40.59221	40.31514	0.19322	0.69999	0	20.74397	0.05911	20.73833	220424905	4030125	86
08/22/2017 15:54:17	16.6758	16.70172	16.64672	731.29162	731.29998	731.19995	32.46981	32.5	32.39999	32.0958	32.5	31.7	40.46906	40.61992	40.28743	0.38071	0.8	0	20.82718	0.03822	20.82166	220424905	4030125	86
08/22/2017 15:59:17	16.6753	16.70288	16.64729	731.28259	731.29998	731.19995	32.45034	32.5	32.39999	32.46175	32.9	31.7	40.32024	40.45367	40.23201	0.26375	0.69999	0	20.91038	0.02002	20.905	220424905	4030125	86
08/22/2017 16:04:17	16.67467	16.69844	16.64672	731.25439	731.29998	731.19995	32.45971	32.5	32.39999	32.12948	32.5	31.7	40.39609	40.5368	40.23201	0.33023	0.8	0	20.99359	0.02109	20.98861	220424905	4030125	86
08/22/2017 16:09:17	16.67467	16.69844	16.64672	731.25439	731.29998	731.19995	32.45971	32.5	32.39999	32.12948	32.5	31.7	40.39609	40.5368	40.23201	0.33023	1.1	0.3	21.0768	0.09692	21.07194	220424905	4030125	86
08/22/2017 16:14:17	16.673	16.70408	16.64345	731.20092	731.29998	731.19995	32.45305	32.5	32.39999	31.77037	32.2	31.4	40.43407	40.5368	40.28743	0.68267	1.1	0.3	21.16	0.01897	21.155	220424905	4030125	86
08/22/2017 16:19:17	16.6753	16.69426	16.65524	731.18786	731.19995	731.09997	32.42016	32.5	32.3	32.41274	32.8	31.8	40.29135	40.42597	40.2043	0.15511	0.59999	0	21.24321	0.06747	21.23861	220424905	4030125	86
08/22/2017 16:24:17	16.6753	16.69426	16.65524	731.18786	731.19995	731.09997	32.42016	32.5	32.3	32.41274	32.8	31.8	40.29135	40.42597	40.2043	0.15511	0.59999	0	21.32641	0.097	21.32166	220424905	4030125	86

08/22/2017 16:29:17	16.67399	16.69516	16.64876	731.14459	731.19995	731.09997	32.44365	32.5	32.3	32.02222	32.5	31.4	40.28416	40.37055	40.2043	0.42815	1.1	0	21.40961	0	21.40527	220424905	4030125	86
08/22/2017 16:34:17	16.67399	16.69516	16.64876	731.14459	731.19995	731.09997	32.44365	32.5	32.3	32.02222	32.5	31.4	40.28416	40.37055	40.2043	0.42815	1.1	0	21.49283	0.03902	21.48833	220424905	4030125	86
08/22/2017 16:39:17	16.67504	16.70408	16.65141	731.09967	731.19995	731	32.43021	32.5	32.3	31.85709	32.3	31.7	40.2559	40.34284	40.14888	0.57311	0.8	0.2	21.57604	0	21.57166	220424905	4030125	86
08/22/2017 16:44:17	16.67699	16.70211	16.65574	731.08184	731.09997	731	32.32613	32.5	32.3	31.46713	31.9	31.1	39.93932	40.2043	39.78868	0.859	1.2	0.4	21.65925	0	21.65527	220424905	4030125	86
08/22/2017 16:49:17	16.67699	16.70211	16.65574	731.08184	731.09997	731	32.32613	32.5	32.3	31.46713	31.9	31.1	39.93932	40.2043	39.78868	0.859	1.2	0.4	21.74245	0.00836	21.73833	220424905	4030125	86
08/22/2017 16:54:17	16.67414	16.69783	16.65608	731.08587	731.09997	731	32.27991	32.3	32.19999	31.57824	32	31.3	39.7657	39.89951	39.59473	0.70167	1	0.19999	21.82565	0.02005	21.82166	220424905	4030125	86
08/22/2017 16:59:17	16.67492	16.69814	16.65313	731.01507	731.09997	731	32.21679	32.3	32.09999	31.78865	32.2	31.3	39.66233	39.78868	39.56702	0.42814	0.89999	0.09999	21.90886	0.01898	21.905	220424905	4030125	86
08/22/2017 17:04:17	16.67455	16.69188	16.6528	731	731	731	32.17988	32.3	31.89999	31.65551	32	31.2	39.67472	39.78868	39.56702	0.52436	0.99999	0	21.99207	0.02005	21.98833	220424905	4030125	86
08/22/2017 17:09:17	16.67365	16.70845	16.6422	730.99701	731	730.89996	32.12351	32.19999	31.89999	31.80547	32.2	31.4	39.57581	39.65014	39.45618	0.32478	0.99999	0.19999	22.07527	0.04018	22.07194	220424905	4030125	86
08/22/2017 17:14:17	16.67436	16.69423	16.65313	730.98895	731	730.89996	32.04982	32.19999	31.89999	31.33763	31.7	31.1	39.52954	39.65014	39.42848	0.71219	0.99999	0.19999	22.15847	0	22.155	220424905	4030125	86
08/22/2017 17:19:17	16.67643	16.69647	16.65245	731	731	731	31.83692	31.89999	31.8	31.05368	31.2	30.8	39.24926	39.45618	39.06827	0.78324	1.09999	0.59999	22.24168	0	22.23861	220424905	4030125	86
08/22/2017 17:24:17	16.67643	16.69647	16.65245	731	731	731	31.83692	31.89999	31.8	31.05368	31.2	30.8	39.24926	39.45618	39.06827	0.78324	1.09999	0.59999	22.32488	0.02122	22.32166	220424905	4030125	86
08/22/2017 17:29:17	16.67475	16.69718	16.65313	731.00299	731.09997	731	31.68925	31.8	31.59999	31.36982	31.7	31.2	38.66251	38.76348	38.54182	0.32613	0.59999	0	22.40809	0	22.40527	220424905	4030125	86
08/22/2017 17:34:17	16.67405	16.69336	16.65209	731.07281	731.09997	731	31.59332	31.59999	31.5	30.87195	31.1	30.6	38.63045	38.73577	38.51412	0.72137	0.99999	0.49999	22.49129	0	22.48861	220424905	4030125	86
08/22/2017 17:39:17	16.67405	16.69336	16.65209	731.07281	731.09997	731	31.59332	31.59999	31.5	30.87195	31.1	30.6	38.63045	38.73577	38.51412	0.72137	0.99999	0.49999	22.57449	0.01869	22.57166	220424905	4030125	86
08/22/2017 17:44:17	16.67324	16.70343	16.65947	731.09997	731.09997	731.09997	31.47656	31.59999	31.3	30.38449	30.6	30.2	38.23804	38.37557	37.98766	1.09207	1.3	0.8	22.6577	0.02013	22.65527	220424905	4030125	86
08/22/2017 17:49:17	16.6765	16.70096	16.64898	731.03924	731.09997	731	31.31346	31.5	31.19999	30.52695	30.7	30.4	38.00354	38.20933	37.82141	0.7865	1	0.59999	22.74091	0.01867	22.73861	220424905	4030125	86
08/22/2017 17:54:17	16.6765	16.70096	16.64898	731.03924	731.09997	731	31.31346	31.5	31.19999	30.52695	30.7	30.4	38.00354	38.20933	37.82141	0.7865	1	0.59999	22.82411	0.05896	22.82166	220424905	4030125	86
08/22/2017 17:59:17	16.67511	16.68879	16.64963	731	731	731	31.07919	31.19999	30.99999	29.92015	30.2	29.6	37.72395	37.84912	37.59975	1.15904	1.39999	0.99999	22.90731	0	22.90527	220424905	4030125	86
08/22/2017 18:04:17	16.67511	16.68879	16.64963	731	731	731	31.07919	31.19999	30.99999	29.92015	30.2	29.6	37.72395	37.84912	37.59975	1.15904	1.59999	0.79999	22.99052	0	22.98861	220424905	4030125	86
08/22/2017 18:09:17	16.67547	16.69921	16.65051	731	731	731	30.91544	31.09999	30.59999	29.88258	30.1	29.5	37.73527	37.84912	37.65517	1.03285	1.59999	0.79999	23.07372	0	23.07166	220424905	4030125	86
08/22/2017 18:14:17	16.67473	16.69355	16.64486	731	731	731	30.52618	30.59999	30.49999	29.67527	29.9	29.4	37.79182	37.90454	37.65517	0.8509	1.09999	0.59999	23.15693	0	23.15527	220424905	4030125	86
08/22/2017 18:19:17	16.67473	16.69355	16.64486	731	731	731	30.52618	30.59999	30.49999	29.67527	29.9	29.4	37.79182	37.90454	37.65517	0.8509	1.09999	0.59999	23.24013	0.00836	23.23833	220424905	4030125	86
08/22/2017 18:24:17	16.67295	16.69355	16.65435	730.99194	731	730.89996	30.39937	30.49999	30.3	29.38335	29.8	29.2	37.80266	37.93225	37.62745	1.01602	1.29999	0.59999	23.32333	0.03864	23.32166	220424905	4030125	86
08/22/2017 18:29:17	16.67251	16.69391	16.62837	730.89996	730.89996	730.89996	30.01614	30.09999	29.89999	28.8154	29	28.6	37.8339	37.93225	37.68287	1.20074	1.39999	0.89999	23.40654	0.05702	23.40527	220424905	4030125	86
08/22/2017 18:34:17	16.67251	16.69391	16.62837	730.89996	730.89996	730.89996	30.01614	30.09999	29.89999	28.8154	29	28.6	37.8339	37.93225	37.68287	1.20074	1.39999	0.89999	23.48974	0	23.48833	220424905	4030125	86
08/22/2017 18:39:17	16.67332	16.69906	16.65004	730.89996	730.89996	730.89996	29.84295	29.89999	29.8	28.81679	29	28.7	37.82362	37.95996	37.68287	1.02616	1.09999	0.8	23.57294	0.02026	23.57166	220424905	4030125	86
08/22/2017 18:44:17	16.67341	16.68769	16.65004	730.89996	730.89996	730.89996	29.63905	29.8	29.49999	28.74292	28.8	28.6	37.75396	37.90454	37.59975	0.89612	1.09999	0.69999	23.65614	0.02026	23.655	220424905	4030125	86
08/22/2017 18:49:17	16.67323	16.68769	16.65981	730.89996	730.89996	730.89996	29.20604	29.3	29.09999	28.71406	28.9	28.4	37.73905	37.87683	37.65517	0.49198	0.8	0.3	23.73935	0	23.73861	220424905	4030125	86
08/22/2017 18:54:17	16.67129	16.68657	16.65925	730.89898	730.89996	730.79998	28.96517	29.19999	28.8	28.28126	28.6	28.1	37.79406	37.90454	37.71058	0.6839	0.99999	0.49999	23.82255	0	23.82194	220424905	4030125	86
08/22/2017 18:59:17	16.67129	16.68657	16.65925	730.89898	730.89996	730.79998	28.96517	29.19999	28.8	28.28126	28.6	28.1	37.79406	37.90454	37.71058	0.6839	0.99999	0.49999	23.90575	0.0385	23.905	220424905	4030125	86
08/22/2017 19:04:17	16.67237	16.6905	16.6581	730.89996	730.89996	730.89996	28.76923	28.89999	28.59999	28.11964	28.3	27.8	37.73961	37.87683	37.59975	0.64958	0.9	0.49999	23.98896	0.03847	23.98833	220424905	4030125	86
08/22/2017 19:09:17	2.05482	16.67909	0	730.89996	730.89996	730.89996	28.3735	28.49999	28.19999	27.3694	27.7	27.1	18.19571	37.87683	15.18398	1.0041	1.29999	0.69999	24.00153	0	24.00055	220424905	4030125	86
08/22/2017 19:14:17	0	0	0	730.87249	730.89996	730.79998	28.21008	28.59999	27.99999	27.02939	27.4	26.5	15.41009	15.48877	15.32252	1.18069	1.8	0.59999	24.00153	0	24.00055	220424905	4030125	86
08/22/2017 19:19:17	0	0	0	730.87249	730.89996	730.79998	28.21008	28.59999	27.99999	27.02939	27.4	26.5	15.41009	15.48877	15.32252	1.18069	1.8	0.59999	24.00153	0	24.00055	220424905	4030125	86
08/22/2017 19:24:17	0	0	0	730.79998	730.79998	730.79998	27.97291	28.89999	27.49999	26.94892	27.2	26.4	15.51323	15.65502	15.43336	1.02399	1.79999	0.49999	24.00153	0	24.00055	220424905	4030125	86
08/22/2017 19:29:17	0	0	0	730.87481	730.89996	730.79998	27.60613	29.19999	26.49999	26.72428	27.5	25.4	15.49601	15.57189	15.43336	1.01629	2.69999	0.39999	24.00153	0	24.00055	220424905	4030125	86
08/22/2017 19:34:17	0	0	0	730.89996	730.89996	730.89996	27.36524	28.49999	25.8	26.21522	27.7	24.4	15.45661	15.5996	15.40565	1.33772	2.69999	0.09999	24.00153	0	24.00055	220424905	4030125	86
08/22/2017 19:39:17	0	0	0	730.89996	730.89996	730.89996	27.21401	28.49999	26.3	25.99497	26.9	25.1	15.44088	15.48877	15.40565	1.26604	2.69999	0.09999	24.00153	0	24.00055	220424905	4030125	86
08/22/2017 19:44:17	0	0	0	730.89996	730.89996	730.89996	26.58798	26.89999	26.39999	25.2631	25.6	25.1	15.36186	15.40565	15.2671	1.32488	1.59999	0.89999	24.00153	0	24.00055	220424905	4030125	86
08/22/2017 19:49:17	0	0	0	730.89996	730.89996	730.89996	26.34235	26.49999	26.19999	24.96246	25.2	24.8	15.24406	15.29481	15.21169	1.37989	1.59999	1.09999	24.00153	0	24.00055	220424905	4030125	86
08/22/2017 19:54:17	0	0	0	730.89996	730.89996	730.89996	26.34235	26.49999	26.19999	24.96246	25.2	24.8	15.24406	15.29481	15.21169	1.37989	1.59999	1.19999	24.00153	0	24.00055	220424896	4030225	86
08/22/2017 19:59:17	13.84663	16.70515	0	730.85742	730.89996	730.79998	25.41651	25.8	25.19999	24.37604	24.6	24.2	29.23327	32.30752	15.21169	1.04047	1.3	0.8	0.07044	0.03803	0.07166	220424896	4030225	86
08/22/2017 20:04:17	13.84663	16.70515	0	730.85742	730.89996	730.79998	25.41651	25.8	25.19999	24.37604	24.6	24.2	29.23327	32.30752	15.21169	1.04047	0.99999	0.49999	0.15382	0	0.15472	220424896	4030225	86
08/22/2017 20:09:17	16.67674	16.69996	16.6524	730.79998	730.79998	730.79998	24.94838	25.19999	24.59999	24.10607	24.2	23.9	32.0242	32.16898	31.8919	0.8423	0.69999	0.4	0.23719	0.01741	0.23833	220424896	4030225	86
08/22/2017 20:14:17	16.67485	16.6893	16.65154	730.79998	730.79998	730.79998	24.4625	24.59999	24.3	23.88861	24.1	23.8	32.06376	32.16898	31.91961	0.57388	0.69999	0.4	0.32058	0.03797	0.32138	220424896	4030225	86
08/22/2017 20:19:17	16.67547	16.69905	16.65554	730.79998	730.79998	730.79998	23.71213	23.89999	23.39999	23.59863	23.8	23.5	31.97484	32.03044	31.91961	0.15367	0.3	0	0.40396	0	0.405	220424896	4030225	86
08/22/2017 20:24:17	16.67547	16.69905	16.65554	730.79998	730.79998	730.79998	23.71213	23.89999	23.39999	23.59863	23.8	23.5	31.97484	32.03044	31.91961	0.15367	0.3	0	0.48732	0.03795	0.48805	220424896	4030225	86
08/22/2017 20:29:17	16.67263	16.68748	16.66041	730.79998	730.79998	730.79998	23.32546	23.49999	23.19999	23.51008	23.6	23.4	31.94611	32.05815	31.83649	0.18462	0.3	0	0.5707	0	0.57138	220424896	4030225	86
08/22/2017 20:34:17	16.67449	16.69234	16.65949	730.79998	730.79998	730.79998	23.03838	23.3	22.8	23.38662	23.5	23.3	31.93672	32.00274	31.83649	0.34824	0.7	0.1	0.65407	0.07575	0.65472	220424896	4030225	86
08/22/2017 20:39:17	16.67454	16.69528	16.65949	730.79998	730.79998	730.79998	22.78323	22.89999	22.69999	23.20898	23.4	22.9	31.95473	32.03044	31.86419	0.42575	0.6	0.1	0.73745	0.07919	0.73805	220424896	4030225	86
08/22/2017 20:44:17	16.67768	16.70011	16.65761	730.79998	730.79998	730.79998	22.23961	22.3	22.19999	22.92142	23.2	22.9	31.97149	32.08586	31.8919	0.68181	0.9	0.6	0.82083	0	0.82166	220424896	4030225	86
08/22/2017 20:49:17	16.67768	16.70011	16.65761	730.79998	730.79998	730.79998	22.23961	22.3	22.19999	22.92142	23.2	22.9	31.97149	32.08586	31.8919	0.68181	0.9	0.6	0.9042	0.02066	0.90472	220424896	4030225	86
08/22/2017 20:54:17	16.67401	16.68949	16.65182	730.79998	730.79998	730.79998	21.91278	21.99999	21.69999	22.79665	22.9	22.7	31.91682	32.00274	31.80878	0.88387	1.1	0.7	0.98758	0	0.98833	220424896	4030225	86
08/22/2017 20:59:17	16.67401	16.68949	16.65182	730.79998	730.79998	730.79998	21.91278	21.99999	21.69999	22.79665	22.9	22.7	31.91682	32.00274	31.80878	0.88387	1.1	0.6	1.07094	0	1.07138	220424896	4030225	86
08/22/2017 21:04:17	16.67197	16.6943	16.64988	730.79998	730.79998	730.79998	21.67321	21.89999	21.59999	22.55528	22.8	22.2	31.92843	32.00274	31.80878	0.88206	1.1	0.6	1.15431	0.03781	1.15472	220424896	4030225	86
08/22/2017 21:09:17	16.67396	16.69231	16.64889	730.79998	730.79998	730.79998	21.36653	21.49999	21.3	22.12976	22.4	21.7	31.86887	31.97503	31.72566	0.76322	1.1	0.4	1.23767	0.01699	1.23833	220424896	4030225	86
08/22/2017 21:14:17	16.67396	16.69231	16.64889	730.79998	730.79998	730.79998	21.36653	21.49999	21.3	22.12976	22.4	21.7	31.86887	31.97503	31.72566	0.76322	1.1	0.4	1.32105	0.01697	1.32138	220424896	4030225	86
08/22/2017 21:19:17	16.67504	16.68814	16.66116	730.79998	730.79998	730.79998	21.22624	21.39999	20.99999	21.56638	21.7	21.5	31.92946	32.05815	31.83649	0.34013	0.7	0.2	1.40444	0	1.40472	220424896	4030225	86
08/22/2017 21:24:17	16.67693	16.70666	16.65745	730.79998	730.79998	730.79998	20.97313	20.99999	20.89999	21.99604	22.2	21.6	31.81504	31.97503	31.67024	1.02291	1.2	0.6	1.48781	0.03771	1.48805	220424896	4030225	86
08/22/2017 21:29:17	16.67287	16.69524	16.65059	730.75665	730.79998	730.69995	20.71945	20.89999	20.49999	21.31814	21.6	21.1	31.85117	31.97503	31.75337	0.59868	0.8	0.4	1.57117	0.00838	1.57166	220424896	4030225	86
08/22/2017 21:34:17	16.67287	16.69524	16.65059	730.75665	730.79998	730.69995	20.71945	20.89999	20.49999	21.31814	21.6	21.1	31.85117	31.97503	31.75337	0.59868	0.6	0.2	1.65455	0.02081	1.65472	220424896	4030225	86
08/22/2017 21:39:17	16.67611	16.69069	16.65792	730.79095	730.79998	730.69995	20.56576	20.69999	20.39999	20.94229	21.1	20.8	31.85284	32.00274	31.78107	0.37653	0.6	0.2	1.73791	0.03346	1.73805	220424896	4030225	86
08/22/2017 21:44:17	16.67321	16.6873	16.65568	730.79998	730.79998	730.79998	20.3631	20.49999	20.19999	20.60879	20.9	20.3	31.8457	31.94732	31.78107	0.24568	0.5	0	1.82128	0.02083	1.82138	220424896	4030225	86
08/22/2017 21:49:17	16.6746	16.69783	16.66508	730.80096	730.89996	730.79998	20.22282	20.3	20.09999	20.36308	20.5	20.3	31.83907	31.97503	31.64253	0.14025	0.3	0	1.90466	0.07508	1.90472	220424896	4030225	86
08/22/2017 21:54:17	16.67376	16.70369	16.64405	730.75634	730.79998	730.69995	19.82619	19.89999	19.69999	20.21947	20.3	19.9	31.77003	31.97503	31.61482	0.39328	0.5	0.1	1.98802	0.08749	1.98833	220424896	4030225	86
08/22/2017 21:59:17	16.67419	16.69198	16.65457	730.69995	730.69995	730.69995	19.6765	19.8	19.59999	19.90472	20.2	19.8	31.9226	32.00274	31.83649	0.22821	0.5	0.1	2.07139	0.03748	2.07166	220424896	4030225	86
08/22/2017 22:04:17	16.67419	16.69198	16.65457	730.69995	730.69995	730.69995	19.6765	19.8	19.59999	19.90472	20.2	19.8	31.9226	32.00274	31.83649	0.22821	0.5	0.1	2.15478	0.02091	2.15472	220424896	4030225	86
08/22/2017 22:09:17	16.67474	16.68709	16.64512	730.69995	730.69995	730.69995	19.26178	19.49999	19.19999	19.21884	19.4	19.1	32.03728	32.14128	31.91961	0.04294	0.09999	0	2.23815	0.02092	2.23833	220424896	4030225	86
08/22/2017 22:14:17	16.67474	16.68709	16.64512	730.69995	730.69995	730.69995	19.26178	19.49999	19.19999	19.21884	19.4	19.1	32.03728	32.14128	31.91961	0.04294	0.09999	0	2.3215	0	2.32138	220424896	4030225	86
08/22/2017 22:19:17	16.67198	16.69171	16.64975	730.69995	730.69995	730.69995	19.07589	19.19999	18.99999	19.06983	19.2	18.8	32.04761	32.16898	31.94732	0.05303	0.19999	0	2.40488	0	2.40472	220424896	4030225	86
08/22/2017 22:24:17	16.67596	16.69171	16.6521	730.61407	730.69995	730.59997	18.90606	18.99999	18.69999	19.13086	19.3	19	32.09625	32.1967	32.00274	0.22479	0.5	0	2.48827	0	2.48805	220424896	4030225	86

08/22/2017 22:29:17	16.67822	16.69993	16.6521	730.59997	730.59997	730.59997	18.65976	18.89999	18.59999	19.18992	19.2	19.1	32.09648	32.25211	32.03044	0.53016	0.6	0.3	2.57168	0.03742	2.57138	220424896	4030225	86
08/22/2017 22:34:17	16.67873	16.68944	16.65796	730.59997	730.59997	730.59997	18.46592	18.59999	18.3	19.22013	19.3	19.2	32.1683	32.27982	32.08586	0.7542	0.9	0.6	2.65508	0	2.65472	220424896	4030225	86
08/22/2017 22:39:17	16.67855	16.69531	16.65796	730.59997	730.59997	730.59997	18.35034	18.39999	18.3	19.21006	19.3	19.2	32.16656	32.25211	32.05815	0.85972	0.9	0.8	2.73847	0.03743	2.73805	220424896	4030225	86
08/22/2017 22:44:17	16.67674	16.69068	16.65918	730.59997	730.59997	730.59997	18.21605	18.3	17.99999	19.28729	19.4	19.1	32.13726	32.2244	32.05815	1.07124	1.4	0.8	2.82183	0	2.82138	220424896	4030225	86
08/22/2017 22:49:17	16.67148	16.69191	16.65918	730.59997	730.59997	730.59997	18.00672	18.09999	17.89999	19.57983	19.6	19.4	32.12784	32.30752	31.97503	1.57311	1.7	1.3	2.9052	0.00438	2.90472	220424896	4030225	86
08/22/2017 22:54:17	16.67704	16.68944	16.65796	730.59997	730.59997	730.59997	17.87317	17.89999	17.8	19.22281	19.3	19.1	32.23881	32.30752	32.16898	1.34964	1.5	1.2	2.9886	0.05832	2.98833	220424896	4030225	86
08/22/2017 22:59:17	16.67704	16.68944	16.65796	730.59997	730.59997	730.59997	17.87317	17.89999	17.8	19.22281	19.3	19.1	32.23881	32.30752	32.16898	1.34964	1.5	1.2	3.07197	0.09571	3.07138	220424896	4030225	86
08/22/2017 23:04:17	16.67477	16.69406	16.65547	730.59997	730.59997	730.59997	17.77715	17.89999	17.69999	19.03898	19.2	18.8	32.23313	32.33523	32.16898	1.26183	1.5	1	3.15535	0	3.15472	220424896	4030225	86
08/22/2017 23:09:17	16.67594	16.68926	16.66242	730.50201	730.59997	730.5	17.67993	17.69999	17.49999	18.75373	18.8	18.7	32.3013	32.44606	32.2244	1.07379	1.3	1	3.23874	0	3.23833	220424896	4030225	86
08/22/2017 23:14:17	16.67594	16.68926	16.66242	730.50201	730.59997	730.5	17.67993	17.69999	17.49999	18.75373	18.8	18.7	32.3013	32.44606	32.2244	1.07379	1.3	1	3.32212	0.03733	3.32138	220424896	4030225	86
08/22/2017 23:19:17	16.6745	16.68797	16.65655	730.50402	730.59997	730.5	17.54908	17.69999	17.39999	18.64634	18.7	18.5	32.3778	32.47377	32.25211	1.09725	1.2	0.9	3.40551	0.02895	3.40472	220424896	4030225	86
08/22/2017 23:24:17	16.67383	16.69256	16.65397	730.50201	730.59997	730.5	17.32352	17.39999	17.3	18.42613	18.5	18.2	32.38407	32.44606	32.30752	1.1026	1.2	0.9	3.48888	0.02564	3.48833	220424896	4030225	86
08/22/2017 23:29:17	16.67383	16.69256	16.65397	730.50201	730.59997	730.5	17.32352	17.39999	17.3	18.42613	18.5	18.2	32.38407	32.44606	32.30752	1.1026	1.2	0.9	3.57224	0.03732	3.57166	220424896	4030225	86
08/22/2017 23:34:17	16.67583	16.69714	16.65397	730.50097	730.59997	730.5	17.28325	17.39999	17.19999	18.34758	18.5	18.2	32.40163	32.50148	32.30752	1.06433	1.2	0.9	3.65561	0.02564	3.65472	220424896	4030225	86
08/22/2017 23:39:17	16.67517	16.69714	16.66444	730.5	730.5	730.5	17.1195	17.19999	16.89999	18.25369	18.4	18.2	32.51709	32.72314	32.36294	1.13419	1.5	1	3.73897	0	3.73833	220424896	4030225	86
08/22/2017 23:44:17	16.67517	16.69714	16.66444	730.5	730.5	730.5	17.1195	17.19999	16.89999	18.25369	18.4	18.2	32.51709	32.72314	32.36294	1.13419	1.5	1	3.82233	0.04196	3.82138	220424896	4030225	86
08/22/2017 23:49:17	16.67539	16.69714	16.66444	730.5	730.5	730.5	16.94564	17.09999	16.89999	18.30276	18.5	18.2	32.52124	32.66773	32.39065	1.35711	1.6	1.1	3.90571	0.03733	3.90472	220424896	4030225	86
08/22/2017 23:54:17	16.67696	16.69386	16.65655	730.5	730.5	730.5	16.80335	16.89999	16.69999	18.61006	18.7	18.6	32.48399	32.64003	32.36294	1.80671	1.9	1.7	3.98911	0.03733	3.98833	220424896	4030225	86
08/22/2017 23:59:17	16.67696	16.69386	16.65655	730.5	730.5	730.5	16.80335	16.89999	16.69999	18.61006	18.7	18.6	32.48399	32.64003	32.36294	1.80671	1.9	1.7	4.0725	0.02096	4.07138	220424896	4030225	86
08/23/2017 00:04:17	16.67605	16.69386	16.66242	730.5	730.5	730.5	16.71341	16.8	16.69999	18.6268	18.7	18.6	32.50038	32.66773	32.36294	1.91338	2	1.8	4.15589	0	4.155	220424896	4030225	86
08/23/2017 00:09:17	16.67605	16.69386	16.66242	730.5	730.5	730.5	16.71341	16.8	16.69999	18.6268	18.7	18.6	32.50038	32.66773	32.36294	1.91338	2	1.8	4.23926	0.01637	4.23805	220424896	4030225	86
08/23/2017 00:14:17	16.67373	16.69844	16.66702	730.5	730.5	730.5	16.67988	16.69999	16.59999	18.68054	18.7	18.6	32.5579	32.69544	32.44606	2.00065	2.1	1.9	4.32261	0	4.32166	220424896	4030225	86
08/23/2017 00:19:17	16.67373	16.69844	16.66702	730.5	730.5	730.5	16.67988	16.69999	16.59999	18.68054	18.7	18.6	32.5579	32.69544	32.44606	2.00065	2.1	1.9	4.40597	0.03734	4.40472	220424896	4030225	86
08/23/2017 00:24:17	16.6754	16.69844	16.66702	730.5	730.5	730.5	16.65033	16.69999	16.59999	18.65039	18.7	18.6	32.59355	32.77856	32.44606	2.00006	2.1	1.9	4.48934	0.03734	4.48805	220424896	4030225	86
08/23/2017 00:29:17	16.67657	16.69386	16.66702	730.5	730.5	730.5	16.6302	16.69999	16.59999	18.62012	18.7	18.6	32.72197	32.9171	32.5569	1.98992	2	1.9	4.5727	0.02096	4.57166	220424896	4030225	86
08/23/2017 00:34:17	16.67341	16.69714	16.66115	730.5	730.5	730.5	16.60336	16.69999	16.59999	18.4256	18.6	18.2	32.82639	32.97251	32.61231	1.82224	2	1.6	4.65607	0.0373	4.655	220424896	4030225	86
08/23/2017 00:39:17	16.67341	16.69714	16.66115	730.5	730.5	730.5	16.60336	16.69999	16.59999	18.4256	18.6	18.2	32.82639	32.97251	32.61231	1.82224	2	1.6	4.73945	0	4.73805	220424896	4030225	86
08/23/2017 00:44:17	16.67496	16.68992	16.65397	730.5	730.5	730.5	16.58657	16.59999	16.49999	18.20333	18.4	18.1	32.87748	33.00022	32.69544	1.61676	1.9	1.5	4.82282	0	4.82138	220424896	4030225	86
08/23/2017 00:49:17	16.67111	16.68585	16.65455	730.5	730.5	730.5	16.55972	16.59999	16.3	17.70617	17.8	17.5	32.97054	33.02793	32.88939	1.14644	1.3	0.9	4.90617	0.07446	4.905	220424896	4030225	86
08/23/2017 00:54:17	16.67111	16.68585	16.65455	730.5	730.5	730.5	16.55972	16.59999	16.3	17.70617	17.8	17.5	32.97054	33.02793	32.88939	1.14644	1.3	0.9	4.98953	0.00483	4.98805	220424896	4030225	86
08/23/2017 00:59:17	16.67185	16.69312	16.65001	730.49902	730.5	730.39996	16.3	16.3	16.3	17.64713	17.8	17.5	32.98987	33.11106	32.86168	1.34713	1.5	1.2	5.07288	0.00837	5.07166	220424896	4030225	86
08/23/2017 01:04:17	16.67568	16.69038	16.65909	730.46954	730.5	730.39996	16.28664	16.3	16.19999	17.45308	17.5	17.3	33.06383	33.16647	32.97251	1.16643	1.3	1	5.15624	0.01613	5.155	220424896	4030225	86
08/23/2017 01:09:17	16.67568	16.69038	16.65909	730.46954	730.5	730.39996	16.28664	16.3	16.19999	17.45308	17.5	17.3	33.06383	33.16647	32.97251	1.16643	1.3	1	5.2396	0	5.23805	220424896	4030225	86
08/23/2017 01:14:17	16.67549	16.68682	16.65553	730.41204	730.5	730.39996	16.23286	16.3	16.19999	17.3168	17.4	17.3	33.07107	33.16647	32.97251	1.08393	1.2	1	5.32297	0	5.32138	220424896	4030225	86
08/23/2017 01:19:17	16.67613	16.69864	16.66143	730.39996	730.39996	730.39996	16.10944	16.19999	15.99999	17.51279	17.6	17.4	33.0144	33.19418	32.9171	1.40335	1.5	1.3	5.40634	0	5.405	220424896	4030225	86
08/23/2017 01:24:17	16.67613	16.69864	16.66143	730.39996	730.39996	730.39996	16.10944	16.19999	15.99999	17.51279	17.6	17.4	33.0144	33.19418	32.9171	1.40335	1.5	1.3	5.48972	0.05825	5.48805	220424896	4030225	86
08/23/2017 01:29:17	16.67144	16.69134	16.64826	730.39996	730.39996	730.39996	15.97991	15.99999	15.89999	17.17248	17.3	16.9	33.15701	33.22189	33.08335	1.19256	1.3	0.9	5.57308	0.03719	5.57166	220424896	4030225	86
08/23/2017 01:34:17	16.67144	16.69134	16.64826	730.39996	730.39996	730.39996	15.97991	15.99999	15.89999	17.17248	17.3	16.9	33.15701	33.22189	33.08335	1.19256	1.3	0.9	5.65645	0.03715	5.65472	220424896	4030225	86
08/23/2017 01:39:17	16.6752	16.69725	16.66006	730.39996	730.39996	730.39996	15.93289	15.99999	15.89999	17.27987	17.3	17.2	33.15804	33.24959	33.05564	1.34697	1.4	1.2	5.7398	0.02105	5.73805	220424896	4030225	86
08/23/2017 01:44:17	16.67639	16.68682	16.66596	730.39996	730.39996	730.39996	15.85971	15.89999	15.69999	17.3	17.4	17.2	33.14471	33.24959	33.05564	1.44029	1.6	1.4	5.82316	0.03718	5.82138	220424896	4030225	86
08/23/2017 01:49:17	16.67538	16.68682	16.66006	730.39996	730.39996	730.39996	15.66313	15.69999	15.59999	17.28998	17.4	17.2	33.17271	33.24959	33.08335	1.62685	1.7	1.5	5.90652	0	5.905	220424896	4030225	86
08/23/2017 01:54:17	16.67538	16.68682	16.66006	730.39996	730.39996	730.39996	15.66313	15.69999	15.59999	17.28998	17.4	17.2	33.17271	33.24959	33.08335	1.62685	1.7	1.5	5.98987	0	5.98805	220424896	4030225	86
08/23/2017 01:59:17	16.67101	16.68091	16.65867	730.39996	730.39996	730.39996	15.63961	15.69999	15.59999	17.16991	17.2	16.9	33.1753	33.2773	33.08335	1.5303	1.6	1.3	6.07323	0.03714	6.07138	220424896	4030225	86
08/23/2017 02:04:17	16.67455	16.69442	16.65867	730.39996	730.39996	730.39996	15.60267	15.69999	15.59999	16.99535	17.2	16.9	33.20285	33.30501	33.08335	1.39267	1.6	1.3	6.15658	0	6.15472	220424896	4030225	86
08/23/2017 02:09:17	16.6738	16.68401	16.66318	730.39996	730.39996	730.39996	15.56705	15.59999	15.39999	16.90001	17	16.8	33.29287	33.38813	33.19418	1.33295	1.5	1.2	6.23993	0	6.23805	220424896	4030225	86
08/23/2017 02:14:17	16.67607	16.68636	16.67003	730.31512	730.39996	730.29998	15.50605	15.59999	15.39999	16.90336	17	16.8	33.33221	33.41584	33.22189	1.39731	1.8	1.3	6.32329	0.02107	6.32138	220424896	4030225	86
08/23/2017 02:19:17	16.67492	16.69228	16.65511	730.30804	730.39996	730.29998	15.43364	15.59999	15.3	16.93689	17.2	16.9	33.33924	33.41584	33.24959	1.50325	1.8	1.3	6.40665	0.05323	6.40472	220424896	4030225	86
08/23/2017 02:24:17	16.67496	16.68871	16.65961	730.23925	730.29998	730.19995	15.33359	15.39999	15.3	16.86979	17	16.8	33.41014	33.55439	33.2773	1.5362	1.7	1.4	6.49002	0	6.48833	220424896	4030225	86
08/23/2017 02:29:17	16.67496	16.68871	16.65961	730.23925	730.29998	730.19995	15.33359	15.39999	15.3	16.86979	17	16.8	33.41014	33.55439	33.2773	1.5362	1.7	1.4	6.57338	0.03712	6.57138	220424896	4030225	86
08/23/2017 02:34:17	16.67435	16.68871	16.66196	730.19995	730.19995	730.19995	15.3329	15.39999	15.3	16.83692	16.9	16.8	33.48413	33.6098	33.36042	1.50402	1.6	1.4	6.65674	0.01603	6.65472	220424896	4030225	86
08/23/2017 02:39:17	16.67494	16.68871	16.66196	730.19995	730.19995	730.19995	15.2699	15.39999	15.09999	16.81739	16.9	16.7	33.51835	33.6375	33.38813	1.54748	1.8	1.3	6.74009	0	6.73833	220424896	4030225	86
08/23/2017 02:44:17	16.67494	16.68871	16.66196	730.19995	730.19995	730.19995	15.2699	15.39999	15.09999	16.81739	16.9	16.7	33.51835	33.6375	33.38813	1.54748	1.8	1.3	6.82344	0.05821	6.82138	220424896	4030225	86
08/23/2017 02:49:17	16.67438	16.69555	16.6584	730.13726	730.19995	730.09997	15.09405	15.3	14.99999	16.72623	16.8	16.6	33.57231	33.66522	33.47126	1.63217	1.8	1.3	6.90681	0	6.905	220424896	4030225	86
08/23/2017 02:54:17	16.67438	16.69555	16.6584	730.13726	730.19995	730.09997	15.09405	15.3	14.99999	16.72623	16.8	16.6	33.57231	33.66522	33.47126	1.63217	1.8	1.3	6.99016	0.00512	6.98805	220424896	4030225	86
08/23/2017 02:59:17	16.67255	16.68371	16.65106	730.09997	730.09997	730.09997	15.02283	15.09999	14.99999	16.55316	16.6	16.4	33.63567	33.74834	33.47126	1.53032	1.6	1.3	7.0735	0.0371	7.07138	220424896	4030225	86
08/23/2017 03:04:17	16.6726	16.68226	16.65106	730.09997	730.09997	730.09997	14.99999	14.99999	14.99999	16.38658	16.4	16.3	33.67533	33.77604	33.58209	1.38658	1.4	1.3	7.15686	0.01593	7.15472	220424896	4030225	86
08/23/2017 03:09:17	16.67287	16.68673	16.66002	730.09997	730.09997	730.09997	14.9832	14.99999	14.89999	16.31676	16.4	16.2	33.68112	33.77604	33.58209	1.33356	1.7	1.3	7.24022	0	7.23833	220424896	4030225	86
08/23/2017 03:14:17	16.67378	16.69412	16.65554	730.09393	730.09997	730	14.93624	14.99999	14.89999	16.44415	16.6	16.3	33.68768	33.80375	33.58209	1.50791	1.7	1.3	7.32357	0.00518	7.32138	220424896	4030225	86
08/23/2017 03:19:17	16.6723	16.68371	16.66002	730.09997	730.09997	730.09997	14.90334	14.99999	14.79999	16.52303	16.7	16.2	33.66313	33.77604	33.52668	1.61969	1.8	1.3	7.40693	0.03699	7.40472	220424896	4030225	86
08/23/2017 03:24:17	16.67149	16.69113	16.64222	730.08691	730.09997	730	14.82617	14.89999	14.69999	15.48863	15.7	15.2	33.88027	33.99771	33.72063	0.66246	0.8	0.4	7.49029	0.04531	7.48833	220424896	4030225	86
08/23/2017 03:29:17	16.67149	16.69113	16.64222	730.08691	730.09997	730	14.82617	14.89999	14.69999	15.48863	15.7	15.2	33.88027	33.99771	33.72063	0.66246	0.8	0.4	7.57366	0.03692	7.57138	220424896	4030225	86
08/23/2017 03:34:17	16.67489	16.69348	16.65257	730.03021	730.09997	730	14.74633	14.79999	14.69999	15.25569	15.5	15.2	33.911	33.97	33.83146	0.50936	1	0.5	7.65703	0	7.65472	220424896	4030225	86
08/23/2017 03:39:17	16.676	16.695	16.65794	729.99572	730	729.89996	14.63281	14.69999	14.49999	15.74157	16	15.5	33.92043	33.99771	33.80375	1.10876	1.5	0.8	7.74039	0.00838	7.73833	220424896	4030225	86
08/23/2017 03:44:17	16.676	16.695	16.65794	729.99572	730	729.89996	14.63281	14.69999	14.49999	15.74157	16	15.5	33.92043	33.99771	33.80375	1.10876	1.6	1.3	7.82374	0	7.82166	220424896	4030225	86
08/23/2017 03:49:17	16.67262	16.68403	16.65943	729.90704	730	729.89996	14.47179	14.69999	14.29999	15.86574	16	15.8	33.9223	33.99771	33.83146	1.39395	1.6	1.3	7.90709	0	7.90472	220424896	4030225	86
08/23/2017 03:54:17	16.67195	16.69141	16.66472	729.89996	729.89996	729.89996	14.29664	14.29999	14.19999	15.56315	15.6	15.5	33.94693	33.99771	33.85917	1.26651	1.3	1.2	7.99045	0.03695	7.98833	220424896	4030225	86
08/23/2017 03:59:17	16.67195	16.69141	16.66472	729.89996	729.89996	729.89996	14.29664	14.29999	14.19999	15.56315	15.6	15.5	33.94693	33.99771	33.85917	1.26651	1.3	1.2	8.07382	0.03147	8.07139	220424896	4030225	86
08/23/2017 04:04:17	16.6776	16.70025	16.65727	729.89996	729.89996	729.89996	14.15304	14.29999	14.09999	15.28591	15.5	15.2	34.03212	34.13625	33.94229	1.13287	1.4	0.9	8.15721	0.03693	8.155	220424896	4030225	86
08/23/2017 04:09:17	16.6776	16.70025	16.65727	729.89996	729.89996	729.89996	14.15304	14.29999	14.09999	15.28591	15.5	15.2	34.03212	34.13625	33.94229	1.13287	1.4	0.9	8.24063	0.03693	8.23805	220424896	4030225	86
08/23/2017 04:14:17	16.67804	16.68988	16.66763	729.89996	729.89996	729.89996	14.11344	14.19999	14.09999	15.20671	15.4	15.2	34.0201	34.10855	33.91459	1.09326	1.3	1.1	8.32408	0.03147	8.32166	220424896	4030225	86
08/23/2017 04:19:17	16.6783	16.68988	16.66763	729.89996	729.89996	729.89996	14.08656	14.09999	13.89999	15.2134	15.4	15.2	34.03938	34.13625	33.91459	1.12684	1.3	1.1	8.40752	0.03693	8.40472	220424896	4030225	86
08/23/2017 04:24:17	16.67374	16.68835	16.65573	729.89996	729.89996	729.89996	13.89664	13.89999	13.79999	15.03301	15.2	14.9	34.11956	34.19167	34.02542	1.13637	1.3	1	8.49095	0.04246	8.48833	220424896	4030225	86

08/23/2017 04:29:17	16.67374	16.68835	16.65573	729.89996	729.89996	729.89996	13.89664	13.89999	13.79999	15.03301	15.2	14.9	34.11956	34.19167	34.02542	1.13637	1.3	1	8.57442	0.03692	8.57139	220424896	4030225	86
08/23/2017 04:34:17	16.67266	16.69275	16.66014	729.89996	729.89996	729.89996	13.79059	13.89999	13.69999	14.95302	15.1	14.9	34.13584	34.21937	34.05313	1.16242	1.4	1	8.65785	0.05814	8.655	220424896	4030225	86
08/23/2017 04:39:17	16.67266	16.69275	16.66014	729.89996	729.89996	729.89996	13.79059	13.89999	13.69999	14.95302	15.1	14.9	34.13584	34.21937	34.05313	1.16242	1.3	1.1	8.74133	0	8.73833	220424896	4030225	86
08/23/2017 04:44:17	16.67088	16.68679	16.66014	729.89996	729.89996	729.89996	13.74635	13.79999	13.69999	14.90672	15	14.9	34.15898	34.27478	34.02542	1.16036	1.3	1.1	8.8248	0.01567	8.82139	220424896	4030225	86
08/23/2017 04:49:17	16.6715	16.69118	16.66014	729.89996	729.89996	729.89996	13.69999	13.79999	13.59999	14.8832	14.9	14.8	34.17873	34.3025	34.08083	1.18321	1.3	1.1	8.90824	0.0369	8.90472	220424896	4030225	86
08/23/2017 04:54:17	16.67213	16.68522	16.66014	729.89996	729.89996	729.89996	13.66312	13.69999	13.59999	14.85632	14.9	14.8	34.21417	34.3025	34.08083	1.1932	1.3	1.1	8.99172	0	8.98805	220424896	4030225	86
08/23/2017 04:59:17	16.67502	16.68915	16.66248	729.81512	729.89996	729.79998	13.60672	13.69999	13.49999	14.93685	15.1	14.8	34.25646	34.38562	34.16396	1.33013	1.5	1.1	9.07518	0.0369	9.07139	220424896	4030225	86
08/23/2017 05:04:17	16.67309	16.68679	16.65808	729.87176	729.89996	729.79998	13.59598	13.69999	13.49999	14.93965	15.1	14.8	34.24792	34.3302	34.19167	1.34366	1.5	1.2	9.15862	0	9.15472	220424896	4030225	86
08/23/2017 05:09:17	16.67356	16.68522	16.65701	729.89996	729.89996	729.89996	13.54962	13.59999	13.29999	14.67176	14.9	14.5	34.27202	34.38562	34.19167	1.12214	1.6	1	9.24208	0.02851	9.23833	220424896	4030225	86
08/23/2017 05:14:17	16.67338	16.68522	16.66297	729.89495	729.89996	729.79998	13.32685	13.49999	13.29999	14.70878	14.9	14.6	34.30383	34.38562	34.21937	1.38193	1.6	1.1	9.32554	0	9.32166	220424896	4030225	86
08/23/2017 05:19:17	16.67338	16.68522	16.66297	729.89495	729.89996	729.79998	13.32685	13.49999	13.29999	14.70878	14.9	14.6	34.30383	34.38562	34.21937	1.38193	1.6	1.1	9.409	0.04531	9.40472	220424896	4030225	86
08/23/2017 05:24:17	16.67468	16.69557	16.66014	729.89868	729.89996	729.79998	13.30338	13.49999	13.19999	14.81111	15.1	14.6	34.26223	34.3302	34.19167	1.50772	1.9	1.7	9.49246	0.03693	9.48833	220424896	4030225	86
08/23/2017 05:29:17	16.67436	16.68475	16.66403	729.80804	729.89996	729.79998	13.28992	13.29999	13.19999	15.11678	15.2	15	34.28361	34.38562	34.19167	1.82685	1.9	1.7	9.57593	0	9.57139	220424896	4030225	86
08/23/2017 05:34:17	16.67455	16.6907	16.66403	729.79998	729.79998	729.79998	13.27984	13.29999	13.19999	15.1496	15.2	15.1	34.28374	34.38562	34.21937	1.86976	2	1.8	9.65939	0	9.655	220424896	4030225	86
08/23/2017 05:39:17	16.67458	16.6907	16.65961	729.79998	729.79998	729.79998	13.26984	13.29999	13.19999	15.16647	15.2	15.1	34.31733	34.46875	34.19167	1.89662	2	1.8	9.74287	0	9.73833	220424896	4030225	86
08/23/2017 05:44:17	16.67458	16.6907	16.65961	729.79998	729.79998	729.79998	13.26984	13.29999	13.19999	15.16647	15.2	15.1	34.31733	34.46875	34.19167	1.89662	2	1.8	9.82636	0	9.82139	220424896	4030225	86
08/23/2017 05:49:17	16.67411	16.68475	16.66403	729.79998	729.79998	729.79998	13.26982	13.29999	13.19999	15.12349	15.2	15.1	34.40773	34.52416	34.3025	1.85367	2	1.8	9.90981	0	9.905	220424896	4030225	86
08/23/2017 05:54:17	16.67411	16.68475	16.66403	729.79998	729.79998	729.79998	13.26982	13.29999	13.19999	15.12349	15.2	15.1	34.40773	34.52416	34.3025	1.85367	2	1.8	9.99328	0.02121	9.98805	220424896	4030225	86
08/23/2017 05:59:17	16.67482	16.6907	16.66403	729.79193	729.79998	729.69995	13.28322	13.29999	13.19999	15.11341	15.2	15.1	34.41593	34.57958	34.3025	1.83019	2	1.8	10.07676	0	10.07139	220424896	4030225	86
08/23/2017 06:04:17	16.67659	16.68915	16.66248	729.79998	729.79998	729.79998	13.29663	13.29999	13.19999	15.00402	15.1	14.9	34.41809	34.52416	34.3302	1.70738	1.9	1.6	10.16021	0	10.155	220424896	4030225	86
08/23/2017 06:09:17	16.67659	16.68915	16.66248	729.79998	729.79998	729.79998	13.29663	13.29999	13.19999	15.00402	15.1	14.9	34.41809	34.52416	34.3302	1.70738	1.9	1.6	10.24367	0.02124	10.23805	220424896	4030225	86
08/23/2017 06:14:17	16.67323	16.68679	16.65573	729.89996	729.89996	729.89996	13.27984	13.29999	13.19999	14.99394	15.1	14.9	34.38224	34.46875	34.24708	1.71409	1.9	1.6	10.32712	0	10.32166	220424896	4030225	86
08/23/2017 06:19:17	16.67323	16.68679	16.65573	729.89996	729.89996	729.89996	13.27984	13.29999	13.19999	14.99394	15.1	14.9	34.38224	34.46875	34.24708	1.71409	1.9	1.6	10.41058	0	10.40472	220424896	4030225	86
08/23/2017 06:24:17	16.67245	16.69275	16.66014	729.89996	729.89996	729.89996	13.27985	13.29999	13.19999	14.95037	15.1	14.9	34.42909	34.52416	34.3302	1.67052	1.9	1.6	10.49403	0.02122	10.48805	220424896	4030225	86
08/23/2017 06:29:17	16.67091	16.68083	16.66014	729.89996	729.89996	729.89996	13.26642	13.29999	13.19999	14.89665	14.9	14.8	34.43663	34.55188	34.35791	1.63022	1.7	1.5	10.57749	0.0369	10.57166	220424896	4030225	86
08/23/2017 06:34:17	16.67091	16.68083	16.66014	729.89996	729.89996	729.89996	13.26642	13.29999	13.19999	14.89665	14.9	14.8	34.43663	34.55188	34.35791	1.63022	1.7	1.5	10.66096	0	10.65472	220424896	4030225	86
08/23/2017 06:39:17	16.67145	16.68679	16.66014	729.89996	729.89996	729.89996	13.2671	13.29999	13.19999	14.9161	15	14.9	34.42058	34.52416	34.3302	1.649	1.8	1.6	10.74441	0.02122	10.73805	220424896	4030225	86
08/23/2017 06:44:17	16.67172	16.68083	16.66014	729.89996	729.89996	729.89996	13.25306	13.29999	13.19999	14.87648	14.9	14.8	34.45364	34.60729	34.35791	1.62341	1.7	1.5	10.82785	0.05812	10.82166	220424896	4030225	86
08/23/2017 06:49:17	16.67172	16.68083	16.66014	729.89996	729.89996	729.89996	13.25306	13.29999	13.19999	14.87648	14.9	14.8	34.45364	34.60729	34.35791	1.62341	1.7	1.5	10.9113	0.00561	10.90472	220424896	4030225	86
08/23/2017 06:54:17	16.67344	16.69557	16.65419	729.89996	729.89996	729.89996	13.24301	13.29999	13.19999	14.70953	14.9	14.6	34.48778	34.60729	34.38562	1.46651	1.7	1.3	10.99477	0	10.98805	220424896	4030225	86
08/23/2017 06:59:17	16.67483	16.68801	16.66062	729.9718	730	729.89996	13.25364	13.29999	13.19999	14.52954	14.6	14.4	34.56514	34.71811	34.38562	1.29326	1.4	1.2	11.07822	0.02127	11.07166	220424896	4030225	86
08/23/2017 07:04:17	16.67483	16.68801	16.66062	729.9718	730	729.89996	13.25364	13.29999	13.19999	14.52012	14.6	14.4	34.58283	34.71811	34.49646	1.26647	1.4	1.2	11.16167	0.01554	11.15472	220424896	4030225	86
08/23/2017 07:09:17	16.67478	16.69002	16.66105	730.04156	730.09997	730	13.2328	13.29999	13.19999	14.35965	14.5	14.3	34.60641	34.74583	34.52416	1.12684	1.3	1	11.24512	0.0581	11.23833	220424896	4030225	86
08/23/2017 07:14:17	16.67478	16.69002	16.66105	730.04156	730.09997	730	13.2328	13.29999	13.19999	14.35965	14.5	14.3	34.60641	34.74583	34.52416	1.12684	1.3	1	11.32856	0.0057	11.32139	220424896	4030225	86
08/23/2017 07:19:17	16.67472	16.68767	16.65669	730.09997	730.09997	730.09997	13.21002	13.29999	13.09999	14.45035	14.5	14.3	34.57586	34.77353	34.44104	1.24032	1.4	1.1	11.41201	0	11.405	220424896	4030225	86
08/23/2017 07:24:17	16.67472	16.68767	16.65669	730.09997	730.09997	730.09997	13.21002	13.29999	13.09999	14.45035	14.5	14.3	34.57586	34.77353	34.44104	1.24032	1.4	1.1	11.49547	0	11.48805	220424896	4030225	86
08/23/2017 07:29:17	16.67498	16.68928	16.66265	730.09997	730.09997	730.09997	13.23349	13.29999	13.19999	14.53013	14.6	14.5	34.51861	34.63499	34.44104	1.29665	1.4	1.2	11.57896	0.02126	11.57166	220424896	4030225	86
08/23/2017 07:34:17	16.67403	16.68928	16.66265	730.09997	730.09997	730.09997	13.24024	13.29999	13.19999	14.52005	14.6	14.5	34.5504	34.63499	34.49646	1.27981	1.4	1.2	11.66244	0.05812	11.655	220424896	4030225	86
08/23/2017 07:39:17	16.67403	16.68928	16.66265	730.09997	730.09997	730.09997	13.24024	13.29999	13.19999	14.52005	14.6	14.5	34.5504	34.63499	34.49646	1.27981	1.4	1.2	11.74591	0	11.73805	220424896	4030225	86
08/23/2017 07:44:17	16.67716	16.68928	16.66265	730.09997	730.09997	730.09997	13.28389	13.29999	13.19999	14.5664	14.6	14.5	34.57252	34.6627	34.46875	1.2825	1.4	1.2	11.82939	0.03685	11.82139	220424896	4030225	86
08/23/2017 07:49:17	16.67841	16.68928	16.66265	730.11938	730.19995	730.09997	13.30335	13.49999	13.19999	14.6032	14.8	14.5	34.56544	34.63499	34.49646	1.29984	1.5	1.1	11.91284	0	11.90472	220424896	4030225	86
08/23/2017 07:54:17	16.67763	16.68851	16.66626	730.19995	730.19995	730.19995	13.37053	13.59999	13.29999	14.76774	14.9	14.6	34.55105	34.63499	34.46875	1.39721	1.6	1	11.99631	0	11.98805	220424896	4030225	86
08/23/2017 07:59:17	16.67614	16.68851	16.66344	730.19995	730.19995	730.19995	13.5316	13.59999	13.29999	14.84629	14.9	14.6	34.45385	34.55188	34.3302	1.31468	1.6	1	12.07979	0	12.07139	220424896	4030225	86
08/23/2017 08:04:17	16.67491	16.6857	16.66264	730.20294	730.29998	730.19995	13.60663	13.69999	13.49999	14.97704	15.1	14.9	34.43864	34.57958	34.3302	1.37041	1.5	1.2	12.16325	0.03692	12.15472	220424896	4030225	86
08/23/2017 08:09:17	16.67412	16.69165	16.66499	730.20398	730.29998	730.19995	13.67313	13.69999	13.59999	15.1195	15.2	15	34.44411	34.55188	34.35791	1.44636	1.7	1.4	12.24671	0.03694	12.23833	220424896	4030225	86
08/23/2017 08:14:17	16.67213	16.6857	16.66058	730.19995	730.19995	730.19995	13.72341	13.79999	13.69999	15.21074	15.4	15.1	34.46864	34.57958	34.35791	1.48732	1.7	1.4	12.33016	0.00546	12.32139	220424896	4030225	86
08/23/2017 08:19:17	16.671	16.6932	16.66058	730.19995	730.19995	730.19995	13.83686	13.89999	13.79999	15.22665	15.4	15.2	34.42865	34.57958	34.3302	1.38979	1.6	1.3	12.41363	0	12.40472	220424896	4030225	86
08/23/2017 08:24:17	16.67579	16.69625	16.66058	730.23651	730.29998	730.19995	13.90388	14.09999	13.79999	15.52872	15.8	15.2	34.41983	34.49646	34.3302	1.62483	1.9	1.3	12.49709	0.03699	12.48805	220424896	4030225	86
08/23/2017 08:29:17	16.67344	16.68352	16.66127	730.29901	730.29998	730.19995	14.24429	14.29999	14.09999	15.72949	15.8	15.6	34.47194	34.57958	34.38562	1.48519	1.7	1.3	12.58056	0	12.57166	220424896	4030225	86
08/23/2017 08:34:17	16.67344	16.68352	16.66127	730.29901	730.29998	730.19995	14.24429	14.29999	14.09999	15.72949	15.8	15.6	34.47194	34.57958	34.38562	1.48519	1.7	1.3	12.66403	0	12.65472	220424896	4030225	86
08/23/2017 08:39:17	16.67419	16.68501	16.66277	730.29998	730.29998	730.29998	14.35025	14.49999	14.29999	15.89382	16	15.8	34.40866	34.57958	34.3025	1.54357	2.1	1.5	12.74749	0	12.73805	220424896	4030225	86
08/23/2017 08:44:17	16.67635	16.68941	16.66124	730.29998	730.29998	730.29998	14.74015	14.89999	14.69999	16.57182	16.8	16.2	34.36104	34.49646	34.21937	1.83166	2.1	1.5	12.83095	0	12.82166	220424896	4030225	86
08/23/2017 08:49:17	16.67635	16.68941	16.66124	730.29998	730.29998	730.29998	14.74015	14.89999	14.69999	16.57182	16.8	16.2	34.36104	34.49646	34.21937	1.83166	2.1	1.5	12.91441	0.03712	12.90472	220424896	4030225	86
08/23/2017 08:54:17	16.67683	16.69982	16.65961	730.29998	730.29998	730.29998	14.93683	14.99999	14.89999	16.64692	16.9	16.4	34.40312	34.52416	34.3302	1.71009	1.9	1.4	12.99787	0	12.98805	220424896	4030225	86
08/23/2017 08:59:17	16.67353	16.69369	16.6506	730.29998	730.29998	730.29998	15.1509	15.39999	14.99999	17.00462	17.3	16.7	34.30835	34.49646	34.19167	1.85372	2.2	1.6	13.0813	0.01613	13.07139	220424896	4030225	86
08/23/2017 09:04:17	16.67697	16.69864	16.66596	730.39264	730.39996	730.29998	15.75758	15.89999	15.59999	17.42046	17.8	17.3	34.37162	34.46875	34.24708	1.66288	1.9	1.4	13.16474	0.00837	13.155	220424896	4030225	86
08/23/2017 09:09:17	16.67697	16.69864	16.66596	730.39264	730.39996	730.29998	15.75758	15.89999	15.59999	17.42046	17.8	17.3	34.37162	34.46875	34.24708	1.66288	1.9	1.2	13.24815	0.02104	13.23805	220424896	4030225	86
08/23/2017 09:14:17	16.67363	16.68821	16.6569	730.38086	730.39996	730.29998	16.07108	16.19999	15.89999	17.5887	17.8	17.4	34.35778	34.46875	34.21937	1.51762	1.9	1.2	13.3316	0	13.32139	220424896	4030225	86
08/23/2017 09:19:17	16.67517	16.69411	16.66279	730.39996	730.39996	730.39996	16.31051	16.59999	16.19999	17.65423	17.9	17.3	34.31632	34.44104	34.21937	1.34372	1.6	1.1	13.41505	0.02099	13.40472	220424896	4030225	86
08/23/2017 09:24:17	16.67334	16.6877	16.65958	730.39996	730.39996	730.39996	16.657	16.8	16.49999	17.87621	18.2	17.6	34.27045	34.35791	34.16396	1.2192	1.5	0.9	13.49851	0.04196	13.48805	220424896	4030225	86
08/23/2017 09:29:17	16.67692	16.70538	16.65632	730.39996	730.39996	730.39996	16.8837	17.09999	16.69999	18.2947	18.5	18.1	34.2454	34.35791	34.13625	1.411	1.7	1.1	13.58197	0.01642	13.57139	220424896	4030225	86
08/23/2017 09:34:17	16.67619	16.7008	16.65655	730.4292	730.5	730.39996	17.50452	17.69999	17.3	18.59243	18.8	18.2	34.18758	34.27478	34.10855	1.08791	1.4	0.8	13.66536	0.01639	13.655	220424896	4030225	86
08/23/2017 09:39:17	16.67619	16.7008	16.65655	730.4292	730.5	730.39996	17.50452	17.69999	17.3	18.59243	18.8	18.2	34.18758	34.27478	34.10855	1.08791	1.4	0.8	13.74878	0	13.73805	220424896	4030225	86
08/23/2017 09:44:17	16.67481	16.69641	16.64733	730.5	730.5	730.5	18.05746	18.3	17.89999	19.05504	19.4	18.8	34.20314	34.3302	34.08083	0.99758	1.3	0.5	13.83217	0.11218	13.82166	220424896	4030225	86
08/23/2017 09:49:17	16.67481	16.69641	16.64733	730.5	730.5	730.5	18.05746	18.3	17.89999	19.05504	19.4	18.8	34.20314	34.3302	34.08083	0.99758	1.3	0.5	13.91558	0.07926	13.90472	220424896	4030225	86
08/23/2017 09:54:17	16.67386	16.70229	16.6603	730.5	730.5	730.5	18.37045	18.49999	18.3	19.32055	19.6	19.1	34.09658	34.3025	33.94229	0.9501	1.3	0.8	13.99901	0.07495	13.98805	220424896	4030225	86
08/23/2017 09:59:17	16.67703	16.69787	16.65341	730.52313	730.59997	730.5	18.88782	18.99999	18.69999	19.84156	20.2	19.4	33.95586	34.02542	33.88687	0.95374	1.3	0.7	14.08243	0.00837	14.07166	220424896	4030225	86
08/23/2017 10:04:17	16.67703	16.69787	16.65341	730.52313	730.59997	730.5	18.88782	18.99999	18.69999	19.84156	20.2	19.4	33.95586	34.02542	33.88687	0.95374	1.3	0.7	14.16584	0.02083	14.15472	220424896	4030225	86
08/23/2017 10:09:17	16.67565	16.69899	16.65224	730.59295	730.59997	730.5	19.0744	19.19999	18.89999	19.97353	20.3	19.8	33.92215	33.99771	33.80375	0.89913	1.4	0.6	14.24923	0	14.23833	220424896	4030225	86
08/23/2017 10:14:17	16.67426	16.692	16.6487	730.59997	730.59997	730.59997	19.3508	19.59999	19.19999	20.41095	20.6	20.2	33.86871	33.97	33.69292	1.06014	1.4	0.6	14.33267	0.02082	14.32139	220424896	4030225	86
08/23/2017 10:19:17	16.67612	16.69428	16.65678	730.59497	730.59997	730.5	19.82745	19.89999	19.69999	20.78117	20.9	20.5	33.92764	34.02542	33.74834	0.95372	1.2	0.7	14.41611	0.05843	14.405	220424896	4030225	86
08/23/2017 10:24:17	16.67612	16.69428	16.65678	730.59497	730.59997	730.5	19.82745	19.89999	19.69999	20.78117	20.9	20.5	33.92764	34.02542	33.74834	0.95372	1.2	0.7	14.49955	0.01311	14.48805	220424896	4030225	86

08/23/2017 10:29:17	16.67552	16.69428	16.65897	730.59997	730.59997	730.59997	20.13341	20.3	19.89999	21.04748	21.5	20.8	33.96653	34.05313	33.85917	0.91407	1.3	0.7	14.58294	0.05848	14.57139	220424896	4030225	86
08/23/2017 10:34:17	16.67541	16.69759	16.65897	730.59997	730.59997	730.59997	20.32739	20.49999	20.19999	21.29697	21.6	21.1	33.96756	34.05313	33.83146	0.96958	1.3	0.6	14.66636	0.03772	14.65472	220424896	4030225	86
08/23/2017 10:39:17	16.6741	16.69495	16.6611	730.59997	730.59997	730.59997	20.84759	20.89999	20.69999	21.74424	22	21.6	34.08165	34.21937	33.99771	0.89665	1.3	0.7	14.74982	0.04147	14.73833	220424896	4030225	86
08/23/2017 10:44:17	16.6741	16.69495	16.6611	730.59997	730.59997	730.59997	20.84759	20.89999	20.69999	21.74424	22	21.6	34.08165	34.21937	33.99771	0.89665	1.3	0.7	14.83324	0.02941	14.82139	220424896	4030225	86
08/23/2017 10:49:17	16.67585	16.6912	16.65704	730.61633	730.69995	730.59997	21.01722	21.3	20.89999	22.04886	22.6	21.7	34.16323	34.21937	34.08083	1.03164	1.6	0.7	14.91668	0.02067	14.90472	220424896	4030225	86
08/23/2017 10:54:17	16.67491	16.69566	16.65704	730.69995	730.69995	730.69995	21.57373	21.69999	21.39999	22.54431	22.7	22.2	34.22585	34.35791	34.10855	0.97058	1.2	0.6	15.00012	0.02068	14.98833	220424896	4030225	86
08/23/2017 10:59:17	16.67491	16.69566	16.65704	730.69995	730.69995	730.69995	21.57373	21.69999	21.39999	22.54431	22.7	22.2	34.22585	34.35791	34.10855	0.97058	1.2	0.6	15.08356	0.03788	15.07139	220424896	4030225	86
08/23/2017 11:04:17	16.67679	16.6986	16.65996	730.69995	730.69995	730.69995	22.06361	22.19999	21.99999	23.31899	23.8	22.9	34.24557	34.35791	34.13625	1.25538	1.7	0.9	15.16701	0.038	15.155	220424896	4030225	86
08/23/2017 11:09:17	16.67679	16.6986	16.65996	730.69995	730.69995	730.69995	22.06361	22.19999	21.99999	23.31899	23.8	22.9	34.24557	34.35791	34.13625	1.25538	1.8	0.9	15.25043	0	15.23805	220424896	4030225	86
08/23/2017 11:14:17	16.67459	16.69164	16.65211	730.69995	730.69995	730.69995	22.64077	22.8	22.49999	23.77211	24.1	23.4	34.34999	34.46875	34.24708	1.13133	1.4	0.6	15.33383	0.01733	15.32166	220424896	4030225	86
08/23/2017 11:19:17	16.67459	16.69164	16.65211	730.69995	730.69995	730.69995	22.64077	22.8	22.49999	23.77211	24.1	23.4	34.34999	34.46875	34.24708	1.13133	1.4	0.6	15.41728	0	15.40472	220424896	4030225	86
08/23/2017 11:24:17	16.6752	16.69253	16.6475	730.72839	730.79998	730.69995	23.20394	23.3	22.89999	24.24519	24.7	23.9	34.46447	34.60729	34.3302	1.04125	1.4	0.7	15.50072	0.03271	15.48833	220424896	4030225	86
08/23/2017 11:29:17	16.6752	16.69253	16.6475	730.72839	730.79998	730.69995	23.20394	23.3	22.89999	24.24519	24.7	23.9	34.46447	34.60729	34.3302	1.04125	1.4	0.7	15.58416	0.03811	15.57139	220424896	4030225	86
08/23/2017 11:34:17	16.67268	16.70168	16.64657	730.69995	730.69995	730.69995	23.71465	23.89999	23.49999	24.36781	25.1	24.1	34.51979	34.63499	34.44104	0.65315	1.6	0.2	15.66758	0.03804	15.655	220424896	4030225	86
08/23/2017 11:39:17	16.67398	16.68933	16.65475	730.69995	730.69995	730.69995	23.95365	24.09999	23.89999	24.28464	24.7	24	34.62394	34.77353	34.49646	0.33099	0.8	0	15.75103	0.03804	15.73833	220424896	4030225	86
08/23/2017 11:44:17	16.67398	16.68933	16.65475	730.69995	730.69995	730.69995	23.95365	24.09999	23.89999	24.28464	24.7	24	34.62394	34.77353	34.49646	0.33099	0.8	0	15.83444	0.09677	15.82139	220424896	4030225	86
08/23/2017 11:49:16	16.67563	16.69098	16.65232	730.69897	730.69995	730.59997	24.15414	24.39999	23.99999	24.74685	25.1	24.2	34.60919	34.80124	34.49646	0.59271	1.1	0.2	15.91789	0.00632	15.90472	220424896	4030225	86
08/23/2017 11:54:17	16.67598	16.69592	16.66302	730.69262	730.69995	730.59997	24.39657	24.49999	24.3	24.76284	25.1	24.5	34.61992	34.77353	34.44104	0.36627	0.7	0.1	16.00134	0.03818	15.98805	220424896	4030225	86
08/23/2017 11:59:17	16.67572	16.70059	16.65117	730.69995	730.69995	730.69995	24.83481	24.99999	24.59999	25.80925	26.2	25.4	34.62572	34.80124	34.49646	0.97444	1.3	0.7	16.08479	0	16.07166	220424896	4030225	86
08/23/2017 12:04:17	16.67572	16.70059	16.65117	730.69995	730.69995	730.69995	24.83481	24.99999	24.59999	25.80925	26.2	25.4	34.62572	34.80124	34.49646	0.97444	1.3	0.7	16.16823	0	16.15472	220424896	4030225	86
08/23/2017 12:09:17	16.6774	16.70868	16.64544	730.67877	730.69995	730.59997	25.25672	25.59999	25.09999	26.00438	26.5	25.6	34.66788	34.74583	34.55188	0.74766	1.4	0.2	16.25167	0.05873	16.23833	220424896	4030225	86
08/23/2017 12:14:17	16.6774	16.70868	16.64544	730.67877	730.69995	730.59997	25.25672	25.59999	25.09999	26.00438	26.5	25.6	34.66788	34.74583	34.55188	0.74766	1.6	0.2	16.33507	0.04344	16.32138	220424896	4030225	86
08/23/2017 12:19:17	16.67485	16.71418	16.61326	730.69696	730.69995	730.59997	25.453	25.8	24.99999	26.39232	27	25.8	34.69321	34.88436	34.55188	0.93931	1.6	0.2	16.41838	0.00234	16.40472	220424896	4030225	86
08/23/2017 12:24:17	16.67611	16.70341	16.63542	730.69995	730.69995	730.69995	25.68304	25.89999	25.19999	26.75024	27.2	26	34.68306	34.77353	34.57958	1.0672	1.7	0.4	16.50164	0.04075	16.48805	220424896	4030225	86
08/23/2017 12:29:17	16.6754	16.74855	16.60455	730.69995	730.69995	730.69995	25.91759	27.09999	25.3	27.08307	27.8	26.4	34.67177	34.88436	34.55188	1.19913	2.1	0	16.585	0.17885	16.57138	220424896	4030225	86
08/23/2017 12:34:17	16.67572	16.75556	16.57736	730.67352	730.69995	730.59997	25.91707	26.99999	24.89999	27.43268	28.4	26.3	34.65626	34.91207	34.52416	1.52233	3.1	0.09999	16.66828	0.02453	16.65472	220424896	4030225	86
08/23/2017 12:39:17	16.67587	16.73808	16.60371	730.59997	730.59997	730.59997	26.23962	27.3	25.3	27.9902	28.9	27.1	34.69614	34.93978	34.49646	1.75058	3	0.2	16.75163	0.24396	16.73805	220424896	4030225	86
08/23/2017 12:44:17	16.67594	16.80543	16.57138	730.59997	730.59997	730.59997	26.64583	27.69999	25.69999	27.70533	29.5	26.2	34.73694	34.93978	34.60729	1.18708	3.6	0.09999	16.83497	0.0163	16.82166	220424896	4030225	86
08/23/2017 12:49:17	16.67516	16.80881	16.50632	730.59698	730.59997	730.5	26.75603	28.59999	24.69999	27.88889	29.9	25.2	34.77433	35.16144	34.52416	1.51556	3.6	0.09999	16.91828	0.09938	16.90472	220424896	4030225	86
08/23/2017 12:54:17	16.67532	16.7581	16.59186	730.51715	730.59997	730.5	27.28765	28.69999	26.69999	28.46931	29.5	27.8	34.76748	34.9952	34.6627	1.22864	2.2	0.5	17.00152	0.07522	16.98833	220424896	4030225	86
08/23/2017 12:59:17	16.67532	16.7581	16.59186	730.51715	730.59997	730.5	27.28765	28.69999	26.69999	28.46931	29.5	27.8	34.76748	34.9952	34.6627	1.22864	2.2	0.5	17.08487	0.11964	17.07138	220424896	4030225	86
08/23/2017 13:04:17	16.67366	16.72321	16.6142	730.51532	730.59997	730.5	27.8426	28.59999	26.89999	29.31925	30.5	28.8	34.79621	35.10603	34.55188	1.47664	2.6	0.3	17.16809	0.04044	17.155	220424896	4030225	86
08/23/2017 13:09:17	16.67366	16.72321	16.6142	730.51532	730.59997	730.5	27.8426	28.59999	26.89999	29.31925	30.5	28.8	34.79621	35.10603	34.55188	1.47664	1.9	0.7	17.2513	0.02185	17.23805	220424896	4030225	86
08/23/2017 13:14:16	16.67529	16.70009	16.65191	730.55163	730.59997	730.5	28.05695	28.49999	27.89999	29.56492	29.9	28.9	34.72932	34.96749	34.57958	1.50796	1.9	0.7	17.33453	0.00877	17.32138	220424896	4030225	86
08/23/2017 13:19:16	16.67735	16.71097	16.63022	730.54333	730.59997	730.5	28.33257	28.89999	27.59999	29.83832	30.5	28.9	34.65978	34.91207	34.52416	1.50574	2.8	0.4	17.41774	0	17.40472	220424896	4030225	86
08/23/2017 13:24:17	16.67491	16.70664	16.62874	730.5332	730.59997	730.5	28.58645	28.8	28.3	29.95924	30.5	29.6	34.77361	35.02291	34.55188	1.37279	1.3	0.6	17.50095	0.01858	17.48805	220424896	4030225	86
08/23/2017 13:29:16	16.67567	16.70009	16.65658	730.51916	730.59997	730.5	28.78776	28.89999	28.59999	29.82346	30.1	29.4	34.84011	35.02291	34.71811	1.0357	1.3	0.6	17.58416	0.02848	17.57138	220424896	4030225	86
08/23/2017 13:34:17	16.67558	16.69946	16.65546	730.56872	730.59997	730.5	29.22342	29.3	29.09999	30.54032	30.8	30.1	34.71234	34.82895	34.60729	1.3169	1.6	0.9	17.66737	0.07776	17.655	220424896	4030225	86
08/23/2017 13:39:16	16.67558	16.69946	16.65546	730.56872	730.59997	730.5	29.22342	29.3	29.09999	30.54032	30.8	30.1	34.71234	34.82895	34.60729	1.3169	1.6	0.9	17.75058	0.04027	17.73805	220424896	4030225	86
08/23/2017 13:44:17	16.67411	16.6905	16.65056	730.58789	730.59997	730.5	29.55424	29.8	29.39999	30.64707	31.1	30.2	34.72852	34.80124	34.63499	1.09282	1.6	0.5	17.83378	0.02014	17.82166	220424896	4030225	86
08/23/2017 13:49:16	16.67411	16.6905	16.65056	730.58789	730.59997	730.5	29.55424	29.8	29.39999	30.64707	31.1	30.2	34.72852	34.80124	34.63499	1.09282	1.6	0.5	17.91698	0.07917	17.90472	220424896	4030225	86
08/23/2017 13:54:16	16.67699	16.69655	16.65019	730.52417	730.59997	730.5	29.83686	29.89999	29.8	30.59065	30.8	30.4	34.71737	34.80124	34.60729	0.75379	1	0.5	18.00019	0.03888	17.98805	220424896	4030225	86
08/23/2017 13:59:16	16.67736	16.70181	16.6578	730.5	730.5	730.5	29.95018	30.09999	29.8	30.6846	30.8	30.4	34.68967	34.80124	34.57958	0.73441	0.9	0.4	18.0834	0.01876	18.07138	220424896	4030225	86
08/23/2017 14:04:17	16.67599	16.70493	16.64924	730.4826	730.5	730.39996	30.14747	30.3	29.99999	30.68033	31.1	30.4	34.74957	34.9952	34.57958	0.53285	1	0.2	18.1666	0.13951	18.15472	220424896	4030225	86
08/23/2017 14:09:17	16.67578	16.69437	16.66124	730.39471	730.39996	730.29998	30.4872	30.59999	30.39999	31.12954	31.3	30.7	34.71799	34.82895	34.60729	0.64233	0.8	0.2	18.2498	0	18.23833	220424896	4030225	86
08/23/2017 14:14:16	16.67578	16.69437	16.66124	730.39471	730.39996	730.29998	30.4872	30.59999	30.39999	31.12954	31.3	30.7	34.71799	34.82895	34.60729	0.64233	0.8	0.2	18.33301	0.00131	18.32138	220424896	4030225	86
08/23/2017 14:19:16	16.67489	16.69267	16.65561	730.38287	730.39996	730.29998	30.6004	30.89999	30.49999	31.42845	32.2	30.8	34.66895	34.80124	34.52416	0.83457	1.6	0.09999	18.41622	0.09789	18.40472	220424896	4030225	86
08/23/2017 14:24:16	16.67435	16.71021	16.65064	730.34759	730.39996	730.29998	30.85163	30.99999	30.59999	31.07316	31.6	30.7	34.63256	34.80124	34.49646	0.27531	0.9	0.1	18.49942	0.00113	18.48833	220424896	4030225	86
08/23/2017 14:29:17	16.67586	16.69739	16.6536	730.32214	730.39996	730.29998	30.95702	30.99999	30.89999	31.54382	31.8	31	34.57466	34.77353	34.38562	0.5868	0.6	0	18.58263	0.01778	18.57166	220424896	4030225	86
08/23/2017 14:34:16	16.67508	16.69739	16.65299	730.30096	730.39996	730.29998	31.06037	31.19999	30.99999	31.34631	31.7	31.1	34.76704	34.96749	34.60729	0.28594	0.6	0	18.66583	0	18.65472	220424896	4030225	86
08/23/2017 14:39:17	16.67387	16.69208	16.6536	730.29693	730.29998	730.19995	31.18993	31.3	30.99999	31.65583	32	31.3	34.93862	35.18916	34.71811	0.4659	0.7	0	18.74904	0.00719	18.73833	220424896	4030225	86
08/23/2017 14:44:17	16.67406	16.69907	16.65501	730.2221	730.29998	730.09997	31.44965	31.59999	31.3	31.37852	31.8	31.1	35.30194	35.49395	35.18916	0.22429	0.4	0.09999	18.83224	0.02008	18.82166	220424896	4030225	86
08/23/2017 14:49:16	16.67577	16.69473	16.65002	730.19696	730.19995	730.09997	31.44965	31.59999	31.3	31.37852	31.8	31.1	35.30194	35.49395	35.18916	0.22429	0.5	0	18.91544	0.05801	18.905	220424896	4030225	86
08/23/2017 14:54:17	16.67537	16.6891	16.65062	730.18689	730.19995	730.09997	31.56643	31.59999	31.5	31.7812	32.2	31.4	35.35211	35.46624	35.21686	0.22147	0.6	0	18.99865	0.02843	18.98833	220424896	4030225	86
08/23/2017 14:59:16	16.67537	16.6891	16.65062	730.18689	730.19995	730.09997	31.56643	31.59999	31.5	31.7812	32.2	31.4	35.35211	35.46624	35.21686	0.22147	0.6	0	19.08186	0.01907	19.07138	220424896	4030225	86
08/23/2017 15:04:17	16.67461	16.70741	16.65002	730.1322	730.19995	730.09997	31.61007	31.69999	31.59999	31.821	32.4	31.4	35.45346	35.63248	35.27227	0.27144	0.8	0	19.16506	0.03065	19.155	220424896	4030225	86
08/23/2017 15:09:16	16.67461	16.70741	16.65002	730.1322	730.19995	730.09997	31.61007	31.69999	31.59999	31.821	32.4	31.4	35.45346	35.63248	35.27227	0.27144	0.8	0	19.24827	0	19.23805	220424896	4030225	86
08/23/2017 15:14:16	16.67467	16.70143	16.64675	730.09997	730.19995	730	31.65301	31.8	31.59999	31.51215	31.8	31.2	35.55447	35.63248	35.49395	0.20802	0.4	0	19.33147	0.07801	19.32138	220424896	4030225	86
08/23/2017 15:19:16	16.67514	16.69613	16.65237	730.09491	730.09997	730	31.70609	31.8	31.59999	31.37861	31.7	31.2	35.55889	35.63248	35.46624	0.3342	0.59999	0	19.41468	0.01168	19.40472	220424896	4030225	86
08/23/2017 15:24:16	16.67524	16.69972	16.64378	729.94757	730.09997	729.79998	31.77649	31.8	31.69999	31.8191	32.4	31.4	35.49255	35.57707	35.32769	0.17927	0.7	0	19.49789	0.02955	19.48833	220424896	4030225	86
08/23/2017 15:29:16	16.67524	16.69972	16.64378	729.94757	730.09997	729.79998	31.77649	31.8	31.69999	31.8191	32.4	31.4	35.49255	35.57707	35.32769	0.25685	0.7	0	19.58111	0.05662	19.57138	220424896	4030225	86
08/23/2017 15:34:16	16.6755	16.70083	16.65472	729.94732	730	729.89996	31.78657	31.8	31.69999	31.43023	31.8	31.1	35.57197	35.6879	35.46624	0.35633	0.69999	0	19.66432	0.03902	19.65472	220424896	4030225	86
08/23/2017 15:39:17	16.67495	16.69224	16.65941	729.8211	729.89996	729.79998	31.79008	31.8	31.59999	31.51115	31.8	31.3	35.47394	35.63248	35.3554	0.29206	0.5	0	19.74753	0	19.73833	220424896	4030225	86
08/23/2017 15:44:16	16.67495	16.69224	16.65941	729.8211	729.89996	729.79998	31.79008	31.8	31.59999	31.51115	31.8	31.3	35.47394	35.63248	35.3554	0.29206	0.5	0	19.83073	0.00101	19.82166	220424896	4030225	86
08/23/2017 15:49:16	16.67423	16.69821	16.65941	729.76568	729.79998	729.69995	31.77313	31.89999	31.59999	31.76642	32.2	31.3	35.40639	35.54936	35.24457	0.16106	0.6	0	19.91393	0.04008	19.90472	220424896	4030225	86
08/23/2017 15:54:16	16.67599	16.69288	16.65613	729.72515	729.79998	729.69995	31.77726	31.8	31.59999	31.69824	32.2	31.3	35.49033	35.60477	35.38311	0.16272	0.6	0	19.99714	0	19.98805	220424896	4030225	86
08/23/2017 15:59:16	16.67422	16.69523	16.65082	729.6889	729.69995	729.59997	31.77984	31.8	31.59999	31.67953	32.3	31.3	35.50695	35.66019	35.38311	0.30966	0.6	0	20.08034	0.05183	20.07138	220424896	4030225	86
08/23/2017 16:04:16	16.67402	16.69196	16.65701	729.66546	729.69995	729.59997	31.78658	31.8	31.59999	31.78706	32.3	31.3	35.50547	35.60477	35.41082	0.24138	0.6	0	20.16354	0.03796	20.15472	220424896	4030225	86
08/23/2017 16:09:16	16.67426	16.69523	16.65346	729.61511	729.69995	729.59997	31.8	31.8	31.8	31.61836	31.9	31.2	35.50619	35.63248	35.41082	0.20177	0.59999	0	20.24675	0.02117	20.23805	220424896	4030225	86
08/23/2017 16:14:16	16.67509	16.70823	16.65316	729.58685	729.59997	729.5	31.8	31.89999	31.69999	31.56499	31.8	31.2	35.48568	35.57707	35.3554	0.235	0.69999	0.09999	20.32995	0	20.32166	220424896	4030225	86
08/23/2017 16:19:16	16.67498	16.69366	16.65316	729.53094	729.59997	729.39996	31.78656	31.8	31.69999	31.33082	31.7	31.1	35.50854	35.66019	35.38311	0.45574	0.69999	0.09999	20.41316	0.01896	20.40472	220424896	4030225	86
08/23/2017 16:24:16	16.6772	16.70762	16.65871	729.46148	729.5	729.39996	31.72612	31.8	31.59999	31.7064	32.2	31.2	35.38975	35.49395	35.24457	0.23423	0.59999	0	20.49637	0.07079	20.48833	220424896	4030225	86

08/23/2017 16:29:16	16.67447	16.70527	16.65609	729.4292	729.5	729.39996	31.72622	31.8	31.59999	31.73227	31.9	31.4	35.29805	35.43853	35.18916	0.08662	0.3	0	20.57957	0	20.57166	220424896	4030225	86
08/23/2017 16:34:16	16.67447	16.70527	16.65609	729.4292	729.5	729.39996	31.72622	31.8	31.59999	31.73227	31.9	31.4	35.29805	35.43853	35.18916	0.08662	0.3	0	20.66278	0	20.65472	220424896	4030225	86
08/23/2017 16:39:16	16.67564	16.70527	16.65786	729.42114	729.5	729.39996	31.64692	31.8	31.59999	31.55521	32	31.1	35.2748	35.3554	35.18916	0.20592	0.5	0	20.74599	0.03904	20.73833	220424896	4030225	86
08/23/2017 16:44:16	16.67564	16.70527	16.65786	729.42114	729.5	729.39996	31.64692	31.8	31.59999	31.55521	32	31.1	35.2748	35.3554	35.18916	0.20592	0.5	0	20.82919	0.07801	20.82138	220424896	4030225	86
08/23/2017 16:49:16	16.67556	16.69602	16.65723	729.38385	729.39996	729.29998	31.59328	31.59999	31.5	31.05571	31.3	30.7	35.25573	35.32769	35.07832	0.53757	0.89999	0.3	20.9124	0.01049	20.905	220424896	4030225	86
08/23/2017 16:54:16	16.67556	16.69602	16.65723	729.38385	729.39996	729.29998	31.59328	31.59999	31.5	31.05571	31.3	30.7	35.25573	35.32769	35.07832	0.53757	0.89999	0.3	20.9956	0.02135	20.98805	220424896	4030225	86
08/23/2017 16:59:16	16.67472	16.69567	16.65125	729.38458	729.39996	729.29998	31.5832	31.59999	31.5	31.0164	31.2	30.7	35.04368	35.24457	34.77353	0.5668	0.89999	0.39999	21.0788	0.03902	21.07138	220424896	4030225	86
08/23/2017 17:04:16	16.67264	16.69238	16.64896	729.29797	729.29998	729.19995	31.50672	31.59999	31.5	31.03452	31.4	30.6	34.69463	34.80124	34.55188	0.47219	0.9	0.1	21.16201	0.05908	21.155	220424896	4030225	86
08/23/2017 17:09:16	16.67264	16.69238	16.64896	729.29797	729.29998	729.19995	31.50672	31.59999	31.5	31.03452	31.4	30.6	34.69463	34.80124	34.55188	0.47219	0.9	0.1	21.24521	0.02855	21.23805	220424896	4030225	86
08/23/2017 17:14:16	16.67512	16.69126	16.66298	729.29797	729.29998	729.19995	31.20336	31.3	30.99999	30.14495	30.5	29.8	34.43514	34.57958	34.3025	1.05841	1.4	0.59999	21.32841	0.03891	21.32166	220424896	4030225	86
08/23/2017 17:19:16	16.67512	16.69126	16.66298	729.29797	729.29998	729.19995	31.20336	31.3	30.99999	30.14495	30.5	29.8	34.43514	34.57958	34.3025	1.05841	1.4	0.59999	21.41162	0.03049	21.40472	220424896	4030225	86
08/23/2017 17:24:16	16.67501	16.6973	16.65324	729.29168	729.29998	729.19995	31.10612	31.19999	30.99999	30.36455	30.8	30.1	34.42967	34.55188	34.3025	0.74156	1.09999	0.19999	21.49482	0.01711	21.48805	220424896	4030225	86
08/23/2017 17:29:16	16.67383	16.69802	16.64836	729.20929	729.29998	729.09997	30.97179	31.19999	30.69999	29.74393	30.1	29.4	34.49239	34.57958	34.41333	1.22785	1.09999	0.49999	21.57803	0.05906	21.57138	220424896	4030225	86
08/23/2017 17:34:16	16.67385	16.70453	16.64392	729.21911	729.29998	729.19995	30.83981	30.89999	30.59999	29.92821	30.4	29.8	34.48368	34.57958	34.38562	0.91159	1.09999	0.49999	21.66123	0.0202	21.65472	220424896	4030225	86
08/23/2017 17:39:16	16.67399	16.69236	16.65358	729.19995	729.19995	729.19995	30.6	30.69999	30.49999	29.743	29.9	29.4	34.53732	34.6627	34.41333	0.857	1.19999	0.69999	21.74443	0.07761	21.73805	220424896	4030225	86
08/23/2017 17:44:16	16.67402	16.69236	16.65358	729.19897	729.19995	729.09997	30.47654	30.59999	30.39999	29.45429	29.9	29.2	34.5109	34.63499	34.41333	1.02224	1.3	0.59999	21.82764	0.01857	21.82138	220424896	4030225	86
08/23/2017 17:49:16	16.67518	16.69236	16.65835	729.19793	729.19995	729.09997	30.32284	30.49999	30.09999	29.44709	29.8	29.2	34.48439	34.57958	34.35791	0.87574	1.19999	0.59999	21.91085	0.03877	21.90472	220424896	4030225	86
08/23/2017 17:54:16	16.6733	16.69233	16.64888	729.13421	729.19995	729	29.98596	30.09999	29.8	28.75543	29.2	28.3	34.62061	34.69041	34.55188	1.23053	1.59999	0.79999	21.99405	0.0249	21.98833	220424896	4030225	86
08/23/2017 17:59:16	16.6733	16.69233	16.64888	729.13421	729.19995	729	29.98596	30.09999	29.8	28.75543	29.2	28.3	34.62061	34.69041	34.55188	1.23053	1.59999	0.79999	22.07725	0.02029	22.07138	220424896	4030225	86
08/23/2017 18:04:16	16.67541	16.69073	16.65252	729.09796	729.09997	729	29.81909	29.99999	29.49999	28.20601	28.3	28.1	34.65139	34.77353	34.57958	1.61307	1.79999	1.29999	22.16047	0.03862	22.15472	220424896	4030225	86
08/23/2017 18:09:16	16.67428	16.69822	16.65821	729.02722	729.09997	729	29.30881	29.49999	29.19999	28.19052	28.4	27.8	34.67441	34.80124	34.52416	1.11828	1.5	0.9	22.24367	0.01839	22.23833	220424896	4030225	86
08/23/2017 18:14:16	16.67428	16.69822	16.65821	729.02722	729.09997	729	29.30881	29.49999	29.19999	28.19052	28.4	27.8	34.67441	34.80124	34.52416	1.11828	1.5	0.9	22.32687	0	22.32138	220424896	4030225	86
08/23/2017 18:19:16	16.67384	16.69308	16.65946	729	729	729	29.14315	29.3	28.89999	28.16657	28.3	27.8	34.61752	34.80124	34.49646	0.97658	1.4	0.59999	22.41007	0.0569	22.40472	220424896	4030225	86
08/23/2017 18:24:16	16.67274	16.69706	16.64863	728.99298	729	728.89996	28.87859	29.09999	28.8	27.77656	28.1	27.6	34.61838	34.71811	34.52416	1.10202	1.39999	0.69999	22.49328	0.03857	22.48805	220424896	4030225	86
08/23/2017 18:29:16	16.67408	16.69706	16.64238	728.98993	729	728.89996	28.686	28.8	28.59999	27.58854	27.8	27.2	34.62848	34.71811	34.55188	1.09746	1.49999	0.8	22.57648	0.03852	22.57138	220424896	4030225	86
08/23/2017 18:34:16	16.67418	16.70328	16.64739	728.97961	729	728.89996	28.22172	28.49999	27.99999	27.19258	27.5	26.6	34.6274	34.74583	34.55188	1.02913	1.39999	0.69999	22.65969	0.06725	22.655	220424896	4030225	86
08/23/2017 18:39:16	16.67418	16.70328	16.64739	728.97961	729	728.89996	28.22172	28.49999	27.99999	27.19258	27.5	26.6	34.6274	34.74583	34.55188	1.02913	1.39999	0.69999	22.74291	0.0612	22.73805	220424896	4030225	86
08/23/2017 18:44:16	16.67512	16.70837	16.62454	728.89996	728.89996	728.89996	27.71504	28.3	27.09999	26.62561	27.1	26.2	34.77036	34.88436	34.69041	1.08943	1.8	0.19999	22.82614	0	22.82166	220424896	4030225	86
08/23/2017 18:49:16	16.67512	16.70837	16.62454	728.89996	728.89996	728.89996	27.71504	28.3	27.09999	26.62561	27.1	26.2	34.77036	34.88436	34.69041	1.08943	1.69999	0.69999	22.90934	0.06631	22.90472	220424896	4030225	86
08/23/2017 18:54:16	16.675	16.71141	16.63464	728.90197	729	728.89996	27.44172	27.69999	27.09999	26.32525	26.6	25.7	34.71712	34.82895	34.57958	1.11646	1.69999	0.69999	22.99263	0.38605	22.98805	220424896	4030225	86
08/23/2017 18:59:16	16.67406	16.77607	16.55725	728.89898	728.89996	728.79998	27.04304	28.09999	26.3	25.83315	26.8	23.9	34.78651	35.07832	34.55188	1.20988	3.69999	0.19999	23.0759	0.11478	23.07166	220424896	4030225	86
08/23/2017 19:04:16	16.6727	16.80339	16.58404	728.88787	728.89996	728.79998	26.90883	28.3	25.8	25.35994	26.9	24.2	34.82194	35.10603	34.60729	1.56231	3.69999	0.19999	23.15915	0.08448	23.15472	220424896	4030225	86
08/23/2017 19:09:16	16.67031	16.74727	16.60065	728.89569	728.89996	728.79998	26.31428	27.49999	24.49999	24.98839	26.2	22.8	34.67524	34.80124	34.55188	1.3797	3.9	0.19999	23.24246	0.16443	23.23833	220424896	4030225	86
08/23/2017 19:14:16	16.67031	16.74727	16.60065	728.89569	728.89996	728.79998	26.31428	27.49999	24.49999	24.98839	26.2	22.8	34.67524	34.80124	34.55188	1.3797	3.9	0.19999	23.32577	0.14688	23.32138	220424896	4030225	86
08/23/2017 19:19:16	16.67661	16.75466	16.60734	728.88079	728.89996	728.79998	25.67247	27.09999	23.89999	24.49633	25.7	23.5	34.65759	34.88436	34.46875	1.20971	2.29999	0.29999	23.40906	0.06097	23.40472	220424896	4030225	86
08/23/2017 19:24:16	16.67295	16.75316	16.58512	728.89691	729	728.79998	25.43786	26.3	24.3	23.97473	24.7	22.8	34.63615	34.82895	34.49646	1.48326	2.9	0.3	23.49234	0.09225	23.48805	220424896	4030225	86
08/23/2017 19:29:16	16.67223	16.75053	16.58242	728.90527	729	728.89996	25.19072	26.89999	23.8	23.47369	24.2	22.3	34.57236	34.6627	34.49646	1.71702	3.69999	0	23.57557	0.12059	23.57138	220424896	4030225	86
08/23/2017 19:34:16	16.67536	16.71733	16.64089	728.92816	729	728.89996	24.70491	25.49999	24.39999	23.21945	23.8	22.6	34.53479	34.6627	34.35791	1.48546	2.19999	0.59999	23.65878	0.02068	23.65472	220424896	4030225	86
08/23/2017 19:39:16	16.67385	16.69551	16.65683	728.90301	729	728.89996	23.87194	24.09999	23.69999	22.3169	22.6	22.2	34.41846	34.55188	34.27478	1.55503	1.8	1.29999	23.74199	0	23.73833	220424896	4030225	86
08/23/2017 19:44:16	16.67385	16.69551	16.65683	728.90301	729	728.89996	23.87194	24.09999	23.69999	22.3169	22.6	22.2	34.41846	34.55188	34.27478	1.55503	1.8	1.29999	23.82519	0.03783	23.82138	220424896	4030225	86
08/23/2017 19:49:16	16.67453	16.68942	16.6563	728.94561	729	728.89996	23.02569	23.3	22.8	21.54911	21.8	21.2	34.24219	34.41333	34.10855	1.47658	1.69999	1.19999	23.90839	0.01702	23.905	220424896	4030225	86
08/23/2017 19:54:16	16.67453	16.68942	16.6563	728.94561	729	728.89996	23.02569	23.3	22.8	21.54911	21.8	21.2	34.24219	34.41333	34.10855	1.47658	1.69999	1.19999	23.9916	0.03773	23.98805	220424896	4030225	86
08/23/2017 19:59:16	2.13258	16.68016	0	729	729	729	22.17916	22.3	21.99999	21.08626	21.1	21	18.00662	34.19167	15.43336	1.0929	1.19999	0.89999	24.00455	0	24.00055	220424896	4030225	86
08/23/2017 20:04:16	2.13258	16.68016	0	729	729	729	22.17916	22.3	21.99999	21.08626	21.1	21	18.00662	34.19167	15.43336	1.0929	1.09999	0.89999	24.00455	0	24.00055	220424896	4030225	86
08/24/2017 09:03:00	0	0	0	728.9544	729	728.89996	21.97926	22.09999	21.89999	20.97591	21.1	20.8	15.70594	15.73814	15.5996	1.00334	1.09999	0.89999	24.00455	0	24.00055	220424957	4030325	86
08/24/2017 09:08:00	9.11713	16.68834	0	727.97241	728.09997	727.79998	15.68372	15.99999	15.39999	16.74923	16.9	16.6	26.28978	34.08083	17.12354	1.06551	1.3	0.8	0.04843	0.03723	0.04972	220424957	4030325	86
08/24/2017 09:13:00	9.11713	16.68834	0	727.97241	728.09997	727.79998	15.68372	15.99999	15.39999	16.74923	16.9	16.6	26.28978	34.08083	17.12354	1.06551	1.3	0.8	0.13181	0.02945	0.13277	220424957	4030325	86
08/24/2017 09:18:00	16.67642	16.69093	16.6582	728.1745	728.29998	728.09997	15.90336	15.99999	15.69999	17.07522	17.5	16.8	34.14175	34.27478	33.94229	1.17186	1.6	0.9	0.21518	0.01629	0.21611	220424957	4030325	86
08/24/2017 09:23:00	16.67751	16.70073	16.65883	728.4107	728.5	728.29998	16.11073	16.19999	15.99999	17.80868	18.2	17.5	34.33736	34.44104	34.24708	1.69794	2.1	1.4	0.29856	0.02098	0.29972	220424957	4030325	86
08/24/2017 09:28:00	16.67751	16.70073	16.65883	728.4107	728.5	728.29998	16.11073	16.19999	15.99999	17.80868	18.2	17.5	34.33736	34.44104	34.24708	1.69794	2.1	1.4	0.38194	0.03739	0.38277	220424957	4030325	86
08/24/2017 09:33:00	16.67391	16.6977	16.65424	728.4624	728.5	728.39996	16.25035	16.3	16.19999	18.14431	18.5	17.9	34.40747	34.63499	34.27478	1.89396	2.3	1.7	0.46531	0	0.46611	220424957	4030325	86
08/24/2017 09:38:00	16.67606	16.68946	16.65671	728.6463	728.69995	728.59997	16.66374	16.8	16.59999	18.48651	18.7	18.2	34.46299	34.60729	34.35791	1.82276	2	1.5	0.54869	0.02935	0.54972	220424957	4030325	86
08/24/2017 09:43:00	16.67606	16.68946	16.65671	728.6463	728.69995	728.59997	16.66374	16.8	16.59999	18.48651	18.7	18.2	34.46299	34.60729	34.35791	1.82276	2	1.5	0.63208	0.02094	0.63277	220424957	4030325	86
08/24/2017 09:48:00	16.67703	16.69676	16.64768	728.74859	728.79998	728.69995	17.18052	17.3	16.89999	19.05169	19.4	18.8	34.46505	34.6627	34.35791	1.87116	2.2	1.6	0.71547	0.0375	0.71638	220424957	4030325	86
08/24/2017 09:53:00	16.67536	16.69454	16.6582	728.78955	728.89996	728.69995	17.40734	17.49999	17.19999	19.44763	19.8	19.2	34.41745	34.6627	34.27478	2.04029	2.4	1.7	0.79885	0.03324	0.79972	220424957	4030325	86
08/24/2017 09:58:00	16.67708	16.70036	16.65705	728.88354	729	728.79998	17.68117	17.89999	17.49999	19.60264	19.8	19.4	34.44727	34.52416	34.3302	1.92147	2.2	1.6	0.88223	0.05426	0.88305	220424957	4030325	86
08/24/2017 10:03:00	16.67708	16.70036	16.65705	728.88354	729	728.79998	17.68117	17.89999	17.49999	19.60264	19.8	19.4	34.44727	34.52416	34.3302	1.92147	2.2	1.6	0.96561	0	0.96611	220424957	4030325	86
08/24/2017 10:08:00	16.67645	16.68983	16.6547	728.96948	729	728.89996	17.91074	17.99999	17.8	19.67582	19.9	19.4	34.42223	34.55188	34.27478	1.76507	2	1.4	1.04899	0.0167	1.04944	220424957	4030325	86
08/24/2017 10:13:00	16.67475	16.68866	16.66054	729.07049	729.09997	729	18.16854	18.3	17.89999	19.75039	19.9	19.6	34.39852	34.52416	34.3025	1.58184	1.8	1.3	1.13236	0.01671	1.13277	220424957	4030325	86
08/24/2017 10:18:00	16.67399	16.68864	16.66054	729.09997	729.09997	729.09997	18.43088	18.59999	18.3	19.93019	20.2	19.8	34.3674	34.49646	34.24708	1.4993	1.8	1.2	1.21573	0.05842	1.21611	220424957	4030325	86
08/24/2017 10:23:00	16.67551	16.69328	16.64992	729.19995	729.19995	729.19995	18.93688	18.99999	18.89999	20.32944	20.9	19.9	34.31924	34.44104	34.24708	1.39255	2	1	1.29911	0.03762	1.29972	220424957	4030325	86
08/24/2017 10:28:00	16.67551	16.69328	16.64992	729.19995	729.19995	729.19995	18.93688	18.99999	18.89999	20.32944	20.9	19.9	34.31924	34.44104	34.24708	1.39255	2	1	1.38249	0.07082	1.38277	220424957	4030325	86
08/24/2017 10:33:00	16.67529	16.68968	16.66048	729.21203	729.29998	729.19995	19.11401	19.3	18.99999	20.53414	20.9	20.3	34.29898	34.41333	34.19167	1.42013	1.6	1.1	1.46587	0.02526	1.46611	220424957	4030325	86
08/24/2017 10:38:00	16.67623	16.70025	16.65104	729.26141	729.29998	729.19995	19.31073	19.49999	19.19999	20.59323	20.9	20.4	34.28642	34.35791	34.19167	1.28249	1.8	1.1	1.54924	0.05466	1.54972	220424957	4030325	86
08/24/2017 10:43:00	16.67558	16.69317	16.65776	729.29095	729.29998	729.09997	19.62415	19.69999	19.49999	21.04154	21.4	20.8	34.24846	34.3302	34.13625	1.41739	1.7	1	1.63261	0.05852	1.63305	220424957	4030325	86
08/24/2017 10:48:00	16.67473	16.699	16.66011	729.27612	729.29998	729.09997	19.78052	19.89999	19.69999	21.04774	21.4	20.8	34.25062	34.3302	34.10855	1.26721	1.7	1	1.71599	0.03779	1.71611	220424957	4030325	86
08/24/2017 10:53:00	16.67443	16.69269	16.65985	729.28491	729.29998	729.19995	20.20067	20.3	19.89999	21.59393	22.1	21.4	34.35105	34.46875	34.13625	1.39325	1.9	1.2	1.79936	0.03779	1.79972	220424957	4030325	86
08/24/2017 10:58:00	16.67443	16.69269	16.65985	729.28491	729.29998	729.19995	20.20067	20.3	19.89999	21.59393	22.1	21.4	34.35105	34.46875	34.13625	1.39325	1.9	1.2	1.88275	0.04504	1.88277	220424957	4030325	86
08/24/2017 11:03:00	16.67586	16.6982	16.64792	729.3919	729.39996	729.29998	20.61744	20.8	20.39999	21.89045	22.3	21.7	34.43146	34.55188	34.3302	1.273	1.6	1	1.96613	0.03784	1.96638	220424957	4030325	86
08/24/2017 11:08:00	16.67444	16.70055	16.64743	729.37683	729.39996	729.29998	20.81409	20.89999	20.69999	22.2007	22.6	21.8	34.45747	34.60729	34.3302	1.3866	1.8	1	2.0495	0	2.04972	220424957	4030325	86
08/24/2017 11:13:00	16.67444	16.70055	16.64743	729.37683	729.39996	729.29998	20.81409	20.89999	20.69999	22.2007	22.6	21.8	34.45747	34.60729	34.3302	1.3866	1.8	1	2.13287	0.02068	2.13277	220424957	4030325	86
08/24/2017 11:18:00	16.67439	16.69437	16.63584	729.36645	729.39996	729.19995	21.20739	21.39999	20.99999	22.38122	22.9	22.1	34.6337	34.71811	34.55188	1.17383	1.6	0.8	2.21624	0.02769	2.21638	220424957	4030325	86

08/24/2017 11:23:00	16.67439	16.69437	16.63584	729.36645	729.39996	729.19995	21.20739	21.39999	20.99999	22.38122	22.9	22.1	34.6337	34.71811	34.55188	1.17383	1.4	0.4	2.29961	0.04138	2.29972	220424957	4030325	86
08/24/2017 11:28:00	16.67513	16.6977	16.66087	729.32086	729.39996	729.09997	21.41075	21.49999	21.3	22.34237	22.8	21.8	34.68156	34.88436	34.57958	0.93162	1.4	0.4	2.38298	0.07396	2.38277	220424957	4030325	86
08/24/2017 11:33:00	16.67498	16.70695	16.64465	729.46038	729.5	729.29998	21.71409	21.89999	21.59999	22.51539	23.2	22.1	34.68776	34.96749	34.57958	0.8013	1.5	0.4	2.46636	0.05509	2.46638	220424957	4030325	86
08/24/2017 11:38:00	16.67498	16.70695	16.64465	729.46038	729.5	729.29998	21.71409	21.89999	21.59999	22.51539	23.2	22.1	34.68776	34.96749	34.57958	0.8013	1.5	0.4	2.54974	0.04466	2.54944	220424957	4030325	86
08/24/2017 11:43:00	16.67353	16.69489	16.64558	729.48187	729.5	729.39996	21.98994	22.09999	21.89999	22.95969	23.4	22.6	34.74339	34.93978	34.60729	0.96975	1.5	0.5	2.63311	0.02066	2.63305	220424957	4030325	86
08/24/2017 11:48:00	16.67353	16.69489	16.64558	729.48187	729.5	729.39996	21.98994	22.09999	21.89999	22.95969	23.4	22.6	34.74339	34.93978	34.60729	0.96975	1.5	0.5	2.71648	0.02384	2.71611	220424957	4030325	86
08/24/2017 11:53:00	16.67464	16.69764	16.65857	729.3872	729.5	729.19995	22.2302	22.3	22.19999	23.48795	23.9	22.9	34.91553	35.05062	34.69041	1.25774	1.7	0.6	2.79985	0.01676	2.79972	220424957	4030325	86
08/24/2017 11:58:00	16.67551	16.70342	16.65064	729.43426	729.5	729.29998	22.34023	22.49999	22.19999	23.61274	24.6	23.2	34.92004	35.02291	34.69041	1.27251	2.3	0.7	2.88323	0.01677	2.88305	220424957	4030325	86
08/24/2017 12:03:00	16.67446	16.69238	16.65228	729.42315	729.5	729.29998	22.5718	22.69999	22.3	23.39658	23.8	23	35.02069	35.13374	34.93978	0.82478	1.2	0.5	2.9666	0.07603	2.96638	220424957	4030325	86
08/24/2017 12:08:00	16.67446	16.69238	16.65228	729.42315	729.5	729.29998	22.5718	22.69999	22.3	23.39658	23.8	23	35.02069	35.13374	34.93978	0.82478	1.2	0.5	3.04998	0.02058	3.04944	220424957	4030325	86
08/24/2017 12:13:00	16.6737	16.69426	16.65003	729.42315	729.5	729.29998	22.81005	22.89999	22.8	24.10136	24.4	23.9	34.96376	35.05062	34.77353	1.2913	1.6	1	3.13334	0.02895	3.13305	220424957	4030325	86
08/24/2017 12:18:00	16.6737	16.69426	16.65003	729.42315	729.5	729.29998	22.81005	22.89999	22.8	24.10136	24.4	23.9	34.96376	35.05062	34.77353	1.2913	1.6	1	3.21672	0.00927	3.21611	220424957	4030325	86
08/24/2017 12:23:00	16.67369	16.69426	16.65323	729.349	729.5	729.19995	23.03754	23.19999	22.89999	24.4295	25.1	24.1	34.9409	35.05062	34.71811	1.39195	1.9	1	3.30008	0.04111	3.29972	220424957	4030325	86
08/24/2017 12:27:59	16.67369	16.69426	16.65323	729.349	729.5	729.19995	23.03754	23.19999	22.89999	24.4295	25.1	24.1	34.9409	35.05062	34.71811	1.39195	1.9	1	3.38346	0.03817	3.38277	220424957	4030325	86
08/24/2017 12:33:00	16.67512	16.70816	16.65065	729.22345	729.29998	729.09997	23.21006	23.3	23.09999	24.22005	24.6	23.6	35.05078	35.21686	34.93978	1.00999	1.4	0.6	3.46683	0.03188	3.46638	220424957	4030325	86
08/24/2017 12:37:59	16.67571	16.69746	16.65146	729.2221	729.29998	729.09997	23.30671	23.39999	23.19999	24.30063	24.7	23.9	35.14611	35.29999	34.9952	0.99391	1.4	0.6	3.55022	0.02047	3.54944	220424957	4030325	86
08/24/2017 12:43:00	16.67818	16.70055	16.65343	729.25366	729.29998	729.19995	23.3671	23.39999	23.3	25.2778	26.2	24.1	35.05329	35.21686	34.85666	1.9107	2.4	1.7	3.6336	0.1175	3.63305	220424957	4030325	86
08/24/2017 12:48:00	16.67549	16.70142	16.65536	729.22143	729.29998	729.19995	23.5403	23.69999	23.49999	25.48519	25.9	25.2	35.07878	35.21686	34.93978	1.94489	2.4	1.7	3.71698	0.05304	3.71611	220424957	4030325	86
08/24/2017 12:53:00	16.67441	16.70217	16.64932	729.12817	729.19995	729	23.88321	23.99999	23.8	25.42817	26	25	35.13736	35.24457	34.9952	1.54496	2.2	1.1	3.80035	0.00839	3.79972	220424957	4030325	86
08/24/2017 12:58:00	16.67441	16.70217	16.64932	729.12817	729.19995	729	23.88321	23.99999	23.8	25.42817	26	25	35.13736	35.24457	34.9952	1.54496	2.3	1.2	3.88374	0.03836	3.88305	220424957	4030325	86
08/24/2017 13:03:00	16.67607	16.70762	16.65311	729.0426	729.19995	728.89996	24.00737	24.3	23.89999	25.70189	26.3	25.2	35.19567	35.32769	35.10603	1.69452	2.3	1.2	3.9671	0.03828	3.96611	220424957	4030325	86
08/24/2017 13:07:59	16.67298	16.71189	16.64093	729.01037	729.09997	728.89996	24.24162	24.39999	23.99999	25.4805	25.9	25.2	35.20216	35.38311	35.10603	1.23888	1.9	0.9	4.05048	0	4.04944	220424957	4030325	86
08/24/2017 13:13:00	16.67595	16.70331	16.6545	728.97186	729	728.79998	24.52685	24.59999	24.49999	26.08108	26.4	25.7	35.2667	35.3554	35.13374	1.55423	1.9	1.2	4.13386	0.02996	4.13305	220424957	4030325	86
08/24/2017 13:18:00	16.67595	16.70331	16.6545	728.97186	729	728.79998	24.52685	24.59999	24.49999	26.08108	26.4	25.7	35.2667	35.3554	35.13374	1.55423	1.9	1.2	4.21723	0.01801	4.21611	220424957	4030325	86
08/24/2017 13:23:00	16.67662	16.69756	16.65373	728.89898	728.89996	728.79998	24.87786	24.99999	24.69999	26.80344	27.5	26.2	35.31477	35.38311	35.21686	1.92558	2.6	1.3	4.30061	0.07926	4.29972	220424957	4030325	86
08/24/2017 13:28:00	16.67662	16.69756	16.65373	728.89898	728.89996	728.79998	24.87786	24.99999	24.69999	26.80344	27.5	26.2	35.31477	35.38311	35.21686	1.92558	2.6	1.3	4.38397	0.00233	4.38277	220424957	4030325	86
08/24/2017 13:32:59	16.67526	16.69119	16.64103	728.89093	728.89996	728.79998	25.00335	25.09999	24.89999	26.55832	26.9	26.2	35.32648	35.41082	35.24457	1.55496	1.8	1.2	4.46734	0.05642	4.46611	220424957	4030325	86
08/24/2017 13:38:00	16.6751	16.70198	16.64974	728.88488	728.89996	728.79998	25.157	25.3	24.99999	26.78005	27.2	26.3	35.30973	35.41082	35.18916	1.62305	2.1	1	4.55071	0.07704	4.54944	220424957	4030325	86
08/24/2017 13:43:00	16.67567	16.72554	16.62644	728.89593	729	728.79998	25.57183	26.09999	24.99999	27.16966	27.8	26.4	35.31329	35.43853	35.13374	1.59783	2.6	0.6	4.63409	0.0954	4.63305	220424957	4030325	86
08/24/2017 13:48:00	16.67567	16.72554	16.62644	728.89593	729	728.79998	25.57183	26.09999	24.99999	27.16966	27.8	26.4	35.31329	35.43853	35.13374	1.59783	2.6	0.6	4.71747	0.0935	4.71611	220424957	4030325	86
08/24/2017 13:53:00	16.67367	16.70057	16.6469	728.94928	729	728.89996	25.78794	26.09999	25.59999	27.78389	28.3	27.2	35.25758	35.38311	35.13374	1.99594	2.5	1.4	4.80083	0.09963	4.79972	220424957	4030325	86
08/24/2017 13:57:59	16.67367	16.70057	16.6469	728.94928	729	728.89996	25.78794	26.09999	25.59999	27.78389	28.3	27.2	35.25758	35.38311	35.13374	1.99594	2.5	1.4	4.8842	0.00208	4.88277	220424957	4030325	86
08/24/2017 14:03:00	16.67528	16.70905	16.6196	729	729	729	25.97383	26.69999	25.59999	27.77047	28.4	26.9	35.29885	35.41082	35.10603	1.79663	2.6	0.9	4.96758	0.14124	4.96611	220424957	4030325	86
08/24/2017 14:08:00	16.6749	16.79718	16.57699	728.87182	729	728.69995	26.23351	27.59999	25.19999	27.69587	28.8	26.4	35.41148	35.52165	35.29999	1.51604	3.1	0.19999	5.05096	0.0084	5.04972	220424957	4030325	86
08/24/2017 14:13:00	16.6749	16.79718	16.57699	728.87182	729	728.69995	26.23351	27.59999	25.19999	27.69587	28.8	26.4	35.41148	35.52165	35.29999	1.51604	3.1	0.19999	5.13433	0.10586	5.13277	220424957	4030325	86
08/24/2017 14:18:00	16.67406	16.76737	16.61114	728.89392	728.89996	728.79998	26.53231	27.39999	25.3	27.71696	28.7	26.6	35.3697	35.46624	35.29999	1.18465	2.7	0.1	5.2177	0.19176	5.21638	220424957	4030325	86
08/24/2017 14:23:00	16.6764	16.73033	16.6129	728.83923	728.89996	728.79998	26.72534	27.49999	25.8	27.76831	28.3	26.9	35.36182	35.43853	35.27227	1.04296	1.8	0.2	5.30108	0.07284	5.29972	220424957	4030325	86
08/24/2017 14:28:00	16.6764	16.73033	16.6129	728.83923	728.89996	728.79998	26.72534	27.49999	25.8	27.76831	28.3	26.9	35.36182	35.43853	35.27227	1.04296	1.8	0.2	5.38445	0.23766	5.38277	220424957	4030325	86
08/24/2017 14:32:59	16.67218	16.77823	16.56876	728.82415	728.89996	728.79998	26.75296	27.99999	25.49999	27.29539	28.7	25.6	35.37938	35.52165	35.29999	0.77688	2.5	0	5.46785	0.19968	5.46611	220424957	4030325	86
08/24/2017 14:38:00	16.67865	16.76974	16.58954	728.8587	728.89996	728.79998	26.90717	28.49999	25.19999	28.19602	30.1	26.8	35.31531	35.46624	35.16144	1.32239	3.6	0	5.55124	0.08854	5.54944	220424957	4030325	86
08/24/2017 14:43:00	16.67462	16.86167	16.50897	728.79998	728.79998	728.79998	27.01372	28.89999	25.19999	27.83615	30.5	26.3	35.39361	35.54936	35.18916	1.037	3.2	0.1	5.63461	0.17691	5.63305	220424957	4030325	86
08/24/2017 14:48:00	16.67462	16.86167	16.50897	728.79998	728.79998	728.79998	27.01372	28.89999	25.19999	27.83615	30.5	26.3	35.39361	35.54936	35.18916	1.037	3.2	0	5.71797	0.07482	5.71638	220424957	4030325	86
08/24/2017 14:52:59	16.67242	16.77655	16.53562	728.78888	728.79998	728.69995	27.26616	28.69999	25.8	28.03373	29.2	26.3	35.36671	35.49395	35.24457	0.98881	3.2	0	5.80137	0.19374	5.79944	220424957	4030325	86
08/24/2017 14:58:00	16.67548	16.78046	16.58604	728.69995	728.69995	728.69995	27.33612	28.3	26.3	28.65038	29.9	27.7	35.34618	35.49395	35.16144	1.31426	2.7	0	5.88475	0.00375	5.88305	220424957	4030325	86
08/24/2017 15:03:00	16.67548	16.78046	16.58604	728.69995	728.69995	728.69995	27.33612	28.3	26.3	28.65038	29.9	27.7	35.34618	35.49395	35.16144	1.31426	2.7	0	5.96812	0.15444	5.96611	220424957	4030325	86
08/24/2017 15:08:00	16.67525	16.75247	16.58451	728.69995	728.69995	728.69995	27.76862	29.19999	26.49999	28.37437	29.5	27.1	35.35834	35.52165	35.21686	0.88798	2.7	0	6.05149	0.10143	6.04972	220424957	4030325	86
08/24/2017 15:13:00	16.67525	16.75247	16.58451	728.69995	728.69995	728.69995	27.76862	29.19999	26.49999	28.37437	29.5	27.1	35.35834	35.52165	35.21686	0.88798	2.7	0	6.13486	0.09993	6.13305	220424957	4030325	86
08/24/2017 15:18:00	16.67548	16.77838	16.59586	728.69897	728.69995	728.59997	27.82834	29.19999	26.3	28.68044	29.9	27.1	35.41238	35.57707	35.27227	1.1678	3.1	0.19999	6.21824	0.10136	6.21638	220424957	4030325	86
08/24/2017 15:23:00	16.67569	16.74727	16.58965	728.69897	728.69995	728.59997	28.11069	29.09999	27.49999	28.81371	29.8	27.4	35.38756	35.52165	35.24457	0.81436	2.1	0.09999	6.30162	0.04052	6.29972	220424957	4030325	86
08/24/2017 15:27:59	16.67569	16.74727	16.58965	728.69897	728.69995	728.59997	28.11069	29.09999	27.49999	28.81371	29.8	27.4	35.38756	35.52165	35.24457	0.81436	2.1	0.09999	6.38499	0	6.38277	220424957	4030325	86
08/24/2017 15:33:00	16.6761	16.71313	16.6232	728.69897	728.69995	728.59997	28.06918	28.3	27.59999	28.75191	29.3	27.5	35.40397	35.54936	35.27227	0.74033	1.4	0	6.46835	0.05059	6.46638	220424957	4030325	86
08/24/2017 15:38:00	16.67697	16.71391	16.60622	728.64087	728.69995	728.5	28.18454	28.59999	27.89999	28.55153	29.5	27.8	35.44049	35.57707	35.32769	0.44753	1.5	0	6.55174	0.11301	6.54972	220424957	4030325	86
08/24/2017 15:42:59	16.67697	16.71391	16.60622	728.64087	728.69995	728.5	28.18454	28.59999	27.89999	28.55153	29.5	27.8	35.44049	35.57707	35.32769	0.44753	1.5	0	6.6351	0.05065	6.63277	220424957	4030325	86
08/24/2017 15:47:59	16.67414	16.71217	16.62473	728.67279	728.69995	728.59997	28.3416	28.8	27.89999	29.18925	29.9	28.4	35.39744	35.49395	35.27227	0.85436	1.7	0.09999	6.71847	0.02199	6.71611	220424957	4030325	86
08/24/2017 15:53:00	16.67475	16.70511	16.64125	728.52313	728.59997	728.39996	28.51674	28.8	28.19999	29.09935	29.8	28.4	35.46484	35.60477	35.3554	0.60944	1.3	0	6.80184	0.03874	6.79972	220424957	4030325	86
08/24/2017 15:57:59	16.67475	16.70511	16.64125	728.52313	728.59997	728.39996	28.51674	28.8	28.19999	29.09935	29.8	28.4	35.46484	35.60477	35.3554	0.60944	1.3	0	6.8852	0.03869	6.88277	220424957	4030325	86
08/24/2017 16:02:59	16.67302	16.70078	16.66094	728.49798	728.5	728.39996	28.60067	28.8	28.49999	28.36649	28.7	28	35.56079	35.66019	35.46624	0.26102	0.59999	0	6.96857	0.00172	6.96611	220424957	4030325	86
08/24/2017 16:07:59	16.67558	16.70747	16.65731	728.5	728.5	728.5	28.61343	28.8	28.3	28.63265	29.2	28.1	35.54499	35.63248	35.49395	0.22893	0.6	0	7.05194	0.08922	7.04944	220424957	4030325	86
08/24/2017 16:13:00	16.67566	16.70883	16.64213	728.41436	728.5	728.39996	28.63018	28.89999	28.3	28.27316	28.8	27.8	35.5619	35.63248	35.49395	0.37044	0.8	0	7.13532	0.07928	7.13305	220424957	4030325	86
08/24/2017 16:17:59	16.67566	16.70883	16.64213	728.41436	728.5	728.39996	28.63018	28.89999	28.3	28.27316	28.8	27.8	35.5619	35.63248	35.49395	0.37044	0.8	0	7.21869	0.05898	7.21611	220424957	4030325	86
08/24/2017 16:22:59	16.67588	16.69873	16.64396	728.39294	728.39996	728.29998	28.63554	28.8	28.49999	28.26445	28.6	28	35.52146	35.63248	35.38311	0.37782	0.69999	0.09999	7.30208	0.03874	7.29944	220424957	4030325	86
08/24/2017 16:28:00	16.67438	16.70443	16.64213	728.37378	728.39996	728.29998	28.56912	28.69999	28.49999	28.09605	28.4	27.7	35.53873	35.63248	35.43853	0.47307	0.8	0.09999	7.38545	0.0099	7.38305	220424957	4030325	86
08/24/2017 16:33:00	16.67525	16.70388	16.65191	728.3446	728.39996	728.19995	28.51614	28.59999	28.3	27.75037	28.2	27.4	35.54862	35.60477	35.49395	0.76576	0.99999	0.29999	7.46881	0.05694	7.46638	220424957	4030325	86
08/24/2017 16:37:59	16.67525	16.70388	16.65191	728.3446	728.39996	728.19995	28.51614	28.59999	28.3	27.75037	28.2	27.4	35.54862	35.60477	35.49395	0.76576	0.99999	0.29999	7.55219	0.03678	7.54944	220424957	4030325	86
08/24/2017 16:42:59	16.67665	16.70152	16.63259	728.36944	728.39996	728.19995	28.45969	28.59999	28.19999	27.90134	28.3	27.2	35.54274	35.60477	35.43853	0.55835	1.29999	0.19999	7.63556	0.01833	7.63277	220424957	4030325	86
08/24/2017 16:48:00	16.67445	16.70723	16.65705	728.35235	728.39996	728.19995	28.30338	28.59999	28.09999	27.9591	28.2	27.7	35.53995	35.60477	35.43853	0.34428	1.39999	0	7.71894	0.05898	7.71638	220424957	4030325	86
08/24/2017 16:52:59	16.67584	16.69873	16.64801	728.32513	728.39996	728.29998	28.2436	28.49999	27.99999	27.8	28.4	27.1	35.53877	35.60477	35.43853	0.46375	0.89999	0.09999	7.8023	0.04067	7.79972	220424957	4030325	86
08/24/2017 16:57:59	16.67319	16.71473	16.63773	728.30499	728.39996	728.19995	28.16574	28.59999	27.89999	27.70945	28.1	27.4	35.54908	35.60477	35.46624	0.46969	0.89999	0.09999	7.88568	0.10726	7.88277	220424957	4030325	86
08/24/2017 17:02:59	16.6753	16.71692	16.62914	728.34326	728.39996	728.29998	28.12218	28.49999	27.59999	27.55574	28.1	27.1	35.54146	35.60477	35.43853	0.57314	1.39999	0.09999	7.96905	0.0076	7.96611	220424957	4030325	86
08/24/2017 17:07:59	16.67529	16.70724	16.65255	728.30841	728.39996	728.29998	27.93624	28.09999	27.69999	27.38187	27.7	26.9	35.55391	35.6879	35.49395	0.55437	1.09999	0.19999	8.05242	0.07717	8.04972	220424957	4030325	86
08/24/2017 17:12:59	16.67529	16.70724	16.65255	728.30841	728.39996	728.29998	27.93624	28.09999	27.69999	27.38187	27.7	26.9	35.55391	35.6879	35.49395	0.55437	1.09999	0.19999	8.1358	0.05122	8.13277	220424957	4030325	86
08/24/2017 17:17:59	16.67379	16.70509	16.64173	728.2547	728.29998	728.19995	27.81942	27.89999	27.49999	27.34904	27.7	26.9	35.47507	35.57707	35.3554	0.4838	0.79999	0.1	8.21919	0.00218	8.21638	220424957	4030325	86

08/24/2017 17:22:59	16.67379	16.70509	16.64173	728.2547	728.29998	728.19995	27.81942	27.89999	27.49999	27.34904	27.7	26.9	35.47507	35.57707	35.3554	0.4838	0.79999	0.1	8.30261	0.07712	8.29944	220424957	4030325	86
08/24/2017 17:27:59	16.67297	16.68971	16.6492	728.19018	728.29998	728.09997	27.63623	27.89999	27.49999	27.08659	27.2	26.9	35.53515	35.63248	35.43853	0.54964	0.89999	0.39999	8.38601	0.03857	8.38277	220424957	4030325	86
08/24/2017 17:33:00	16.67743	16.72852	16.62536	728.10199	728.19995	728.09997	27.51614	27.99999	27.09999	27.41194	28.2	26.9	35.53885	35.63248	35.46624	0.2652	0.7	0	8.46941	0.09963	8.46638	220424957	4030325	86
08/24/2017 17:37:59	16.67743	16.72852	16.62536	728.10199	728.19995	728.09997	27.51614	27.99999	27.09999	27.41194	28.2	26.9	35.53885	35.63248	35.46624	0.2652	0.7	0	8.55278	0.10197	8.54944	220424957	4030325	86
08/24/2017 17:42:59	16.67607	16.75969	16.61335	728.09997	728.09997	728.09997	27.44495	28.09999	26.8	26.52462	27.4	25.3	35.6139	35.74332	35.46624	0.96719	2.59999	0.09999	8.63617	0.13918	8.63305	220424957	4030325	86
08/24/2017 17:47:59	16.67607	16.75969	16.61335	728.09997	728.09997	728.09997	27.44495	28.09999	26.8	26.52462	27.4	25.3	35.6139	35.74332	35.46624	0.96719	2.59999	0.09999	8.71951	0.08902	8.71611	220424957	4030325	86
08/24/2017 17:52:59	16.67415	16.77417	16.56464	728.09997	728.09997	728.09997	27.05695	28.19999	26.3	25.95775	27.8	24.6	35.58477	35.74332	35.3554	1.26694	2.89999	0	8.80289	0.29041	8.79972	220424957	4030325	86
08/24/2017 17:57:59	16.67415	16.77417	16.56464	728.09997	728.09997	728.09997	27.05695	28.19999	26.3	25.95775	27.8	24.6	35.58477	35.74332	35.3554	1.26694	2.89999	0	8.88627	0.08397	8.88277	220424957	4030325	86
08/24/2017 18:02:59	16.67684	16.75057	16.59185	728.05169	728.09997	728	26.93415	28.09999	25.8	25.77479	27.1	24.8	35.62133	35.77102	35.49395	1.15935	3.3	0	8.96968	0	8.96611	220424957	4030325	86
08/24/2017 18:07:59	16.67595	16.78085	16.59779	727.99597	728	727.89996	26.32752	27.09999	25.19999	25.72217	26.8	24.1	35.60995	35.77102	35.49395	0.67232	2.49999	0	9.05305	0.05625	9.04972	220424957	4030325	86
08/24/2017 18:12:59	16.67595	16.78085	16.59779	727.99597	728	727.89996	26.32752	27.09999	25.19999	25.72217	26.8	24.1	35.60995	35.77102	35.49395	0.67232	2.49999	0	9.13643	0.05876	9.13277	220424957	4030325	86
08/24/2017 18:17:59	16.67272	16.88266	16.55194	727.91742	728	727.89996	26.2115	27.89999	23.99999	24.81347	26.9	22.9	35.65051	35.82644	35.52165	1.72695	4.19999	0.09999	9.21979	0.02946	9.21638	220424957	4030325	86
08/24/2017 18:22:59	16.67272	16.88266	16.55194	727.91742	728	727.89996	26.2115	27.89999	23.99999	24.81347	26.9	22.9	35.65051	35.82644	35.52165	1.72695	4.19999	0.09999	9.30316	0.03533	9.29944	220424957	4030325	86
08/24/2017 18:27:59	16.6755	16.74863	16.6086	727.91809	728	727.89996	25.95249	27.49999	25.3	24.69644	25.8	23.8	35.62344	35.74332	35.52165	1.25605	3.39999	0	9.38655	0.0529	9.38277	220424957	4030325	86
08/24/2017 18:32:59	16.67488	16.7843	16.56993	727.87683	727.89996	727.79998	25.82946	27.09999	24.39999	24.24305	25.3	22.6	35.61816	35.74332	35.49395	1.59986	3.69999	0	9.46994	0.10858	9.46638	220424957	4030325	86
08/24/2017 18:37:59	16.67488	16.7843	16.56993	727.87683	727.89996	727.79998	25.82946	27.09999	24.39999	24.24305	25.3	22.6	35.61816	35.74332	35.49395	1.59986	3.69999	0	9.55332	0.03819	9.54944	220424957	4030325	86
08/24/2017 18:42:59	16.67439	16.69666	16.65216	727.79998	727.79998	727.79998	24.98914	25.3	24.69999	24.00605	24.4	23.6	35.54017	35.6879	35.43853	0.98308	1.59999	0.59999	9.6367	0.06464	9.63305	220424957	4030325	86
08/24/2017 18:47:59	16.67439	16.69666	16.65216	727.79998	727.79998	727.79998	24.98914	25.3	24.69999	24.00605	24.4	23.6	35.54017	35.6879	35.43853	0.98308	1.59999	0.59999	9.72009	0.09996	9.71611	220424957	4030325	86
08/24/2017 18:52:59	16.67385	16.70652	16.63485	727.78991	727.79998	727.69995	24.70814	25.19999	24.3	23.77118	24.1	23.4	35.51895	35.57707	35.43853	0.93696	1.8	0.3	9.80351	0.05872	9.79944	220424957	4030325	86
08/24/2017 18:57:59	16.67353	16.68794	16.65358	727.75567	727.79998	727.69995	24.35306	24.49999	24.09999	22.94093	23.3	22.8	35.56462	35.66019	35.43853	1.41212	1.59999	1.09999	9.88695	0.02066	9.88305	220424957	4030325	86
08/24/2017 19:02:59	16.67353	16.68794	16.65358	727.75567	727.79998	727.69995	24.35306	24.49999	24.09999	22.94093	23.3	22.8	35.56462	35.66019	35.43853	1.41212	1.59999	1.09999	9.97041	0	9.96611	220424957	4030325	86
08/24/2017 19:07:59	16.6731	16.68794	16.65502	727.7033	727.79998	727.59997	24.07186	24.3	23.89999	22.71946	22.9	22.6	35.54107	35.60477	35.46624	1.35239	1.59999	1.19999	10.05381	0.03797	10.04972	220424957	4030325	86
08/24/2017 19:12:59	16.67324	16.69186	16.6425	727.66876	727.69995	727.59997	23.8222	23.99999	23.69999	22.36512	22.6	22.2	35.56311	35.6879	35.43853	1.45707	1.69999	1.29999	10.13723	0.02425	10.13277	220424957	4030325	86
08/24/2017 19:17:59	16.67342	16.69228	16.65219	727.68353	727.69995	727.59997	23.48857	23.69999	23.39999	22.07656	22.2	21.8	35.45754	35.63248	35.32769	1.41201	1.59999	1.29999	10.22067	0.01714	10.21611	220424957	4030325	86
08/24/2017 19:22:59	16.6733	16.69029	16.66086	727.69964	727.69995	727.59997	23.24233	23.39999	23.09999	21.67583	21.8	21.6	35.39707	35.49395	35.29999	1.5665	1.69999	1.39999	10.30411	0.02078	10.29944	220424957	4030325	86
08/24/2017 19:27:59	16.67486	16.68854	16.66151	727.69995	727.69995	727.69995	22.5189	22.8	22.3	20.89602	21	20.8	35.35437	35.49395	35.27227	1.62287	1.8	1.4	10.38758	0	10.38305	220424957	4030325	86
08/24/2017 19:32:59	16.67486	16.68854	16.66151	727.69995	727.69995	727.69995	22.5189	22.8	22.3	20.89602	21	20.8	35.35437	35.49395	35.27227	1.62287	1.8	1.4	10.47102	0.03773	10.46611	220424957	4030325	86
08/24/2017 19:37:59	16.67648	16.68871	16.65586	727.61602	727.69995	727.59997	21.77841	21.99999	21.49999	20.31205	20.5	20.2	35.19706	35.29999	35.05062	1.46635	1.69999	1.19999	10.55446	0.0377	10.54972	220424957	4030325	86
08/24/2017 19:42:59	16.67648	16.68871	16.65586	727.61602	727.69995	727.59997	21.77841	21.99999	21.49999	20.31205	20.5	20.2	35.19706	35.29999	35.05062	1.46635	1.69999	1.19999	10.63789	0	10.63277	220424957	4030325	86
08/24/2017 19:47:59	16.6725	16.69117	16.65586	727.60028	727.69995	727.59997	21.38856	21.59999	20.99999	20.14889	20.3	19.9	35.05712	35.24457	34.96749	1.23966	1.4	0.99999	10.72134	0.07941	10.71611	220424957	4030325	86
08/24/2017 19:52:59	16.67331	16.69231	16.65948	727.599	727.59997	727.5	20.93424	21.3	20.69999	19.95368	20.2	19.9	34.89774	35.07832	34.63499	0.98056	0.8	0.09999	10.8048	0.01244	10.79972	220424957	4030325	86
08/24/2017 19:57:59	16.67146	16.69467	16.65363	727.59594	727.59997	727.5	20.52551	20.69999	20.3	20.13431	20.2	19.9	34.62746	34.82895	34.52416	0.3912	0.8	0.09999	10.88825	0.03765	10.88277	220424957	4030325	86
08/24/2017 20:02:59	16.67332	16.68767	16.64306	727.54223	727.59997	727.5	20.16238	20.3	19.89999	19.92609	20.2	19.8	34.64491	34.77353	34.46875	0.23629	0.4	0.09999	10.97165	0.01673	10.96611	220424957	4030325	86
08/24/2017 20:07:59	16.67307	16.68652	16.65485	727.5	727.5	727.5	19.78926	19.89999	19.69999	19.73293	19.8	19.6	34.76577	35.02291	34.60729	0.06305	0.19999	0	11.05508	0	11.04944	220424957	4030325	86
08/24/2017 20:12:59	16.67307	16.69944	16.65839	727.47985	727.5	727.39996	19.48529	19.69999	19.19999	19.50603	19.7	19.3	34.87556	34.9952	34.71811	0.05299	0.2	0	11.13854	0	11.13277	220424957	4030325	86
08/24/2017 20:17:59	16.67401	16.69002	16.6537	727.41607	727.5	727.39996	19.15641	19.3	18.99999	19.24904	19.4	19.1	35.00643	35.10603	34.82895	0.09263	0.2	0	11.22195	0	11.21611	220424957	4030325	86
08/24/2017 20:22:59	16.67558	16.70638	16.6537	727.42108	727.5	727.39996	18.90606	18.99999	18.69999	18.89598	19.1	18.7	35.0388	35.13374	34.93978	0.11074	0.2	0	11.3054	0.01651	11.29972	220424957	4030325	86
08/24/2017 20:27:59	16.67609	16.69102	16.64894	727.48083	727.5	727.39996	18.60134	18.89999	18.39999	18.68323	18.8	18.5	35.05251	35.16144	34.96749	0.0926	0.2	0	11.38879	0.03744	11.38277	220424957	4030325	86
08/24/2017 20:32:59	16.67363	16.69773	16.65111	727.5	727.5	727.5	18.08522	18.3	17.89999	18.1564	18.2	18.1	35.04803	35.18916	34.88436	0.12352	0.2	0.09999	11.47216	0.03741	11.46638	220424957	4030325	86
08/24/2017 20:37:59	16.67447	16.69773	16.66494	727.5	727.5	727.5	18.08522	18.3	17.89999	18.1564	18.2	18.1	35.04803	35.18916	34.88436	0.12352	0.3	0	11.55558	0	11.54972	220424957	4030325	86
08/24/2017 20:42:59	16.67534	16.69642	16.64963	727.4909	727.5	727.39996	17.61889	17.8	17.49999	17.80273	17.9	17.6	35.17006	35.27227	35.07832	0.18384	0.3	0.1	11.63897	0.07012	11.63305	220424957	4030325	86
08/24/2017 20:47:59	16.67534	16.69642	16.64963	727.4909	727.5	727.39996	17.61889	17.8	17.49999	17.80273	17.9	17.6	35.17006	35.27227	35.07832	0.18384	0.3	0.1	11.72235	0	11.71611	220424957	4030325	86
08/24/2017 20:52:59	16.67587	16.69968	16.65775	727.48486	727.5	727.39996	17.17578	17.3	16.89999	17.64363	17.8	17.5	35.20732	35.32769	35.05062	0.46784	0.9	0.2	11.80574	0.07945	11.79972	220424957	4030325	86
08/24/2017 20:57:59	16.67587	16.69968	16.65775	727.48486	727.5	727.39996	17.17578	17.3	16.89999	17.64363	17.8	17.5	35.20732	35.32769	35.05062	0.46784	0.9	0.2	11.8892	0.02104	11.88277	220424957	4030325	86
08/24/2017 21:02:59	16.67704	16.69052	16.65775	727.49798	727.5	727.39996	16.89331	17.09999	16.8	17.61007	17.8	17.5	35.23463	35.32769	35.10603	0.71675	0.9	0.5	11.9726	0.03741	11.96611	220424957	4030325	86
08/24/2017 21:07:59	16.67466	16.69288	16.65681	727.46374	727.5	727.39996	16.71614	16.8	16.59999	17.7208	17.9	17.5	35.17449	35.27227	35.07832	1.00466	1.3	0.8	12.05603	0.0163	12.04944	220424957	4030325	86
08/24/2017 21:12:59	16.67552	16.69156	16.65775	727.49163	727.5	727.39996	16.5765	16.69999	16.49999	17.63555	17.9	17.5	35.16426	35.27227	35.07832	1.05904	1.3	0.9	12.13946	0.07471	12.13277	220424957	4030325	86
08/24/2017 21:17:59	16.67519	16.701	16.65775	727.49701	727.5	727.39996	16.33893	16.59999	16.19999	17.56041	17.8	17.5	35.15762	35.24457	35.07832	1.22147	1.3	1	12.22288	0	12.21611	220424957	4030325	86
08/24/2017 21:22:59	16.67139	16.68786	16.66101	727.5	727.5	727.5	16.13291	16.19999	15.99999	17.30337	17.4	17.3	35.26083	35.32769	35.16144	1.17045	1.3	1.1	12.30631	0	12.29972	220424957	4030325	86
08/24/2017 21:27:59	16.67139	16.68786	16.66101	727.5	727.5	727.5	16.13291	16.19999	15.99999	17.30337	17.4	17.3	35.26083	35.32769	35.16144	1.17045	1.5	1.2	12.38978	0	12.38277	220424957	4030325	86
08/24/2017 21:32:59	16.67416	16.68786	16.66101	727.5	727.5	727.5	16.00338	16.09999	15.89999	17.35366	17.5	17.3	35.24339	35.3554	35.13374	1.35028	1.5	1.2	12.47323	0.01633	12.46611	220424957	4030325	86
08/24/2017 21:37:59	16.67256	16.68786	16.66101	727.5	727.5	727.5	15.82621	15.89999	15.69999	17.3825	17.5	17.3	35.23893	35.3554	35.16144	1.55629	1.7	1.4	12.55665	0.01628	12.54972	220424957	4030325	86
08/24/2017 21:42:59	16.67256	16.68786	16.66101	727.5	727.5	727.5	15.82621	15.89999	15.69999	17.3825	17.5	17.3	35.23893	35.3554	35.16144	1.55629	1.7	1.4	12.64008	0.03733	12.63277	220424957	4030325	86
08/24/2017 21:47:59	16.67505	16.69006	16.66101	727.55432	727.59997	727.5	15.70535	15.89999	15.59999	17.3	17.3	17.3	35.26492	35.32769	35.16144	1.59464	1.7	1.4	12.72349	0	12.71611	220424957	4030325	86
08/24/2017 21:52:59	16.67834	16.69006	16.65866	727.59997	727.59997	727.59997	15.57312	15.59999	15.39999	17.31675	17.5	17.3	35.26429	35.32769	35.16144	1.74362	1.9	1.7	12.80694	0	12.79972	220424957	4030325	86
08/24/2017 21:57:59	16.67834	16.69006	16.65866	727.59997	727.59997	727.59997	15.57312	15.59999	15.39999	17.31675	17.5	17.3	35.26429	35.32769	35.16144	1.74362	1.9	1.7	12.89042	0	12.88277	220424957	4030325	86
08/24/2017 22:02:59	16.67605	16.69006	16.66322	727.59997	727.59997	727.59997	15.44631	15.59999	15.39999	17.24358	17.3	17.2	35.26438	35.3554	35.18916	1.79726	2.1	1.8	12.97388	0	12.96611	220424957	4030325	86
08/24/2017 22:07:59	16.67425	16.69006	16.65596	727.59997	727.59997	727.59997	15.38993	15.39999	15.3	17.11226	17.3	16.9	35.27237	35.32769	35.21686	1.72233	1.9	1.5	13.05734	0.02108	13.04972	220424957	4030325	86
08/24/2017 22:12:59	16.67425	16.69006	16.65596	727.59997	727.59997	727.59997	15.38993	15.39999	15.3	17.11226	17.3	16.9	35.27237	35.32769	35.21686	1.72233	1.9	1.5	13.14078	0.02109	13.13277	220424957	4030325	86
08/24/2017 22:17:59	16.6766	16.6895	16.6686	727.6687	727.69995	727.59997	15.29329	15.39999	15.09999	16.85646	16.9	16.8	35.39447	35.49395	35.29999	1.56316	1.7	1.4	13.22424	0.03724	13.21638	220424957	4030325	86
08/24/2017 22:22:59	16.67573	16.68733	16.66406	727.68652	727.69995	727.59997	15.21274	15.3	14.99999	16.87718	16.9	16.8	35.39172	35.43853	35.32769	1.66443	1.9	1.5	13.3077	0.03725	13.29972	220424957	4030325	86
08/24/2017 22:27:59	16.67573	16.68733	16.66406	727.68652	727.69995	727.59997	15.21274	15.3	14.99999	16.87718	16.9	16.8	35.39172	35.43853	35.32769	1.66443	1.9	1.5	13.39118	0	13.38277	220424957	4030325	86
08/24/2017 22:32:59	16.67581	16.68733	16.66642	727.65667	727.69995	727.59997	15.09663	15.3	14.99999	16.88322	16.9	16.8	35.36925	35.46624	35.27227	1.78659	1.9	1.5	13.47466	0.0211	13.46611	220424957	4030325	86
08/24/2017 22:37:59	16.67464	16.68497	16.66406	727.69287	727.69995	727.59997	15.01609	15.09999	14.99999	16.89333	16.9	16.8	35.3707	35.46624	35.29999	1.87723	1.9	1.8	13.55812	0	13.54944	220424957	4030325	86
08/24/2017 22:42:59	16.67772	16.6895	16.6686	727.69592	727.69995	727.59997	14.99329	14.99999	14.89999	16.8161	16.9	16.7	35.37263	35.43853	35.24457	1.8228	1.9	1.7	13.64158	0.03724	13.63277	220424957	4030325	86
08/24/2017 22:47:59	16.67564	16.6881	16.65678	727.69995	727.69995	727.69995	14.91009	14.99999	14.79999	16.64293	16.7	16.6	35.40193	35.54936	35.29999	1.73283	1.9	1.6	13.72504	0.01613	13.71638	220424957	4030325	86
08/24/2017 22:52:59	16.67564	16.6881	16.65678	727.69995	727.69995	727.69995	14.91009	14.99999	14.79999	16.64293	16.7	16.6	35.40193	35.54936	35.29999	1.73283	1.8	1.7	13.80849	0	13.79944	220424957	4030325	86
08/24/2017 22:57:59	16.67486	16.69403	16.65678	727.69995	727.69995	727.69995	14.87983	14.89999	14.79999	16.65706	16.7	16.6	35.44119	35.52165	35.3554	1.77723	1.8	1.7	13.89198	0	13.88277	220424957	4030325	86
08/24/2017 23:02:59	16.67724	16.6881	16.66582	727.69995	727.69995	727.69995	14.77249	14.89999	14.69999	16.57997	16.6	16.4	35.47951	35.63248	35.38311	1.80747	1.9	1.5	13.97546	0.00501	13.96638	220424957	4030325	86
08/24/2017 23:07:59	16.67724	16.6881	16.66582	727.69995	727.69995	727.69995	14.77249	14.89999	14.69999	16.57997	16.6	16.4	35.47951	35.63248	35.38311	1.80747	1.9	1.6	14.05883	0.04222	14.04972	220424957	4030325	86
08/24/2017 23:12:59	16.67552	16.69855	16.65774	727.6275	727.69995	727.59997	14.73963	14.79999	14.69999	16.5329	16.6	16.4	35.47745	35.60477	35.3554	1.79326	1.9	1.6	14.1422	0.005	14.13277	220424957	4030325	86
08/24/2017 23:17:59	16.67476	16.69046	16.6473	727.59997	727.59997	727.59997	14.7	14.79999	14.49999	16.55974	16.6	16.4	35.48701	35.57707	35.41082	1.85974	2.1	1.6	14.22564	0.01605	14.21611	220424957	4030325	86

08/24/2017 23:22:59	16.67654	16.68762	16.66533	727.59997	727.59997	727.59997	14.51883	14.69999	14.49999	16.18656	16.3	16	35.55806	35.6879	35.46624	1.66772	1.8	1.5	14.30911	0.03716	14.29972	220424957	4030325	86
08/24/2017 23:27:59	16.67654	16.68762	16.66533	727.59997	727.59997	727.59997	14.51883	14.69999	14.49999	16.18656	16.3	16	35.55806	35.6879	35.46624	1.66772	1.8	1.5	14.39254	0	14.38277	220424957	4030325	86
08/24/2017 23:32:59	16.67432	16.69659	16.65491	727.61102	727.69995	727.59997	14.44297	14.49999	14.29999	15.8744	16.2	15.6	35.60655	35.74332	35.46624	1.43143	1.2	0.8	14.47594	0.03704	14.46638	220424957	4030325	86
08/24/2017 23:37:59	16.67543	16.6898	16.65649	727.66436	727.69995	727.59997	14.34297	14.49999	14.29999	15.43906	15.6	15.2	35.66892	35.74332	35.54936	1.09609	1.2	0.8	14.5594	0.03704	14.54944	220424957	4030325	86
08/24/2017 23:42:59	16.67788	16.69575	16.64672	727.69995	727.69995	727.69995	14.29662	14.29999	14.19999	15.22886	15.5	15.2	35.66669	35.77102	35.54936	0.93223	1.2	0.9	14.64283	0.01588	14.63277	220424957	4030325	86
08/24/2017 23:47:59	16.6769	16.7002	16.65711	727.69995	727.69995	727.69995	14.21345	14.29999	14.09999	15.34754	15.5	15.1	35.61254	35.74332	35.52165	1.13408	1.4	0.8	14.72627	0.02118	14.71611	220424957	4030325	86
08/24/2017 23:52:59	16.67497	16.68534	16.66454	727.69995	727.69995	727.69995	14.09934	14.19999	13.89999	15.50405	15.6	15.4	35.62027	35.74332	35.52165	1.40471	1.6	1.2	14.80973	0.0371	14.79944	220424957	4030325	86
08/24/2017 23:57:59	16.67216	16.68534	16.66007	727.69995	727.69995	727.69995	13.9658	14.09999	13.89999	15.56712	15.6	15.5	35.63688	35.7156	35.54936	1.60131	2	1.6	14.89321	0.01594	14.88277	220424957	4030325	86
08/25/2017 00:02:59	16.67261	16.68683	16.66007	727.69995	727.69995	727.69995	13.8732	13.89999	13.79999	15.6335	15.8	15.5	35.63544	35.74332	35.52165	1.76031	2	1.6	14.97667	0.07426	14.96611	220424957	4030325	86
08/25/2017 00:07:59	16.67464	16.68919	16.66243	727.59997	727.59997	727.59997	13.71007	13.79999	13.69999	15.63623	15.8	15.6	35.76616	35.85414	35.63248	1.92615	2	1.8	15.06013	0.03712	15.04972	220424957	4030325	86
08/25/2017 00:12:59	16.67464	16.68919	16.66243	727.59997	727.59997	727.59997	13.71007	13.79999	13.69999	15.63623	15.8	15.6	35.76616	35.85414	35.63248	1.92615	2	1.8	15.1436	0.02119	15.13277	220424957	4030325	86
08/25/2017 00:17:59	16.67362	16.68411	16.66182	727.5	727.5	727.5	13.68657	13.69999	13.59999	15.20007	15.5	15.1	35.86285	35.93727	35.79873	1.5135	1.8	1.4	15.22705	0.03705	15.21638	220424957	4030325	86
08/25/2017 00:22:59	16.67362	16.68411	16.66182	727.5	727.5	727.5	13.68657	13.69999	13.59999	15.20007	15.5	15.1	35.86285	35.93727	35.79873	1.5135	1.8	1.4	15.3105	0	15.29944	220424957	4030325	86
08/25/2017 00:27:59	16.67523	16.68553	16.6624	727.50903	727.59997	727.5	13.61678	13.69999	13.59999	14.89329	14.9	14.8	35.93592	36.0481	35.82644	1.2765	1.3	1.2	15.39395	0.02124	15.38305	220424957	4030325	86
08/25/2017 00:32:59	16.67523	16.68553	16.6624	727.50903	727.59997	727.5	13.61678	13.69999	13.59999	14.89329	14.9	14.8	35.93592	36.0481	35.82644	1.2765	1.3	1.2	15.47741	0.05826	15.46611	220424957	4030325	86
08/25/2017 00:37:59	16.67541	16.68912	16.6624	727.56646	727.59997	727.5	13.59328	13.59999	13.49999	14.96709	15.1	14.9	35.86952	35.99269	35.77102	1.3738	1.8	1.4	15.56086	0	15.54944	220424957	4030325	86
08/25/2017 00:42:59	16.67466	16.69301	16.66032	727.5	727.5	727.5	13.52018	13.59999	13.29999	15.043	15.2	14.9	35.866	35.96498	35.74332	1.52281	1.8	1.4	15.6443	0.02122	15.63277	220424957	4030325	86
08/25/2017 00:47:59	16.67579	16.69591	16.65881	727.5	727.5	727.5	13.39863	13.59999	13.29999	14.88854	15.1	14.8	35.89524	36.0204	35.77102	1.4899	1.8	1.3	15.72775	0	15.71638	220424957	4030325	86
08/25/2017 00:52:59	16.67527	16.69452	16.65143	727.5	727.5	727.5	13.30402	13.49999	13.19999	15.19391	15.4	15.1	35.99171	36.10352	35.88185	1.88989	2.1	1.8	15.81121	0.00534	15.79972	220424957	4030325	86
08/25/2017 00:57:59	16.67527	16.69452	16.65143	727.5	727.5	727.5	13.30402	13.49999	13.19999	15.19391	15.4	15.1	35.99171	36.10352	35.88185	1.88989	2.1	1.8	15.89465	0.02122	15.88277	220424957	4030325	86
08/25/2017 01:02:59	16.67372	16.68411	16.65143	727.5	727.5	727.5	13.28657	13.29999	13.19999	15.15972	15.4	15	35.99846	36.10352	35.90956	1.87315	2.1	1.7	15.97809	0.03698	15.96611	220424957	4030325	86
08/25/2017 01:07:59	16.67718	16.68995	16.66169	727.492	727.5	727.39996	13.26644	13.29999	13.19999	14.81276	15.1	14.6	36.0268	36.10352	35.96498	1.54632	1.6	1.3	16.06154	0.0084	16.04972	220424957	4030325	86
08/25/2017 01:12:59	16.67718	16.68995	16.66169	727.492	727.5	727.39996	13.22686	13.29999	13.19999	14.61547	14.8	14.5	36.05581	36.15893	35.96498	1.38861	1.6	1.3	16.145	0.01572	16.13277	220424957	4030325	86
08/25/2017 01:17:59	16.67101	16.68038	16.65964	727.40191	727.5	727.39996	13.15643	13.19999	12.99999	14.58726	14.6	14.5	36.07378	36.18664	35.99269	1.43082	1.6	1.3	16.22845	0.0084	16.21638	220424957	4030325	86
08/25/2017 01:22:59	16.67101	16.68038	16.65964	727.40191	727.5	727.39996	13.15643	13.19999	12.99999	14.58726	14.6	14.5	36.07378	36.18664	35.99269	1.43082	1.6	1.3	16.31189	0	16.29944	220424957	4030325	86
08/25/2017 01:27:59	16.6736	16.68479	16.65964	727.40997	727.5	727.39996	13.01679	13.19999	12.99999	14.51006	14.6	14.5	36.06479	36.15893	35.93727	1.49327	1.6	1.3	16.39533	0	16.38305	220424957	4030325	86
08/25/2017 01:32:59	16.6736	16.68479	16.65964	727.40997	727.5	727.39996	13.01679	13.19999	12.99999	14.51006	14.6	14.5	36.06479	36.15893	35.93727	1.49327	1.6	1.3	16.47853	0.03696	16.46611	220424957	4030325	86
08/25/2017 01:37:59	16.67593	16.68479	16.66249	727.39996	727.39996	727.39996	12.97988	12.99999	12.89999	14.44362	14.5	14.3	36.18711	36.26976	36.10352	1.46373	1.6	1.3	16.56174	0	16.54972	220424957	4030325	86
08/25/2017 01:42:59	16.67593	16.68479	16.66249	727.39996	727.39996	727.39996	12.97988	12.99999	12.89999	14.44362	14.5	14.3	36.18711	36.26976	36.10352	1.46373	1.6	1.3	16.64494	0.02126	16.63277	220424957	4030325	86
08/25/2017 01:47:59	16.67608	16.68919	16.65213	727.39996	727.39996	727.39996	12.89129	12.99999	12.69999	14.44965	14.5	14.3	36.17045	36.24206	36.10352	1.55836	1.8	1.3	16.72814	0.09521	16.71611	220424957	4030325	86
08/25/2017 01:52:59	16.67493	16.69752	16.65809	727.39093	727.39996	727.29998	12.69668	12.89999	12.59999	14.4839	14.6	14.4	36.20872	36.29747	36.13123	1.78722	1.9	1.6	16.81135	0	16.79972	220424957	4030325	86
08/25/2017 01:57:59	16.67493	16.69752	16.65809	727.39093	727.39996	727.29998	12.69668	12.89999	12.59999	14.4839	14.6	14.4	36.20872	36.29747	36.13123	1.78722	1.9	1.6	16.89455	0	16.88277	220424957	4030325	86
08/25/2017 02:02:59	16.67604	16.69516	16.65809	727.39795	727.39996	727.29998	12.64298	12.69999	12.59999	14.45635	14.6	14.3	36.20266	36.29747	36.10352	1.81336	2	1.6	16.97775	0	16.96611	220424957	4030325	86
08/25/2017 02:07:59	16.67345	16.68479	16.66249	727.39996	727.39996	727.39996	12.59391	12.69999	12.49999	14.33222	14.5	14.2	36.22561	36.32518	36.13123	1.7383	2	1.6	17.06095	0.03695	17.04972	220424957	4030325	86
08/25/2017 02:12:59	16.67345	16.68479	16.66249	727.39996	727.39996	727.39996	12.59391	12.69999	12.49999	14.33222	14.5	14.2	36.22561	36.32518	36.13123	1.7383	2	1.6	17.14416	0	17.13277	220424957	4030325	86
08/25/2017 02:17:59	16.67401	16.68479	16.65213	727.36071	727.39996	727.29998	12.58656	12.69999	12.49999	14.32014	14.5	14.3	36.24613	36.32518	36.15893	1.73358	1.9	1.6	17.22736	0.05822	17.21611	220424957	4030325	86
08/25/2017 02:22:59	16.67709	16.69594	16.65731	727.29998	727.29998	727.29998	12.49385	12.59999	12.39999	14.19536	14.4	13.9	36.28362	36.35289	36.21435	1.70151	2	1.4	17.31056	0.03689	17.29972	220424957	4030325	86
08/25/2017 02:27:59	16.67721	16.68997	16.66169	727.29998	727.29998	727.29998	12.50003	12.59999	12.39999	14.01677	14.2	13.9	36.29979	36.40831	36.21435	1.51673	1.8	1.3	17.39377	0.0213	17.38305	220424957	4030325	86
08/25/2017 02:32:59	16.67721	16.68997	16.66169	727.29998	727.29998	727.29998	12.50003	12.59999	12.39999	14.01677	14.2	13.9	36.29979	36.40831	36.21435	1.51673	1.8	1.3	17.47697	0.0213	17.46611	220424957	4030325	86
08/25/2017 02:37:59	16.67366	16.70033	16.66169	727.29998	727.29998	727.29998	12.44298	12.59999	12.29999	13.90733	14.2	13.8	36.36038	36.46373	36.29747	1.46434	1.8	1.3	17.56018	0	17.54944	220424957	4030325	86
08/25/2017 02:42:59	16.67415	16.69872	16.66169	727.31707	727.39996	727.29998	12.35296	12.39999	12.29999	13.89665	14	13.8	36.35643	36.43602	36.26976	1.54368	1.7	1.4	17.64338	0	17.63305	220424957	4030325	86
08/25/2017 02:47:59	16.67415	16.69872	16.66169	727.31707	727.39996	727.29998	12.35296	12.39999	12.29999	13.89665	14	13.8	36.35643	36.43602	36.26976	1.54368	1.7	1.4	17.72659	0.0213	17.71611	220424957	4030325	86
08/25/2017 02:52:59	16.67267	16.68239	16.66169	727.31408	727.39996	727.29998	12.31344	12.39999	12.09999	13.93693	14.2	13.8	36.34871	36.46373	36.26976	1.62012	1.7	1.2	17.8098	0.0582	17.79972	220424957	4030325	86
08/25/2017 02:57:59	16.67267	16.68239	16.66169	727.31408	727.39996	727.29998	12.31344	12.39999	12.09999	13.7557	13.9	13.6	36.35576	36.46373	36.26976	1.44225	2.1	1.4	17.893	0.08789	17.88277	220424957	4030325	86
08/25/2017 03:02:59	16.67472	16.70033	16.65495	727.31707	727.39996	727.29998	12.28332	12.39999	12.09999	13.86423	14.2	13.7	36.34438	36.40831	36.24206	1.58091	2.1	1.4	17.97621	0.0213	17.96611	220424957	4030325	86
08/25/2017 03:07:59	16.67655	16.70033	16.65572	727.29998	727.29998	727.29998	12.16045	12.29999	11.99999	14.03817	14.3	13.8	36.36607	36.49143	36.26976	1.87772	2.2	1.5	18.05942	0.04258	18.04972	220424957	4030325	86
08/25/2017 03:12:59	16.67686	16.68997	16.64696	727.29998	727.29998	727.29998	12.11342	12.29999	11.99999	14.03567	14.3	13.8	36.37391	36.46373	36.26976	1.92225	2.2	1.7	18.14262	0.07378	18.13305	220424957	4030325	86
08/25/2017 03:17:59	16.67686	16.68997	16.64696	727.29998	727.29998	727.29998	12.11342	12.29999	11.99999	14.03567	14.3	13.8	36.37391	36.46373	36.26976	1.92225	1.9	1.5	18.22582	0	18.21638	220424957	4030325	86
08/25/2017 03:22:59	16.67423	16.68676	16.6601	727.29998	727.29998	727.29998	12.11745	12.29999	11.99999	13.75313	13.8	13.6	36.4399	36.49143	36.32518	1.63568	1.8	1.4	18.30902	0.00576	18.29972	220424957	4030325	86
08/25/2017 03:27:59	16.67423	16.68676	16.6601	727.29998	727.29998	727.29998	12.11745	12.29999	11.99999	13.75313	13.8	13.6	36.4399	36.49143	36.32518	1.63568	1.8	1.4	18.39223	0	18.38277	220424957	4030325	86
08/25/2017 03:32:59	16.67412	16.69711	16.6601	727.28894	727.29998	727.19995	12.08326	12.29999	11.99999	13.65976	13.8	13.6	36.47014	36.60226	36.3806	1.5765	1.7	1.1	18.47543	0.04267	18.46638	220424957	4030325	86
08/25/2017 03:37:59	16.676	16.6875	16.65648	727.203	727.29998	727.19995	12.05103	12.29999	11.89999	13.52625	13.6	13.4	36.49495	36.57456	36.43602	1.47521	1.7	1.1	18.55864	0.01549	18.54944	220424957	4030325	86
08/25/2017 03:42:59	16.67583	16.6902	16.66355	727.19995	727.19995	727.19995	11.98386	12.09999	11.89999	13.25571	13.4	13.2	36.5239	36.71309	36.43602	1.37516	1.5	1.1	18.64184	0.03682	18.63305	220424957	4030325	86
08/25/2017 03:47:59	16.67583	16.6902	16.66355	727.19995	727.19995	727.19995	11.98386	12.09999	11.89999	13.25571	13.4	13.2	36.54289	36.65768	36.43602	1.27185	1.5	1.1	18.72504	0	18.71611	220424957	4030325	86
08/25/2017 03:52:59	16.6761	16.68657	16.66591	727.09997	727.09997	727.09997	11.91677	11.99999	11.89999	13.2	13.3	13.1	36.58765	36.7408	36.49143	1.28323	1.4	1.2	18.80824	0.03683	18.79972	220424957	4030325	86
08/25/2017 03:57:59	16.67688	16.69256	16.65721	727.09997	727.09997	727.09997	11.89666	11.99999	11.79999	13.36705	13.6	13.2	36.56759	36.71309	36.46373	1.47038	1.8	1.3	18.89145	0	18.88305	220424957	4030325	86
08/25/2017 04:02:59	16.67688	16.69256	16.65721	727.09997	727.09997	727.09997	11.89666	11.99999	11.79999	13.36705	13.6	13.2	36.56759	36.71309	36.46373	1.47038	1.8	1.3	18.97465	0.01547	18.96611	220424957	4030325	86
08/25/2017 04:07:59	16.67561	16.69856	16.65992	727.09997	727.09997	727.09997	11.86312	11.89999	11.69999	13.29267	13.4	13.1	36.59492	36.71309	36.43602	1.42955	1.6	1.2	19.05785	0.03681	19.04944	220424957	4030325	86
08/25/2017 04:12:59	16.67573	16.69256	16.65558	727.09997	727.09997	727.09997	11.82283	11.89999	11.79999	13.21005	13.3	13.2	36.61082	36.79621	36.49143	1.38721	1.5	1.3	19.14106	0.05818	19.13277	220424957	4030325	86
08/25/2017 04:17:59	16.67559	16.68822	16.65992	727.09997	727.09997	727.09997	11.7732	11.89999	11.69999	13.21336	13.4	13.1	36.64798	36.79621	36.46373	1.44016	1.7	1.3	19.22426	0.03686	19.21611	220424957	4030325	86
08/25/2017 04:22:59	16.67872	16.68986	16.65883	727.09997	727.09997	727.09997	11.71946	11.79999	11.69999	13.62478	13.7	13.4	36.64894	36.79621	36.54684	1.90532	2	1.6	19.30747	0.0951	19.29972	220424957	4030325	86
08/25/2017 04:27:59	16.67872	16.68986	16.65883	727.09997	727.09997	727.09997	11.71946	11.79999	11.69999	13.62478	13.7	13.4	36.64894	36.79621	36.54684	1.90532	2	1.6	19.39067	0.02134	19.38277	220424957	4030325	86
08/25/2017 04:32:59	16.67553	16.69256	16.65558	727.09997	727.09997	727.09997	11.68658	11.69999	11.49999	13.24364	13.4	13.2	36.75156	36.90705	36.60226	1.55706	1.8	1.5	19.47388	0	19.46638	220424957	4030325	86
08/25/2017 04:37:59	16.67553	16.69256	16.65558	727.09997	727.09997	727.09997	11.68658	11.69999	11.49999	13.24364	13.4	13.2	36.75156	36.90705	36.60226	1.55706	1.8	1.5	19.55708	0.03681	19.54944	220424957	4030325	86
08/25/2017 04:42:59	16.67544	16.69256	16.65558	727.09997	727.09997	727.09997	11.64775	11.69999	11.49999	13.21677	13.3	13.2	36.85005	36.99017	36.68539	1.56902	1.8	1.5	19.64028	0	19.63305	220424957	4030325	86
08/25/2017 04:47:59	16.67544	16.69256	16.65558	727.09997	727.09997	727.09997	11.64775	11.69999	11.49999	13.21677	13.3	13.2	36.85005	36.99017	36.68539	1.56902	1.8	1.5	19.72349	0.03681	19.71611	220424957	4030325	86
08/25/2017 04:52:59	16.67608	16.69256	16.65558	727.09997	727.09997	727.09997	11.64972	11.79999	11.49999	13.20672	13.3	13.2	36.79035	36.93476	36.62997	1.55699	1.8	1.4	19.80669	0	19.79944	220424957	4030325	86
08/25/2017 04:57:59	16.67596	16.6969	16.66591	727.09997	727.09997	727.09997	11.61269	11.69999	11.49999	13.20335	13.3	13.2	36.78182	36.93476	36.62997	1.59066	1.8	1.5	19.88989	0	19.88277	220424957	4030325	86
08/25/2017 05:02:59	16.67624	16.68893	16.66591	727.09094	727.09997	727	11.61269	11.69999	11.49999	13.20335	13.3	13.2	36.84439	36.99017	36.68539	1.59065	1.8	1.5	19.97309	0.02135	19.96611	220424957	4030325	86
08/25/2017 05:07:59	16.67545	16.69058	16.65794	727	727	727	11.54031	11.69999	11.49999	13.36042	13.6	13.2	36.93253	37.04559	36.76851	1.82011	2.1	1.6	20.0563	0.03685	20.04972	220424957	4030325	86
08/25/2017 05:12:59	16.67545	16.69058	16.65794	727	727	727	11.54031	11.69999	11.49999	13.36042	13.6	13.2	36.93253	37.04559	36.76851	1.82011	2.1	1.6	20.1395	0	20.13277	220424957	4030325	86
08/25/2017 05:17:59	16.67631	16.69385	16.65084	727.03918	727.09997	727	11.52688	11.69999	11.49999	13.6315	13.8	13.4	36.89807	37.01789	36.7408	2.10462	2.1	1.7	20.22271	0.00582	20.21611	220424957	4030325	86

08/25/2017 05:22:59	16.67857	16.69222	16.66755	727.09893	727.09997	727	11.52349	11.69999	11.39999	13.53289	13.6	13.4	36.85659	36.96247	36.71309	2.0094	2.1	1.7	20.30591	0	20.29944	220424957	4030325	86
08/25/2017 05:27:59	16.67788	16.68986	16.65721	727.09997	727.09997	727.09997	11.5134	11.69999	11.49999	13.46712	13.6	13.4	36.84795	36.99017	36.65768	1.95371	2.1	1.6	20.38911	0.03685	20.38277	220424957	4030325	86
08/25/2017 05:32:59	16.6767	16.69856	16.66156	727.09594	727.09997	727	11.53357	11.69999	11.49999	13.37987	13.6	13.2	36.88243	36.96247	36.7408	1.8463	2.1	1.6	20.47231	0.03687	20.46611	220424957	4030325	86
08/25/2017 05:37:59	16.67983	16.68986	16.65721	727.09997	727.09997	727.09997	11.53359	11.69999	11.49999	13.55429	13.6	13.4	36.85675	36.99017	36.71309	2.02069	2.2	1.9	20.55552	0.04268	20.54944	220424957	4030325	86
08/25/2017 05:42:59	16.67898	16.68986	16.64688	727.09997	727.09997	727.09997	11.49999	11.69999	11.39999	13.55986	13.6	13.4	36.85932	36.99017	36.71309	2.05987	2.2	1.9	20.63872	0	20.63277	220424957	4030325	86
08/25/2017 05:47:59	16.67792	16.68986	16.66755	727.09997	727.09997	727.09997	11.49999	11.69999	11.39999	13.41345	13.6	13.4	36.85964	36.99017	36.71309	1.91345	1.9	1.5	20.72192	0	20.71638	220424957	4030325	86
08/25/2017 05:52:59	16.67546	16.6969	16.66156	727.09997	727.09997	727.09997	11.51679	11.69999	11.39999	13.26587	13.4	13.2	36.95362	37.04559	36.82392	1.74908	1.9	1.5	20.80513	0	20.79944	220424957	4030325	86
08/25/2017 05:57:59	16.67457	16.69453	16.66355	727.104	727.19995	727.09997	11.47321	11.49999	11.29999	13.21406	13.3	13.1	36.94175	37.04559	36.79621	1.74085	1.9	1.6	20.88833	0.02841	20.88305	220424957	4030325	86
08/25/2017 06:02:59	16.67492	16.69453	16.66355	727.18249	727.19995	727.09997	11.45968	11.49999	11.39999	13.16647	13.2	13	36.92485	37.04559	36.79621	1.70678	1.8	1.5	20.97153	0	20.96638	220424957	4030325	86
08/25/2017 06:07:59	16.67492	16.69453	16.66355	727.18249	727.19995	727.09997	11.45968	11.49999	11.39999	13.16647	13.2	13	36.92485	37.04559	36.79621	1.70678	1.8	1.5	21.05474	0.01295	21.04944	220424957	4030325	86
08/25/2017 06:12:59	16.67706	16.6902	16.66355	727.19897	727.19995	727.09997	11.38925	11.49999	11.29999	13.28375	13.4	13.1	36.96569	37.101	36.82392	1.89449	2.1	1.6	21.13794	0	21.13305	220424957	4030325	86
08/25/2017 06:17:59	16.67706	16.6902	16.66355	727.19897	727.19995	727.09997	11.38925	11.49999	11.29999	13.28375	13.4	13.1	36.96569	37.101	36.82392	1.89449	2.1	1.6	21.22114	0	21.21611	220424957	4030325	86
08/25/2017 06:22:59	16.67596	16.69711	16.6601	727.26843	727.29998	727.19995	11.36042	11.49999	11.29999	13.82413	14	13.7	36.92229	37.04559	36.79621	2.4637	2.7	2.3	21.30435	0	21.29972	220424957	4030325	86
08/25/2017 06:27:59	16.67596	16.69711	16.6601	727.26843	727.29998	727.19995	11.36042	11.49999	11.29999	13.82413	14	13.7	36.92229	37.04559	36.79621	2.4637	2.7	2.3	21.38755	0	21.38277	220424957	4030325	86
08/25/2017 06:32:59	16.67982	16.68997	16.66485	727.29998	727.29998	727.29998	11.39724	11.49999	11.29999	14.20001	14.3	14	36.87634	36.99017	36.71309	2.80277	3	2.6	21.47075	0	21.46638	220424957	4030325	86
08/25/2017 06:37:59	16.67982	16.68997	16.66485	727.29998	727.29998	727.29998	11.39724	11.49999	11.29999	14.20001	14.3	14	36.87634	36.99017	36.71309	2.80277	3	2.6	21.55395	0.0129	21.54944	220424957	4030325	86
08/25/2017 06:42:59	16.67746	16.68997	16.66766	727.30102	727.39996	727.29998	11.45967	11.49999	11.29999	14.07253	14.2	13.9	36.88165	37.01789	36.7408	2.61286	2.8	2.4	21.63716	0.02852	21.63277	220424957	4030325	86
08/25/2017 06:47:59	16.67656	16.69797	16.66531	727.38653	727.39996	727.29998	11.53139	11.69999	11.29999	14.06918	14.2	13.9	36.8614	36.99017	36.71309	2.53779	2.9	2.2	21.72037	0	21.71638	220424957	4030325	86
08/25/2017 06:52:59	16.67656	16.69797	16.66531	727.38653	727.39996	727.29998	11.53139	11.69999	11.29999	14.06918	14.2	13.9	36.8614	36.99017	36.71309	2.53779	2.9	2.2	21.80357	0	21.79944	220424957	4030325	86
08/25/2017 06:57:59	16.67724	16.69797	16.65934	727.39996	727.39996	727.39996	11.59594	11.69999	11.39999	14.15098	14.2	13.9	36.84838	36.99017	36.71309	2.55503	2.7	2.3	21.88677	0.01559	21.88277	220424957	4030325	86
08/25/2017 07:02:59	16.67615	16.69358	16.65495	727.39996	727.39996	727.39996	11.69666	11.79999	11.49999	14.10287	14.3	13.9	36.81519	36.90705	36.68539	2.40621	2.7	2.2	21.96997	0.07378	21.96611	220424957	4030325	86
08/25/2017 07:07:59	16.67434	16.69038	16.65337	727.39996	727.39996	727.39996	11.72352	11.79999	11.69999	13.85233	14	13.8	36.8401	36.93476	36.68539	2.12881	2.3	2	22.05318	0.03124	22.04944	220424957	4030325	86
08/25/2017 07:12:59	16.67444	16.69561	16.64977	727.5	727.5	727.5	11.81675	11.89999	11.69999	14.27504	14.5	14	36.83401	36.90705	36.7408	2.45828	2.7	2.2	22.13638	0.04254	22.13305	220424957	4030325	86
08/25/2017 07:17:59	16.67444	16.69561	16.64977	727.5	727.5	727.5	11.81675	11.89999	11.69999	14.27504	14.5	14	36.83401	36.90705	36.7408	2.45828	3	2.6	22.21958	0.03698	22.21638	220424957	4030325	86
08/25/2017 07:22:59	16.67748	16.68995	16.65728	727.5	727.5	727.5	11.88992	11.99999	11.79999	14.66085	14.9	14.5	36.73851	36.87934	36.54684	2.77093	3	2.6	22.30279	0.0158	22.29944	220424957	4030325	86
08/25/2017 07:27:59	16.676	16.69591	16.65202	727.52417	727.69995	727.5	12.06425	12.29999	11.89999	14.94022	15.1	14.8	36.59535	36.79621	36.46373	2.87597	2.8	2.5	22.38599	0.02123	22.38305	220424957	4030325	86
08/25/2017 07:32:59	16.67441	16.69951	16.65438	727.59362	727.59997	727.5	12.32344	12.39999	12.09999	14.99396	15.2	14.8	36.59763	36.7408	36.46373	2.67051	2.8	2.5	22.4692	0.02126	22.46611	220424957	4030325	86
08/25/2017 07:37:59	16.67514	16.68759	16.6541	727.66034	727.69995	727.59997	12.77097	12.99999	12.59999	14.70728	14.9	14.5	36.60978	36.79621	36.46373	1.93631	2.2	1.6	22.5524	0.03699	22.54972	220424957	4030325	86
08/25/2017 07:42:59	16.67235	16.68523	16.66005	727.69995	727.69995	727.69995	13.06701	13.29999	12.89999	14.82032	15.1	14.6	36.58789	36.68539	36.49143	1.7533	2.1	1.4	22.6356	0.0055	22.63305	220424957	4030325	86
08/25/2017 07:47:59	16.67235	16.68523	16.66005	727.69995	727.69995	727.69995	13.06701	13.29999	12.89999	14.82032	15.1	14.6	36.58789	36.68539	36.49143	1.7533	2.1	1.4	22.71881	0.04248	22.71611	220424957	4030325	86
08/25/2017 07:52:59	16.67728	16.69036	16.65769	727.79998	727.79998	727.79998	13.54154	13.69999	13.29999	14.91189	15.1	14.6	36.66305	36.82392	36.49143	1.37035	1.8	1.2	22.80201	0.07946	22.79972	220424957	4030325	86
08/25/2017 07:57:59	16.67728	16.69036	16.65769	727.79998	727.79998	727.79998	13.54154	13.69999	13.29999	14.91189	15.1	14.6	36.66305	36.82392	36.49143	1.37035	1.8	1.2	22.88521	0	22.88277	220424957	4030325	86
08/25/2017 08:02:59	16.67737	16.69632	16.65476	727.79998	727.79998	727.79998	14.06296	14.29999	13.89999	15.16368	15.5	15	36.62235	36.82392	36.40831	1.10072	1.4	1	22.96842	0.09525	22.96638	220424957	4030325	86
08/25/2017 08:07:59	16.67737	16.69632	16.65476	727.79998	727.79998	727.79998	14.06296	14.29999	13.89999	15.16368	15.5	15	36.62235	36.82392	36.40831	1.10072	1.4	1	23.05162	0.02119	23.04944	220424957	4030325	86
08/25/2017 08:12:59	16.67698	16.69041	16.65772	727.79998	727.79998	727.79998	14.59791	14.79999	14.39999	15.62673	15.8	15.5	36.58871	36.76851	36.51914	1.02882	1.2	0.8	23.13482	0.03712	23.13305	220424957	4030325	86
08/25/2017 08:17:59	16.67698	16.69041	16.65772	727.79998	727.79998	727.79998	14.59791	14.79999	14.39999	15.62673	15.8	15.5	36.58871	36.76851	36.51914	1.02882	1.2	0.8	23.21803	0.07947	23.21611	220424957	4030325	86
08/25/2017 08:22:59	16.67343	16.69188	16.64876	727.79998	727.79998	727.79998	14.83417	14.89999	14.69999	15.89063	16	15.7	36.54456	36.62997	36.40831	1.05646	1.2	0.9	23.30123	0.03716	23.29944	220424957	4030325	86
08/25/2017 08:27:59	16.67558	16.69188	16.65827	727.86035	727.89996	727.79998	15.05432	15.3	14.89999	15.99313	16.2	15.8	36.51784	36.62997	36.43602	0.93881	1.2	0.8	23.38443	0.00504	23.38277	220424957	4030325	86
08/25/2017 08:32:59	16.67321	16.69382	16.65519	727.89996	727.89996	727.89996	15.38384	15.59999	15.3	16.31716	16.6	16.2	36.46699	36.60226	36.3806	0.93331	1.2	0.8	23.46763	0.03727	23.46611	220424957	4030325	86
08/25/2017 08:37:59	16.67571	16.698	16.65481	727.89996	727.89996	727.89996	15.69181	15.89999	15.39999	16.95364	17.3	16.4	36.42879	36.51914	36.29747	1.26182	1.6	1	23.55084	0	23.54944	220424957	4030325	86
08/25/2017 08:42:59	16.67415	16.69564	16.657	728	728	728	16.29713	16.59999	16.19999	17.33425	17.6	16.9	36.369	36.46373	36.29747	1.03711	1.3	0.7	23.63404	0.02104	23.63305	220424957	4030325	86
08/25/2017 08:47:59	16.67409	16.70292	16.64924	728	728	728	16.65358	16.8	16.49999	17.48791	17.6	17.3	36.40146	36.46373	36.21435	0.83433	1	0.6	23.71726	0.0373	23.71638	220424957	4030325	86
08/25/2017 08:52:59	16.67409	16.70292	16.64924	728	728	728	16.65358	16.8	16.49999	17.48791	17.6	17.3	36.40146	36.46373	36.21435	0.83433	1	0.6	23.80047	0.1121	23.79944	220424957	4030325	86
08/25/2017 08:57:59	16.67555	16.70559	16.65776	728.03918	728.09997	728	17.31725	17.49999	17.19999	17.87366	18.1	17.8	36.27774	36.43602	36.15893	0.5564	0.7	0.4	23.88368	0.05841	23.88305	220424957	4030325	86
08/25/2017 09:02:59	16.67728	16.70714	16.65798	728.09997	728.09997	728.09997	17.66496	17.89999	17.39999	18.27765	18.5	18	36.25119	36.35289	36.13123	0.61269	0.9	0.3	23.9669	0	23.96638	220424957	4030325	86
08/25/2017 09:07:59	16.67728	16.70714	16.65798	728.09997	728.09997	728.09997	17.66496	17.89999	17.39999	18.27765	18.5	18	36.25119	36.35289	36.13123	0.61269	0.9	0.3	24.00103	0	23.99972	220424957	4030325	86

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Data Log Data	
Channel No.	1	
Source	D 12000	
Sampling Method	Event Bit	
Device	M 972	
	VRL1-PM2.5	

Date and Time	Qvol Avg	Qvol max	Qvol min	Pa Avg	Pa Max	Pa Min	Tfilter Avg	Tfilter Max	Tfilter Min	Tamb Avg	Tamb Max	Tamb Min	Press Avg	Press Max	Press Min	Tvar Avg	Tvar Max	Tvar Min	Flow Total	Flow CV	Sample Time	Filter ID	Site ID	Unit S/N
08/21/2017 19:02:11	0	0	0	740.23858	740.29998	740.20001	21.99663	22	21.9	21.32579	21.4	21.1	5.718	5.81868	5.59701	0.67084	0.9	0.59999	24.04623	0	24	2205	3	105
08/21/2017 19:07:11	0	0	0	734.77203	740.20001	733.20001	38.23536	39.69999	37.4	29.81816	33.59999	29.5	65.65344	159.62579	0	8.4172	9.69999	6.09999	24.04623	0	24	2205	3	105
08/21/2017 19:12:11	0	0	0	733.18658	733.29998	733.10003	40.46455	41.69999	38	29.59233	29.8	29.4	90.00161	170.62588	9.42072	10.87222	12.19999	8.19999	24.04623	0	24	2205	3	105
08/21/2017 19:17:11	0	0	0	733.10107	733.20001	733.10003	40.17525	40.9	39.5	29.37584	29.5	29.3	147.06732	163.08929	10.058	10.7994	11.4	10.19999	24.04623	0	24	2205	3	105
08/21/2017 19:22:11	4.54291	18.30811	0	730.15557	733.10003	730	25.17844	25.3	24.9	24.78757	25	24.6	12.34944	22.30494	8.89426	0.39086	0.69999	0	24.04716	0	24	2205	3	105
08/21/2017 19:27:11	4.54291	18.30811	0	730.15557	733.10003	730	25.17844	25.3	24.9	24.78757	25	24.6	12.34944	22.30494	8.89426	0.39086	0.69999	0	24.04716	0	24	2205	3	105
08/21/2017 18:31:30	0	0	0	730.19995	730.19995	730.19995	25.01312	25.1	24.9	24.62976	24.7	24.6	9.52195	9.67009	9.3653	0.38336	0.49999	0.29999	24.04716	0	24	220424903	4010125	105
08/21/2017 18:36:30	0	0	0	730.19995	730.19995	730.19995	25.01312	25.1	24.9	24.62976	24.7	24.6	9.52195	9.67009	9.3653	0.38336	0.49999	0.29999	0.02372	0.04007	0.02472	220424903	4010125	105
08/21/2017 18:41:30	4.25721	16.68984	0	730.19995	730.19995	730.19995	24.76181	24.9	24.7	24.48709	24.7	24.2	13.99086	27.62487	9.28218	0.27472	0.5	0.1	0.1071	0.04895	0.10805	220424903	4010125	105
08/21/2017 18:46:30	16.67621	16.69672	16.65939	730.24658	730.29998	730.09997	24.84563	25	24.7	23.93623	24	23.8	27.36303	27.7357	27.0153	0.90939	1.1	0.7	0.19048	0.02174	0.19166	220424903	4010125	105
08/21/2017 18:51:30	16.67621	16.69672	16.65939	730.24658	730.29998	730.09997	24.84563	25	24.7	23.93623	24	23.8	27.36303	27.7357	27.0153	0.90939	1.1	0.7	0.27386	0	0.27472	220424903	4010125	105
08/21/2017 18:56:30	16.67733	16.69062	16.65444	730.31439	730.39996	730.29998	24.70201	24.9	24.6	23.93021	24	23.9	27.36513	27.59717	27.18155	0.7718	0.99999	0.69999	0.35724	0.04005	0.35833	220424903	4010125	105
08/21/2017 19:01:30	16.67733	16.69062	16.65444	730.31439	730.39996	730.29998	24.70201	24.9	24.6	23.93021	24	23.9	27.36513	27.59717	27.18155	0.7718	0.99999	0.69999	0.44063	0	0.44138	220424903	4010125	105
08/21/2017 19:06:30	16.67697	16.70201	16.6474	730.46777	730.5	730.39996	24.66308	24.7	24.6	23.74825	24	23.6	27.50204	27.81883	27.15384	0.91483	1.19999	0.8	0.52401	0.00352	0.525	220424903	4010125	105
08/21/2017 19:11:30	16.67681	16.69128	16.65005	730.49163	730.59997	730.39996	24.63692	24.7	24.6	23.61205	23.8	23.4	27.52167	27.79112	27.29238	1.02487	1.19999	0.8	0.60739	0.06175	0.60805	220424903	4010125	105
08/21/2017 19:16:30	16.67424	16.69376	16.65401	730.29998	730.29998	730.29998	24.47387	24.6	24.4	23.40338	23.5	23.3	27.73537	27.98507	27.45863	1.07048	1.2	0.9	0.69076	0.08001	0.69166	220424903	4010125	105
08/21/2017 19:21:30	16.67424	16.69376	16.65401	730.29998	730.29998	730.29998	24.47387	24.6	24.4	23.40338	23.5	23.3	27.73537	27.98507	27.45863	1.07048	1.2	0.9	0.77413	0.00884	0.77472	220424903	4010125	105
08/21/2017 19:26:30	16.67471	16.69275	16.65665	730.28454	730.39996	730.19995	24.41274	24.5	24.3	23.07578	23.3	23	27.75962	28.0682	27.45863	1.33696	1.5	1.1	0.85751	0	0.85805	220424903	4010125	105
08/21/2017 19:31:30	16.67446	16.69183	16.64953	730.46844	730.5	730.39996	24.22963	24.3	24	22.83898	23	22.7	27.36571	27.65258	27.09842	1.39065	1.6	1.19999	0.94088	0.03622	0.94166	220424903	4010125	105
08/21/2017 19:36:30	16.67446	16.69183	16.64953	730.46844	730.5	730.39996	24.22963	24.3	24	22.83898	23	22.7	27.36571	27.65258	27.09842	1.39065	1.6	1.19999	1.02425	0.01807	1.02472	220424903	4010125	105
08/21/2017 19:41:30	16.67368	16.68819	16.64851	730.39996	730.39996	730.39996	24.05709	24.3	24	22.74228	22.9	22.7	27.28493	27.68029	27.043	1.3148	1.6	1.1	1.10762	0.0487	1.10805	220424903	4010125	105
08/21/2017 19:46:30	16.67472	16.69101	16.66005	730.26141	730.29998	730.19995	23.83558	24	23.8	22.33292	22.4	22.2	28.03878	28.51153	27.68029	1.50265	1.6	1.4	1.19099	0.02184	1.19166	220424903	4010125	105
08/21/2017 19:51:30	16.67472	16.69101	16.66005	730.26141	730.29998	730.19995	23.83558	24	23.8	22.33292	22.4	22.2	28.03878	28.51153	27.68029	1.50265	1.6	1.4	1.27437	0.03982	1.27472	220424903	4010125	105
08/21/2017 19:56:30	16.67374	16.68992	16.64888	730.24255	730.29998	730.19995	23.74634	23.8	23.5	22.17587	22.3	22	28.5366	28.81632	28.17903	1.57046	1.7	1.4	1.35773	0	1.35805	220424903	4010125	105
08/21/2017 20:01:30	16.67268	16.69247	16.65037	730.36975	730.39996	730.29998	23.45502	23.7	23.3	21.93621	22.1	21.7	28.42149	28.78861	28.09591	1.51881	1.7	1.4	1.4411	0.03974	1.44138	220424903	4010125	105
08/21/2017 20:06:30	16.67343	16.68774	16.65931	730.39996	730.39996	730.39996	23.33625	23.4	23.3	21.66913	21.8	21.6	28.16679	28.53924	27.81883	1.66712	1.8	1.5	1.52446	0	1.52472	220424903	4010125	105
08/21/2017 20:11:30	16.67475	16.68908	16.64836	730.29998	730.29998	730.29998	23.09595	23.2	22.9	21.4726	21.6	21.2	27.83132	28.23445	27.45863	1.62334	1.9	1.49999	1.60784	0.08358	1.60833	220424903	4010125	105
08/21/2017 20:16:30	16.67475	16.68908	16.64836	730.29998	730.29998	730.29998	23.09595	23.2	22.9	21.4726	21.6	21.2	27.83132	28.23445	27.45863	1.62334	1.9	1.49999	1.69121	0	1.69138	220424903	4010125	105
08/21/2017 20:21:30	16.67337	16.69407	16.6472	730.30902	730.39996	730.29998	22.87325	23.1	22.7	21.15841	21.4	21	27.60146	27.90195	27.23696	1.71483	1.9	1.49999	1.77457	0	1.77472	220424903	4010125	105
08/21/2017 20:26:30	16.6751	16.69174	16.64732	730.39892	730.39996	730.29998	22.52225	22.7	22.3	20.54164	20.8	20.4	27.81096	28.45611	27.12613	1.98061	2.1	1.8	1.85795	0	1.85833	220424903	4010125	105
08/21/2017 20:31:30	16.6751	16.69174	16.64732	730.39892	730.39996	730.29998	22.52225	22.7	22.3	20.54164	20.8	20.4	27.81096	28.45611	27.12613	1.98061	2.1	1.8	1.94132	0.02199	1.94138	220424903	4010125	105
08/21/2017 20:36:30	16.67471	16.70159	16.66336	730.39996	730.39996	730.39996	22.22285	22.3	22.1	20.37648	20.5	20.3	28.28896	28.56695	28.01278	1.84637	2	1.69999	2.0247	0.03952	2.02472	220424903	4010125	105
08/21/2017 20:41:30	16.6757	16.69541	16.6584	730.46569	730.5	730.39996	21.99946	22.1	21.7	20.15585	20.3	20	27.98685	28.37299	27.56946	1.84361	2	1.69999	2.10808	0.06154	2.10805	220424903	4010125	105
08/21/2017 20:46:30	16.67472	16.69293	16.64732	730.52111	730.59997	730.5	21.72149	22	21.6	20.03553	20.2	19.9	27.63322	28.01278	27.32009	1.68595	1.9	1.5	2.19145	0.02203	2.19138	220424903	4010125	105
08/21/2017 20:51:30	16.67248	16.68789	16.65956	730.59692	730.59997	730.5	21.29261	21.4	21.1	19.73955	19.9	19.7	27.13346	27.48633	26.87676	1.55306	1.69999	1.4	2.2748	0.03948	2.275	220424903	4010125	105
08/21/2017 20:56:30	16.67248	16.68789	16.65956	730.59692	730.59997	730.5	21.29261	21.4	21.1	19.73955	19.9	19.7	27.13346	27.48633	26.87676	1.55306	1.69999	1.4	2.35819	0.03947	2.35805	220424903	4010125	105
08/21/2017 21:01:30	16.67587	16.68906	16.65586	730.50604	730.59997	730.5	21.00947	21.1	20.8	19.63288	19.7	19.6	27.06643	27.43092	26.73822	1.37658	1.4	1.1	2.44159	0.03944	2.44138	220424903	4010125	105
08/21/2017 21:06:30	16.67718	16.70013	16.65456	730.50097	730.59997	730.5	20.79267	20.9	20.7	19.5765	19.7	19.4	27.65327	28.20674	27.07071	1.21616	1.4	1.1	2.52496	0.0394	2.52472	220424903	4010125	105
08/21/2017 21:11:30	16.67568	16.69633	16.65448	730.60199	730.69995	730.5	20.34235	20.5	20.2	19.35636	19.4	19.3	27.85189	28.12362	27.45863	0.98599	1.2	0.8	2.60834	0.0394	2.60833	220424903	4010125	105
08/21/2017 21:16:30	16.67568	16.69633	16.65448	730.60199	730.69995	730.5	20.34235	20.5	20.2	19.35636	19.4	19.3	27.85189	28.12362	27.45863	0.98599	1.2	0.8	2.69171	0.06147	2.69138	220424903	4010125	105
08/21/2017 21:21:30	16.67536	16.69385	16.65448	730.68988	730.69995	730.59997	20.17318	20.3	20.1	19.28326	19.4	19.2	27.62144	27.87425	27.29238	0.88992	1	0.8	2.77508	0.03937	2.77472	220424903	4010125	105
08/21/2017 21:26:30	16.67449	16.69735	16.65317	730.69488	730.69995	730.59997	20.03633	20.1	19.8	19.10606	19.3	19	27.48605	27.7357	27.12613	0.93026	1	0.7	2.85845	0.05661	2.85805	220424903	4010125	105
08/21/2017 21:31:30	16.67328	16.69363	16.65295	730.64331	730.69995	730.59997	19.77322	20.1	19.7	18.95582	19.1	18.7	27.30335	27.62487	27.0153	0.8174	1	0.7	2.94182	0.03933	2.94138	220424903	4010125	105
08/21/2017 21:36:30	16.6743	16.69363	16.65295	730.64154	730.69995	730.59997	19.67985	19.7	19.6	18.69331	19	18.6	27.16782	27.48633	26.76592	0.98654	1.1	0.7	3.0252	0.03929	3.02472	220424903	4010125	105
08/21/2017 21:41:30	16.67491	16.69087	16.66014	730.67175	730.69995	730.59997	19.54968	19.7	19.5	18.54567	18.7	18.4	26.90642	27.23696	26.51655	1.00401	1.1	0.9	3.10856	0.00883	3.10805	220424903	4010125	105
08/21/2017 21:46:30	16.67468	16.68699	16.65007	730.70629	730.79998	730.59997	19.37395	19.5	19.2	18.39613	18.5	18.2	26.72056	26.98759	26.40572	0.97782	1.3	0.8	3.19192	0.03925	3.19138	220424903	4010125	105
08/21/2017 21:51:30	16.67284	16.69553	16.64386	730.78991	730.79998	730.69995	19.14234	19.3	19	18.21539	18.4	18.1	27.07293	27.40321	26.71051	0.92694	1	0.69999	3.27528	0	3.27472	220424903	4010125	105
08/21/2017 21:56:30	16.67351	16.69411	16.65487	730.802	730.89996	730.79998	18.94913	19.1	18.7	18.08935	18.2	18	27.6125	28.09591	27.20925	0.85978	1	0.6	3.35865	0	3.35805	220424903	4010125	105
08/21/2017 22:01:30	16.67454	16.69744	16.65823	730.80096	730.89996	730.79998	18.69535	18.9	18.6	17.88594	18	17.6	27.73892	28.04049	27.51404	0.8094	1	0.69999	3.44202	0.03921	3.44138	220424903	4010125	105
08/21/2017 22:06:30	16.67659	16.70221	16.6458	730.81103	730.89996	730.79998	18.42952	18.5	18.3	17.67246	17.8	17.6	27.35087	27.65258	27.0153	0.75705	0.9	0.59999	3.52542	0	3.525	220424903	4010125	105
08/21/2017 22:11:30	16.67812	16.68975	16.65431	730.81433	730.89996	730.79998	18.23298	18.4	18.1	17.59664	17.6	17.5	27.11955	27.59717	26.82134	0.63633	0.8	0.5	3.60882	0.07833	3.60833	220424903	4010125	105
08/21/2017 22:16:30	16.67473	16.68975	16.65907	730.89691	731	730.79998	18.0832	18.3	18	17.56314	17.6	17.5	26.9138	27.29238	26.62738	0.52006	0.8	0.4	3.69219	0.01695	3.69166	220424903	4010125	105
08/21/2017 22:21:30	16.6753	16.68975	16.6566	730.9469	731.09997	730.79998	18.00001	18.1	17.9	17.52954	17.6	17.5	26.78612	27.12613	26.54426	0.47046	0.6	0.4	3.77557	0	3.775	220424903	4010125	105
08/21/2017 22:26:30	16.6753	16.68975	16.6566	730.9469	731.09997	730.79998	18.00001	18.1	17.9	17.52954	17.6	17.5	26.78612	27.12613	26.54426	0.47046	0.6	0.4	3.85894	0.00882	3.85805	220424903	4010125	105
08/21/2017 22:31:30	16.67463	16.6933	16.66034	731.14251	731.29998	731	17.83895	18	17.8	17.51005	17.6	17.4	26.64442	26.95988	26.3226	0.3289	0.4	0.1	3.94232	0.02221	3.94166	220424903	4010125	105
08/21/2017 22:36:30	16.67515	16.69557	16.66263	731.15338	731.19995	731.09997	17.75641	17.8	17.7	17.53688	17.6	17.4	26.52565	26.76592	26.23947	0.21953	0.4	0.1	4.02571	0	4.02472	220424903	4010125	105
08/21/2017 22:41:30	16.67615	16.69229	16.65438	731.268	731.39996	731.09997	17.88457	18.1	17.7	17.77511	18	17.5	26.36757	26.6828	25.96239	0.11616	0.4	0	4.10909	0.04804	4.10833	220424903	4010125	105
08/21/2017 22:46:30	16.67538	16.69272	16.65971	731.36541	731.39996	731.29998	17.87253	18	17.8	18.07038	18.2	17.9	26.28034	26.54426	26.07322	0.20457	0.4	0	4.19244	0	4.19139	220424903	4010125	105
08/21/2017 22:51:30	16.67347	16.69272	16.65971	731.30206	731.39996	731.19995	17.78589	17.9	17.7	18.24017	18.4	18.2	26.27895	26.57197	25.9901	0.45428	0.69999	0.3	4.27581	0.06138	4.27472	220424903	4010125	105
08/21/2017 22:56:30	16.6758	16.69309	16.66858	731.45013	731.5	731.29998	17.77388	17.8	17.7	18.63692	18.7	18.6	26.29983	26.57197	25.9901	0.86304	0.99999	0.8	4.35917	0.03095	4.35833	220424903	4010125	105
08/21/2017 23:01:30	16.6758	16.69309	16.66858	731.45013	731.5	731.29998	17.77388	17.8	17.7	18.63692	18.7	18.6	26.29983	26.57197	25.9901	0.86304	0.99999	0.8	4.44252	0.03933	4.44139	220424903	4010125	105
08/21/2017 23:06:30	16.67327	16.68842	16.66016	731.19592	731.29998	731.09997	17.84701	17.9	17.7	18.68654	18.8	18.6	26.4663	26.73822	26.18406	0.83953	0.99999	0.7	4.52588	0.01719	4.525	220424903	4010125	105
08/21/2017 23:11:30	16.67327	16.68842	16.66016	731.19592	731.29998	731.09997	17.84701	17.9	17.7	18.68654	18.8	18.6	26.4663	26.73822	26.18406	0.83953	0.99999	0.7	4.60924	0	4.60805	220424903	4010125	105
08/21/2017 23:16:30	16.6743	16.69682	16.65756	731.3377	731.5	731.19995	18	18	18	18.65642	18.7	18.6	26.61583	26.93217	26.37801	0.65642	0.69999	0.59999	4.69261	0.07854	4.69166	220424903	4010125	105
08/21/2017 23:21:30	16.6743	16.69682	16.65756	731.3377	731.5	731.19995	18	18	18	18.65642	18.7	18.6	26.61583	26.93217	26.37801	0.65642	0.69999	0.59999	4.77597	0.0393	4.77472	220424903	4010125	105
08/21/2017 23:26:30	16.67572	16.69309	16.65756	731.42517	731.5	731.29998	18.03352	18.1	18	18.66383	18.7	18.6	26.61837	26.84905	26.35031	0.63031	0.6	0.4	4.85933	0.02212	4.85833	220424903	4010125	105
08/21/2017 23:31:30	16.67419	16.68828	16.65756	731.40399	731.5	731.29998	18.10337	18.3	18	18.64968	18.7	18.6	26.69468	27.043	26.43343	0.54631	0.6	0.4	4.94269	0.03042	4.94139	220424903	4010125	105
08/21/2017 23:36:30	16.67571	16.69167	16.65477	731.4544	731.5	731.39996	18.23752	18.4	18.1	18.40605	18.5	18.2	26.73191	26.98759	26.46114	0.17523	0.4	0	5.02605	0.03925	5.025	220424903	4010125	105
08/21/2017 23:41:30	16.67571	16.69167	16.65477	731.4544	731.5	731.39996	18.23752	18.4	18.1	18.40605	18.5	18.2	26.73191	26.98759	26.46114	0.17523	0.4	0	5.10942	0	5.10805	220424903	4010125	105
08/21/2017 23:46:30	16.67481	16.69877	16.65334	731.49798	731.5	731.39996	18.3336	18.4	18.3	18.1498	18.4	18	26.67933	26.95988	26.35031	0.19051	0.4	0.1	5.19279	0.02216	5.19166	220424903	4010125	105
08/21/2017 23:51:30	16.67481	16.69877	16.65334	731.49798	731.5	731.39996	18.3336	18.4	18.3	18.1498	18.4	18	26.67933	26.95988	26.35031	0.19051	0.3	0.1	5.27615	0.03405	5.27472	220424903	4010125	105
08/21/2017 23:56:30	16.67295	16.68632	16.66434	731.48767	731.5	731.39996	18.30139	18.4	18.1	18.10998	18.2	18	26.56857	26.87676	26.23947	0.19141	0.3	0	5.35951	0.03099	5.35833	220424903	4010125	105
08/22/2017 00:01:30	16.67295	16.68632	16.66434	731.48767	731.5	731.39996	18.30139	18.4	18.1	18.10998	18.2	18	26.56857	26.87676	26.23947	0.19141	0.3	0	5.44286	0.00883	5.44139	220424903	4010125	105
08/22/2017 00:06:30	16.67488	16.6952	16.64871	731.31585	731.39996	731.19995	18.29328	18.4	18.1	18.19729	18.4	18.1	26.57116	26.87676	26.29489	0.11613	0.2	0	5.52622	0.00882	5.52472	220424903	4010125	105
08/22/2017 00:11:30	16.67421	16.69375	16.65118	731.26873	731.39996	731.19995	18.28341	18.4	18.1	18.04913	18.2	17.9	26.57326	26.93217	26.29489	0.23427	0.4	0.1	5.60959	0.03918	5.60805	220424903	4010125	105
08/22/2017 00:16:30	16.67362	16.69128	16.6496	731.37878	731.39996	731.29998	18.18734	18.3	18.1	17.8731	18	17.6	26.53181	26.87676	26.18406	0.31423	0.5	0.1	5.69295	0.00884	5.69139	220424903	4010125	105
08/22/2017 00:21:30	16.67422	16.69357	16.65438	731.45465	731.5	731.39996	18.13224	18.3	18.1	17.83022	17.9	17.8	26.4466	26.6828	26.15635	0.30201	0.5	0.19999	5.77633	0.03917	5.77472	220424903	4010125	105
08/22/2017 00:26:30	16.67463	16.68339	16.65521	731.49798	731.5	731.39996	18.09005	18.3	18	17.52966	17.6	17.4	26.36042	26.71051	26.07322	0.56038	0.7	0.4	5.85968	0.02222	5.85833	220424903	4010125	105

08/22/2017 00:31:30	16.67463	16.68339	16.65521	731.49798	731.5	731.39996	18.09005	18.3	18	17.52966	17.6	17.4	26.36042	26.71051	26.07322	0.56038	0.8	0.5	5.94303	0.02222	5.94139	220424903	4010125	105
08/22/2017 00:36:30	16.67331	16.68663	16.65996	731.48388	731.5	731.39996	18.03951	18.1	18	17.36305	17.5	17.3	26.40068	26.71051	26.04552	0.67646	0.8	0.5	6.02639	0	6.02472	220424903	4010125	105
08/22/2017 00:41:30	16.67676	16.69136	16.64601	731.5	731.5	731.5	17.95649	18	17.8	17.24929	17.4	17	26.7161	27.18155	26.43343	0.77018	1.1	0.69999	6.10977	0	6.10833	220424903	4010125	105
08/22/2017 00:46:30	16.67676	16.69136	16.64601	731.5	731.5	731.5	17.95649	18	17.8	17.04367	17.2	16.9	27.06736	27.45863	26.71051	0.91282	1.1	0.69999	6.19313	0.04786	6.19139	220424903	4010125	105
08/22/2017 00:51:30	16.67292	16.69546	16.66015	731.49072	731.5	731.39996	17.86258	18	17.7	16.80223	17	16.7	27.466	27.90195	27.07071	1.06034	1.19999	0.9	6.27649	0.02227	6.27472	220424903	4010125	105
08/22/2017 00:56:30	16.67397	16.69767	16.66485	731.48388	731.5	731.39996	17.77929	17.9	17.7	16.63628	16.7	16.6	27.58531	27.90195	27.20925	1.14301	1.2	1.1	6.35987	0.04458	6.35805	220424903	4010125	105
08/22/2017 01:01:30	16.67572	16.69231	16.66329	731.42413	731.5	731.39996	17.5323	17.7	17.4	16.37987	16.4	16.3	27.29144	27.56946	27.0153	1.15242	1.3	0.99999	6.44324	0.01348	6.44166	220424903	4010125	105
08/22/2017 01:06:30	16.67572	16.69231	16.66329	731.42413	731.5	731.39996	17.5323	17.7	17.4	16.37987	16.4	16.3	27.29144	27.56946	27.0153	1.15242	1.3	0.99999	6.52659	0.02229	6.52472	220424903	4010125	105
08/22/2017 01:11:30	16.67542	16.6897	16.65443	731.09167	731.19995	731	17.32966	17.4	17.2	16.14028	16.3	16.1	27.01216	27.26467	26.71051	1.18937	1.3	1	6.60996	0	6.60833	220424903	4010125	105
08/22/2017 01:16:30	16.67542	16.6897	16.65443	731.09167	731.19995	731	17.32966	17.4	17.2	16.14028	16.3	16.1	27.01216	27.26467	26.71051	1.18937	1.3	1	6.69332	0	6.69139	220424903	4010125	105
08/22/2017 01:21:30	16.67431	16.69435	16.65911	731.01031	731.09997	730.89996	17.18994	17.3	17.1	16.03292	16.1	16	26.89546	27.20925	26.57197	1.15702	1.2	0.8	6.77668	0	6.77472	220424903	4010125	105
08/22/2017 01:26:30	16.67239	16.68591	16.65911	731.00988	731.09997	730.89996	17.07589	17.2	16.8	16.00672	16.1	16	26.6835	26.98759	26.37801	1.06917	1.2	0.8	6.86006	0	6.85805	220424903	4010125	105
08/22/2017 01:31:30	16.67545	16.68839	16.65313	730.86047	730.89996	730.79998	16.93101	17.1	16.8	16.01275	16.1	16	26.52221	26.79363	26.26718	0.91825	0.9	0.7	6.94344	0.03898	6.94139	220424903	4010125	105
08/22/2017 01:36:30	16.6769	16.69465	16.6556	730.79998	730.79998	730.79998	16.81345	16.9	16.8	16.01343	16.1	16	26.44598	26.71051	26.21176	0.80001	0.9	0.7	7.02682	0	7.02472	220424903	4010125	105
08/22/2017 01:41:30	16.67545	16.69714	16.6556	730.73626	730.79998	730.69995	16.66318	16.8	16.6	16.06709	16.1	16	26.73858	27.07071	26.37801	0.59609	0.7	0.5	7.1102	0.07791	7.10833	220424903	4010125	105
08/22/2017 01:46:30	16.67545	16.69714	16.6556	730.73626	730.79998	730.69995	16.66318	16.8	16.6	16.06709	16.1	16	26.73858	27.07071	26.37801	0.59609	0.7	0.5	7.19356	0.04781	7.19139	220424903	4010125	105
08/22/2017 01:51:30	16.67562	16.7018	16.66434	730.7163	730.79998	730.69995	16.60013	16.7	16.5	16.06653	16.1	16	26.97148	27.23696	26.65509	0.5336	0.7	0.4	7.27694	0.03897	7.27472	220424903	4010125	105
08/22/2017 01:56:30	16.67649	16.69932	16.65808	730.75036	730.79998	730.69995	16.52286	16.6	16.3	16.04702	16.1	16	27.12996	27.45863	26.87676	0.47583	0.5	0.2	7.36031	0.05564	7.35805	220424903	4010125	105
08/22/2017 02:01:30	16.67728	16.6862	16.65808	730.69995	730.69995	730.69995	16.42638	16.5	16.3	16.05698	16.1	16	27.33692	27.62487	27.043	0.3694	0.5	0.2	7.44369	0.03897	7.44139	220424903	4010125	105
08/22/2017 02:06:30	16.67679	16.69714	16.64715	730.69995	730.69995	730.69995	16.42301	16.6	16.3	16.05632	16.2	16	27.4426	27.79112	27.12613	0.36669	0.6	0.2	7.52707	0	7.52472	220424903	4010125	105
08/22/2017 02:11:30	16.67681	16.7018	16.65649	730.69995	730.69995	730.69995	16.29893	16.5	16.1	15.93146	16	15.7	27.6812	27.98507	27.48633	0.36746	0.8	0.1	7.61045	0.01091	7.60833	220424903	4010125	105
08/22/2017 02:16:30	16.67681	16.7018	16.65649	730.69995	730.69995	730.69995	16.29893	16.5	16.1	15.93146	16	15.7	27.6812	27.98507	27.48633	0.36746	0.8	0.1	7.6938	0	7.69139	220424903	4010125	105
08/22/2017 02:21:30	16.67457	16.6939	16.6658	730.69995	730.69995	730.69995	16.2671	16.5	16.1	15.72944	15.8	15.6	27.81923	28.0682	27.54175	0.53766	0.8	0.3	7.77717	0.04468	7.77472	220424903	4010125	105
08/22/2017 02:26:30	16.67652	16.7018	16.65023	730.69995	730.69995	730.69995	16.2093	16.5	16	15.87055	16	15.7	27.81558	28.04049	27.59717	0.33875	0.5	0	7.86054	0.03897	7.85805	220424903	4010125	105
08/22/2017 02:31:30	16.67805	16.69714	16.65808	730.69995	730.69995	730.69995	16.20593	16.5	16	15.9711	16.1	15.8	27.79407	28.0682	27.51404	0.24154	0.5	0	7.94392	0.04467	7.94139	220424903	4010125	105
08/22/2017 02:36:30	16.67766	16.69087	16.64556	730.70092	730.79998	730.69995	16.157	16.3	16	15.99598	16.1	15.8	27.75	28.0682	27.48633	0.16772	0.3	0	8.0273	0.02232	8.025	220424903	4010125	105
08/22/2017 02:41:30	16.67624	16.69087	16.65808	730.75463	730.79998	730.69995	16.06655	16.1	16	16.04357	16.1	16	27.6845	27.92966	27.40321	0.06301	0.1	0	8.11068	0.02551	8.10833	220424903	4010125	105
08/22/2017 02:46:30	16.67624	16.69087	16.65808	730.75463	730.79998	730.69995	16.06655	16.1	16	16.04357	16.1	16	27.6845	27.92966	27.40321	0.06301	0.1	0	8.19406	0.03897	8.19139	220424903	4010125	105
08/22/2017 02:51:30	16.67442	16.69625	16.65718	730.79596	730.79998	730.69995	16.10349	16.2	16	16.18311	16.3	16.1	27.74659	28.01278	27.43092	0.09308	0.2	0	8.27747	0.05245	8.275	220424903	4010125	105
08/22/2017 02:56:30	16.67442	16.69625	16.65718	730.79596	730.79998	730.69995	16.10349	16.2	16	16.18311	16.3	16.1	27.74659	28.01278	27.43092	0.09308	0.2	0	8.36089	0.01666	8.35805	220424903	4010125	105
08/22/2017 03:01:30	16.67537	16.69625	16.6534	730.71508	730.79998	730.69995	16.11343	16.2	16	16.15562	16.3	16	27.7786	28.09591	27.43092	0.05562	0.2	0	8.44433	0.02232	8.44139	220424903	4010125	105
08/22/2017 03:06:30	16.67531	16.69247	16.6556	730.75842	730.79998	730.69995	16.12082	16.3	16	16.08657	16.3	16	27.76441	27.98507	27.51404	0.08664	0.3	0	8.52776	0.03897	8.52472	220424903	4010125	105
08/22/2017 03:11:30	16.67436	16.69625	16.65093	730.83361	731	730.69995	16.1504	16.3	16.1	16.1935	16.4	16	27.66729	28.09591	27.29238	0.10331	0.2	0	8.61118	0.02232	8.60833	220424903	4010125	105
08/22/2017 03:16:31	16.67694	16.70222	16.66316	730.99395	731	730.89996	16.18054	16.3	16.1	16.16582	16.3	16.1	27.59263	27.98507	27.34779	0.0993	0.2	0	8.69461	0	8.69166	220424903	4010125	105
08/22/2017 03:21:30	16.67694	16.70222	16.66316	730.99395	731	730.89996	16.18054	16.3	16.1	16.16582	16.3	16.1	27.59263	27.98507	27.34779	0.0993	0.2	0	8.7781	0.00882	8.77472	220424903	4010125	105
08/22/2017 03:26:30	16.67733	16.68503	16.66316	731.01507	731.09997	731	16.17896	16.5	16	16.09947	16.2	16	27.56477	27.81883	27.32009	0.08618	0.2	0	8.86156	0.06449	8.85805	220424903	4010125	105
08/22/2017 03:31:30	16.67515	16.68881	16.65821	731.08905	731.19995	731	16.17724	16.3	16.1	16.12407	16.3	16	27.55836	27.79112	27.29238	0.07979	0.2	0	8.94503	0	8.94139	220424903	4010125	105
08/22/2017 03:36:30	16.67425	16.69188	16.65663	731.17767	731.29998	731.09997	16.20075	16.3	16.1	16.09678	16.3	16	27.59538	27.87425	27.26467	0.11737	0.3	0	9.02851	0.01666	9.02472	220424903	4010125	105
08/22/2017 03:41:30	16.67459	16.6897	16.65911	731.0393	731.09997	731	16.22604	16.3	16.1	16.06639	16.2	16	27.59849	27.87425	27.34779	0.17307	0.3	0	9.112	0	9.10805	220424903	4010125	105
08/22/2017 03:46:30	16.67448	16.6897	16.66158	731.01733	731.09997	730.89996	16.24077	16.3	16.1	16.03964	16.1	16	27.63097	27.92966	27.32009	0.20113	0.3	0	9.19548	0	9.19139	220424903	4010125	105
08/22/2017 03:51:31	16.67494	16.68722	16.66755	731.14636	731.19995	731.09997	16.19976	16.3	16	16.0933	16.2	16	27.62811	27.98507	27.29238	0.11316	0.3	0	9.27897	0.00883	9.275	220424903	4010125	105
08/22/2017 03:56:30	16.67494	16.68722	16.66755	731.14636	731.19995	731.09997	16.19976	16.3	16	16.0933	16.2	16	27.62811	27.98507	27.29238	0.11316	0.3	0	9.3624	0.05567	9.35805	220424903	4010125	105
08/22/2017 04:01:31	16.675	16.69377	16.65223	730.97766	731.09997	730.89996	16.20592	16.3	16	16.28643	16.4	16.1	27.646	27.87425	27.40321	0.10736	0.3	0	9.44577	0.0223	9.44166	220424903	4010125	105
08/22/2017 04:06:30	16.675	16.69377	16.65223	730.97766	731.09997	730.89996	16.20592	16.3	16	16.28643	16.4	16.1	27.646	27.87425	27.40321	0.10736	0.3	0	9.52922	0	9.52472	220424903	4010125	105
08/22/2017 04:11:30	16.67667	16.69065	16.66095	730.90094	731	730.89996	16.19598	16.5	16.1	16.38384	16.6	16.3	27.59782	27.98507	27.34779	0.19459	0.5	0	9.61261	0.05576	9.60805	220424903	4010125	105
08/22/2017 04:16:30	16.67543	16.69156	16.65626	730.82031	730.89996	730.79998	16.29329	16.5	16.1	16.41009	16.6	16.3	27.44045	27.7357	27.23696	0.1168	0.3	0	9.69599	0.08359	9.69166	220424903	4010125	105
08/22/2017 04:21:30	16.67543	16.69156	16.65626	730.82031	730.89996	730.79998	16.29329	16.5	16.1	16.41009	16.6	16.3	27.44045	27.7357	27.23696	0.1168	0.3	0	9.77941	0.04784	9.77472	220424903	4010125	105
08/22/2017 04:26:30	16.67592	16.69912	16.65379	730.98468	731	730.89996	16.31342	16.5	16.1	16.41679	16.7	16.3	27.25422	27.59717	26.98759	0.1235	0.6	0	9.86284	0.07015	9.85805	220424903	4010125	105
08/22/2017 04:31:31	16.67435	16.69156	16.65626	730.84851	730.89996	730.79998	16.34701	16.5	16.3	16.34365	16.4	16.3	27.21843	27.48633	26.95988	0.07722	0.2	0	9.94628	0.00787	9.94166	220424903	4010125	105
08/22/2017 04:36:30	16.67435	16.69156	16.65626	730.84851	730.89996	730.79998	16.34701	16.5	16.3	16.34365	16.4	16.3	27.21843	27.48633	26.95988	0.07722	0.2	0	10.02973	0.01665	10.02472	220424903	4010125	105
08/22/2017 04:41:31	16.67426	16.69217	16.66246	730.89996	731	730.79998	16.40756	16.5	16.3	15.99326	16.1	15.8	27.38208	27.65258	26.98759	0.41429	0.7	0.2	10.11318	0.00883	10.10833	220424903	4010125	105
08/22/2017 04:46:31	16.67426	16.69217	16.66246	730.89996	731	730.79998	16.40756	16.5	16.3	15.99326	16.1	15.8	27.38208	27.65258	26.98759	0.41429	0.9	0.3	10.1966	0.06127	10.19166	220424903	4010125	105
08/22/2017 04:51:31	16.67277	16.69358	16.66085	730.89996	730.89996	730.89996	16.39378	16.5	16.3	15.57311	15.6	15.5	27.83661	28.20674	27.48633	0.82066	1	0.7	10.28003	0.02237	10.275	220424903	4010125	105
08/22/2017 04:56:31	16.67378	16.69358	16.65458	730.93542	731.09997	730.89996	16.36048	16.5	16.3	15.54352	15.7	15.4	27.80279	28.04049	27.45863	0.81697	1	0.7	10.36343	0.06126	10.35833	220424903	4010125	105
08/22/2017 05:01:30	16.67378	16.69358	16.65458	730.93542	731.09997	730.89996	16.36048	16.5	16.3	15.54352	15.7	15.4	27.80279	28.04049	27.45863	0.81697	1	0.7	10.44683	0	10.44139	220424903	4010125	105
08/22/2017 05:06:30	16.67479	16.6911	16.6559	731.06146	731.09997	731	16.28659	16.5	16.1	15.56383	15.6	15.5	27.65738	27.95737	27.23696	0.72276	1	0.5	10.53024	0	10.52472	220424903	4010125	105
08/22/2017 05:11:30	16.67445	16.69706	16.66054	731.09314	731.19995	731	16.20599	16.3	16.1	15.56973	15.6	15.5	27.60952	27.90195	27.3755	0.63625	0.8	0.5	10.61366	0.00882	10.60805	220424903	4010125	105
08/22/2017 05:16:31	16.67618	16.69706	16.6518	731.23339	731.39996	731.19995	16.11345	16.2	16.1	15.54285	15.6	15.4	27.50255	27.7357	27.20925	0.5706	0.7	0.5	10.6971	0	10.69139	220424903	4010125	105
08/22/2017 05:21:30	16.67393	16.69457	16.65559	731.30767	731.39996	731.09997	16.09662	16.3	16	15.5664	15.6	15.5	27.44756	27.76341	27.23696	0.53022	0.7	0.4	10.78054	0	10.77472	220424903	4010125	105
08/22/2017 05:26:31	16.67527	16.69078	16.66054	731.15759	731.29998	731.09997	16.03294	16.1	16	15.50339	15.6	15.4	27.47826	27.7357	27.12613	0.52955	0.69999	0.4	10.864	0	10.85805	220424903	4010125	105
08/22/2017 05:31:31	16.67623	16.69078	16.66054	731.1604	731.29998	731.09997	16.00336	16.1	16	15.56976	15.6	15.5	27.43645	27.84654	27.20925	0.43359	0.6	0.4	10.94743	0.03885	10.94139	220424903	4010125	105
08/22/2017 05:36:31	16.67599	16.69954	16.65807	731.13842	731.19995	731.09997	15.97643	16	15.7	15.55378	15.6	15.5	27.42369	27.65258	27.20925	0.42264	0.5	0.1	11.03087	0.07773	11.025	220424903	4010125	105
08/22/2017 05:41:30	16.67599	16.69954	16.65807	731.13842	731.19995	731.09997	15.97643	16	15.7	15.55378	15.6	15.5	27.42369	27.65258	27.20925	0.42264	0.5	0.1	11.11433	0	11.10805	220424903	4010125	105
08/22/2017 05:46:31	16.67594	16.69078	16.66433	731.19793	731.19995	731.09997	15.9699	16	15.7	15.57651	15.6	15.5	27.44109	27.7357	27.18155	0.39339	0.5	0.1	11.19781	0.01652	11.19139	220424903	4010125	105
08/22/2017 05:51:31	16.6737	16.6921	16.66154	731.43121	731.5	731.39996	15.90454	16	15.7	15.53346	15.6	15.4	27.38162	27.68029	27.043	0.37107	0.6	0.1	11.28125	0.00769	11.275	220424903	4010125	105
08/22/2017 05:56:31	16.6737	16.6921	16.66154	731.43121	731.5	731.39996	15.90454	16	15.7	15.53346	15.6	15.4	27.38162	27.68029	27.043	0.37107	0.6	0.1	11.36467	0.03118	11.35805	220424903	4010125	105
08/22/2017 06:01:31	16.67463	16.69457	16.66186	731.31512	731.39996	731.29998	15.84651	16	15.7	15.55699	15.6	15.5	27.36067	27.65258	27.09842	0.28952	0.5	0.1	11.4481	0	11.44166	220424903	4010125	105
08/22/2017 06:06:31	16.67463	16.69457	16.66186	731.31512	731.39996	731.29998	15.84651	16	15.7	15.55699	15.6	15.5	27.36067	27.65258	27.09842	0.28952	0.5	0.1	11.53154	0.02235	11.52472	220424903	4010125	105
08/22/2017 06:11:30	16.6745	16.68367	16.65095	731.3435	731.39996	731.29998	15.81088	16	15.7	15.54707	15.6	15.5	27.31655	27.59717	27.0153	0.2638	0.5	0.1	11.61501	0.01652	11.60805	220424903	4010125	105
08/22/2017 06:16:31	16.67311	16.69424	16.65065	731.48993	731.5	731.39996	15.75008	16	15.7	15.49931	15.6	15.4	27.25325	27.48633	27.043	0.25076	0.5	0.1	11.69845	0.03888	11.69166	220424903	4010125	105
08/22/2017 06:21:31	16.67311	16.69424	16.65065	731.48993	731.5	731.39996	15.75008	16	15.7	15.49931	15.6	15.4	27.25325	27.48633	27.043	0.25076	0.5	0.1	11.78187	0.03885	11.775	220424903	4010125	105
08/22/2017 06:26:31	16.67374	16.68962	16.65065	731.50299	731.59997	731.5	15.74844	16	15.7	15.50002	15.6	15.4	27.25242	27.7357	26.93217	0.24841	0.5	0.1	11.86533	0.02237	11.85805	220424903	4010125	105
08/22/2017 06:31:31	16.67311	16.68334	16.65065	731.51513	731.59997	731.5	15.70673	15.9	15.7	15.49345	15.5	15.4	27.2107	27.45863	26.93217	0.21327	0.4	0.2	11.94882	0.00882	11.94139	220424903	4010125	105
08/22/2017 06:36:31	16.67313	16.6939	16.65957	731.69995	731.69995	731.69995	15.7	15.7	15.7	15.40673	15.5	15.2	27.11641	27.43092	26.73822	0.29327	0.5	0.2	12.03229	0.03883	12.025	220424903	4010125	105
08/22/2017 06:41:31	16.67313	16.6939	16.65957	731.69995	731.69995	731.69995	15.7	15.7	15.7	15.40673	15.5	15.2	27.11641	27.43092	26.73822	0.29327	0.5	0.2	12.11576	0.01355	12.10805	220424903	4010125	105
08/22/2017 06:46:31	16.67288	16.68301	16.65034	731.68566	731.69995	731.59997	15.73024	16	15.7	15.40654	15.5	15.4	27.12579	27.48633	26.73822	0.3237	0.49999	0.1	12.19923	0.01649	12.19139	220424903	4010125	105
08/22/2017 06:51:31	16.67648	16.68929	16.6566	731.69494	731.69995	731.59997	15.72016	15.9	15.7	15.48705	15.6	15.4	27.14862	27.40321	26.90446	0.2331	0.4	0	12.28269	0.02235	12.27472	220424903	4010125	105
08/22/2017 06:56:31	16.67493	16.69721	16.65197	731.69995	731.69995	731.69995	15.83079	16	15.7	15.68368	15.8	15.6	27.37395	27.65258	27.07071	0.1471	0.4	0	12.36609	0	12.35833	220424903	4010125	105
08/22/2017 07:01:31	16.67493	16.69721	16.65197	731.69995	731.69995	731.69995	15.83079	16	15.7	15.68368	15.8	15.6	27.37395	27.65258	27.07071	0.1471	0.4	0	12.44952	0	12.44139	220424903	4010125	105
08/22/2017 07:06:31	16.67402	16.69721	16.65272	731.79095	731.79998	731.69995	15.97981	16.1	15.7	15.92801	16.1	15.7	27.47557	27.79112	27.20925	0.07868	0.3	0	12.53293	0	12.52472	220424903	4010125	105
08/22/2017 07:11:31	16.6757	16.69332	16.66055	731.80816	731.89996	731.79998	16.06372	16.1	16	16.1468	16.3	16	27.8173	28.09591	27.59717	0.08982	0.2	0	12.61631	0.0223	12.60833	220424903	4010125	105
08/22/2017 07:16:31	16.67779	16.69085	16.6565	731.89996	731.89996	731.89996	16.17363	16.3	16.1	16.29714	16.4	16.1	27.5125	27.98507	27.0153	0.13025	0.2	0	12.69977	0	12.69166	220424903	4010125	105
08/22/2017 07:21:31	16.67779	16.69085	16.6565	731.89996	731.89996	731.89996	16.17363	16.3	16.1	16.29714	16.4	16.1	27.5125	27.98507	27.0153	0.13025	0.2	0	12.78321	0	12.77472	220424903	4010125	105
08/22/2017 07:26:31	16.67633	16.69711	16.66433	731.89996	731.89996	731.89996	16.34	16.5	16.1	16.37375	16.4	16.3	27.0452	27.51404	26.48884	0.08723	0.2	0	12.86664	0.03898	12.85805	220424903	4010125	105
08/22/2017 07:31:31	16.67501	16.6987	16.6534	731.93542	732	731.89996	16.63076	16.7	16.5	16.42694	16.6	16.4	26.56866	26.82134	26.3226	0.21054	0.3	0	12.95008	0.03894	12.94166	220424903	4010125	105
08/22/2017 07:36:31	16.67438	16.69154	16.65093	732.00604	732.09997	732	16.74689	16.9	16.6	16.59462	16.7	16.4	26.70657	26.98759	26.35031	0.15227	0.3	0	13.03349	0	13.025	220424903	4010125	105
08/22/2017 07:41:31	16.67438	16.69154	16.65093	732.00604	732.09997	732	16.74689	16.9	16.6	16.59462	16.7	16.4	26.70657	26.98759	26.35031	0.15227	0.3	0	13.11691	0.02227	13.10805	220424903	4010125	105

08/22/2017 07:46:31	16.67412	16.70248	16.65093	732	732	732	17.11003	17.2	16.8	16.5735	16.7	16.4	26.98669	27.34779	26.73822	0.53653	0.8	0.2	13.20031	0.03898	13.19166	220424903	4010125	105
08/22/2017 07:51:31	16.67376	16.70248	16.65093	732	732	732	17.21332	17.3	17.1	16.53453	16.7	16.4	27.04866	27.29238	26.82134	0.67878	0.9	0.5	13.2837	0.03339	13.275	220424903	4010125	105
08/22/2017 07:56:31	16.67376	16.70248	16.65093	732	732	732	17.21332	17.3	17.1	16.53453	16.7	16.4	27.04866	27.29238	26.82134	0.67878	0.9	0.5	13.36711	0.0337	13.35805	220424903	4010125	105
08/22/2017 08:01:31	16.67546	16.69634	16.66004	732.01324	732.09997	732	17.38318	17.5	17.3	17.84587	18.4	17.3	27.26347	27.68029	26.6828	0.4748	1	0	13.45055	0.02727	13.44166	220424903	4010125	105
08/22/2017 08:06:31	16.67546	16.69634	16.66004	732.01324	732.09997	732	17.38318	17.5	17.3	17.84587	18.4	17.3	27.26347	27.68029	26.6828	0.4748	1	0	13.53395	0.0392	13.52472	220424903	4010125	105
08/22/2017 08:11:31	16.67459	16.70256	16.65094	732.09997	732.09997	732.09997	17.56086	17.8	17.4	18.43032	18.6	18.2	27.08079	27.81883	26.21176	0.86946	1.1	0.49999	13.6174	0.02209	13.60805	220424903	4010125	105
08/22/2017 08:16:31	16.67623	16.69298	16.65994	732.09997	732.09997	732.09997	17.79864	18	17.5	18.77519	19.1	18.4	26.6535	27.12613	26.10093	0.97655	1.3	0.7	13.70083	0.04411	13.69166	220424903	4010125	105
08/22/2017 08:21:31	16.67579	16.70221	16.65166	732.18884	732.19995	732.09997	18.13374	18.4	17.9	19.32771	19.6	19	27.22473	27.7357	26.76592	1.19396	1.5	0.99999	13.78425	0	13.77472	220424903	4010125	105
08/22/2017 08:26:31	16.6759	16.69629	16.66064	732.12835	732.19995	732.09997	18.79084	19.1	18.6	19.86768	20.2	19.7	26.74308	27.09842	26.26718	1.07683	1.3	0.8	13.86769	0	13.85833	220424903	4010125	105
08/22/2017 08:31:31	16.6759	16.69629	16.66064	732.12835	732.19995	732.09997	18.79084	19.1	18.6	19.86768	20.2	19.7	26.74308	27.09842	26.26718	1.07683	1.3	0.8	13.9511	0.06144	13.94139	220424903	4010125	105
08/22/2017 08:36:31	16.67489	16.70129	16.64958	732.19995	732.19995	732.19995	19.28747	19.6	19.1	20.16905	20.3	19.9	27.33138	27.79112	26.87676	0.88157	0.4	0	14.03455	0.10088	14.025	220424903	4010125	105
08/22/2017 08:41:31	16.67467	16.69381	16.64958	732.19995	732.19995	732.19995	19.78731	20.1	19.6	19.8857	20	19.7	27.34212	28.0682	26.3226	0.13834	0.4	0	14.11798	0.02199	14.10805	220424903	4010125	105
08/22/2017 08:46:31	16.67463	16.7037	16.65816	732.2586	732.29998	732.19995	20.31431	20.7	20.1	20.16797	20.4	19.9	26.5996	26.93217	26.23947	0.14634	0.5	0	14.20142	0.02196	14.19139	220424903	4010125	105
08/22/2017 08:51:31	16.67511	16.69399	16.64226	732.22418	732.29998	732.19995	20.82848	21	20.5	20.67798	20.9	20.4	27.04172	27.51404	26.6828	0.16395	0.49999	0	14.28484	0.03959	14.275	220424903	4010125	105
08/22/2017 08:56:31	16.67671	16.70016	16.65697	732.19995	732.19995	732.19995	21.28139	21.5	21	21.03991	21.4	20.9	27.48551	27.90195	26.95988	0.24148	0.49999	0	14.36826	0.00436	14.35805	220424903	4010125	105
08/22/2017 09:01:31	16.67783	16.69522	16.66687	732.19995	732.19995	732.19995	22.20413	22.5	22	21.1139	21.2	21	26.86935	27.29238	26.54426	1.09022	1.3	0.9	14.45171	0	14.44166	220424903	4010125	105
08/22/2017 09:06:31	16.67783	16.69522	16.66687	732.19995	732.19995	732.19995	22.20413	22.5	22	21.1139	21.2	21	26.86935	27.29238	26.54426	1.09022	1.3	0.9	14.53511	0.00417	14.52472	220424903	4010125	105
08/22/2017 09:11:31	16.67512	16.70259	16.66182	732.23443	732.29998	732.19995	22.61372	22.8	22.5	21.42694	21.6	21.2	27.10945	27.3755	26.84905	1.18678	1.4	1.1	14.61854	0.03965	14.60805	220424903	4010125	105
08/22/2017 09:16:31	16.67497	16.69386	16.65935	732.39489	732.39996	732.29998	23.28368	23.4	23.1	21.57762	21.7	21.4	27.82035	28.12362	27.43092	1.70606	1.9	1.6	14.70197	0.03965	14.69166	220424903	4010125	105
08/22/2017 09:21:31	16.67559	16.69004	16.65418	732.40503	732.5	732.39996	23.58767	23.8	23.4	22.12089	22.3	22	27.98871	28.45611	27.62487	1.46678	1.7	1.2	14.78543	0	14.775	220424903	4010125	105
08/22/2017 09:26:31	16.67559	16.69004	16.65418	732.40503	732.5	732.39996	23.58767	23.8	23.4	22.12089	22.3	22	27.98871	28.45611	27.62487	1.46678	1.6	1.1	14.86891	0.01797	14.85833	220424903	4010125	105
08/22/2017 09:31:31	16.67529	16.68871	16.65887	732.42315	732.5	732.39996	23.9173	24	23.8	22.56469	22.8	22.2	27.14378	27.79112	26.59968	1.35261	1.6	1.1	14.95234	0.03978	14.94139	220424903	4010125	105
08/22/2017 09:36:31	16.67483	16.69204	16.65028	732.5	732.5	732.5	24.53409	24.7	24.4	22.53184	23	22.1	27.46031	27.79112	27.12613	2.00225	2.4	1.6	15.03577	0.00382	15.025	220424903	4010125	105
08/22/2017 09:41:31	16.67483	16.69204	16.65028	732.5	732.5	732.5	24.53409	24.7	24.4	22.53184	23	22.1	27.46031	27.79112	27.12613	2.00225	2.4	1.6	15.11919	0.02176	15.10805	220424903	4010125	105
08/22/2017 09:46:31	16.67482	16.7003	16.65962	732.5	732.5	732.5	24.89083	25.1	24.7	23.17558	23.6	23	27.74115	28.0682	27.40321	1.71524	2	1.4	15.20262	0	15.19139	220424903	4010125	105
08/22/2017 09:51:31	16.67529	16.69523	16.65004	732.58178	732.59997	732.5	25.54132	25.7	25.3	23.58054	23.9	23.2	27.35688	27.92966	26.65509	1.96077	2.3	1.69999	15.28607	0	15.275	220424903	4010125	105
08/22/2017 09:56:31	16.67529	16.69523	16.65004	732.58178	732.59997	732.5	25.54132	25.7	25.3	23.58054	23.9	23.2	27.35688	27.92966	26.65509	1.96077	2.3	1.69999	15.36953	0.05811	15.35805	220424903	4010125	105
08/22/2017 10:01:31	16.6765	16.69779	16.66221	732.59796	732.59997	732.5	25.85707	26.1	25.7	23.96364	24.4	23.8	27.07924	27.43092	26.65509	1.89342	2.19999	1.49999	15.45298	0	15.44139	220424903	4010125	105
08/22/2017 10:06:31	16.67533	16.69779	16.66221	732.59997	732.59997	732.59997	26.22396	26.4	26.1	24.23109	24.4	24	27.38987	27.76341	27.0153	1.99286	2.19999	1.8	15.53645	0	15.52472	220424903	4010125	105
08/22/2017 10:11:31	16.67577	16.69814	16.65045	732.69995	732.69995	732.69995	26.83721	27	26.7	24.55671	25	24.4	28.00684	28.34528	27.68029	2.2805	2.6	2	15.6199	0.05518	15.60833	220424903	4010125	105
08/22/2017 10:16:31	16.67577	16.69814	16.65045	732.69995	732.69995	732.69995	26.83721	27	26.7	24.55671	25	24.4	28.00684	28.34528	27.68029	2.2805	2.6	2	15.70333	0.04002	15.69139	220424903	4010125	105
08/22/2017 10:21:31	16.67579	16.69814	16.65745	732.72027	732.79998	732.69995	27.44084	27.6	27.3	24.91706	25.2	24.7	27.25587	27.92966	26.84905	2.52377	2.7	2.29999	15.78677	0	15.775	220424903	4010125	105
08/22/2017 10:26:31	16.67579	16.69814	16.65745	732.72027	732.79998	732.69995	27.44084	27.6	27.3	24.91706	25.2	24.7	27.25587	27.92966	26.84905	2.52377	2.9	2.29999	15.87023	0.04322	15.85805	220424903	4010125	105
08/22/2017 10:31:31	16.67597	16.6957	16.65938	732.79998	732.79998	732.79998	28.07424	28.2	27.9	25.85768	26.3	25.6	27.57314	27.95737	27.15384	2.21656	2.49999	1.9	15.95366	0.02156	15.94166	220424903	4010125	105
08/22/2017 10:36:31	16.67597	16.6957	16.65938	732.79998	732.79998	732.79998	28.07424	28.2	27.9	25.85768	26.3	25.6	27.57314	27.95737	27.15384	2.21656	2.6	1.7	16.03711	0.00285	16.02472	220424903	4010125	105
08/22/2017 10:41:31	16.67575	16.69046	16.65659	732.79998	732.79998	732.79998	28.36137	28.6	28.1	26.33682	26.5	26	27.98551	28.4007	27.56946	2.02455	2.6	1.7	16.12056	0.06179	16.10805	220424903	4010125	105
08/22/2017 10:46:31	16.67639	16.69374	16.65737	732.77374	732.79998	732.69995	28.71719	28.9	28.6	26.55017	26.8	26.4	28.19341	28.73319	27.65258	2.16702	2.4	1.99999	16.20401	0.02154	16.19139	220424903	4010125	105
08/22/2017 10:51:31	16.67749	16.69404	16.65737	732.82116	732.89996	732.79998	29.41058	29.7	29.3	26.53678	26.8	26.3	27.46483	27.7357	27.043	2.87379	3.1	2.69999	16.28745	0	16.275	220424903	4010125	105
08/22/2017 10:56:31	16.67749	16.69404	16.65737	732.82116	732.89996	732.79998	29.41058	29.7	29.3	26.53678	26.8	26.3	27.46483	27.7357	27.043	2.87379	3.1	2.69999	16.37091	0.03415	16.35805	220424903	4010125	105
08/22/2017 11:01:31	16.67503	16.69257	16.65324	732.88586	732.89996	732.79998	30.07327	30.3	29.9	27.58695	28	27.2	28.05471	28.4007	27.65258	2.48632	2.8	2.1	16.45415	0.04043	16.44166	220424903	4010125	105
08/22/2017 11:06:31	16.67503	16.69257	16.65324	732.88586	732.89996	732.79998	30.07327	30.3	29.9	27.58695	28	27.2	28.05471	28.4007	27.65258	2.48632	2.8	2.1	16.53735	0.04927	16.52472	220424903	4010125	105
08/22/2017 11:11:31	16.67574	16.69645	16.65324	732.86871	732.89996	732.79998	30.44079	30.6	30.3	27.79743	28.1	27.5	28.44665	28.89944	28.04049	2.64335	2.6	1.99999	16.62055	0.00219	16.60805	220424903	4010125	105
08/22/2017 11:16:31	16.67644	16.6966	16.65705	732.85858	732.89996	732.79998	30.70334	31	30.6	28.47199	28.9	28	27.66066	28.4284	27.0153	2.23134	2.6	1.99999	16.70376	0.06419	16.69139	220424903	4010125	105
08/22/2017 11:21:31	16.67511	16.70734	16.65233	732.89593	732.89996	732.79998	31.10379	31.3	31	28.44499	28.7	28.1	27.56776	27.90195	27.07071	2.6588	2.99999	2.4	16.78696	0.02138	16.77472	220424903	4010125	105
08/22/2017 11:26:31	16.67581	16.69783	16.65168	732.88977	732.89996	732.79998	31.74997	31.9	31.6	29.01731	29.3	28.7	28.26357	28.56695	27.92966	2.73265	3.1	2.4	16.87016	0.04058	16.85833	220424903	4010125	105
08/22/2017 11:31:31	16.67581	16.69783	16.65168	732.88977	732.89996	732.79998	31.74997	31.9	31.6	29.01731	29.3	28.7	28.26357	28.56695	27.92966	2.73265	3.1	2.4	16.95338	0	16.94139	220424903	4010125	105
08/22/2017 11:36:31	16.67585	16.69567	16.65879	732.89984	732.89996	732.79998	32.50686	32.7	32.4	29.91029	30.6	29.5	28.55535	28.92715	28.20674	2.59657	2.9	2.1	17.03659	0.04081	17.025	220424903	4010125	105
08/22/2017 11:41:31	16.67585	16.69567	16.65879	732.89984	732.89996	732.79998	32.50686	32.7	32.4	29.91029	30.6	29.5	28.55535	28.92715	28.20674	2.59657	2.9	2.1	17.11979	0.04074	17.10805	220424903	4010125	105
08/22/2017 11:46:31	16.67466	16.70306	16.64492	732.9859	733	732.89996	33.06706	33.3	32.9	29.60207	29.9	29.3	27.64163	27.95737	27.3755	3.46499	3.8	3	17.203	0.08727	17.19166	220424903	4010125	105
08/22/2017 11:51:31	16.67466	16.70306	16.64492	732.9859	733	732.89996	33.06706	33.3	32.9	29.60207	29.9	29.3	27.64163	27.95737	27.3755	3.46499	3.8	3	17.2862	0	17.27472	220424903	4010125	105
08/22/2017 11:56:31	16.67649	16.69164	16.66174	733	733	733	33.22059	33.3	33.09999	29.52394	29.9	29.2	27.53522	27.84654	27.15384	3.69665	3.8	3.09999	17.3694	0.04071	17.35833	220424903	4010125	105
08/22/2017 12:01:31	16.67447	16.69164	16.65089	733	733	733	33.20628	33.3	33.09999	29.85604	30	29.5	27.87736	28.20674	27.54175	3.35025	3.8	3.09999	17.45261	0.00706	17.44139	220424903	4010125	105
08/22/2017 12:06:31	16.67636	16.70063	16.65089	732.95758	733	732.89996	33.20713	33.3	33.09999	29.90747	30.4	29.5	28.10914	28.37299	27.81883	3.29966	3.4	2.9	17.53584	0.04076	17.525	220424903	4010125	105
08/22/2017 12:11:31	16.67642	16.70114	16.6549	732.90094	733	732.89996	33.34012	33.4	33.3	30.17795	30.4	30	27.98056	28.28987	27.62487	3.16216	3.4	2.9	17.61904	0.02839	17.60805	220424903	4010125	105
08/22/2017 12:16:31	16.67731	16.69067	16.65538	732.89392	732.89996	732.79998	33.43094	33.59999	33.3	30.54704	30.8	30.2	27.63675	28.01278	27.20925	2.88389	3.8	2.8	17.70226	0.08161	17.69139	220424903	4010125	105
08/22/2017 12:21:31	16.67523	16.6949	16.64817	732.84033	732.89996	732.79998	33.95802	34.09999	33.7	31.10424	31.6	30.8	28.19152	28.53924	27.90195	2.85377	3.3	2.39999	17.78546	0.04246	17.775	220424903	4010125	105
08/22/2017 12:26:31	16.67523	16.6949	16.64817	732.84033	732.89996	732.79998	33.95802	34.09999	33.7	31.10424	31.6	30.8	28.19152	28.53924	27.90195	2.85377	3.3	2.39999	17.86866	0.0409	17.85805	220424903	4010125	105
08/22/2017 12:31:31	16.67416	16.69405	16.64528	732.87774	732.89996	732.79998	34.19707	34.3	34.09999	31.13744	31.3	30.8	28.56089	28.84403	28.20674	3.05962	3.3	2.9	17.95187	0.041	17.94139	220424903	4010125	105
08/22/2017 12:36:31	16.67663	16.69606	16.64376	732.82415	732.89996	732.79998	34.49445	34.59999	34.3	31.59236	32.2	31.2	28.76618	29.01027	28.51153	2.90208	3.1	2.8	18.03508	0.06968	18.02472	220424903	4010125	105
08/22/2017 12:41:31	16.67591	16.69853	16.6434	732.75042	732.79998	732.69995	34.97081	35.09999	34.8	31.92576	32.3	31.6	27.90467	28.4284	27.45863	3.04504	3.49999	2.7	18.11828	0.04104	18.10833	220424903	4010125	105
08/22/2017 12:46:31	16.67591	16.69853	16.6434	732.75042	732.79998	732.69995	34.97081	35.09999	34.8	31.92576	32.3	31.6	27.90467	28.4284	27.45863	3.04504	3.49999	2.7	18.20149	0.11552	18.19139	220424903	4010125	105
08/22/2017 12:51:31	16.6757	16.70482	16.65594	732.72216	732.79998	732.69995	35.28741	35.5	35.09999	32.38745	32.6	32.2	27.83906	28.15133	27.54175	2.89995	3.2	2.7	18.28469	0	18.27472	220424903	4010125	105
08/22/2017 12:56:31	16.67581	16.69296	16.65525	732.79492	732.79998	732.69995	35.57023	35.7	35.4	32.08684	32.3	31.8	28.14203	28.4284	27.87425	3.48339	3.7	3.3	18.3679	0.09556	18.35805	220424903	4010125	105
08/22/2017 13:01:31	16.67536	16.69987	16.65371	732.72418	732.79998	732.69995	35.89702	36	35.8	32.82869	33.1	32.5	28.29997	28.65007	27.98507	3.06833	3.3	2.8	18.45111	0	18.44166	220424903	4010125	105
08/22/2017 13:06:31	16.67536	16.69987	16.65371	732.72418	732.79998	732.69995	35.89702	36	35.8	32.82869	33.1	32.5	28.29997	28.65007	27.98507	3.06833	3.3	2.8	18.53432	0	18.52472	220424903	4010125	105
08/22/2017 13:11:31	16.67459	16.69987	16.65313	732.70501	732.79998	732.59997	36.07446	36.3	35.9	32.82597	33.1	32.5	28.57186	28.98256	28.23445	3.24848	3.5	2.89999	18.61754	0.0623	18.60805	220424903	4010125	105
08/22/2017 13:16:31	16.67731	16.70292	16.65714	732.63928	732.69995	732.5	36.3401	36.4	36.3	33.38473	33.8	33	28.78283	29.09339	28.45611	2.95537	3.8	2.6	18.70074	0	18.69166	220424903	4010125	105
08/22/2017 13:21:31	16.67415	16.69186	16.64489	732.65155	732.69995	732.5	36.50687	36.7	36.4	33.17404	33.8	32.8	29.03195	29.39818	28.70548	3.33283	3.8	2.6	18.78395	0.0221	18.77472	220424903	4010125	105
08/22/2017 13:26:31	16.67628	16.69425	16.65371	732.69891	732.69995	732.59997	36.67644	36.7	36.59999	33.13422	33.4	32.9	28.78879	29.1211	28.37299	3.54221	3.8	3.19999	18.86715	0	18.85805	220424903	4010125	105
08/22/2017 13:31:31	16.67709	16.69162	16.65446	732.66961	732.69995	732.59997	36.74711	36.9	36.7	33.48032	33.7	32.9	28.67688	29.17652	28.31757	3.26679	3.59999	2.7	18.95037	0.09394	18.94166	220424903	4010125	105
08/22/2017 13:36:31	16.6769	16.70615	16.65468	732.60388	732.69995	732.39996	36.94346	37	36.7	33.77759	34.1	33.4	28.54566	28.92715	28.20674	3.16587	3.59999	2.7	19.03358	0.00078	19.02472	220424903	4010125	105
08/22/2017 13:41:31	16.67469	16.70615	16.64804	732.53039	732.69995	732.39996	37.10041	37.2	37	34.06719	34.3	33.7	28.0812	28.56695	27.62487	3.03322	3.4	2.7	19.11678	0.00881	19.10805	220424903	4010125	105
08/22/2017 13:46:31	16.67554	16.69209	16.65446	732.64538	732.69995	732.59997	37.50105	37.59999	37.3	33.75771	34	33.6	28.31206	28.73319	28.01278	3.74333	3.99999	3.3	19.19999	0.00078	19.19166	220424903	4010125	105
08/22/2017 13:51:31	16.67554	16.69209	16.65446	732.64538	732.69995	732.59997	37.50105	37.59999	37.3	33.75771	34	33.6	28.31206	28.73319	28.01278	3.74333	3.99999	3.3	19.28319	0.04131	19.27472	220424903	4010125	105
08/22/2017 13:56:31	16.67556	16.69725	16.65051	732.34539	732.39996	732.29998	37.68961	37.8	37.59999	34.17139	34.4	33.8	28.57023	28.81632	28.31757	3.51822	3.9	3.3	19.36639	0.0088	19.35833	220424903	4010125	105
08/22/2017 14:01:31	16.67556	16.69725	16.65051	732.34539	732.39996	732.29998	37.68961	37.8	37.59999	34.17139	34.4	33.8	28.57023	28.81632	28.31757	3.51822	3.9	3.3	19.4496	0.04142	19.44139	220424903	4010125	105
08/22/2017 14:06:31	16.67496	16.70864	16.65907	732.21508	732.39996	732.09997	37.79032	37.9	37.7	34.44074	35	34.1	28.66502	28.92715	28.34528	3.34958	3.39999	2.7	19.53281	0.04146	19.525	220424903	4010125	105
08/22/2017 14:11:31	16.67518	16.6995	16.65301	732.12622	732.19995	732	37.96001	38.09999	37.9	34.89797	35.2	34.7	28.94425	29.25965	28.59466	3.06203	3.39999	2.7	19.61602	0.0326	19.60805	220424903	4010125	105
08/22/2017 14:16:31	16.6743	16.69142	16.63852	732.17871	732.19995	732.09997	38.2273	38.4	38.09999	34.78886	35.3	34.3	29.23615	29.59214	28.95485	3.43844	3.8	3	19.69922	0.06296	19.69139	220424903	4010125	105
08/22/2017 14:21:31	16.67539	16.69345	16.65259	732.10803	732.19995	732.09997	38.45761	38.7	38.3	34.57569	35	34.2	28.94796	29.28736	28.67777	3.88191	4.1	3.5	19.78244	0.02044	19.775	220424903	4010125	105
08/22/2017 14:26:31	16.67483	16.69934	16.65862	732.104	732.19995	732.09997	38.56336	38.7	38.4	34.75748	35	34.6	28.82154	29.14881	28.4007	3.80587	4.1	3.5	19.86564	0.02099	19.85805	220424903	4010125	105
08/22/2017 14:31:31	16.67574	16.6995	16.65862	732.09997	732.09997	732.09997	38.78285	38.9	38.7	35.1695	35.5	34.6	28.51424	28.89944	28.12362	3.61335	4.2	3.3	19.94885	0.04185	19.94166	220424903	4010125	105
08/22/2017 14:36:31	16.67574	16.6995	16.65862	732.09997	732.09997	732.09997	38.78285	38.9	38.7	35.1695	35.5	34.6	28.51424	28.89944	28.12362	3.61335	4.2	3.3	20.03205	0.0415	20.02472	220424903	4010125	105
08/22/2017 14:41:31	16.674	16.69389	16.65322	732.09997	732.09997	732.09997	38.94349	39	38.9	35.19668	35.3	34.9	28.3348	28.65007	27.92966	3.7468	4	3.6	20.11526	0.02093	20.10833	220424903	4010125	105
08/22/2017 14:46:31	16.674	16.69389	16.65322	732.09997	732.09997	732.09997	38.94349	39	38.9	35.19668	35.3	34.9	28.3348	28.65007	27.92966	3.7468	4	3.6	20.19846	0.06191	20.19139	220424903	4010125	105
08/22/2017 14:51:31	16.67465	16.6906	16.65569	732.00299	732.09997	731.89996	39.00335	39.09999	38.9	35.10553	35.4	34.6	28.51831	28.84403	28.26216	3.89781	4.39999	3.59999	20.28167	0.01215	20.275	220424903	4010125	105
08/22/2017 14:56:31	16.67465	16.6906	16.65569	732.00299	732.09997	731.89996	39.00335	39.09999	38.9	35.10553	35.4	34.6	28.51831	28.84403	28.26216	3.89781	4.39999	3.59999	20.36487	0.00923	20.35805	220424903	4010125	105

08/22/2017 15:01:31	16.67594	16.6874	16.66402	731.9414	732	731.89996	39.03031	39.3	39	35.36796	35.6	35.2	28.53888	28.87173	28.23445	3.66234	4	3.39999	20.44807	0.02093	20.44166	220424903	4010125	105
08/22/2017 15:06:31	16.67533	16.70182	16.64972	731.94744	732	731.89996	39.03337	39.3	39	34.88276	35.5	34.6	28.68179	29.01027	28.4007	4.15061	4.4	3.5	20.53128	0	20.525	220424903	4010125	105
08/22/2017 15:11:31	16.67533	16.70182	16.64972	731.94744	732	731.89996	39.03337	39.3	39	34.88276	35.5	34.6	28.68179	29.01027	28.4007	4.15061	4.4	3.5	20.61448	0.04141	20.60805	220424903	4010125	105
08/22/2017 15:16:31	16.67504	16.69841	16.65181	731.90399	732	731.89996	38.98682	39	38.9	34.56496	34.7	34.3	28.64686	28.87173	28.26216	4.42185	4.7	4.3	20.69769	0	20.69166	220424903	4010125	105
08/22/2017 15:21:31	16.67426	16.68679	16.65147	731.89898	731.89996	731.79998	38.90636	39	38.8	34.20507	34.6	34	28.60852	28.87173	28.37299	4.70129	5	4.3	20.78089	0.02037	20.775	220424903	4010125	105
08/22/2017 15:26:31	16.67426	16.68679	16.65147	731.89898	731.89996	731.79998	38.90636	39	38.8	34.20507	34.6	34	28.60852	28.87173	28.37299	4.70129	4.8	4	20.8641	0.02033	20.85833	220424903	4010125	105
08/22/2017 15:31:31	16.67496	16.71002	16.6484	731.89184	732	731.79998	38.81277	38.9	38.7	34.36457	34.9	34	28.6872	29.06569	28.31757	4.4482	4.8	4	20.9473	0	20.94139	220424903	4010125	105
08/22/2017 15:36:31	16.6753	16.69481	16.64216	731.84436	731.89996	731.79998	38.75652	38.8	38.7	34.22134	34.7	33.7	28.98988	29.37048	28.67777	4.53518	5.1	4.4	21.0305	0.08336	21.025	220424903	4010125	105
08/22/2017 15:41:31	16.67627	16.70031	16.65375	731.75854	731.79998	731.69995	38.54947	38.7	38.4	33.81081	34.2	33.4	29.54357	29.92464	29.17652	4.73866	5.1	4.3	21.11371	0	21.10833	220424903	4010125	105
08/22/2017 15:46:31	16.67757	16.70279	16.65641	731.70092	731.79998	731.69995	38.4431	38.5	38.3	33.87345	34.1	33.6	29.93373	30.22942	29.67526	4.56964	4.89999	4.2	21.19692	0.02032	21.19166	220424903	4010125	105
08/22/2017 15:51:31	16.67757	16.70279	16.65641	731.70092	731.79998	731.69995	38.4431	38.5	38.3	33.87345	34.1	33.6	29.93373	30.22942	29.67526	4.56964	4.89999	4.2	21.28012	0	21.275	220424903	4010125	105
08/22/2017 15:56:31	16.67607	16.70279	16.65602	731.69995	731.69995	731.69995	38.35587	38.5	38.3	33.69296	34	33.5	29.90667	30.22942	29.64756	4.6629	5	4.3	21.36333	0.08271	21.35805	220424903	4010125	105
08/22/2017 16:01:31	16.67653	16.69729	16.6623	731.69995	731.69995	731.59997	38.32693	38.5	38.3	34.19764	34.3	34	29.812	30.09088	29.42589	4.12929	4.39999	4	21.44653	0.0827	21.44166	220424903	4010125	105
08/22/2017 16:06:31	16.67653	16.69729	16.6623	731.69995	731.69995	731.59997	38.32693	38.5	38.3	34.19764	34.3	34	29.812	30.09088	29.42589	4.12929	4.39999	4	21.52974	0.02098	21.52472	220424903	4010125	105
08/22/2017 16:11:31	16.67315	16.69346	16.65033	731.60296	731.69995	731.59997	38.4966	38.7	38.4	33.90008	34.3	33.4	29.96736	30.20172	29.70297	4.59652	5.1	4.2	21.61295	0.00083	21.60833	220424903	4010125	105
08/22/2017 16:16:31	16.67283	16.69367	16.6528	731.59997	731.59997	731.59997	38.48318	38.5	38.4	33.7296	34	33.2	30.01067	30.28484	29.70297	4.75357	5.3	4.4	21.69615	0.06234	21.69166	220424903	4010125	105
08/22/2017 16:21:31	16.67283	16.69367	16.6528	731.59997	731.59997	731.59997	38.48318	38.5	38.4	33.7296	34	33.2	30.01067	30.28484	29.70297	4.75357	5.3	4.4	21.77935	0.04124	21.77472	220424903	4010125	105
08/22/2017 16:26:31	16.67345	16.69323	16.64691	731.59997	731.59997	731.59997	38.26325	38.3	38.09999	33.53209	34	33.2	29.75788	30.06318	29.48131	4.73116	5.1	4.3	21.86256	0	21.85833	220424903	4010125	105
08/22/2017 16:31:31	16.67345	16.69323	16.64691	731.59997	731.59997	731.59997	38.26325	38.3	38.09999	33.53209	34	33.2	29.75788	30.06318	29.48131	4.73116	5.1	4.3	21.94576	0.02018	21.94139	220424903	4010125	105
08/22/2017 16:36:31	16.67573	16.6989	16.65187	731.59191	731.59997	731.5	38.14296	38.3	38.09999	33.17123	33.6	32.6	29.68543	29.89693	29.37048	4.97173	5.49999	4.49999	22.02896	0.02013	22.02472	220424903	4010125	105
08/22/2017 16:41:31	16.67425	16.68929	16.6597	731.5	731.5	731.5	37.91646	38.09999	37.8	32.98757	33.2	32.5	29.39544	29.67526	29.1211	4.92889	5.3	4.6	22.11217	0.04114	22.10833	220424903	4010125	105
08/22/2017 16:46:31	16.67425	16.68929	16.6597	731.5	731.5	731.5	37.91646	38.09999	37.8	32.98757	33.2	32.5	29.39544	29.67526	29.1211	4.92889	5.3	4.6	22.19537	0	22.19139	220424903	4010125	105
08/22/2017 16:51:31	16.67477	16.69177	16.64526	731.46978	731.5	731.39996	37.71676	37.8	37.59999	33.03221	33.2	32.6	29.13419	29.39818	28.81632	4.68454	5.1	4.5	22.27857	0.04033	22.275	220424903	4010125	105
08/22/2017 16:56:31	16.67477	16.69177	16.64526	731.46978	731.5	731.39996	37.71676	37.8	37.59999	33.03221	33.2	32.6	29.13419	29.39818	28.81632	4.68454	5.1	4.5	22.36178	0.04119	22.35805	220424903	4010125	105
08/22/2017 17:01:31	16.67613	16.69682	16.65626	731.39996	731.39996	731.39996	37.66678	37.7	37.59999	32.58825	32.9	32.4	29.08249	29.50902	28.7609	5.07852	5.3	4.69999	22.44498	0	22.44166	220424903	4010125	105
08/22/2017 17:06:31	16.67613	16.69682	16.65626	731.39996	731.39996	731.39996	37.66678	37.7	37.59999	32.58825	32.9	32.4	29.08249	29.50902	28.7609	5.07852	5.3	4.69999	22.52818	0.02113	22.52472	220424903	4010125	105
08/22/2017 17:11:31	16.6743	16.69617	16.64972	731.35363	731.39996	731.29998	37.32313	37.59999	37.2	32.19568	32.4	32	29.22057	29.67526	28.73319	5.12745	5.5	4.9	22.61139	0.02996	22.60833	220424903	4010125	105
08/22/2017 17:16:31	16.6743	16.69617	16.64972	731.35363	731.39996	731.29998	37.32313	37.59999	37.2	32.19568	32.4	32	29.22057	29.67526	28.73319	5.12745	5.5	4.9	22.69459	0.02113	22.69139	220424903	4010125	105
08/22/2017 17:21:31	16.67535	16.69581	16.66055	731.37982	731.39996	731.29998	36.96037	37.09999	36.7	31.7765	32	31.6	29.99122	30.36796	29.64756	5.18387	5.49999	4.8	22.77779	0.04104	22.775	220424903	4010125	105
08/22/2017 17:26:31	16.67535	16.69581	16.66055	731.37982	731.39996	731.29998	36.96037	37.09999	36.7	31.7765	32	31.6	29.99122	30.36796	29.64756	5.18387	5.4	4.69999	22.861	0.0185	22.85805	220424903	4010125	105
08/22/2017 17:31:31	16.67475	16.70387	16.65423	731.36041	731.39996	731.29998	36.67617	36.9	36.5	31.70699	31.9	31.3	29.72129	30.09088	29.37048	4.96917	5.4	4.69999	22.9442	0.04104	22.94139	220424903	4010125	105
08/22/2017 17:36:31	16.67472	16.68987	16.64904	731.39996	731.39996	731.39996	36.14336	36.3	36	31.72747	31.9	31.4	29.2027	29.48131	28.84403	4.41588	4.7	4.09999	23.0274	0.04239	23.025	220424903	4010125	105
08/22/2017 17:41:31	16.67472	16.68987	16.64904	731.39996	731.39996	731.39996	36.14336	36.3	36	31.72747	31.9	31.4	29.2027	29.48131	28.84403	4.41588	4.7	4.09999	23.11061	0.04105	23.10805	220424903	4010125	105
08/22/2017 17:46:31	16.67524	16.69545	16.65497	731.39996	731.39996	731.39996	35.95671	36	35.9	31.67378	31.8	31.4	29.06428	29.31506	28.84403	4.28292	4.5	4.1	23.19381	0.02119	23.19139	220424903	4010125	105
08/22/2017 17:51:31	16.67244	16.69079	16.65939	731.31842	731.39996	731.29998	35.6436	35.8	35.5	30.97316	31.2	30.8	28.8621	29.20423	28.51153	4.67044	4.9	4.5	23.27701	0.04091	23.275	220424903	4010125	105
08/22/2017 17:56:31	16.67244	16.69079	16.65939	731.31842	731.39996	731.29998	35.6436	35.8	35.5	30.97316	31.2	30.8	28.8621	29.20423	28.51153	4.67044	4.89999	4.1	23.36022	0.041	23.35833	220424903	4010125	105
08/22/2017 18:01:31	16.67471	16.69588	16.65037	731.29998	731.29998	731.29998	35.39329	35.5	35.3	30.8456	31.2	30.6	29.06747	29.48131	28.62236	4.54769	4.89999	4.1	23.44342	0	23.44139	220424903	4010125	105
08/22/2017 18:06:31	16.67313	16.69632	16.65037	731.29998	731.29998	731.29998	35.22989	35.4	35.09999	30.75907	31.2	30.5	29.69814	30.09088	29.09339	4.47082	4.7	4.1	23.52662	0.04969	23.52472	220424903	4010125	105
08/22/2017 18:11:31	16.67374	16.68945	16.65505	731.29596	731.29998	731.19995	35.05336	35.2	34.9	30.48958	30.6	30.4	29.90243	30.1463	29.64756	4.56378	4.49999	4	23.60983	0	23.60833	220424903	4010125	105
08/22/2017 18:16:31	16.67326	16.69542	16.66101	731.28186	731.29998	731.19995	34.82276	35.09999	34.7	30.58692	30.7	30.5	29.66043	29.95234	29.42589	4.23584	4.49999	4	23.69303	0.02292	23.69139	220424903	4010125	105
08/22/2017 18:21:31	16.67485	16.69239	16.65753	731.208	731.29998	731.19995	34.66342	34.8	34.59999	30.58162	30.7	30.2	29.48895	29.70297	29.20423	4.08179	4.69999	4.2	23.77623	0.04084	23.775	220424903	4010125	105
08/22/2017 18:26:31	16.67423	16.69695	16.65064	731.19995	731.19995	731.19995	34.49363	34.7	34.3	30.06943	30.2	29.9	29.40057	29.70297	29.01027	4.42419	4.69999	4.2	23.85944	0.02129	23.85805	220424903	4010125	105
08/22/2017 18:31:31	16.67601	16.69097	16.66209	731.18487	731.19995	731.09997	34.22648	34.3	34.2	30.05369	30.2	29.9	29.12865	29.48131	28.7609	4.17278	4.3	4	23.94264	0.01948	23.94139	220424903	4010125	105
08/22/2017 18:36:31	16.67303	16.70439	16.65213	731.09997	731.09997	731.09997	34.64022	35.09999	34.2	29.76952	30	29.6	28.95067	29.37048	28.65007	4.87069	5.49999	4.3	24.00131	0	23.99944	220424903	4010125	105
08/22/2017 18:41:31	0	0	0	731.09997	731.09997	731.09997	35.57657	35.9	35.3	29.16646	29.4	28.9	9.64458	10.14113	9.11593	6.4101	6.6	6.1	24.00131	0	23.99944	220424903	4010125	105
08/22/2017 18:46:31	0	0	0	731.09997	731.09997	731.09997	35.57657	35.9	35.3	29.16646	29.4	28.9	9.64458	10.14113	9.11593	6.4101	6.6	6.1	24.00131	0	23.99944	220424903	4010125	105
08/22/2017 18:51:31	0	0	0	731.02752	731.09997	731	34.36684	34.7	34	28.33291	28.6	28.2	10.13532	10.36279	9.89175	6.03393	6.3	5.8	24.00131	0	23.99944	220424903	4010125	105
08/22/2017 18:56:31	0	0	0	731.00097	731.09997	731	33.63435	34	33.09999	27.97692	28.2	27.7	9.65843	9.97488	9.33759	5.65742	5.9	5.3	24.00131	0	23.99944	220424903	4010125	105
08/22/2017 19:01:31	0	0	0	731.005	731.09997	731	32.92287	33.3	32.7	27.60674	27.7	27.4	9.52979	10.22425	9.14364	5.31614	5.6	5.1	24.00131	0	23.99944	220424903	4010125	105
08/22/2017 19:06:31	0	0	0	731	731	731	32.26584	32.7	32.09999	27.30677	27.5	27.1	10.21354	10.44591	9.89175	4.95906	5.2	4.7	24.00131	0	23.99944	220424903	4010125	105
08/22/2017 19:11:31	0	0	0	731	731	731	32.26584	32.7	32.09999	27.30677	27.5	27.1	10.21354	10.44591	9.89175	4.95906	5.09999	4.5	24.00131	0	23.99944	220424903	4010125	105
08/22/2017 19:16:31	0	0	0	730.98388	731	730.89996	31.18257	31.5	31	26.88661	27	26.8	9.28127	9.50384	9.0328	4.29595	4.6	4.19999	24.00131	0	23.99944	220424903	4010125	105
08/22/2017 19:21:31	0	0	0	730.9483	731	730.89996	30.83326	31	30.7	26.63394	26.9	26.5	10.06015	10.44591	9.47613	4.19932	4.4	3.9	24.00131	0	23.99944	220424903	4010125	105
08/22/2017 19:26:31	0	0	0	730.9483	731	730.89996	30.83326	31	30.7	26.63394	26.9	26.5	10.06015	10.44591	9.47613	4.19932	4.4	3.9	24.00131	0	23.99944	220424903	4010125	105
08/22/2017 19:31:31	0	0	0	731	731	731	30.65002	30.7	30.6	26.36682	26.5	26.2	9.96136	10.25196	9.64238	4.28319	4.5	4.19999	24.00131	0	23.99944	220424900	4010225	105
08/22/2017 19:36:31	0	0	0	731	731	731	30.56348	32.4	30.3	25.96613	26.2	25.8	9.48831	9.75321	9.14364	4.59735	6.6	4.3	0.02397	0.08043	0.025	220424900	4010225	105
08/22/2017 19:41:31	16.67804	16.7022	16.6571	731.02111	731.09997	731	29.23995	29.4	29.1	25.23357	25.4	25.1	27.44809	27.92966	26.79363	4.00637	4.1	3.9	0.10736	0.08033	0.10861	220424900	4010225	105
08/22/2017 19:46:31	16.67804	16.7022	16.6571	731.02111	731.09997	731	29.23995	29.4	29.1	25.23357	25.4	25.1	27.44809	27.92966	26.79363	4.00637	4.1	3.9	0.19073	0	0.19166	220424900	4010225	105
08/22/2017 19:51:31	16.67575	16.69343	16.66237	731.0849	731.09997	731	28.40272	28.7	28.2	24.53328	24.7	24.4	26.76181	27.09842	26.46114	3.86944	4.1	3.69999	0.27411	0	0.27527	220424900	4010225	105
08/22/2017 19:56:31	16.67575	16.69343	16.66237	731.0849	731.09997	731	28.40272	28.7	28.2	24.53328	24.7	24.4	26.76181	27.09842	26.46114	3.86944	4.1	3.69999	0.3575	0	0.35833	220424900	4010225	105
08/22/2017 20:01:31	16.67766	16.69002	16.65537	731.09997	731.09997	731.09997	28.09656	28.3	28	24.25963	24.4	24.2	27.00496	27.54175	26.43343	3.83693	4	3.69999	0.44087	0	0.44166	220424900	4010225	105
08/22/2017 20:06:31	16.67507	16.68907	16.66318	731.10199	731.19995	731.09997	27.85341	28.1	27.6	24.02615	24.2	23.9	27.6838	28.09591	27.09842	3.82726	3.99999	3.49999	0.52423	0	0.52527	220424900	4010225	105
08/22/2017 20:11:31	16.67227	16.68713	16.65957	731.09997	731.09997	731.09997	27.54036	27.7	27.4	23.82034	24	23.6	27.67327	28.0682	27.34779	3.72001	3.99999	3.49999	0.6076	0.03993	0.60833	220424900	4010225	105
08/22/2017 20:16:31	16.67462	16.69022	16.66273	731.09997	731.09997	731.09997	27.1736	27.3	27	23.36346	23.4	23.3	27.19206	27.48633	26.93217	3.81014	3.9	3.69999	0.69097	0.07984	0.69194	220424900	4010225	105
08/22/2017 20:21:31	16.67462	16.69022	16.66273	731.09997	731.09997	731.09997	27.1736	27.3	27	23.36346	23.4	23.3	27.19206	27.48633	26.93217	3.81014	3.9	3.69999	0.77434	0.04357	0.775	220424900	4010225	105
08/22/2017 20:26:31	16.67415	16.69531	16.65823	731.10101	731.19995	731.09997	26.92326	27.1	26.8	23.16282	23.3	23	26.93227	27.23696	26.65509	3.76043	3.9	3.5	0.85771	0.02181	0.85861	220424900	4010225	105
08/22/2017 20:31:31	16.6748	16.68814	16.65966	731.09997	731.09997	731.09997	26.43589	26.7	26.3	22.80261	22.9	22.7	26.78419	27.29238	26.35031	3.63328	3.8	3.49999	0.94109	0	0.94194	220424900	4010225	105
08/22/2017 20:36:31	16.6748	16.68814	16.65966	731.09997	731.09997	731.09997	26.43589	26.7	26.3	22.80261	22.9	22.7	26.78419	27.29238	26.35031	3.63328	3.8	3.49999	1.02447	0.03982	1.025	220424900	4010225	105
08/22/2017 20:41:31	16.67526	16.69213	16.66472	731.09997	731.09997	731.09997	26.18998	26.3	26.1	22.63996	22.7	22.6	27.8093	28.01278	27.45863	3.55001	3.6	3.4	1.10785	0	1.10861	220424900	4010225	105
08/22/2017 20:46:31	16.67526	16.69213	16.66472	731.09997	731.09997	731.09997	26.18998	26.3	26.1	22.63996	22.7	22.6	27.8093	28.01278	27.45863	3.55001	3.6	3.4	1.19123	0	1.19166	220424900	4010225	105
08/22/2017 20:51:31	16.67509	16.7022	16.65754	731.11706	731.19995	731.09997	25.91044	26.1	25.8	22.36	22.6	22.3	27.46247	27.708	27.23696	3.55043	3.8	3.29999	1.27461	0.00882	1.27527	220424900	4010225	105
08/22/2017 20:56:31	16.67509	16.7022	16.65754	731.11706	731.19995	731.09997	25.91044	26.1	25.8	22.36	22.6	22.3	27.46247	27.708	27.23696	3.55043	3.8	3.29999	1.35798	0	1.35833	220424900	4010225	105
08/22/2017 21:01:31	16.67145	16.68633	16.65902	731.20098	731.29998	731.19995	25.69665	25.7	25.6	22.0769	22.1	22	27.08774	27.3755	26.71051	3.61974	3.7	3.5	1.44134	0.01788	1.44194	220424900	4010225	105
08/22/2017 21:06:31	16.67145	16.68633	16.65902	731.20098	731.29998	731.19995	25.69665	25.7	25.6	22.0769	22.1	22	27.08774	27.3755	26.71051	3.61974	3.7	3.5	1.52472	0.03969	1.525	220424900	4010225	105
08/22/2017 21:11:31	16.67385	16.6902	16.66178	731.19995	731.19995	731.19995	25.40328	25.5	25.2	21.62013	21.7	21.6	26.76343	27.043	26.48884	3.78315	3.9	3.6	1.60808	0	1.60861	220424900	4010225	105
08/22/2017 21:16:31	16.67385	16.6902	16.66178	731.19995	731.19995	731.19995	25.40328	25.5	25.2	21.62013	21.7	21.6	26.76343	27.043	26.48884	3.78315	3.9	3.6	1.69143	0	1.69166	220424900	4010225	105
08/22/2017 21:21:31	16.67336	16.68904	16.64835	731.19995	731.19995	731.19995	25.16311	25.3	25.1	21.46387	21.6	21.2	26.77497	27.23696	26.37801	3.69924	3.9	3.6	1.7748	0.0042	1.77527	220424900	4010225	105
08/22/2017 21:26:31	16.67336	16.68904	16.64835	731.19995	731.19995	731.19995	25.16311	25.3	25.1	21.46387	21.6	21.2	26.77497	27.23696	26.37801	3.69924	3.9	3.6	1.85816	0.02195	1.85833	220424900	4010225	105
08/22/2017 21:31:31	16.67453	16.69778	16.65214	731.19995	731.19995	731.19995	24.88703	25	24.7	20.95673	21.1	20.9	27.67836	28.0682	27.40321	3.93029	4.1	3.8	1.94154	0.03961	1.94194	220424900	4010225	105
08/22/2017 21:36:31	16.67453	16.69778	16.65214	731.19995	731.19995	731.19995	24.88703	25	24.7	20.95673	21.1	20.9	27.67836	28.0682	27.40321	3.93029	4.1	3.8	2.02492	0.02198	2.025	220424900	4010225	105
08/22/2017 21:41:31	16.67683	16.6904	16.65588	731.19995	731.19995	731.19995	24.61717	24.7	24.5	20.68327	20.9	20.5	27.56901	27.87425	27.18155	3.9339	4.1	3.69999	2.10828	0	2.10833	220424900	4010225	105
08/22/2017 21:46:31	16.67472	16.68917	16.66081	731.19995	731.19995	731.19995	24.42951	24.6	24.3	20.45335	20.6	20.3	27.32104	27.79112	27.0153	3.97616	4.1	3.8	2.19163	0.04402	2.19166	220424900	4010225	105
08/22/2017 21:51:31	16.67265	16.68792	16.65341	731.19995	731.19995	731.19995	24.23668	24.4	24.1	20.2371	20.4	20	27.06072	27.40321	26.79363	3.99958	4.1	3.8	2.27499	0	2.275	220424900	4010225	105
08/22/2017 21:56:31	16.67405	16.68666	16.65216	731.19995	731.19995	731.19995	24.00375	24.1	23.9	20.03959	20.2	20	26.8318	27.12613	26.54426	3.96415	4.1	3.8	2.35836	0.05695	2.35833	220424900	4010225	105
08/22/2017 22:01:31	16.67407	16.69283	16.65216	731.19995	731.19995	731.19995	23.83293	24	23.7	20.01006	20.3	19.9	26.67337	27.0153	26.35031	3.82286	4	3.5	2.44175	0.01737	2.44166	220424900	4010225	105
08/22/2017 22:06:31	16.67614	16.69027	16.65578	731.19995	731.19995	731.19995	23.72652	23.8	23.5	19.79632	20	19.6	26.55013	26.79363	26.18406	3.93019	4.1	3.8	2.5251	0.0394	2.525	220424900	4010225	105
08/22/2017 22:11:31	16.67449	16.68878	16.65803	731.16571	731.19995	731.09997	23.33317	23.4	23.3	19.16981	19.3	19.1	27.56598	27.92966	27.12613	4.16336	4.3	4	2.60847	0.03935	2.60861	220424900	4010225	105

08/22/2017 22:16:31	16.67449	16.68878	16.65803	731.16571	731.19995	731.09997	23.33317	23.4	23.3	19.16981	19.3	19.1	27.56598	27.92966	27.12613	4.16336	4.3	4	2.69185	0	2.69166	220424900	4010225	105
08/22/2017 22:21:31	16.67548	16.69363	16.6605	731.10431	731.19995	731.09997	23.25675	23.3	23.1	19.21674	19.3	19.1	27.49244	27.84654	27.12613	4.04	4.2	3.9	2.77523	0	2.775	220424900	4010225	105
08/22/2017 22:26:31	16.6758	16.68878	16.65431	731.09997	731.09997	731.09997	22.5333	22.7	22.3	19.10367	19.3	19	27.17483	27.51404	26.93217	3.42963	3.6	3.2	2.85859	0.03935	2.85861	220424900	4010225	105
08/22/2017 22:31:31	16.6758	16.68878	16.65431	731.09997	731.09997	731.09997	22.5333	22.7	22.3	19.10367	19.3	19	27.17483	27.51404	26.93217	3.42963	3.6	3.2	2.94195	0.06147	2.94166	220424900	4010225	105
08/22/2017 22:36:31	16.67229	16.68743	16.65431	731.09997	731.09997	731.09997	22.28024	22.5	22.2	19.01644	19.1	19	27.04603	27.40321	26.65509	3.2638	3.5	3.1	3.02532	0.00488	3.025	220424900	4010225	105
08/22/2017 22:41:31	16.67255	16.69227	16.65161	731.09997	731.09997	731.09997	22.06348	22.1	22	18.96985	19	18.7	26.82309	27.09842	26.54426	3.09362	3.4	3	3.10869	0	3.10861	220424900	4010225	105
08/22/2017 22:46:31	16.67255	16.69227	16.65161	731.09997	731.09997	731.09997	22.06348	22.1	22	18.96985	19	18.7	26.82309	27.09842	26.54426	3.09362	3.4	3	3.19205	0.00883	3.19166	220424900	4010225	105
08/22/2017 22:51:31	16.67418	16.69723	16.65916	731.00232	731.09997	730.89996	21.93318	22	21.7	18.96722	19	18.7	26.76082	26.95988	26.51655	2.96596	3.3	2.7	3.27541	0.0442	3.27527	220424900	4010225	105
08/22/2017 22:56:31	16.67418	16.69723	16.65916	731.00232	731.09997	730.89996	21.93318	22	21.7	18.96722	19	18.7	26.76082	26.95988	26.51655	2.96596	3.3	2.7	3.35879	0	3.35833	220424900	4010225	105
08/22/2017 23:01:31	16.67686	16.69198	16.65891	731.07391	731.09997	731	21.79306	22	21.7	18.60335	18.7	18.6	26.64601	27.0153	26.40572	3.18971	3.4	3	3.44219	0.0393	3.44194	220424900	4010225	105
08/22/2017 23:06:31	16.67686	16.69198	16.65891	731.07391	731.09997	731	21.79306	22	21.7	18.60335	18.7	18.6	26.64601	27.0153	26.40572	3.18971	3.4	3	3.52557	0.0393	3.525	220424900	4010225	105
08/22/2017 23:11:31	16.67492	16.68825	16.65271	730.98693	731	730.89996	21.69326	21.7	21.6	18.58993	18.6	18.5	26.6432	26.95988	26.35031	3.10333	3.2	3	3.60895	0	3.60861	220424900	4010225	105
08/22/2017 23:16:31	16.67492	16.68825	16.65271	730.98693	731	730.89996	21.69326	21.7	21.6	18.58993	18.6	18.5	26.6432	26.95988	26.35031	3.10333	3.2	3	3.69232	0.0393	3.69166	220424900	4010225	105
08/22/2017 23:21:31	16.67461	16.69198	16.65271	731	731	731	21.68699	21.7	21.6	18.52656	18.6	18.4	26.95103	27.29238	26.57197	3.16042	3.3	3	3.7757	0.0957	3.77527	220424900	4010225	105
08/22/2017 23:26:31	16.67543	16.703	16.65752	730.98791	731	730.89996	21.6235	21.7	21.6	18.50376	18.6	18.4	27.2607	27.59717	26.90446	3.11974	3.3	3	3.85908	0	3.85833	220424900	4010225	105
08/22/2017 23:31:31	16.67609	16.69679	16.65271	730.97583	731	730.89996	21.607	21.7	21.5	18.5066	18.6	18.4	27.75571	28.12362	27.45863	3.1004	3.2	3	3.94244	0.06144	3.94194	220424900	4010225	105
08/22/2017 23:36:31	16.67609	16.69679	16.65271	730.97583	731	730.89996	21.607	21.7	21.5	18.5066	18.6	18.4	27.75571	28.12362	27.45863	3.1004	3.2	3	4.02581	0	4.025	220424900	4010225	105
08/22/2017 23:41:31	16.6752	16.69446	16.65036	730.92437	731	730.89996	21.62352	21.7	21.6	18.5765	18.7	18.5	27.80881	28.04049	27.56946	3.04701	3.2	2.9	4.10919	0.06145	4.10833	220424900	4010225	105
08/22/2017 23:46:31	16.67613	16.70067	16.65036	730.91742	731	730.89996	21.64027	21.7	21.6	18.64366	18.7	18.6	27.61628	27.95737	27.23696	2.99661	3.1	2.9	4.19257	0.00397	4.19166	220424900	4010225	105
08/22/2017 23:51:31	16.67693	16.70827	16.64306	730.93017	731	730.89996	21.66003	21.7	21.6	18.74321	19	18.7	27.35516	27.76341	26.98759	2.91682	3	2.6	4.27595	0.03935	4.275	220424900	4010225	105
08/22/2017 23:56:31	16.67544	16.70827	16.65307	730.89996	730.89996	730.89996	21.6299	21.7	21.6	18.93954	19	18.7	26.97091	27.23696	26.6828	2.69035	3	2.6	4.35934	0.03937	4.35861	220424900	4010225	105
08/23/2017 00:01:31	16.67544	16.70827	16.65307	730.89996	730.89996	730.89996	21.6299	21.7	21.6	18.93954	19	18.7	26.97091	27.23696	26.6828	2.69035	3	2.6	4.44271	0	4.44166	220424900	4010225	105
08/23/2017 00:06:31	16.67534	16.69723	16.65307	730.89795	730.89996	730.79998	21.6302	21.7	21.6	18.98068	19	18.8	26.8325	27.15384	26.51655	2.64952	3	2.6	4.5261	0.01721	4.52527	220424900	4010225	105
08/23/2017 00:11:31	16.67616	16.69723	16.65172	730.89795	730.89996	730.79998	21.61646	21.7	21.6	18.79942	19	18.7	26.76231	27.043	26.51655	2.81704	3	2.6	4.60948	0.02697	4.60861	220424900	4010225	105
08/23/2017 00:16:31	16.67669	16.69723	16.65656	730.88281	730.89996	730.79998	21.61008	21.7	21.6	18.73319	19	18.7	26.8123	27.07071	26.46114	2.87689	3	2.6	4.69284	0.03932	4.69194	220424900	4010225	105
08/23/2017 00:21:31	16.67669	16.69723	16.65656	730.88281	730.89996	730.79998	21.61008	21.7	21.6	18.73319	19	18.7	26.8123	27.07071	26.46114	2.87689	3	2.6	4.77619	0.02212	4.775	220424900	4010225	105
08/23/2017 00:26:31	16.67378	16.69446	16.65903	730.88397	730.89996	730.79998	21.60671	21.7	21.6	18.60972	18.7	18.5	26.94885	27.23696	26.62738	2.99698	3.1	2.9	4.85954	0	4.85861	220424900	4010225	105
08/23/2017 00:31:31	16.67378	16.69446	16.65903	730.88397	730.89996	730.79998	21.60671	21.7	21.6	18.60972	18.7	18.5	26.94885	27.23696	26.62738	2.99698	3.1	2.9	4.94291	0.03928	4.94166	220424900	4010225	105
08/23/2017 00:36:31	16.67628	16.69057	16.65613	730.99798	731	730.89996	21.59664	21.6	21.5	18.28997	18.4	18.1	27.51518	28.0682	26.95988	3.30666	3.5	3.19999	5.02628	0.01706	5.02527	220424900	4010225	105
08/23/2017 00:41:31	16.67346	16.68915	16.64371	731	731	731	21.54623	21.6	21.4	17.9338	18.2	17.6	27.51518	28.0682	26.95988	3.30666	4	3.3	5.10964	0.03919	5.10861	220424900	4010225	105
08/23/2017 00:46:31	16.67346	16.68915	16.64371	731	731	731	21.54623	21.6	21.4	17.9338	18.2	17.6	27.82598	28.09591	27.51404	3.61243	4	3.3	5.19301	0.02222	5.19166	220424900	4010225	105
08/23/2017 00:51:31	16.67281	16.68954	16.65037	731	731	731	21.3174	21.4	21.1	17.41008	17.5	17.3	27.34716	27.62487	27.07071	3.90732	4.09999	3.69999	5.27636	0	5.27527	220424900	4010225	105
08/23/2017 00:56:31	16.67281	16.68954	16.65037	731	731	731	21.3174	21.4	21.1	17.41008	17.5	17.3	27.34716	27.62487	27.07071	3.90732	4.09999	3.69999	5.35974	0.02222	5.35833	220424900	4010225	105
08/23/2017 01:01:31	16.67511	16.68805	16.65512	731	731	731	21.08699	21.3	21	17.3135	17.4	17.2	27.11765	27.48633	26.79363	3.77349	4	3.69999	5.44309	0.11726	5.44166	220424900	4010225	105
08/23/2017 01:06:31	16.67449	16.69597	16.65214	730.97076	731	730.89996	20.77356	20.8	20.7	16.86639	17	16.7	26.74224	27.0153	26.35031	3.90717	4.1	3.8	5.52647	0.0559	5.52527	220424900	4010225	105
08/23/2017 01:11:31	16.67449	16.69597	16.65214	730.97076	731	730.89996	20.77356	20.8	20.7	16.86639	17	16.7	26.74224	27.0153	26.35031	3.90717	4.1	3.8	5.60984	0.02226	5.60833	220424900	4010225	105
08/23/2017 01:16:31	16.67479	16.6922	16.65933	730.95739	731	730.89996	20.73312	20.8	20.7	16.80928	16.9	16.7	26.82686	27.26467	26.40572	3.92383	4.1	3.8	5.6932	0.00883	5.69166	220424900	4010225	105
08/23/2017 01:21:31	16.67385	16.69443	16.66157	730.97882	731	730.89996	20.76335	20.8	20.7	16.6736	16.7	16.6	27.57601	27.95737	27.26467	4.08974	4.2	4	5.77656	0.02228	5.77527	220424900	4010225	105
08/23/2017 01:26:31	16.67385	16.69443	16.66157	730.97882	731	730.89996	20.76335	20.8	20.7	16.6736	16.7	16.6	27.57601	27.95737	27.26467	4.08974	4.2	4	5.85991	0.04457	5.85833	220424900	4010225	105
08/23/2017 01:31:31	16.67717	16.69065	16.65379	730.97778	731	730.89996	20.7765	20.8	20.7	16.54626	16.6	16.4	27.77576	28.04049	27.51404	4.23024	4.4	4.1	5.9433	0	5.94194	220424900	4010225	105
08/23/2017 01:36:31	16.67717	16.69065	16.65379	730.97778	731	730.89996	20.7765	20.8	20.7	16.54626	16.6	16.4	27.77576	28.04049	27.51404	4.23024	4.4	4.1	6.02667	0.01344	6.02527	220424900	4010225	105
08/23/2017 01:41:31	16.67636	16.69065	16.65533	730.99304	731	730.89996	20.77312	20.8	20.7	16.5673	16.7	16.4	27.66225	27.95737	27.3755	4.20582	4.4	4.1	6.11006	0.03903	6.10833	220424900	4010225	105
08/23/2017 01:46:31	16.67708	16.7016	16.65626	730.89996	730.89996	730.89996	20.79999	20.9	20.7	16.52279	16.7	16.4	27.58021	27.81883	27.32009	4.2772	4.49999	4.1	6.19345	0.01676	6.19194	220424900	4010225	105
08/23/2017 01:51:31	16.67708	16.7016	16.65626	730.89996	730.89996	730.89996	20.79999	20.9	20.7	16.52279	16.7	16.4	27.58021	27.81883	27.32009	4.2772	4.49999	4.1	6.27683	0.03342	6.275	220424900	4010225	105
08/23/2017 01:56:31	16.67733	16.7016	16.65781	730.89996	730.89996	730.89996	20.80335	20.9	20.8	16.5613	16.7	16.4	27.51896	27.87425	27.23696	4.24204	4.49999	4.1	6.36021	0.00559	6.35833	220424900	4010225	105
08/23/2017 02:01:31	16.67779	16.7016	16.65626	730.89996	730.89996	730.89996	20.80672	20.9	20.7	16.42687	16.6	16.4	27.49127	27.79112	27.15384	4.37984	4.49999	4.2	6.44359	0	6.44194	220424900	4010225	105
08/23/2017 02:06:31	16.67779	16.7016	16.65626	730.89996	730.89996	730.89996	20.80672	20.9	20.7	16.42687	16.6	16.4	27.49127	27.79112	27.15384	4.37984	4.49999	4.2	6.52695	0	6.525	220424900	4010225	105
08/23/2017 02:11:31	16.67452	16.69313	16.64779	730.79998	730.79998	730.79998	20.79036	20.8	20.7	16.44698	16.6	16.4	27.4349	27.65258	27.18155	4.34337	4.4	4.1	6.61031	0	6.60861	220424900	4010225	105
08/23/2017 02:16:31	16.67452	16.69313	16.64779	730.79998	730.79998	730.79998	20.79036	20.8	20.7	16.44698	16.6	16.4	27.4349	27.65258	27.18155	4.34337	4.4	4.1	6.69367	0.0781	6.69166	220424900	4010225	105
08/23/2017 02:21:31	16.67439	16.70408	16.64779	730.79998	730.79998	730.79998	20.79665	20.9	20.7	16.48642	16.6	16.4	27.41984	27.65258	27.18155	4.31023	4.4	4.1	6.77703	0.03901	6.77527	220424900	4010225	105
08/23/2017 02:26:31	16.67376	16.70657	16.66121	730.69995	730.69995	730.69995	20.78992	20.8	20.7	16.57044	16.7	16.4	27.47757	27.7357	27.09842	4.21947	4.4	4.1	6.86041	0.00557	6.85861	220424900	4010225	105
08/23/2017 02:31:31	16.67376	16.70657	16.66121	730.69995	730.69995	730.69995	20.78992	20.8	20.7	16.57044	16.7	16.4	27.47757	27.7357	27.09842	4.21947	4.4	4.1	6.94379	0.06131	6.94166	220424900	4010225	105
08/23/2017 02:36:31	16.67501	16.70187	16.65027	730.69995	730.69995	730.69995	20.81344	21	20.8	16.6197	16.7	16.4	27.48004	27.76341	27.18155	4.19374	4.4	4.1	7.02716	0.04458	7.025	220424900	4010225	105
08/23/2017 02:41:31	16.67315	16.69561	16.65027	730.69995	730.69995	730.69995	20.80001	21	20.7	16.43677	16.6	16.3	27.45844	27.708	27.20925	4.36325	4.6	4.1	7.11051	0.09482	7.10861	220424900	4010225	105
08/23/2017 02:46:31	16.67461	16.69247	16.65496	730.69995	730.69995	730.69995	20.76638	20.9	20.7	16.26317	16.4	16.1	27.44234	27.7357	27.18155	4.50321	4.7	4.4	7.19388	0.01667	7.19194	220424900	4010225	105
08/23/2017 02:51:31	16.67461	16.69247	16.65496	730.69995	730.69995	730.69995	20.76638	20.9	20.7	16.26317	16.4	16.1	27.44234	27.7357	27.18155	4.50321	4.7	4.19999	7.27725	0.02231	7.275	220424900	4010225	105
08/23/2017 02:56:31	16.67506	16.69714	16.6534	730.69995	730.69995	730.69995	20.69135	20.8	20.4	16.10592	16.3	16	27.42595	27.708	27.15384	4.58542	4.7	4.19999	7.36061	0.01668	7.35833	220424900	4010225	105
08/23/2017 03:01:31	16.6755	16.70121	16.65588	730.6322	730.69995	730.59997	20.4698	20.7	20.3	16.14703	16.3	16	27.23125	27.45863	26.95988	4.32277	4.6	4.09999	7.44399	0.02452	7.44194	220424900	4010225	105
08/23/2017 03:06:31	16.6755	16.70121	16.65588	730.6322	730.69995	730.59997	20.4698	20.7	20.3	16.14703	16.3	16	27.23125	27.45863	26.95988	4.32277	4.6	4.09999	7.52736	0	7.525	220424900	4010225	105
08/23/2017 03:11:31	16.67575	16.69962	16.65588	730.63421	730.69995	730.59997	20.41727	20.5	20.3	16.11306	16.3	16	27.19905	27.54175	26.87676	4.30421	4.5	4.19999	7.61074	0.03895	7.60833	220424900	4010225	105
08/23/2017 03:16:31	16.67581	16.7018	16.65808	730.65625	730.69995	730.59997	20.3563	20.5	20.2	16.06016	16.2	16	27.13055	27.43092	26.79363	4.29613	4.5	4	7.69412	0.02234	7.69166	220424900	4010225	105
08/23/2017 03:21:31	16.67459	16.70266	16.65023	730.6939	730.69995	730.59997	20.32641	20.5	20.3	15.86332	16.1	15.6	27.05392	27.29238	26.79363	4.46308	4.7	4.2	7.77749	0.03888	7.775	220424900	4010225	105
08/23/2017 03:26:31	16.67522	16.69474	16.64862	730.61102	730.69995	730.59997	20.18427	20.3	19.9	15.45296	15.6	15.4	26.97118	27.32009	26.62738	4.73131	4.9	4.4	7.86086	0.11669	7.85861	220424900	4010225	105
08/23/2017 03:31:31	16.67522	16.69474	16.64862	730.61102	730.69995	730.59997	20.18427	20.3	19.9	15.45296	15.6	15.4	26.97118	27.32009	26.62738	4.73131	4.9	4.4	7.94424	0.02239	7.94166	220424900	4010225	105
08/23/2017 03:36:31	16.67583	16.69937	16.64783	730.59997	730.59997	730.59997	20.07811	20.3	19.8	15.34063	15.5	15.1	27.28212	27.76341	26.79363	4.73748	5	4.3	8.02762	0.01059	8.025	220424900	4010225	105
08/23/2017 03:41:31	16.67653	16.69937	16.65574	730.59997	730.59997	730.59997	19.76301	19.9	19.6	15.40742	15.5	15.2	27.99069	28.37299	27.59717	4.35558	4.6	4.19999	8.11099	0.03888	8.10861	220424900	4010225	105
08/23/2017 03:46:31	16.67653	16.69937	16.65574	730.59997	730.59997	730.59997	19.76301	19.9	19.6	15.40742	15.5	15.2	27.99069	28.37299	27.59717	4.35558	4.6	4.19999	8.19437	0.02828	8.19166	220424900	4010225	105
08/23/2017 03:51:31	16.67647	16.71028	16.64783	730.59997	730.59997	730.59997	19.71344	19.8	19.6	15.2733	15.5	15.1	28.24276	28.51153	27.92966	4.44014	4.7	4.19999	8.27774	0.03886	8.275	220424900	4010225	105
08/23/2017 03:56:31	16.67485	16.69142	16.65245	730.59997	730.59997	730.59997	19.64002	19.7	19.5	15.08032	15.2	15	28.14263	28.48382	27.87425	4.55969	4.6	4.4	8.36112	0.03882	8.35861	220424900	4010225	105
08/23/2017 04:01:31	16.67485	16.69142	16.65245	730.59997	730.59997	730.59997	19.64002	19.7	19.5	15.08032	15.2	15	28.14263	28.48382	27.87425	4.55969	4.6	4.4	8.44448	0.02239	8.44166	220424900	4010225	105
08/23/2017 04:06:31	16.67452	16.70063	16.65707	730.59997	730.59997	730.59997	19.54623	19.6	19.5	14.98668	15.1	14.8	27.98924	28.20674	27.79112	4.55955	4.7	4.4	8.52793	0.02241	8.52527	220424900	4010225	105
08/23/2017 04:11:31	16.67452	16.70063	16.65707	730.59997	730.59997	730.59997	19.54623	19.6	19.5	14.98668	15.1	14.8	27.98924	28.20674	27.79112	4.55955	4.7	4.4	8.61138	0.02241	8.60833	220424900	4010225	105
08/23/2017 04:16:31	16.67321	16.69433	16.64911	730.59997	730.59997	730.59997	19.36387	19.5	19.2	14.72706	14.9	14.6	27.87767	28.0682	27.62487	4.63681	4.9	4.4	8.69483	0	8.69194	220424900	4010225	105
08/23/2017 04:21:31	16.67321	16.69433	16.64911	730.59997	730.59997	730.59997	19.36387	19.5	19.2	14.72706	14.9	14.6	27.87767	28.0682	27.62487	4.63681	4.9	4.4	8.77828	0	8.775	220424900	4010225	105
08/23/2017 04:26:31	16.67241	16.69433	16.64911	730.59997	730.59997	730.59997	19.23744	19.3	19.1	14.64699	14.8	14.6	27.75434	28.01278	27.48633	4.59045	4.7	4.3	8.86172	0.03274	8.85833	220424900	4010225	105
08/23/2017 04:31:31	16.67284	16.70522	16.64911	730.59997	730.59997	730.59997	19.16606	19.3	19.1	14.66621	14.8	14.6	27.74669	28.01278	27.45863	4.49985	4.7	4.3	8.94515	0.03882	8.94166	220424900	4010225	105
08/23/2017 04:36:31	16.676	16.70063	16.65493	730.59307	730.59997	730.5	19.10336	19.2	19.1	14.85952	15	14.6	27.61808	27.95737	27.3755	4.24383	4.5	4.1	9.02859	0.0164	9.02527	220424900	4010225	105
08/23/2017 04:41:31	16.676	16.70063	16.65493	730.59307	730.59997	730.5	19.10336	19.2	19.1	14.85952	15	14.6	27.61808	27.95737	27.3755	4.24383	4.5	4.1	9.11204	0.04484	9.10833	220424900	4010225	105
08/23/2017 04:46:31	16.67458	16.69433	16.65954	730.56671	730.59997	730.5	19.09663	19.1	19	14.85673	15	14.6	27.60191	27.92966	27.32009	4.2399	4.5	4.1	9.19551	0	9.19166	220424900	4010225	105
08/23/2017 04:51:31	16.67412	16.69681	16.65999	730.50708	730.59997	730.5	19.09374	19.2	19	14.71269	14.8	14.6	27.64579	27.98507	27.40321	4.38105	4.5	4.2	9.27896	0.03878	9.27527	220424900	4010225	105
08/23/2017 04:56:32	16.67353	16.6951	16.66246	730.5	730.5	730.5	19.07025	19.1	19	14.61277	14.8	14.6	27.63308	27.81883	27.40321	4.45748	4.5	4.3	9.36238	0.07759	9.35861	220424900	4010225	105
08/23/2017 05:01:31	16.67353	16.6951	16.66246	730.5	730.5	730.5	19.07025	19.1	19	14.61277	14.8	14.6	27.63308	27.81883	27.40321	4.45748	4.5	4.3	9.44579	0.02244	9.44166	220424900	4010225	105
08/23/2017 05:06:31	16.67526	16.6888	16.65828	730.59002	730.59997	730.5	19.01006	19.1	18.9	14.46688	14.5	14.4	27.54524	27.84654	27.18155	4.47394	4.69999	4.4	9.52918	0.02244	9.52527	220424900	4010225	105
08/23/2017 05:11:31	16.67526	16.6888	16.65828	730.59002	730.59997	730.5	19.01006	19.1	18.9	14.46688	14.5	14.4	27.54524	27.84654	27.18155	4.54318	4.69999	4.4	9.6126	0.03875	9.60833	220424900	4010225	105
08/23/2017 05:16:31	16.6749	16.6909	16.66915	730.59796	730.59997	730.5	18.82701	19	18.7	14.42316	14.5	14.4	27.41407	27.708	27.15384	4.40384	4.6	4.2	9.69597	0.03875	9.69194	220424900	4010225	105
08/23/2017 05:21:31	16.6749	16.6909	16.66915	730.59796	730.59997	730.5	18.82701	19	18.7	14.42316	14.5	14.4	27.41407	27.708	27.15384	4.40384	4.6	4.2	9.77933	0	9.775	220424900	4010225	105
08/23/2017 05:26:31	16.67475	16.6909	16.66915	730.59613	730.59997	730.5	18.72016	19	18.6	14.40335	14.5	14.4	27.38194	27.59717	27.15384	4.31681	4.6	4.19999	9.86279	0.03878	9.85833	220424900	4010225	105

08/23/2017 05:31:31	16.67541	16.6951	16.64988	730.50103	730.59997	730.5	18.7168	18.9	18.6	14.51379	14.6	14.4	27.32383	27.62487	27.07071	4.203	4.49999	4.1	9.94621	0.00607	9.94166	220424900	4010225	105
08/23/2017 05:36:31	16.67443	16.68593	16.65158	730.5	730.5	730.5	18.72691	18.9	18.7	14.65709	14.8	14.5	27.3391	27.56946	27.07071	4.06981	4.3	3.9	10.02963	0.03882	10.025	220424900	4010225	105
08/23/2017 05:41:31	16.67481	16.69681	16.65158	730.5	730.5	730.5	18.81947	19	18.7	14.77313	14.9	14.6	27.39215	27.68029	27.15384	4.04633	4.4	3.8	10.11305	0	10.10833	220424900	4010225	105
08/23/2017 05:46:31	16.67576	16.69222	16.65954	730.5	730.5	730.5	19.00334	19.1	18.9	14.97291	15.1	14.9	27.50853	27.84654	27.29238	4.03043	4.1	3.9	10.19649	0.0224	10.19194	220424900	4010225	105
08/23/2017 05:51:31	16.67576	16.69222	16.65954	730.5	730.5	730.5	19.00334	19.1	18.9	14.97291	15.1	14.9	27.50853	27.84654	27.29238	4.03043	4.1	3.9	10.27991	0.06122	10.275	220424900	4010225	105
08/23/2017 05:56:31	16.67575	16.6939	16.66121	730.50402	730.59997	730.5	19.09663	19.2	19	15.03025	15.1	15	27.67652	27.92966	27.40321	4.06638	4.1	3.9	10.36332	0.07774	10.35861	220424900	4010225	105
08/23/2017 06:01:31	16.67575	16.6939	16.66121	730.50402	730.59997	730.5	19.09663	19.2	19	15.03025	15.1	15	27.67652	27.92966	27.40321	4.06638	4.1	3.9	10.44673	0.01645	10.44166	220424900	4010225	105
08/23/2017 06:06:31	16.67458	16.6939	16.65245	730.54016	730.59997	730.5	19.12016	19.2	19	15.04708	15.1	15	27.741	28.04049	27.29238	4.07307	4.2	3.9	10.53012	0.02239	10.525	220424900	4010225	105
08/23/2017 06:11:31	16.6749	16.69142	16.65873	730.59088	730.59997	730.5	19.17649	19.3	19.1	15.0462	15.1	15	27.78263	28.04049	27.54175	4.13028	4.3	4	10.61347	0.03886	10.60833	220424900	4010225	105
08/23/2017 06:16:31	16.6752	16.69142	16.65245	730.59997	730.59997	730.59997	19.25006	19.3	19.1	15.09328	15.1	15	27.87464	28.15133	27.62487	4.15678	4.3	4	10.69682	0	10.69194	220424900	4010225	105
08/23/2017 06:21:31	16.6752	16.69142	16.65245	730.59997	730.59997	730.59997	19.25006	19.3	19.1	15.09328	15.1	15	27.87464	28.15133	27.62487	4.15678	4.3	4	10.78021	0.03882	10.775	220424900	4010225	105
08/23/2017 06:26:32	16.67427	16.69142	16.66335	730.59997	730.59997	730.59997	19.25967	19.3	19.2	14.99949	15.1	14.9	27.91319	28.28987	27.68029	4.26018	4.3	4.2	10.86362	0	10.85861	220424900	4010225	105
08/23/2017 06:31:31	16.67427	16.69142	16.66335	730.59997	730.59997	730.59997	19.25967	19.3	19.2	14.99949	15.1	14.9	27.91319	28.28987	27.68029	4.26018	4.5	4.1	10.94702	0.0164	10.94166	220424900	4010225	105
08/23/2017 06:36:32	16.67636	16.68974	16.65707	730.63025	730.69995	730.59997	19.22991	19.3	19.2	14.92015	15	14.8	27.85298	28.15133	27.54175	4.30976	4.4	4.2	11.03047	0.03882	11.02527	220424900	4010225	105
08/23/2017 06:41:31	16.67636	16.68974	16.65707	730.63025	730.69995	730.59997	19.22991	19.3	19.2	14.92015	15	14.8	27.85298	28.15133	27.54175	4.30976	4.4	4.2	11.1139	0.0388	11.10833	220424900	4010225	105
08/23/2017 06:46:31	16.67456	16.68974	16.65751	730.63226	730.69995	730.59997	19.21678	19.3	19.1	14.82354	14.9	14.6	27.82166	28.0682	27.59717	4.39323	4.7	4.4	11.19735	0	11.19194	220424900	4010225	105
08/23/2017 06:51:31	16.67209	16.69262	16.64911	730.61908	730.69995	730.59997	19.16014	19.3	19.1	14.61947	14.8	14.6	27.82167	28.09591	27.62487	4.54067	4.7	4.4	11.28081	0	11.275	220424900	4010225	105
08/23/2017 06:56:31	16.67201	16.69262	16.6621	730.61291	730.69995	730.59997	19.09998	19.2	19	14.60001	14.8	14.5	27.73919	28.0682	27.3755	4.49996	4.6	4.4	11.36422	0.01634	11.35861	220424900	4010225	105
08/23/2017 07:01:31	16.67485	16.70102	16.6621	730.69085	730.69995	730.59997	19.08992	19.1	19	14.55328	14.6	14.5	27.69575	27.92966	27.48633	4.53663	4.6	4.4	11.44768	0.00612	11.44166	220424900	4010225	105
08/23/2017 07:06:32	16.67276	16.69472	16.6642	730.72918	730.79998	730.69995	19.0131	19.1	19	14.49043	14.5	14.4	27.58035	27.92966	27.29238	4.52266	4.6	4.5	11.53115	0	11.52527	220424900	4010225	105
08/23/2017 07:11:31	16.67276	16.69472	16.6642	730.72918	730.79998	730.69995	19.0131	19.1	19	14.49043	14.5	14.4	27.58035	27.92966	27.29238	4.52266	4.6	4.5	11.61461	0	11.60833	220424900	4010225	105
08/23/2017 07:16:32	16.67372	16.69224	16.6642	730.79998	730.79998	730.79998	18.95325	19	18.7	14.54318	14.6	14.4	27.52508	27.76341	27.32009	4.41007	4.5	4.1	11.69809	0	11.69194	220424900	4010225	105
08/23/2017 07:21:31	16.67372	16.69224	16.6642	730.79998	730.79998	730.79998	18.95325	19	18.7	14.54318	14.6	14.4	27.52508	27.76341	27.32009	4.41007	4.5	4.1	11.78153	0.07754	11.775	220424900	4010225	105
08/23/2017 07:26:31	16.67691	16.70025	16.66591	730.79998	730.79998	730.79998	19.00335	19.1	18.9	14.61007	14.8	14.5	27.61044	27.87425	27.29238	4.39328	4.5	4.2	11.86496	0.03273	11.85833	220424900	4010225	105
08/23/2017 07:31:32	16.67504	16.70655	16.66301	730.80603	730.89996	730.79998	19.16004	19.3	19.1	14.87648	14.9	14.8	27.85713	28.09591	27.51404	4.28356	4.4	4.19999	11.94841	0	11.94194	220424900	4010225	105
08/23/2017 07:36:31	16.67504	16.70655	16.66301	730.80603	730.89996	730.79998	19.16004	19.3	19.1	14.87648	14.9	14.8	27.85713	28.09591	27.51404	4.28356	4.4	4.19999	12.03179	0.03882	12.025	220424900	4010225	105
08/23/2017 07:41:32	16.67532	16.70196	16.6584	730.81494	730.89996	730.79998	19.39905	19.5	19.3	15.05324	15.1	15	28.1421	28.4007	27.84654	4.34581	4.5	4.2	12.11517	0.00882	12.10861	220424900	4010225	105
08/23/2017 07:46:31	16.67532	16.70196	16.6584	730.81494	730.89996	730.79998	19.39905	19.5	19.3	15.05324	15.1	15	28.1421	28.4007	27.84654	4.34581	4.5	4.2	12.19857	0.06125	12.19166	220424900	4010225	105
08/23/2017 07:51:31	16.67343	16.69193	16.65131	730.89996	730.89996	730.89996	19.52353	19.6	19.5	15.13362	15.4	15.1	28.23984	28.53924	27.92966	4.3899	4.6	4.19999	12.282	0.02237	12.27527	220424900	4010225	105
08/23/2017 07:56:31	16.67269	16.69193	16.65131	730.89996	730.89996	730.89996	19.63342	19.7	19.5	15.31302	15.5	15.1	28.33941	28.59466	28.09591	4.3204	4.6	4.19999	12.36542	0.1167	12.35833	220424900	4010225	105
08/23/2017 08:01:32	16.67465	16.70201	16.65211	730.99694	731	730.89996	19.84546	20.1	19.7	15.56336	15.6	15.5	27.54184	27.92966	27.18155	4.25628	4.6	4.1	12.44878	0.07777	12.44194	220424900	4010225	105
08/23/2017 08:06:32	16.67562	16.69738	16.65372	731	731	731	20.01993	20.2	19.8	15.64988	15.7	15.6	27.19632	27.56946	26.76592	4.37005	4.5	4.1	12.53215	0	12.52527	220424900	4010225	105
08/23/2017 08:11:31	16.67562	16.69738	16.65372	731	731	731	20.01993	20.2	19.8	15.64988	15.7	15.6	27.19632	27.56946	26.76592	4.37005	4.5	4.1	12.61556	0.00783	12.60833	220424900	4010225	105
08/23/2017 08:16:32	16.67467	16.69738	16.65837	730.98407	731	730.89996	20.15663	20.3	20.1	15.7654	16.1	15.6	27.1921	27.59717	26.90446	4.39122	4.3	3.49999	12.69898	0.07815	12.69194	220424900	4010225	105
08/23/2017 08:21:31	16.67571	16.69844	16.65313	730.95727	731	730.89996	20.28886	20.5	20.1	16.44581	16.9	16	27.35309	27.68029	27.0153	3.84304	4.3	3.49999	12.78237	0.03914	12.775	220424900	4010225	105
08/23/2017 08:26:32	16.67482	16.69429	16.64741	731	731	731	20.55219	20.8	20.3	17.1189	17.4	16.9	27.72643	28.12362	27.32009	3.43328	4.1	3.3	12.8658	0	12.85833	220424900	4010225	105
08/23/2017 08:31:31	16.67481	16.69902	16.64741	730.96868	731	730.89996	20.97662	21.3	20.8	17.2676	17.5	17	28.13895	28.67777	27.76341	3.70901	4.1	3.3	12.94922	0.02221	12.94166	220424900	4010225	105
08/23/2017 08:36:32	16.6757	16.70151	16.63892	730.93103	731	730.89996	21.35283	21.6	21.1	17.28341	17.5	16.9	27.30939	27.81883	26.71051	4.06942	4.4	3.8	13.03262	0.02759	13.025	220424900	4010225	105
08/23/2017 08:41:31	16.67537	16.69677	16.64988	730.96691	731	730.89996	21.63733	21.9	21.5	17.30235	17.6	17	27.46925	27.79112	27.07071	4.33498	4.7	3.9	13.11604	0.02221	13.10833	220424900	4010225	105
08/23/2017 08:46:32	16.67493	16.69973	16.65285	730.89996	730.89996	730.89996	21.99426	22.1	21.7	17.45019	17.8	17.3	27.72474	28.01278	27.3755	4.54406	4.7	4.2	13.19946	0	13.19166	220424900	4010225	105
08/23/2017 08:51:32	16.67593	16.69249	16.6485	730.99493	731	730.89996	22.51023	22.7	22.2	17.98884	18.2	17.8	28.34748	28.73319	27.98507	4.52138	4.7	4.1	13.28291	0.0341	13.27527	220424900	4010225	105
08/23/2017 08:56:31	16.67593	16.69249	16.6485	730.99493	731	730.89996	22.51023	22.7	22.2	17.98884	18.2	17.8	28.34748	28.73319	27.98507	4.52138	4.7	4.1	13.36631	0.01709	13.35833	220424900	4010225	105
08/23/2017 09:01:32	16.67727	16.70159	16.66092	730.99902	731	730.89996	22.99642	23.2	22.9	18.30262	18.6	18.1	27.42633	27.90195	26.98759	4.69379	5	4.49999	13.44972	0.06144	13.44194	220424900	4010225	105
08/23/2017 09:06:32	16.67727	16.70159	16.66092	730.99902	731	730.89996	22.99642	23.2	22.9	18.30262	18.6	18.1	27.42633	27.90195	26.98759	4.69379	5	4.49999	13.53319	0.01721	13.525	220424900	4010225	105
08/23/2017 09:11:31	16.6763	16.69585	16.65656	730.96087	731	730.89996	23.28298	23.5	23.1	18.63587	19	18.5	27.53415	27.95737	27.18155	4.64711	4.8	4.5	13.61663	0	13.60833	220424900	4010225	105
08/23/2017 09:16:32	16.67534	16.69522	16.66059	730.9613	731	730.89996	24.0192	24.3	23.8	19.57359	20	19.3	28.36874	28.65007	28.04049	4.4456	4.7	4.1	13.70006	0.02203	13.69194	220424900	4010225	105
08/23/2017 09:21:32	16.67534	16.69522	16.66059	730.9613	731	730.89996	24.0192	24.3	23.8	19.57359	20	19.3	28.36874	28.65007	28.04049	4.4456	4.7	4.1	13.7835	0.00459	13.775	220424900	4010225	105
08/23/2017 09:26:31	16.67452	16.69779	16.6571	730.99701	731	730.89996	24.47985	24.7	24.3	19.8406	20.3	19.7	27.63231	28.45611	27.043	4.63925	4.9	4.3	13.86693	0.03954	13.85833	220424900	4010225	105
08/23/2017 09:31:32	16.67601	16.69161	16.65958	730.95477	731	730.89996	24.82977	25	24.6	20.06284	20.3	19.8	27.61205	27.98507	27.20925	4.76693	5.3	4.69999	13.95036	0.022	13.94194	220424900	4010225	105
08/23/2017 09:36:32	16.67539	16.69536	16.6596	730.97277	731	730.89996	25.53989	25.7	25.3	20.38968	20.5	20.2	28.38132	28.84403	27.95737	5.15021	5.4	5	14.03381	0.07912	14.02527	220424900	4010225	105
08/23/2017 09:41:31	16.67539	16.69536	16.6596	730.97277	731	730.89996	25.53989	25.7	25.3	20.38968	20.5	20.2	28.38132	28.84403	27.95737	5.15021	5.4	5	14.11728	0.00882	14.10833	220424900	4010225	105
08/23/2017 09:46:32	16.67557	16.69044	16.65709	730.94311	731	730.89996	25.85582	26.1	25.7	20.56866	21	20.3	28.43976	28.98256	27.90195	5.28716	5.59999	4.99999	14.20072	0.03543	14.19166	220424900	4010225	105
08/23/2017 09:51:32	16.67676	16.69897	16.66442	731	731	731	26.43899	26.7	26.3	21.27909	21.6	20.9	27.63757	27.95737	27.32009	5.1599	5.5	4.8	14.28417	0.03971	14.27527	220424900	4010225	105
08/23/2017 09:56:32	16.67676	16.69897	16.66442	731	731	731	26.43899	26.7	26.3	21.27909	21.6	20.9	27.63757	27.95737	27.32009	5.1599	5.5	4.8	14.3676	0.03494	14.35833	220424900	4010225	105
08/23/2017 10:01:32	16.67484	16.68738	16.65536	731.04113	731.09997	731	27.29032	27.4	27	22.14427	22.3	22	28.46596	28.98256	28.0682	5.14606	5.4	4.8	14.45103	0.08838	14.44194	220424900	4010225	105
08/23/2017 10:06:32	16.67484	16.68738	16.65536	731.04113	731.09997	731	27.29032	27.4	27	22.14427	22.3	22	28.46596	28.98256	28.0682	5.14606	5.4	4.8	14.53447	0.06551	14.525	220424900	4010225	105
08/23/2017 10:11:32	16.67507	16.69495	16.65536	731.09594	731.09997	731	27.63042	27.7	27.4	22.19515	22.6	22	28.3858	28.92715	27.79112	5.43526	5.69999	4.8	14.61789	0.03981	14.60833	220424900	4010225	105
08/23/2017 10:16:32	16.67544	16.69932	16.65355	731.099	731.09997	731	28.01671	28.2	27.7	22.77104	23.2	22.4	27.67641	28.26216	27.23696	5.24567	5.69999	4.8	14.7013	0	14.69166	220424900	4010225	105
08/23/2017 10:21:32	16.67587	16.69461	16.64991	731.078	731.09997	731	28.29585	28.6	28.1	22.48861	22.7	22.3	27.92514	28.23445	27.51404	5.80723	6.1	5.3	14.78472	0.02178	14.775	220424900	4010225	105
08/23/2017 10:26:32	16.67623	16.69674	16.64638	731.04516	731.09997	731	28.57288	28.7	28.3	22.87153	23.3	22.4	28.08417	28.31757	27.81883	5.70134	6.1	5.3	14.86815	0.07995	14.85833	220424900	4010225	105
08/23/2017 10:31:32	16.67503	16.69372	16.6479	731.03357	731.09997	731	29.15335	29.3	28.9	23.42691	23.6	23.3	28.71169	29.01027	28.17903	5.394	5.9	5.29999	14.95158	0.03116	14.94194	220424900	4010225	105
08/23/2017 10:36:32	16.67503	16.69372	16.6479	731.03357	731.09997	731	29.15335	29.3	28.9	23.42691	23.6	23.3	28.71169	29.01027	28.17903	5.72644	5.9	5.29999	15.03502	0.02523	15.025	220424900	4010225	105
08/23/2017 10:41:32	16.67572	16.70083	16.63768	731.00805	731.09997	731	29.37623	29.5	29.3	23.74355	24.1	23.4	28.56853	29.14881	27.95737	5.63268	6	5.4	15.11844	0.02171	15.10833	220424900	4010225	105
08/23/2017 10:46:31	16.67627	16.70694	16.65176	731	731	731	29.75002	29.9	29.5	23.98307	24.2	23.6	27.76224	28.15133	27.40321	5.76695	6.1	5.5	15.20186	0	15.19166	220424900	4010225	105
08/23/2017 10:51:32	16.67644	16.70374	16.65082	731	731	731	30.14293	30.3	30	24.23137	24.7	23.9	28.15162	28.4007	27.81883	5.91156	6.19999	5.6	15.28531	0.02168	15.27527	220424900	4010225	105
08/23/2017 10:56:32	16.67644	16.70374	16.65082	731	731	731	30.14293	30.3	30	24.23137	24.7	23.9	28.15162	28.4007	27.81883	5.91156	6.19999	5.6	15.36877	0.08034	15.35833	220424900	4010225	105
08/23/2017 11:01:32	16.67326	16.69524	16.6545	731	731	731	30.63309	30.7	30.5	24.59069	25	24.4	28.66748	29.01027	28.28987	6.04239	6.3	5.5	15.45219	0.04011	15.44194	220424900	4010225	105
08/23/2017 11:06:32	16.67326	16.69524	16.6545	731	731	731	30.63309	30.7	30.5	24.59069	25	24.4	28.66748	29.01027	28.28987	6.04239	6.3	5.5	15.53563	0.00308	15.525	220424900	4010225	105
08/23/2017 11:11:32	16.67599	16.69524	16.64661	731	731	731	30.83622	31	30.7	24.81876	25.3	24.2	28.87812	29.17652	28.56695	6.01746	6.1	5.3	15.61907	0.04318	15.60861	220424900	4010225	105
08/23/2017 11:16:31	16.67544	16.69785	16.65876	731	731	731	31.07621	31.2	31	25.36355	25.9	25	28.89506	29.37048	28.51153	5.71265	6.1	5.3	15.70248	0.07754	15.69166	220424900	4010225	105
08/23/2017 11:21:32	16.67442	16.69346	16.65188	731	731	731	31.38975	31.6	31.1	25.58751	26	25.3	28.17226	28.62236	27.56946	5.80223	6.4	5.5	15.78594	0	15.77527	220424900	4010225	105
08/23/2017 11:26:32	16.67692	16.69263	16.65876	731	731	731	31.70651	31.8	31.6	25.86639	26.3	25.2	27.98142	28.26216	27.708	5.84012	6.4	5.5	15.86938	0.08069	15.85833	220424900	4010225	105
08/23/2017 11:31:32	16.67586	16.69508	16.65956	731	731	731	31.96622	32.2	31.7	26.15152	26.5	25.9	28.34838	28.70548	27.98507	5.81469	6.09999	5.3	15.95281	0.00284	15.94166	220424900	4010225	105
08/23/2017 11:36:32	16.67679	16.69508	16.65509	730.98309	731	730.89996	32.50922	32.7	32.4	26.2318	26.6	26	28.99461	29.28736	28.70548	6.27741	6.7	5.89999	16.03626	0.0315	16.02527	220424900	4010225	105
08/23/2017 11:41:32	16.67679	16.69508	16.65509	730.98309	731	730.89996	32.50922	32.7	32.4	26.2318	26.6	26	28.99461	29.28736	28.70548	6.27741	6.3	5.5	16.11969	0.0127	16.10861	220424900	4010225	105
08/23/2017 11:46:32	16.67535	16.69738	16.65908	730.93628	731	730.89996	32.6294	32.7	32.4	26.63791	26.9	26.4	29.16022	29.39818	28.84403	5.99148	6.3	5.5	16.20314	0.02154	16.19166	220424900	4010225	105
08/23/2017 11:51:32	16.67428	16.69382	16.65833	730.89996	730.89996	730.89996	32.80954	32.9	32.7	26.5095	26.8	26.3	28.8069	29.34277	28.48382	6.30003	6.9	6	16.28656	0.0188	16.27527	220424900	4010225	105
08/23/2017 11:56:32	16.67513	16.68852	16.64775	730.89996	730.89996	730.89996	32.91008	33	32.9	26.41819	26.9	26	28.51144	28.7609	28.17903	6.4919	6.9	6	16.37002	0	16.35833	220424900	4010225	105
08/23/2017 12:01:32	16.67531	16.69529	16.65908	730.89996	730.89996	730.89996	32.97958	33.09999	32.9	27.04527	27.6	26.5	28.31223	28.65007	27.98507	5.9343	6.4	5.39999	16.45326	0.04297	16.44166	220424900	4010225	105
08/23/2017 12:06:32	16.67482	16.69067	16.65522	730.89996	730.89996	730.89996	33.28049	33.4	33.09999	27.46778	27.7	27.1	28.23249	28.48382	27.84654	5.81271	6.2	5.39999	16.53647	0.01904	16.525	220424900	4010225	105
08/23/2017 12:11:32	16.67584	16.6967	16.66326	730.87097	730.89996	730.79998	33.76651	34	33.59999	27.8803	28.1	27.5	28.82441	29.14881	28.48382	5.8862	6.09999	5.6	16.61967	0.00882	16.60861	220424900	4010225	105
08/23/2017 12:16:32	16.67584	16.6967	16.66326	730.87097	730.89996	730.79998	33.76651	34	33.59999	27.8803	28.1	27.5	28.82441	29.14881	28.48382	5.8862	6.09999	5.6	16.70288	0.1025	16.69166	220424900	4010225	105
08/23/2017 12:21:32	16.67593	16.70273	16.66261	730.89056	730.89996	730.79998	34.08724	34.2	33.9	27.83362	28.2	27.5	29.16584	29.48131	28.84403	6.25361	6.6	5.8	16.78608	0.08343	16.775	220424900	4010225	105
08/23/2017 12:26:32	16.67689	16.69738	16.65915	730.89795	730.89996	730.79998	34.22667	34.5	34.09999	28.22067	28.6	27.7	29.32598	29.59214	28.95485	6.006	6.5	5.6	16.86928	0.01043	16.85833	220424900	4010225	105
08/23/2017 12:31:32	16.67504	16.69042	16.65376	730.89215	730.89996	730.79998	34.57342	34.7	34.3	28.55238	28.7	28.3	29.23536	29.67526	28.62236	6.02104	6.4	5.5	16.95249	0.0428	16.94166	220424900	4010225	105
08/23/2017 12:36:32	16.67517	16.69279	16.65623	730.83325	730.89996	730.79998	34.76944	34.9	34.7	28.91595	29.2	28.4	28.54169	29.01027	27.98507	5.85348	6.4	5.5	17.03569	0.002	17.025	220424900	4010225	105
08/23/2017 12:41:32	16.67528	16.69279	16.65492	730.83837	730.89996	730.79998	35.02601	35.2	34.8	28.808	29.2	28.6	28.50399	28.73319	28.20674	6.218	6.5	5.89999	17.11889	0	17.10861	220424900	4010225	105

08/23/2017 12:46:32	16.67494	16.69388	16.66054	730.80096	730.89996	730.79998	35.30984	35.5	35.2	29.74465	30.4	29.2	28.64796	29.01027	28.31757	5.5652	6	5	17.20209	0.02127	17.19166	220424900	4010225	105
08/23/2017 12:51:32	16.67494	16.69679	16.65084	730.79998	730.79998	730.79998	36.07594	36.4	35.9	30.89715	31.2	30.4	29.45296	29.84151	29.03798	5.17879	5.5	4.89999	17.2853	0.04099	17.27527	220424900	4010225	105
08/23/2017 12:56:32	16.67451	16.69635	16.65505	730.78686	730.79998	730.69995	36.50647	36.59999	36.3	30.66224	31.1	30.1	29.06553	29.70297	28.4284	5.84422	6.49999	5.3	17.3685	0.04091	17.35861	220424900	4010225	105
08/23/2017 13:01:32	16.67451	16.69635	16.65505	730.78686	730.79998	730.69995	36.50647	36.59999	36.3	30.66224	31.1	30.1	29.06553	29.70297	28.4284	5.84422	6.5	5.59999	17.45171	0.01087	17.44194	220424900	4010225	105
08/23/2017 13:06:32	16.67648	16.69971	16.65201	730.78381	730.79998	730.69995	37.02606	37.2	36.9	31.09401	31.6	30.6	28.81635	29.06569	28.56695	5.93204	6.39999	5.49999	17.53491	0.04237	17.52527	220424900	4010225	105
08/23/2017 13:11:32	16.67648	16.69971	16.65201	730.78381	730.79998	730.69995	37.02606	37.2	36.9	31.09401	31.6	30.6	28.81635	29.06569	28.56695	5.93204	5.99999	5.3	17.61811	0.01105	17.60861	220424900	4010225	105
08/23/2017 13:16:32	16.67514	16.69322	16.65829	730.76263	730.79998	730.69995	37.30868	37.59999	37.2	31.6606	31.9	31.4	29.0266	29.42589	28.73319	5.64807	5.99999	5.3	17.70133	0.00883	17.69166	220424900	4010225	105
08/23/2017 13:21:32	16.67482	16.70092	16.64817	730.6969	730.79998	730.59997	37.76609	37.9	37.7	31.2552	31.6	30.8	29.37545	29.61985	29.06569	6.10801	7	6.1	17.78453	0.02119	17.77527	220424900	4010225	105
08/23/2017 13:26:32	16.67476	16.70723	16.66005	730.69488	730.69995	730.59997	37.92944	38.09999	37.8	31.83044	32.2	31.3	29.85573	30.31255	29.53673	6.09899	6.5	5.7	17.86774	0.0423	17.85861	220424900	4010225	105
08/23/2017 13:31:32	16.67476	16.70723	16.66005	730.69488	730.69995	730.59997	37.92944	38.09999	37.8	31.83044	32.2	31.3	29.85573	30.31255	29.53673	6.09899	6.5	5.7	17.95095	0.06467	17.94166	220424900	4010225	105
08/23/2017 13:36:32	16.67581	16.69044	16.65582	730.69995	730.69995	730.69995	38.45022	38.5	38.3	32.07613	32.5	31.8	28.9531	29.39818	28.53924	6.37409	6.7	5.9	18.03415	0	18.02527	220424900	4010225	105
08/23/2017 13:41:32	16.67581	16.69044	16.65582	730.69995	730.69995	730.69995	38.45022	38.5	38.3	32.07613	32.5	31.8	28.9531	29.39818	28.53924	6.37409	6.4	5.8	18.11735	0	18.10833	220424900	4010225	105
08/23/2017 13:46:32	16.6767	16.69728	16.65611	730.69995	730.69995	730.69995	38.68999	38.8	38.5	32.52689	32.9	32.3	28.97664	29.20423	28.65007	6.16309	6.4	5.8	18.20056	0.04119	18.19166	220424900	4010225	105
08/23/2017 13:51:32	16.67604	16.69107	16.66174	730.69995	730.69995	730.69995	38.88013	38.9	38.8	32.47577	32.8	32.3	29.243	29.61985	29.01027	6.40435	6.6	6.1	18.28376	0.02108	18.275	220424900	4010225	105
08/23/2017 13:56:32	16.67662	16.69755	16.65048	730.66864	730.69995	730.59997	39.01196	39.3	38.9	32.6659	33.2	32.3	29.51365	29.84151	29.20423	6.34605	6.8	5.89999	18.36697	0	18.35861	220424900	4010225	105
08/23/2017 14:01:32	16.67423	16.70292	16.65348	730.63867	730.69995	730.59997	39.33297	39.4	39	32.93082	33.2	32.6	29.74632	30.00776	29.39818	6.40215	6.8	5.89999	18.45017	0.02016	18.44166	220424900	4010225	105
08/23/2017 14:06:32	16.67381	16.69437	16.64951	730.58209	730.59997	730.5	39.65871	39.9	39.59999	32.84888	33.2	32.3	30.14524	30.39567	29.75839	6.80982	7.5	6.5	18.53337	0	18.52527	220424900	4010225	105
08/23/2017 14:11:32	16.67381	16.69437	16.64951	730.58209	730.59997	730.5	39.65871	39.9	39.59999	32.84888	33.2	32.3	30.14524	30.39567	29.75839	6.80982	7.5	6.5	18.61658	0.03971	18.60833	220424900	4010225	105
08/23/2017 14:16:32	16.67664	16.69732	16.6621	730.50439	730.59997	730.5	39.83677	39.9	39.59999	33.11561	33.6	32.5	29.82122	30.20172	29.37048	6.72115	7.2	6	18.69978	0	18.69166	220424900	4010225	105
08/23/2017 14:21:32	16.67567	16.69709	16.65029	730.50201	730.59997	730.39996	40.15355	40.2	40	33.42034	33.8	33	29.09364	29.42589	28.84403	6.7332	7.2	6.39999	18.78298	0.00884	18.77527	220424900	4010225	105
08/23/2017 14:26:32	16.67567	16.69709	16.65029	730.50201	730.59997	730.39996	40.15355	40.2	40	33.42034	33.8	33	29.09364	29.42589	28.84403	6.7332	7.2	6.39999	18.86619	0.0007	18.85833	220424900	4010225	105
08/23/2017 14:31:32	16.67611	16.68841	16.65321	730.41546	730.5	730.29998	40.52701	40.7	40.3	33.68473	34	33.4	29.4432	29.86922	29.09339	6.84227	7.19999	6.5	18.9494	0.04136	18.94194	220424900	4010225	105
08/23/2017 14:36:32	16.67611	16.68841	16.65321	730.41546	730.5	730.29998	40.52701	40.7	40.3	33.68473	34	33.4	29.4432	29.86922	29.09339	6.84227	7.19999	6.5	19.0326	0.02903	19.025	220424900	4010225	105
08/23/2017 14:41:32	16.67545	16.71046	16.65547	730.28143	730.39996	730.19995	40.69664	40.7	40.59999	33.27836	33.5	32.8	29.66821	29.98005	29.4536	7.41828	7.9	7.2	19.11581	0.02192	19.10861	220424900	4010225	105
08/23/2017 14:46:32	16.67545	16.71046	16.65547	730.28143	730.39996	730.19995	40.69664	40.7	40.59999	33.27836	33.5	32.8	29.66821	29.98005	29.4536	7.41828	7.9	7.2	19.19901	0.00883	19.19166	220424900	4010225	105
08/23/2017 14:51:32	16.67553	16.69812	16.65722	730.18786	730.19995	730.09997	40.70336	40.8	40.7	32.95156	33.6	32.6	29.71736	30.00776	29.39818	7.75179	8.2	7.1	19.28221	0.02016	19.27527	220424900	4010225	105
08/23/2017 14:56:32	16.67553	16.69812	16.65722	730.18786	730.19995	730.09997	40.70336	40.8	40.7	32.95156	33.6	32.6	29.71736	30.00776	29.39818	7.75179	8.2	7.1	19.36542	0.07377	19.35833	220424900	4010225	105
08/23/2017 15:01:32	16.675	16.69519	16.65429	730.15686	730.19995	730.09997	40.68655	40.7	40.59999	33.37515	33.7	32.9	29.58248	29.84151	29.20423	7.3114	7.8	6.99999	19.44862	0.08261	19.44194	220424900	4010225	105
08/23/2017 15:06:32	16.675	16.69519	16.65429	730.15686	730.19995	730.09997	40.68655	40.7	40.59999	33.37515	33.7	32.9	29.58248	29.84151	29.20423	7.3114	7.8	6.99999	19.53182	0.02104	19.525	220424900	4010225	105
08/23/2017 15:11:32	16.67386	16.69565	16.64884	730.08209	730.19995	729.89996	40.73366	40.8	40.7	33.53332	33.8	33.2	29.79751	30.06318	29.53673	7.20034	7.5	6.9	19.61502	0	19.60861	220424900	4010225	105
08/23/2017 15:16:32	16.67386	16.69565	16.64884	730.08209	730.19995	729.89996	40.73366	40.8	40.7	33.53332	33.8	33.2	29.79751	30.06318	29.53673	7.20034	7.6	6.9	19.69823	0	19.69194	220424900	4010225	105
08/23/2017 15:21:32	16.67506	16.69834	16.64884	730.04718	730.09997	729.89996	40.77341	40.8	40.7	33.58859	33.8	33.2	29.84802	30.1463	29.59214	7.18482	7.6	6.9	19.78143	0	19.775	220424900	4010225	105
08/23/2017 15:26:32	16.67426	16.69813	16.64904	730.00537	730.09997	729.89996	40.77309	40.9	40.7	33.48845	33.8	33.1	29.91459	30.20172	29.64756	7.28463	7.7	7	19.86464	0.02105	19.85861	220424900	4010225	105
08/23/2017 15:31:32	16.67555	16.70062	16.65152	729.96765	730	729.89996	40.74376	40.9	40.7	33.50707	33.8	33.2	29.89705	30.1463	29.56443	7.23669	7.6	6.9	19.94785	0.00068	19.94194	220424900	4010225	105
08/23/2017 15:36:32	16.6757	16.70062	16.65379	729.90905	730	729.79998	40.73333	40.8	40.7	33.38722	33.8	33	29.92175	30.17401	29.64756	7.34611	7.8	6.9	20.03106	0.05021	20.02527	220424900	4010225	105
08/23/2017 15:41:32	16.6757	16.70062	16.65379	729.90905	730	729.79998	40.73333	40.8	40.7	33.38722	33.8	33	29.92175	30.17401	29.64756	7.34611	7.8	6.9	20.11427	0.04136	20.10833	220424900	4010225	105
08/23/2017 15:46:32	16.67607	16.70062	16.65379	729.89697	729.89996	729.79998	40.75623	40.8	40.7	33.51389	33.7	33.2	29.93757	30.20172	29.56443	7.24233	7.4	6.6	20.19748	0.00883	20.19194	220424900	4010225	105
08/23/2017 15:51:32	16.67582	16.70331	16.654	729.84375	729.89996	729.79998	40.78351	40.9	40.7	33.79361	34.2	33.4	29.97167	30.25713	29.70297	6.9899	7.4	6.6	20.28068	0.04145	20.275	220424900	4010225	105
08/23/2017 15:56:32	16.67497	16.69205	16.65667	729.80505	729.89996	729.79998	40.82964	40.9	40.7	34.02433	34.2	33.6	30.06267	30.39567	29.8138	6.8053	7.1	6.5	20.36388	0.01985	20.35861	220424900	4010225	105
08/23/2017 16:01:32	16.67476	16.69778	16.65684	729.79998	729.79998	729.79998	40.87644	40.9	40.8	34.16256	34.3	33.8	30.15206	30.53421	29.75839	6.71388	7.1	6.5	20.44709	0.04207	20.44166	220424900	4010225	105
08/23/2017 16:06:32	16.67692	16.69377	16.65647	729.79596	729.79998	729.69995	40.86971	40.9	40.8	33.5398	34	33.1	30.31825	30.64505	29.98005	7.32991	7.8	6.8	20.53029	0.04144	20.52527	220424900	4010225	105
08/23/2017 16:11:32	16.67692	16.69377	16.65647	729.79596	729.79998	729.69995	40.86971	40.9	40.8	33.5398	34	33.1	30.31825	30.64505	29.98005	7.32991	7.8	6.8	20.61349	0	20.60833	220424900	4010225	105
08/23/2017 16:16:32	16.67377	16.69418	16.64753	729.71411	729.79998	729.69995	40.83639	40.9	40.7	33.44715	33.8	33.2	30.30814	30.64505	30.03547	7.38924	7.7	7	20.6967	0	20.69194	220424900	4010225	105
08/23/2017 16:21:32	16.67377	16.69418	16.64753	729.71411	729.79998	729.69995	40.83639	40.9	40.7	33.44715	33.8	33.2	30.30814	30.64505	30.03547	7.38924	8	7.1	20.7799	0.0211	20.77527	220424900	4010225	105
08/23/2017 16:26:32	16.67271	16.68827	16.64753	729.69995	729.69995	729.69995	40.80065	40.9	40.7	33.29924	33.7	32.8	30.26047	30.5065	29.98005	7.50141	8	7.1	20.8631	0	20.85833	220424900	4010225	105
08/23/2017 16:31:32	16.67461	16.6981	16.65185	729.69897	729.69995	729.59997	40.49458	40.59999	40.3	32.37989	32.6	32.2	29.9862	30.36796	29.67526	8.11469	8.3	7.9	20.9463	0.02112	20.94194	220424900	4010225	105
08/23/2017 16:36:32	16.67461	16.6981	16.65185	729.69897	729.69995	729.59997	40.49458	40.59999	40.3	32.37989	32.6	32.2	29.9862	30.36796	29.67526	8.11469	8.3	7.9	21.02951	0	21.025	220424900	4010225	105
08/23/2017 16:41:32	16.67466	16.68683	16.65749	729.69995	729.69995	729.69995	40.23353	40.3	40.09999	32.32897	32.5	31.9	29.67317	30.11859	29.23194	7.90456	8.3	7.69999	21.11271	0.04126	21.10833	220424900	4010225	105
08/23/2017 16:46:32	16.67549	16.6981	16.65185	729.65496	729.69995	729.59997	40.05368	40.2	39.9	32.34232	32.5	32	29.74022	30.17401	29.37048	7.71136	8.09999	7.4	21.19592	0.02339	21.19166	220424900	4010225	105
08/23/2017 16:51:32	16.67592	16.69053	16.64812	729.54791	729.59997	729.5	39.67715	39.9	39.59999	31.85636	32.2	31.6	30.73572	31.11608	30.39567	7.82079	8.2	7.39999	21.27912	0.11133	21.27527	220424900	4010225	105
08/23/2017 16:56:32	16.67487	16.69713	16.65622	729.50097	729.59997	729.5	39.48048	39.59999	39.4	32.02558	32.2	31.7	30.65205	31.08837	30.22942	7.45489	7.7	7.2	21.36232	0.02003	21.35861	220424900	4010225	105
08/23/2017 17:01:32	16.67487	16.69713	16.65622	729.50097	729.59997	729.5	39.48048	39.59999	39.4	32.02558	32.2	31.7	30.65205	31.08837	30.22942	7.45489	7.7	7.2	21.44553	0.04115	21.44166	220424900	4010225	105
08/23/2017 17:06:32	16.67499	16.70242	16.64997	729.49798	729.5	729.39996	39.35033	39.4	39.3	31.73757	31.9	31.6	30.49373	30.78359	30.22942	7.61275	7.8	7.4	21.52873	0.04111	21.525	220424900	4010225	105
08/23/2017 17:11:32	16.6749	16.69229	16.6514	729.40197	729.5	729.39996	38.8973	39	38.8	31.21003	31.6	31	30.01591	30.42338	29.70297	7.68726	7.9	7.3	21.61194	0.08213	21.60861	220424900	4010225	105
08/23/2017 17:16:32	16.6749	16.69229	16.6514	729.40197	729.5	729.39996	38.8973	39	38.8	31.21003	31.6	31	30.01591	30.42338	29.70297	7.68726	7.9	7.3	21.69514	0.01842	21.69166	220424900	4010225	105
08/23/2017 17:21:32	16.67335	16.69786	16.65102	729.40197	729.5	729.39996	38.67791	38.9	38.5	30.99198	31.3	30.7	29.78913	30.06318	29.53673	7.68592	8	7.39999	21.77835	0.02264	21.775	220424900	4010225	105
08/23/2017 17:26:32	16.67442	16.69954	16.66212	729.36511	729.39996	729.29998	38.39058	38.5	38.3	30.8645	31.1	30.6	29.77908	30.31255	29.42589	7.52607	7.7	7.09999	21.86155	0.00144	21.85861	220424900	4010225	105
08/23/2017 17:31:32	16.67582	16.68843	16.65102	729.33221	729.39996	729.29998	38.18859	38.3	37.9	30.8873	31	30.6	30.39696	30.94983	29.86922	7.30129	7.7	7.09999	21.94475	0	21.94166	220424900	4010225	105
08/23/2017 17:36:32	16.67606	16.68843	16.64755	729.29998	729.29998	729.29998	37.9537	38.09999	37.8	30.82218	31	30.5	30.82911	31.06067	30.4788	7.13152	7.4	7	22.02796	0.06225	22.02527	220424900	4010225	105
08/23/2017 17:41:32	16.67411	16.68803	16.65865	729.29998	729.29998	729.29998	37.78054	37.9	37.7	30.64433	30.8	30.4	30.63402	30.89441	30.39567	7.13621	7.4	7	22.11116	0.01953	22.10833	220424900	4010225	105
08/23/2017 17:46:32	16.67342	16.69726	16.65227	729.29998	729.29998	729.29998	37.63693	37.7	37.5	30.24494	30.8	29.5	30.5048	30.75588	30.1463	7.39199	8	7.2	22.19436	0.02129	22.19194	220424900	4010225	105
08/23/2017 17:51:32	16.67241	16.69425	16.64691	729.21069	729.29998	729.19995	37.06038	37.2	36.9	29.54693	29.9	29.3	29.96845	30.36796	29.61985	7.51344	7.7	7.19999	22.27757	0.08176	22.27527	220424900	4010225	105
08/23/2017 17:56:32	16.67241	16.69425	16.64691	729.21069	729.29998	729.19995	37.06038	37.2	36.9	29.54693	29.9	29.3	29.96845	30.36796	29.61985	7.51344	7.7	7.19999	22.36077	0	22.35833	220424900	4010225	105
08/23/2017 18:01:32	16.67482	16.69326	16.65187	729.19995	729.19995	729.19995	36.74429	37	36.5	29.32681	29.6	29	29.79572	30.25713	29.48131	7.41747	7.9	7.09999	22.44398	0.04272	22.44166	220424900	4010225	105
08/23/2017 18:06:32	16.67468	16.69165	16.65678	729.19995	729.19995	729.19995	36.42085	36.59999	36.3	29.08733	29.4	28.7	30.47223	31.06067	29.75839	7.33351	7.7	7	22.52718	0.02139	22.525	220424900	4010225	105
08/23/2017 18:11:32	16.6744	16.68813	16.65327	729.09997	729.09997	729.09997	35.84362	35.9	35.7	28.62347	28.8	28.4	30.50855	30.86671	30.11859	7.22015	7.4	7.1	22.61038	0.04076	22.60861	220424900	4010225	105
08/23/2017 18:16:32	16.6744	16.68813	16.65327	729.09997	729.09997	729.09997	35.84362	35.9	35.7	28.62347	28.8	28.4	30.50855	30.86671	30.11859	7.22015	7.4	7.1	22.69358	0	22.69194	220424900	4010225	105
08/23/2017 18:21:32	16.67461	16.68756	16.65927	729.09997	729.09997	729.09997	35.55366	35.8	35.3	28.58994	28.7	28.4	30.18762	30.56192	29.84151	6.96372	7.3	6.7	22.77679	0	22.775	220424900	4010225	105
08/23/2017 18:26:32	16.67536	16.69239	16.65271	729.09997	729.09997	729.09997	35.28397	35.5	35.2	28.42907	28.6	28.1	29.8666	30.22942	29.56443	6.8549	7.1	6.7	22.85999	0.02146	22.85833	220424900	4010225	105
08/23/2017 18:31:32	16.67352	16.69051	16.66105	729.09796	729.09997	729	34.69735	34.8	34.59999	27.53762	27.7	27.4	30.6308	31.14379	30.00776	7.15973	7.3	7	22.94319	0	22.94194	220424900	4010225	105
08/23/2017 18:36:32	16.67352	16.69051	16.66105	729.09796	729.09997	729	34.69735	34.8	34.59999	27.53762	27.7	27.4	30.6308	31.14379	30.00776	7.15973	7.3	7	23.0264	0.04939	23.025	220424900	4010225	105
08/23/2017 18:41:32	16.67251	16.69453	16.65437	729.07617	729.09997	729	34.3511	34.59999	34.2	27.1216	27.4	26.9	30.73467	31.03296	30.42338	7.2295	7.3	7	23.1096	0.02407	23.10833	220424900	4010225	105
08/23/2017 18:46:32	16.67615	16.69027	16.65617	729.01007	729.09997	729	34.05772	34.2	33.9	26.86854	27	26.6	30.3282	30.72817	29.86922	7.18917	7.3	7	23.1928	0.02155	23.19166	220424900	4010225	105
08/23/2017 18:51:32	16.67331	16.68808	16.65934	729	729	729	33.64504	33.9	33.4	26.40596	26.6	26.2	29.93224	30.36796	29.56443	7.23907	7.5	6.9	23.27601	0	23.275	220424900	4010225	105
08/23/2017 18:56:32	16.67472	16.691	16.65624	728.96771	729	728.89996	32.73966	33	32.3	25.28865	25.6	25	30.65271	31.11608	30.17401	7.45101	7.7	7.3	23.35921	0.04029	23.35861	220424900	4010225	105
08/23/2017 19:01:32	16.67602	16.70228	16.65898	728.98291	729	728.89996	32.2625	32.4	31.9	24.94633	25.1	24.7	29.97843	30.45109	29.48131	7.31616	7.5	6.9	23.44241	0.00306	23.44194	220424900	4010225	105
08/23/2017 19:06:32	16.67602	16.70228	16.65898	728.98291	729	728.89996	32.2625	32.4	31.9	24.94633	25.1	24.7	29.97843	30.45109	29.48131	7.31616	7.5	6.9	23.52562	0	23.525	220424900	4010225	105
08/23/2017 19:11:32	16.67452	16.69098	16.65898	728.96612	729	728.89996	31.40294	32.09999	30	24.76375	25	24.6	30.35006	30.97754	29.56443	6.63918	7.39999	5.3	23.60882	0.00886	23.60833	220424900	4010225	105
08/23/2017 19:16:32	16.67416	16.69165	16.65789	728.93145	729	728.89996	29.05739	30	27.6	24.02762	24.2	23.9	30.09711	30.58963	29.70297	5.02977	5.8	3.69999	23.69202	0.04899	23.69194	220424900	4010225	105
08/23/2017 19:21:32	16.67416	16.69165	16.65789	728.93145	729	728.89996	29.05739	30	27.6	24.02762	24.2	23.9	30.09711	30.58963	29.70297	5.02977	7.2	3.3	23.77522	0.02175	23.77527	220424900	4010225	105
08/23/2017 19:26:32	16.67327	16.69681	16.66211	728.89996	728.89996	728.89996	29.03439	30.7	27.1	23.72496	23.9	23.5	29.66004	29.98005	29.34277	5.30942	7.2	3.3	23.85843	0.07067	23.85833	220424900	4010225	105
08/23/2017 19:31:32	16.67357	16.69037	16.66182	728.9812	729	728.89996	30.23619	30.4	29.4	22.85444	23	22.7	30.37563	30.89441	30.00776	7.38175	7.6	6.49999	23.94163	0.02181	23.94194	220424900	4010225	105
08/23/2017 19:36:32	16.67357	16.69037	16.66182	728.9812	729	728.89996	30.23619	30.4	29.4	22.85444	23	22.7	30.37563	30.89441	30.00776	7.38175	7.6	6.49999	24.00005	0	23.99944	220424900	4010225	105
08/24/2017 08:19:14	10.99186	16.68831	0	728.98657	729	728.89996	30.09469	30.3	30	22.49337	22.7	22.3	23.32679	30.31255	10.08571	7.60132	7.7	7.4	0.0361	0.03909	0.03722	220424960	4010325	105
08/24/2017 08:24:15	16.68007	16.70246	16.65704	729.08758	729.09997	729	12.79477	13	12.6	16.3772	16.6	16.3	32.82121	33.6098	32.00273	3.58243	3.7	3.4	0.1195	0.08372	0.12083	220424960	4010325	105
08/24/2017 08:29:15	16.67469	16.69465	16.65928	729.16845	729.19995	729.09997	13.1275	13.3	13	16.33153	16.6	16.2	32.61861	33.49897	32.11357	3.20403	3.59999	3	0.20287	0.07814	0.20416	220424960	4010325	105
08/24/2017 08:34:14	16.67469	16.69465	16.65928	729.16845	729.19995	729.09997	13.1275	13.3	13	16.33153	16.6	16.2	32.61861	33.49897	32.11357	3.20403	3.59999	3	0.28625	0.02229	0.28722	220424960	4010325	105

08/24/2017 08:39:15	16.6784	16.70091	16.65456	729.14459	729.29998	729.09997	13.47781	13.6	13.3	16.46038	16.6	16.4	33.60027	34.10855	33.19418	2.98256	3.1	2.8	0.36964	0.03025	0.37083	220424960	4010325	105
08/24/2017 08:44:15	16.6784	16.70091	16.65456	729.14459	729.29998	729.09997	13.47781	13.6	13.3	16.46038	16.6	16.4	33.60027	34.10855	33.19418	2.98256	3.19999	2.9	0.45302	0	0.45416	220424960	4010325	105
08/24/2017 08:49:15	16.67396	16.70375	16.65984	729.28387	729.29998	729.19995	13.74364	13.8	13.7	16.71678	16.9	16.6	33.07615	33.44355	32.72314	2.97314	3.1	2.8	0.53638	0	0.5375	220424960	4010325	105
08/24/2017 08:54:15	16.67396	16.70375	16.65984	729.28387	729.29998	729.19995	13.74364	13.8	13.7	16.71678	16.9	16.6	33.07615	33.44355	32.72314	2.97314	3.1	2.8	0.61976	0.03916	0.62055	220424960	4010325	105
08/24/2017 08:59:15	16.6765	16.6948	16.65455	729.47754	729.59997	729.39996	14.20408	14.4	14.1	17.36787	17.6	17	33.8546	34.35791	33.47126	3.16378	3.4	2.8	0.70315	0	0.70416	220424960	4010325	105
08/24/2017 09:04:14	16.6765	16.6948	16.65455	729.47754	729.59997	729.39996	14.20408	14.4	14.1	17.36787	17.6	17	33.8546	34.35791	33.47126	3.16378	3.4	2.8	0.78654	0.06962	0.78722	220424960	4010325	105
08/24/2017 09:09:15	16.67692	16.69899	16.66078	729.53155	729.59997	729.5	14.4671	14.7	14.3	17.50268	17.8	17.3	34.26394	34.635	33.85917	3.03557	3.6	3.09999	0.86992	0.00494	0.87055	220424960	4010325	105
08/24/2017 09:14:15	16.67396	16.69472	16.64809	729.56982	729.59997	729.5	15.23146	15.5	14.9	18.37649	18.7	18.1	33.75893	34.27479	33.22189	3.14503	3.5	2.9	0.95329	0.02212	0.95416	220424960	4010325	105
08/24/2017 09:19:15	16.67396	16.69472	16.64809	729.56982	729.59997	729.5	15.23146	15.5	14.9	18.37649	18.7	18.1	33.75893	34.27479	33.22189	3.14503	3.5	2.9	1.03667	0	1.03722	220424960	4010325	105
08/24/2017 09:24:15	16.67636	16.69884	16.65459	729.56579	729.69995	729.5	15.7884	16.1	15.5	18.94147	19.1	18.7	34.45232	34.96749	33.85917	3.15306	3.4	2.9	1.12004	0.03949	1.12055	220424960	4010325	105
08/24/2017 09:29:15	16.67602	16.69422	16.6572	729.49597	729.5	729.39996	16.96839	17.3	16.7	19.52477	19.8	19.3	34.61618	35.10603	33.80376	2.55637	2.8	2.3	1.20342	0.03951	1.20416	220424960	4010325	105
08/24/2017 09:34:15	16.67602	16.69422	16.6572	729.49597	729.5	729.39996	16.96839	17.3	16.7	19.52477	19.8	19.3	34.61618	35.10603	33.80376	2.55637	2.8	2.3	1.28679	0.02202	1.28722	220424960	4010325	105
08/24/2017 09:39:15	16.67567	16.69307	16.64742	729.54827	729.59997	729.5	18.19865	18.6	17.9	20.19934	20.4	20	34.37816	34.9952	33.80376	2.00068	2.4	1.69999	1.37017	0.00876	1.37083	220424960	4010325	105
08/24/2017 09:44:15	16.67567	16.69307	16.64742	729.54827	729.59997	729.5	18.19865	18.6	17.9	20.19934	20.4	20	34.37816	34.9952	33.80376	2.00068	2.4	1.69999	1.45354	0.07049	1.45388	220424960	4010325	105
08/24/2017 09:49:15	16.67562	16.69431	16.66098	729.57183	729.59997	729.5	18.79509	19.2	18.5	20.54142	20.9	20.3	35.03476	35.54936	34.41333	1.74632	1.9	1.59999	1.53692	0	1.53722	220424960	4010325	105
08/24/2017 09:54:15	16.67645	16.69546	16.65589	729.49798	729.59997	729.39996	19.9817	20.2	19.7	21.03081	21.2	20.9	34.71499	35.38311	34.19167	1.0491	1.4	0.79999	1.6203	0	1.62083	220424960	4010325	105
08/24/2017 09:59:15	16.67645	16.69546	16.65589	729.49798	729.59997	729.39996	19.9817	20.2	19.7	21.03081	21.2	20.9	34.71499	35.38311	34.19167	1.0491	1.4	0.79999	1.70368	0.05273	1.70388	220424960	4010325	105
08/24/2017 10:04:14	16.67704	16.70162	16.65341	729.54522	729.69995	729.39996	20.44485	20.7	20.2	21.13362	21.2	21	35.32435	35.71561	34.71812	0.68877	0.9	0.29999	1.78707	0	1.78722	220424960	4010325	105
08/24/2017 10:09:15	16.67678	16.69914	16.65956	729.61706	729.69995	729.59997	20.85431	21	20.7	21.28854	21.6	21	35.83641	36.26977	35.32769	0.43422	0.6	0.19999	1.87045	0.01788	1.87055	220424960	4010325	105
08/24/2017 10:14:15	16.67599	16.69364	16.64933	729.69897	729.79998	729.59997	21.74424	22	21.5	22.02207	22.3	21.7	35.03032	35.38311	34.635	0.28452	0.69999	0	1.95383	0.02186	1.95416	220424960	4010325	105
08/24/2017 10:19:15	16.67599	16.69364	16.64933	729.69897	729.79998	729.59997	21.74424	22	21.5	22.02207	22.3	21.7	35.03032	35.38311	34.635	0.28452	0.69999	0	2.03721	0.02186	2.03722	220424960	4010325	105
08/24/2017 10:24:15	16.67598	16.70451	16.6475	729.73114	729.79998	729.59997	22.66233	22.9	22.3	22.38113	22.6	22.2	35.9406	36.40831	35.46624	0.28791	0.69999	0	2.12059	0.07975	2.12083	220424960	4010325	105
08/24/2017 10:29:15	16.67568	16.69944	16.65256	729.76178	729.79998	729.69995	23.04163	23.2	22.8	22.60332	22.8	22.2	36.30872	36.54685	35.99269	0.43831	0.69999	0.19999	2.20397	0.01809	2.20416	220424960	4010325	105
08/24/2017 10:34:15	16.67568	16.69944	16.65256	729.76178	729.79998	729.69995	23.04163	23.2	22.8	22.60332	22.8	22.2	36.30872	36.54685	35.99269	0.43831	0.69999	0.19999	2.28734	0.03992	2.28722	220424960	4010325	105
08/24/2017 10:39:14	16.67402	16.69292	16.65057	729.77679	729.89996	729.69995	23.36043	23.7	23.1	22.9203	23.3	22.6	35.85816	36.26977	35.3554	0.44013	0.8	0.1	2.3707	0	2.37055	220424960	4010325	105
08/24/2017 10:44:15	16.67499	16.69321	16.65961	729.57281	729.69995	729.5	24.01803	24.3	23.8	22.7907	23	22.6	35.73614	36.15894	35.43853	1.22733	1.69999	1	2.45408	0.02182	2.45416	220424960	4010325	105
08/24/2017 10:49:15	16.67499	16.69321	16.65961	729.57281	729.69995	729.5	24.01803	24.3	23.8	22.7907	23	22.6	35.73614	36.15894	35.43853	1.22733	1.69999	1	2.53745	0.03999	2.53722	220424960	4010325	105
08/24/2017 10:54:15	16.67553	16.69892	16.65815	729.53155	729.59997	729.39996	24.33488	24.5	24.1	22.82821	23.2	22.6	36.03307	36.3806	35.60478	1.50666	1.79999	1.1	2.62084	0	2.62055	220424960	4010325	105
08/24/2017 10:59:14	16.67677	16.71001	16.65846	729.50305	729.59997	729.39996	24.57116	24.7	24.4	23.56029	23.9	23	36.21695	36.54685	35.90956	1.01087	1.4	0.69999	2.70421	0.01292	2.70388	220424960	4010325	105
08/24/2017 11:04:15	16.67405	16.69629	16.65452	729.52551	729.59997	729.39996	25.06037	25.1	25	23.09188	23.4	22.8	36.87765	37.26725	36.40831	1.96849	2.3	1.6	2.78758	0	2.7875	220424960	4010325	105
08/24/2017 11:09:15	16.67542	16.6957	16.64431	729.44964	729.5	729.39996	25.1939	25.3	25.1	22.91017	23.5	22.4	36.9473	37.21184	36.68539	2.28372	2.9	1.69999	2.87096	0.02556	2.87083	220424960	4010325	105
08/24/2017 11:14:15	16.67542	16.6957	16.64431	729.44964	729.5	729.39996	25.1939	25.3	25.1	22.91017	23.5	22.4	36.9473	37.21184	36.68539	2.28372	2.9	1.69999	2.95435	0.01464	2.95388	220424960	4010325	105
08/24/2017 11:19:15	16.67494	16.70077	16.65552	729.44622	729.5	729.39996	25.46641	25.5	25.3	23.02141	23.4	22.6	37.0339	37.37809	36.7131	2.445	2.9	2	3.03772	0.02177	3.0375	220424960	4010325	105
08/24/2017 11:24:15	16.67494	16.70077	16.65552	729.44622	729.5	729.39996	25.46641	25.5	25.3	23.02141	23.4	22.6	37.0339	37.37809	36.7131	2.445	2.9	2	3.12111	0.01823	3.12055	220424960	4010325	105
08/24/2017 11:29:15	16.67607	16.69729	16.65846	729.5241	729.59997	729.5	25.57985	25.7	25.5	23.53159	23.9	23.3	36.91583	37.29496	36.51914	2.04826	2.3	1.6	3.20449	0.03061	3.20416	220424960	4010325	105
08/24/2017 11:34:15	16.67607	16.69729	16.65846	729.5241	729.59997	729.5	25.57985	25.7	25.5	23.53159	23.9	23.3	36.91583	37.29496	36.51914	2.04826	2.3	1.6	3.28786	0	3.28722	220424960	4010325	105
08/24/2017 11:39:15	16.67634	16.69924	16.65786	729.52752	729.59997	729.39996	25.66775	25.7	25.5	23.79801	24	23.4	36.64615	36.99018	36.18664	1.86975	2.3	1.6	3.37123	0.0033	3.37055	220424960	4010325	105
08/24/2017 11:44:15	16.67401	16.69314	16.65846	729.47784	729.5	729.39996	25.7973	25.9	25.7	23.77191	24	23.5	36.29098	36.62997	35.93727	2.02539	2.3	1.7	3.4546	0.02517	3.45416	220424960	4010325	105
08/24/2017 11:49:15	16.67401	16.69314	16.65846	729.47784	729.5	729.39996	25.7973	25.9	25.7	23.77191	24	23.5	36.29098	36.62997	35.93727	2.02539	2.3	1.7	3.53797	0.04898	3.53722	220424960	4010325	105
08/24/2017 11:54:15	16.67491	16.69845	16.66034	729.44024	729.5	729.39996	25.96701	26.1	25.9	24.31402	24.6	24	35.88388	36.18664	35.46624	1.65298	2.1	1.29999	3.62134	0.02494	3.62083	220424960	4010325	105
08/24/2017 11:59:15	16.67491	16.69845	16.66034	729.44024	729.5	729.39996	25.96701	26.1	25.9	24.31402	24.6	24	35.88388	36.18664	35.46624	1.65298	2.1	1.29999	3.7047	0.03054	3.70388	220424960	4010325	105
08/24/2017 12:04:15	16.6749	16.69168	16.65697	729.42614	729.5	729.39996	26.05302	26.1	25.9	24.53952	24.7	24.2	35.88623	36.32518	35.52166	1.5135	1.49999	0.9	3.78809	0.00884	3.7875	220424960	4010325	105
08/24/2017 12:09:15	16.67679	16.6907	16.66204	729.39428	729.5	729.29998	26.17711	26.3	26.1	24.96235	25.2	24.6	36.0582	36.40831	35.77102	1.21475	1.49999	0.9	3.87147	0	3.87055	220424960	4010325	105
08/24/2017 12:14:15	16.67529	16.69665	16.65761	729.32745	729.39996	729.29998	26.29396	26.3	26.2	24.76699	25.3	24.5	36.3139	36.60226	35.96498	1.52697	1.79999	0.9	3.95484	0.02162	3.95416	220424960	4010325	105
08/24/2017 12:19:15	16.67556	16.69233	16.64546	729.30236	729.39996	729.19995	26.34359	26.4	26.3	25.02193	25.4	24.6	36.46105	36.76851	36.13123	1.32166	1.79999	0.9	4.0382	0.02164	4.03722	220424960	4010325	105
08/24/2017 12:24:15	16.67416	16.69486	16.65929	729.29797	729.29998	729.19995	26.457	26.7	26.4	25.27324	25.6	25	36.58559	36.90705	36.29748	1.18376	1.7	1.1	4.12157	0	4.12083	220424960	4010325	105
08/24/2017 12:29:15	16.67474	16.69044	16.65929	729.24456	729.29998	729.19995	26.77314	26.8	26.7	25.3296	25.6	25.2	36.91415	37.21184	36.57456	1.44353	1.6	1.1	4.20493	0.00885	4.20416	220424960	4010325	105
08/24/2017 12:34:15	16.67474	16.69044	16.65929	729.24456	729.29998	729.19995	26.77314	26.8	26.7	25.3296	25.6	25.2	36.91415	37.21184	36.57456	1.44353	1.6	1.1	4.28829	0.02158	4.28722	220424960	4010325	105
08/24/2017 12:39:15	16.67489	16.69652	16.65891	729.21441	729.29998	729.19995	26.85377	27	26.8	25.72938	26	25.3	36.89856	37.21184	36.49144	1.12439	1.4	0.8	4.37165	0.01876	4.37083	220424960	4010325	105
08/24/2017 12:44:15	16.67434	16.68762	16.65813	729.19995	729.19995	729.19995	26.97719	27	26.8	25.88002	26	25.6	37.01379	37.32267	36.76851	1.09717	1.4	0.8	4.45501	0.01894	4.45388	220424960	4010325	105
08/24/2017 12:49:15	16.6755	16.69445	16.65363	729.19488	729.19995	729.09997	27.2227	27.3	27	26.37977	26.6	26	37.33932	37.62746	36.90705	0.84293	1.3	0.49999	4.53837	0.0189	4.5375	220424960	4010325	105
08/24/2017 12:54:15	16.6755	16.69445	16.65363	729.19488	729.19995	729.09997	27.2227	27.3	27	26.37977	26.6	26	37.33932	37.62746	36.90705	0.84293	1.3	0.49999	4.62173	0	4.62055	220424960	4010325	105
08/24/2017 12:59:15	16.67437	16.70579	16.6423	729.15368	729.19995	729.09997	27.35703	27.4	27.3	26.3027	26.5	26	37.22284	37.59975	36.85163	1.05432	1.4	0.8	4.70509	0.04046	4.70388	220424960	4010325	105
08/24/2017 13:04:15	16.67418	16.69164	16.66042	729.11804	729.19995	729.09997	27.43357	27.6	27.4	26.40339	26.6	26.2	36.90021	37.26725	36.57456	1.03017	1.19999	0.4	4.78845	0.02149	4.7875	220424960	4010325	105
08/24/2017 13:09:15	16.67594	16.69916	16.66364	729.10638	729.19995	729.09997	27.58991	27.6	27.5	26.60766	27.2	26.4	36.62573	36.90705	36.32518	0.98225	1.19999	0.4	4.87181	0	4.87055	220424960	4010325	105
08/24/2017 13:14:15	16.67457	16.69521	16.64548	729.06079	729.09997	729	27.66372	27.7	27.6	27.31158	27.5	27	36.30515	36.60226	35.93727	0.35213	0.7	0.1	4.95517	0.081	4.95388	220424960	4010325	105
08/24/2017 13:19:15	16.67627	16.69966	16.6608	728.98492	729	728.89996	27.97641	28.1	27.7	27.48242	28	26.6	36.60194	37.0733	36.32518	0.49399	1.4	0	5.03855	0.01918	5.0375	220424960	4010325	105
08/24/2017 13:24:15	16.67627	16.69966	16.6608	728.98492	729	728.89996	27.97641	28.1	27.7	27.48242	28	26.6	36.60194	37.0733	36.32518	0.49399	1.4	0	5.12191	0	5.12055	220424960	4010325	105
08/24/2017 13:29:15	16.67491	16.69135	16.64988	728.91302	729	728.89996	28.1033	28.2	28	27.7732	28.3	27.4	36.77306	37.01789	36.3806	0.37038	0.69999	0	5.20527	0	5.20388	220424960	4010325	105
08/24/2017 13:34:15	16.67544	16.69135	16.64925	728.89996	728.89996	728.89996	28.23084	28.3	28.1	27.74111	28.2	27.4	37.03878	37.51663	36.68539	0.48972	0.9	0	5.28863	0.00886	5.28722	220424960	4010325	105
08/24/2017 13:39:15	16.67752	16.70215	16.65823	728.90594	729	728.89996	28.36017	28.6	28.3	28.44175	28.9	27.6	37.22207	37.62746	36.90705	0.30098	0.69999	0	5.37199	0.00187	5.37055	220424960	4010325	105
08/24/2017 13:44:15	16.67519	16.69366	16.65683	728.9201	729	728.89996	28.89715	29.1	28.7	29.15042	29.4	28.6	37.36011	37.95996	36.65768	0.29756	0.59999	0.09999	5.45536	0	5.45416	220424960	4010325	105
08/24/2017 13:49:15	16.67519	16.69366	16.65683	728.9201	729	728.89996	28.89715	29.1	28.7	29.15042	29.4	28.6	37.36011	37.95996	36.65768	0.29756	0.5	0	5.53872	0.03894	5.53722	220424960	4010325	105
08/24/2017 13:54:15	16.675	16.68925	16.65683	728.97247	729	728.89996	29.16032	29.3	28.9	29.37077	29.6	29	36.6559	37.18413	36.18664	0.24355	0.5	0	5.6221	0.0388	5.62055	220424960	4010325	105
08/24/2017 13:59:15	16.6766	16.70317	16.65575	729	729	729	29.66103	29.8	29.5	28.94108	29.4	28.4	37.24561	37.57205	36.93476	0.71994	1.3	0.3	5.70547	0.02133	5.70416	220424960	4010325	105
08/24/2017 14:04:15	16.6766	16.70317	16.65575	729	729	729	29.66103	29.8	29.5	28.94108	29.4	28.4	37.24561	37.57205	36.93476	0.71994	1.3	0.3	5.78884	0.02133	5.78722	220424960	4010325	105
08/24/2017 14:09:15	16.67641	16.70472	16.65484	728.91943	729	728.89996	30.03082	30.1	29.9	29.57183	29.9	29.3	37.69437	37.95996	37.37809	0.45898	0.8	0.19999	5.87221	0.00886	5.87083	220424960	4010325	105
08/24/2017 14:14:15	16.67641	16.70472	16.65484	728.91943	729	728.89996	30.03082	30.1	29.9	29.57183	29.9	29.3	37.69437	37.95996	37.37809	0.45898	0.8	0.19999	5.95558	0.08522	5.95388	220424960	4010325	105
08/24/2017 14:19:15	16.67566	16.69621	16.64935	728.90197	729	728.89996	30.30137	30.4	30.1	29.63393	30	29.3	37.97905	38.32016	37.59975	0.66744	1	0.3	6.03894	0.0018	6.03722	220424960	4010325	105
08/24/2017 14:24:15	16.67566	16.6907	16.64935	728.90802	729	728.89996	30.46031	30.6	30.3	29.598	30.1	29.3	38.17547	38.59724	37.59975	0.86231	1.3	0.29999	6.1223	0.00904	6.12055	220424960	4010325	105
08/24/2017 14:29:15	16.67521	16.69023	16.66082	728.9403	729	728.89996	30.85093	31	30.7	29.78679	30.2	29.3	37.31112	37.7937	36.90705	1.06414	1.49999	0.6	6.20566	0.04262	6.20416	220424960	4010325	105
08/24/2017 14:34:15	16.67456	16.69159	16.65236	728.93817	729	728.89996	31.04021	31.1	31	30.03281	30.5	29.5	37.30096	37.68288	37.01789	1.0074	1.5	0.6	6.28903	0.06224	6.2875	220424960	4010325	105
08/24/2017 14:39:15	16.67456	16.69159	16.65236	728.93817	729	728.89996	31.04021	31.1	31	30.03281	30.5	29.5	37.30096	37.68288	37.01789	1.0074	1.5	0.6	6.37241	0.00153	6.37055	220424960	4010325	105
08/24/2017 14:44:15	16.67492	16.69712	16.65026	728.91339	729	728.89996	31.19727	31.3	31.1	30.16283	30.5	30	37.61063	38.01537	37.23955	1.03444	1.9	0.8	6.45578	0.08192	6.45416	220424960	4010325	105
08/24/2017 14:49:15	16.67558	16.70219	16.65026	728.89087	728.89996	728.79998	31.61671	31.7	31.5	30.33269	30.8	29.9	38.22046	38.56953	37.82141	1.28402	1.69999	0.8	6.53916	0.00886	6.5375	220424960	4010325	105
08/24/2017 14:54:15	16.67558	16.70219	16.65026	728.89087	728.89996	728.79998	31.61671	31.7	31.5	30.33269	30.8	29.9	38.22046	38.56953	37.82141	1.28402	1.8	0.8	6.62254	0.03369	6.62083	220424960	4010325	105
08/24/2017 14:59:15	16.67432	16.69756	16.6392	728.86065	728.89996	728.79998	31.7503	31.9	31.6	30.46243	30.8	30	38.49703	38.90203	38.20932	1.28787	1.8	0.8	6.70593	0.08208	6.70388	220424960	4010325	105
08/24/2017 15:04:15	16.67647	16.70434	16.65228	728.82806	728.89996	728.79998	32.14022	32.2	32.09999	30.87367	31.1	30.6	38.80989	39.26223	38.29245	1.26655	1.6	0.99999	6.78931	0.08495	6.7875	220424960	4010325	105
08/24/2017 15:09:15	16.67647	16.70434	16.65228	728.82806	728.89996	728.79998	32.14022	32.2	32.09999	30.87367	31.1	30.6	38.80989	39.26223	38.29245	1.26655	1.6	0.99999	6.87269	0.04103	6.87055	220424960	4010325	105
08/24/2017 15:14:15	16.67451	16.69961	16.6507	728.80908	728.89996	728.79998	32.3738	32.4	32.3	30.23181	30.6	29.6	38.11797	38.40329	37.766	2.14199	2.8	1.7	6.95607	0.04095	6.95416	220424960	4010325	105
08/24/2017 15:19:15	16.67451	16.69961	16.6507	728.80908	728.89996	728.79998	32.3738	32.4	32.3	30.23181	30.6	29.6	38.11797	38.40329	37.766	2.14199	2.8	1.7	7.03944	0.10489	7.03722	220424960	4010325	105
08/24/2017 15:24:15	16.67711	16.7042	16.63692	728.83355	728.89996	728.79998	32.52225	32.7	32.4	29.79795	30.5	29.2	38.47798	38.95744	37.93225	2.7243	3.5	1.9	7.12282	0.02126	7.12083	220424960	4010325	105
08/24/2017 15:29:15	16.67711	16.7042	16.63692	728.83355	728.89996	728.79998	32.52225	32.7	32.4	29.79795	30.5	29.2	38.47798	38.95744	37.93225	2.7243	3.5	1.9	7.20618	0.01959	7.20388	220424960	4010325	105
08/24/2017 15:34:15	16.67329	16.69521	16.65317	728.7818	728.79998	728.69995	32.43692	32.7	32.4	30.12842	30.5	29.3	38.91199	39.23453	38.56953	2.3085	3.1	1.9	7.28955	0.00168	7.28722	220424960	4010325	105
08/24/2017 15:39:15	16.67565	16.72614	16.63642	728.79101	728.89996	728.69995	32.43694	32.7	32.4	29.46374	30	29	39.02999	39.40077	38.59724	2.9732	3.5	2.5	7.37291	0	7.37055	220424960	4010325	105
08/24/2017 15:44:15	16.67386	16.69669	16.63838	728.75232	728.79998	728.69995	32.33962	32.4	32.3	29.24218	29.9	28.8	39.20629	39.51161	38.87432	3.09744	3.5	2.5	7.45628	0	7.45388	220424960	4010325	105
08/24/2017 15:49:15	16.6749	16.6997	16.65034	728.69336	728.79998	728.59997	32.19608	32.3	32.09999	29.27987	29.5	29	38.95672	39.34536	38.59724	2.9162	3.3	2.59999	7.53966	0.02134	7.53722	220424960	4010325	105

08/24/2017 15:54:15	16.67614	16.70166	16.65531	728.59509	728.59997	728.5	32.03638	32.2	31.9	29.24576	29.5	29	38.811	39.12369	38.48641	2.79061	2.89999	1.69999	7.62302	0.04096	7.62083	220424960	4010325	105
08/24/2017 15:59:15	16.67605	16.69513	16.64912	728.51007	728.59997	728.5	31.93894	32.09999	31.9	29.67955	30.2	29.2	38.75328	39.12369	38.4587	2.25938	2.89999	1.69999	7.70638	0	7.70388	220424960	4010325	105
08/24/2017 16:04:15	16.67407	16.69467	16.64273	728.49597	728.5	728.39996	31.90667	32.09999	31.8	29.80574	30.1	29.5	38.82957	39.23453	38.54183	2.10092	1.9	1.1	7.78975	0.01242	7.78722	220424960	4010325	105
08/24/2017 16:09:15	16.6743	16.70196	16.64397	728.49408	728.5	728.39996	31.92352	32.09999	31.8	30.45223	30.8	30	38.89244	39.26223	38.59724	1.47128	1.9	1.1	7.87311	0.01979	7.87055	220424960	4010325	105
08/24/2017 16:14:15	16.67501	16.69252	16.66062	728.41644	728.5	728.39996	32.11334	32.2	32.09999	30.48196	30.6	30.2	39.34576	39.73327	39.04057	1.63137	1.89999	1.49999	7.95647	0	7.95416	220424960	4010325	105
08/24/2017 16:19:15	16.67501	16.69252	16.66062	728.41644	728.5	728.39996	32.11334	32.2	32.09999	30.48196	30.6	30.2	39.34576	39.73327	39.04057	1.63137	2.8	1.49999	8.03983	0	8.0375	220424960	4010325	105
08/24/2017 16:24:15	16.67401	16.70366	16.64932	728.4262	728.5	728.29998	32.27325	32.3	32.2	29.30217	29.6	29	39.51117	39.89952	39.06828	2.97108	3.3	2.7	8.12319	0.0622	8.12083	220424960	4010325	105
08/24/2017 16:29:15	16.67401	16.70366	16.64932	728.4262	728.5	728.29998	32.27325	32.3	32.2	29.30217	29.6	29	39.51117	39.89952	39.06828	2.97108	3.3	2.7	8.20657	0.02134	8.20388	220424960	4010325	105
08/24/2017 16:34:15	16.675	16.71811	16.63488	728.4403	728.5	728.29998	32.11209	32.3	31.9	29.04667	29.3	28.9	39.35785	39.76097	38.90203	3.06541	3.4	2.69999	8.28995	0.04084	8.28722	220424960	4010325	105
08/24/2017 16:39:15	16.67278	16.71155	16.64122	728.39898	728.5	728.29998	33.18323	35.5	31.8	28.79641	29.3	28.3	38.92349	39.4839	38.431	4.38682	6.89999	2.6	8.37339	0.06598	8.37055	220424960	4010325	105
08/24/2017 16:44:15	16.6742	16.6897	16.64882	728.40905	728.5	728.39996	35.12579	35.3	34.9	29.17511	29.3	28.7	38.34105	38.73578	37.90454	5.95068	6.3	5.7	8.45684	0.08193	8.45388	220424960	4010325	105
08/24/2017 16:49:15	16.67528	16.7001	16.65028	728.40094	728.5	728.39996	34.7156	34.9	34.59999	29.25315	29.9	28.7	38.07511	38.48641	37.57205	5.46245	5.09999	4.5	8.54023	0.04263	8.53722	220424960	4010325	105
08/24/2017 16:54:15	16.67403	16.70865	16.6388	728.39996	728.39996	728.39996	34.34032	34.5	34.3	29.64239	30	29	38.7271	39.17911	38.29245	4.69792	5.5	4.3	8.62361	0	8.62083	220424960	4010325	105
08/24/2017 16:59:15	16.67403	16.70865	16.6388	728.39996	728.39996	728.39996	34.34032	34.5	34.3	29.64239	30	29	38.7271	39.17911	38.29245	4.69792	5.5	4.3	8.70703	0.07305	8.70388	220424960	4010325	105
08/24/2017 17:04:15	16.67378	16.69669	16.62639	728.39807	728.39996	728.29998	34.24972	34.3	34.2	29.16535	29.9	28.4	38.99917	39.56702	38.62495	5.08437	5.8	4.4	8.79047	0.0408	8.78722	220424960	4010325	105
08/24/2017 17:09:15	16.67315	16.68809	16.65865	728.39691	728.39996	728.29998	33.88351	34	33.7	28.53945	28.7	28.2	38.96924	39.20681	38.62495	5.34405	5.8	5	8.87392	0.04078	8.87083	220424960	4010325	105
08/24/2017 17:14:15	16.67315	16.68809	16.65865	728.39691	728.39996	728.29998	33.88351	34	33.7	28.53945	28.7	28.2	38.96924	39.20681	38.62495	5.34405	5.8	5	8.95736	0	8.95388	220424960	4010325	105
08/24/2017 17:19:15	16.67264	16.6876	16.65337	728.29998	728.29998	728.29998	33.44921	33.59999	33.3	27.70468	28	27.5	38.47332	38.87432	38.0985	5.74452	6.09999	5.3	9.04082	0.02362	9.0375	220424960	4010325	105
08/24/2017 17:24:15	16.67264	16.6876	16.65337	728.29998	728.29998	728.29998	33.44921	33.59999	33.3	27.70468	28	27.5	38.47332	38.87432	38.0985	5.74452	6.09999	5.3	9.12424	0	9.12055	220424960	4010325	105
08/24/2017 17:29:15	16.67413	16.69193	16.64383	728.19909	728.29998	728.09997	32.88002	33	32.7	27.60352	27.7	27.4	38.31108	38.87432	37.82141	5.27649	5.4	5.2	9.20767	0.16272	9.20416	220424960	4010325	105
08/24/2017 17:34:15	16.67413	16.69193	16.64383	728.19909	728.29998	728.09997	32.88002	33	32.7	27.60352	27.7	27.4	38.31108	38.87432	37.82141	5.27649	5.7	5.1	9.29109	0.08119	9.28722	220424960	4010325	105
08/24/2017 17:39:15	16.67393	16.69547	16.63719	728.19995	728.19995	728.19995	32.63994	32.8	32.4	27.32297	27.6	27	39.02967	39.4839	38.56953	5.31697	5.7	5.1	9.37449	0.10025	9.37055	220424960	4010325	105
08/24/2017 17:44:15	16.67375	16.70621	16.63654	728.18786	728.19995	728.09997	32.33979	32.5	32.2	27.1567	27.5	26.9	39.05587	39.51161	38.68036	5.18309	5.4	4.8	9.45787	0.04306	9.45388	220424960	4010325	105
08/24/2017 17:49:15	16.67385	16.6988	16.64657	728.18182	728.19995	728.09997	32.05864	32.3	31.9	26.75931	27	26.5	38.75655	39.06828	38.32016	5.29933	5.29999	4.3	9.5413	0.0406	9.5375	220424960	4010325	105
08/24/2017 17:54:15	16.67453	16.6906	16.6504	728.09997	728.09997	728.09997	31.62952	31.7	31.6	27.18839	27.4	26.9	38.18871	38.56953	37.71058	4.44112	4.8	4.19999	9.62474	0.04066	9.62083	220424960	4010325	105
08/24/2017 17:59:15	16.67453	16.6906	16.6504	728.09997	728.09997	728.09997	31.62952	31.7	31.6	27.18839	27.4	26.9	38.18871	38.56953	37.71058	4.44112	4.8	4.19999	9.70814	0.0963	9.70416	220424960	4010325	105
08/24/2017 18:04:15	16.67323	16.69595	16.65153	728.09607	728.09997	728	31.51308	31.6	31.3	26.82107	27.2	26.6	38.11289	38.431	37.71058	4.692	4.99999	4.4	9.79154	0	9.78722	220424960	4010325	105
08/24/2017 18:09:15	16.67265	16.70007	16.64711	727.94567	728	727.89996	31.05917	31.2	30.9	25.65812	26	25.4	38.61574	39.20681	37.87683	5.40105	5.69999	5.1	9.87491	0	9.87083	220424960	4010325	105
08/24/2017 18:14:15	16.67265	16.70007	16.64711	727.94567	728	727.89996	31.05917	31.2	30.9	25.65812	26	25.4	38.61574	39.20681	37.87683	5.40105	5.69999	5.1	9.95833	0.01871	9.95388	220424960	4010325	105
08/24/2017 18:19:15	16.6729	16.69299	16.65048	727.78991	727.89996	727.69995	30.28282	30.4	30	25.01343	25.1	25	38.68087	39.09598	38.26474	5.26938	5.4	5	10.04175	0.03149	10.0375	220424960	4010325	105
08/24/2017 18:24:15	16.6729	16.69299	16.65048	727.78991	727.89996	727.69995	30.28282	30.4	30	25.01343	25.1	25	38.68087	39.09598	38.26474	5.26938	5.1	4.6	10.12519	0.08074	10.12083	220424960	4010325	105
08/24/2017 18:29:15	16.67491	16.6905	16.65048	727.82818	727.89996	727.69995	29.91563	30.1	29.8	25.07363	25.2	25	38.18602	38.56953	37.71058	4.84199	5.1	4.6	10.20862	0	10.20388	220424960	4010325	105
08/24/2017 18:34:15	16.67379	16.69573	16.66096	727.77392	727.89996	727.59997	29.62245	29.9	29.4	24.99933	25.1	24.8	38.15613	38.65265	37.766	4.62312	5	4.4	10.29207	0.04633	10.28722	220424960	4010325	105
08/24/2017 18:39:15	16.67595	16.699	16.65901	727.56543	727.59997	727.39996	29.14267	29.3	28.9	24.57983	24.6	24.5	39.05239	39.31765	38.68036	4.56284	4.8	4.29999	10.37553	0.01862	10.37083	220424960	4010325	105
08/24/2017 18:44:15	16.67595	16.699	16.65901	727.56543	727.59997	727.39996	29.14267	29.3	28.9	24.57983	24.6	24.5	39.05239	39.31765	38.68036	4.56284	4.8	4.29999	10.45895	0.06194	10.45388	220424960	4010325	105
08/24/2017 18:49:15	16.67415	16.6877	16.65207	727.60095	727.69995	727.59997	28.60705	29.1	28.3	24.40706	24.6	24.1	38.78436	39.06828	38.40329	4.19999	4.69999	3.9	10.54238	0.03685	10.53722	220424960	4010325	105
08/24/2017 18:54:15	16.67451	16.69269	16.64938	727.57476	727.59997	727.5	28.31348	28.6	28.2	23.8461	24	23.6	38.41992	38.7912	38.04308	4.46737	4.9	4.3	10.62579	0.03068	10.62055	220424960	4010325	105
08/24/2017 18:59:15	16.67382	16.69198	16.65829	727.4931	727.59997	727.39996	27.21142	27.7	26.3	22.66852	22.9	22.6	38.97713	39.42849	38.40329	4.5429	4.99999	3.69999	10.70918	0	10.70416	220424960	4010325	105
08/24/2017 19:04:15	16.67382	16.69198	16.65829	727.4931	727.59997	727.39996	27.21142	27.7	26.3	22.66852	22.9	22.6	38.97713	39.42849	38.40329	4.5429	4.99999	3.69999	10.79258	0.05259	10.78722	220424960	4010325	105
08/24/2017 19:09:15	16.67535	16.69229	16.65759	727.21405	727.29998	727.19995	24.87676	25.1	24.7	22.2634	22.3	22.1	38.36887	38.73578	37.98767	2.61336	2.9	2.4	10.87593	0.03999	10.87083	220424960	4010325	105
08/24/2017 19:14:15	16.67535	16.69229	16.65759	727.21405	727.29998	727.19995	24.87676	25.1	24.7	22.2634	22.3	22.1	38.36887	38.73578	37.98767	2.61336	2.9	2.4	10.95933	0.04876	10.95388	220424960	4010325	105
08/24/2017 19:19:15	16.67379	16.70171	16.64943	727.42498	727.5	727.19995	24.60936	24.9	24.4	21.40236	21.6	21.2	38.79905	39.45619	38.04308	3.207	3.4	2.99999	11.04274	0.03983	11.0375	220424960	4010325	105
08/24/2017 19:24:15	16.67379	16.70171	16.64943	727.42498	727.5	727.19995	24.60936	24.9	24.4	21.40236	21.6	21.2	38.79905	39.45619	38.04308	3.207	3.4	2.99999	11.12618	0	11.12055	220424960	4010325	105
08/24/2017 19:29:15	16.67382	16.69943	16.65977	727.42144	727.5	727.19995	24.13803	24.6	23.7	21.0156	21.2	20.9	38.70965	39.09598	38.37558	3.12243	3.5	2.8	11.20962	0.0089	11.20388	220424960	4010325	105
08/24/2017 19:34:15	16.67505	16.69341	16.66245	727.23358	727.29998	727.19995	23.14263	23.3	22.9	20.47326	20.6	20.3	38.03407	38.34787	37.68288	2.66936	2.8	2.4	11.29306	0	11.2875	220424960	4010325	105
08/24/2017 19:39:15	16.67505	16.69341	16.66245	727.23358	727.29998	727.19995	23.14263	23.3	22.9	20.47326	20.6	20.3	38.03407	38.34787	37.68288	2.66936	2.8	2.4	11.37647	0	11.37055	220424960	4010325	105
08/24/2017 19:44:15	16.67552	16.69221	16.65628	727.2171	727.29998	727.19995	22.7648	23.1	22.6	20.35314	20.4	20.2	38.26229	38.84661	37.59975	2.41165	2.69999	2.3	11.45987	0.03969	11.45388	220424960	4010325	105
08/24/2017 19:49:15	16.67303	16.70086	16.64893	727.28149	727.39996	727.19995	22.63347	22.8	22.5	20.14251	20.3	20	38.96212	39.37307	38.431	2.49096	2.8	2.2	11.54329	0.03971	11.53722	220424960	4010325	105
08/24/2017 19:54:15	16.67319	16.68727	16.65389	727.31494	727.39996	727.29998	22.70993	23.2	22.5	19.9733	20	19.9	38.66646	39.04057	38.34787	2.73662	3.3	2.5	11.62673	0.01315	11.62083	220424960	4010325	105
08/24/2017 19:59:15	16.67319	16.68727	16.65389	727.31494	727.39996	727.29998	22.70993	23.2	22.5	19.9733	20	19.9	38.66646	39.04057	38.34787	2.73662	3.3	2.5	11.71015	0.03077	11.70388	220424960	4010325	105
08/24/2017 20:04:15	16.67532	16.69093	16.64643	727.58416	727.59997	727.39996	23.67993	24	23.1	19.76926	19.9	19.7	38.35747	38.76348	38.01537	3.91066	4.1	3.5	11.79359	0	11.7875	220424960	4010325	105
08/24/2017 20:09:15	16.67365	16.69217	16.66127	727.52923	727.59997	727.5	23.33799	23.7	23.1	19.56939	19.7	19.4	37.90371	38.32016	37.48892	3.7686	4.1	3.5	11.87703	0	11.87055	220424960	4010325	105
08/24/2017 20:14:15	16.67412	16.69322	16.64137	727.49462	727.59997	727.39996	22.47203	22.7	22.2	18.96282	19.3	18.7	38.81007	39.26223	38.4587	3.50921	3.6	3.3	11.96046	0.03952	11.95416	220424960	4010325	105
08/24/2017 20:19:15	16.67461	16.69428	16.65245	727.56335	727.59997	727.5	22.09951	22.3	22	18.63969	18.7	18.5	38.43744	38.87432	37.98767	3.45981	3.6	3.4	12.04387	0.01734	12.0375	220424960	4010325	105
08/24/2017 20:24:15	16.67461	16.69428	16.65245	727.56335	727.59997	727.5	22.09951	22.3	22	18.63969	18.7	18.5	38.43744	38.87432	37.98767	3.45981	3.6	3.4	12.12733	0.05314	12.12055	220424960	4010325	105
08/24/2017 20:29:15	16.67512	16.69293	16.64616	727.61108	727.69995	727.5	21.45244	21.6	21.4	18.48675	18.6	18.4	37.78802	38.20932	37.43351	2.96568	3.1	2.9	12.21076	0.01733	12.20416	220424960	4010325	105
08/24/2017 20:34:15	16.67512	16.69293	16.64616	727.61108	727.69995	727.5	21.45244	21.6	21.4	18.48675	18.6	18.4	37.78802	38.20932	37.43351	2.96568	3.1	2.9	12.29414	0.00887	12.28722	220424960	4010325	105
08/24/2017 20:39:15	16.67318	16.69778	16.64968	727.72882	727.79998	727.59997	21.30309	21.4	21.1	18.2092	18.4	18	37.64386	37.93225	37.35038	3.09389	3.3	2.9	12.37757	0.0566	12.37055	220424960	4010325	105
08/24/2017 20:44:15	16.67714	16.69501	16.64943	727.68811	727.79998	727.59997	20.9713	21.3	20.8	17.95987	18	17.8	37.71041	38.26474	37.23955	3.01143	3.3	2.8	12.46098	0.03433	12.45388	220424960	4010325	105
08/24/2017 20:49:15	16.67315	16.69983	16.64555	727.62011	727.69995	727.59997	20.67278	20.8	20.5	17.72067	17.9	17.6	38.62743	39.01286	38.26474	2.95211	3.2	2.6	12.5444	0.0616	12.5375	220424960	4010325	105
08/24/2017 20:54:15	16.67315	16.69983	16.64555	727.62011	727.69995	727.59997	20.67278	20.8	20.5	17.72067	17.9	17.6	38.62743	39.01286	38.26474	2.95211	3.2	2.6	12.62785	0.03942	12.62055	220424960	4010325	105
08/24/2017 20:59:15	16.67416	16.69875	16.64832	727.69897	727.69995	727.59997	20.36658	20.5	20.3	18.01995	18.2	17.9	38.57162	38.90203	38.15391	2.34662	2.5	2.1	12.71127	0.02216	12.70416	220424960	4010325	105
08/24/2017 21:04:15	16.67416	16.69875	16.64832	727.69897	727.69995	727.59997	20.36658	20.5	20.3	18.01995	18.2	17.9	38.57162	38.90203	38.15391	2.34662	2.5	2.1	12.79472	0.02217	12.78722	220424960	4010325	105
08/24/2017 21:09:15	16.67184	16.69252	16.65937	727.69995	727.69995	727.69995	20.13023	20.2	20.1	17.97666	18	17.9	38.43264	38.73578	38.04308	2.15357	2.3	2.1	12.87817	0	12.87083	220424960	4010325	105
08/24/2017 21:14:15	16.67184	16.69252	16.65937	727.69995	727.69995	727.69995	20.13023	20.2	20.1	17.97666	18	17.9	38.43264	38.73578	38.04308	2.15357	2.3	2.1	12.96158	0.03937	12.95388	220424960	4010325	105
08/24/2017 21:19:15	16.67574	16.70216	16.65659	727.69995	727.69995	727.69995	19.83297	20.1	19.8	17.75629	17.9	17.6	38.30527	38.68036	37.98767	2.07667	2.2	2	13.04494	0.03433	13.0375	220424960	4010325	105
08/24/2017 21:24:15	16.67574	16.70216	16.65659	727.69995	727.69995	727.69995	19.83297	20.1	19.8	17.75629	17.9	17.6	38.30527	38.68036	37.98767	2.07667	2.2	2	13.1283	0.07878	13.12055	220424960	4010325	105
08/24/2017 21:29:15	16.67576	16.70216	16.65659	727.69995	727.69995	727.69995	19.61973	19.7	19.5	17.67265	17.9	17.5	38.15585	38.4587	37.84912	1.94707	2.1	1.8	13.21168	0.03934	13.20416	220424960	4010325	105
08/24/2017 21:34:15	16.67576	16.70216	16.65659	727.69995	727.69995	727.69995	19.61973	19.7	19.5	17.67265	17.9	17.5	38.15585	38.4587	37.84912	1.94707	2.1	1.8	13.29515	0.0222	13.28722	220424960	4010325	105
08/24/2017 21:39:15	16.67472	16.69449	16.65517	727.72515	727.79998	727.69995	19.33227	19.5	19.2	17.47983	17.6	17.4	37.93186	38.29245	37.59975	1.85244	2.1	1.7	13.37861	0.02221	13.37083	220424960	4010325	105
08/24/2017 21:44:15	16.67472	16.69449	16.65517	727.72515	727.79998	727.69995	19.33227	19.5	19.2	17.47983	17.6	17.4	37.93186	38.29245	37.59975	1.85244	2.1	1.7	13.46204	0.02222	13.45388	220424960	4010325	105
08/24/2017 21:49:15	16.67794	16.69056	16.65269	727.80102	727.89996	727.79998	19.04974	19.1	19	17.33005	17.4	17.3	37.75793	38.0985	37.46122	1.71968	1.8	1.6	13.5455	0.02221	13.5375	220424960	4010325	105
08/24/2017 21:54:15	16.67794	16.69056	16.65269	727.80102	727.89996	727.79998	19.04974	19.1	19	17.33005	17.4	17.3	37.75793	38.0985	37.46122	1.71968	1.8	1.6	13.6289	0.03041	13.62055	220424960	4010325	105
08/24/2017 21:59:15	16.67709	16.69056	16.655	727.84741	727.89996	727.79998	18.98608	19.1	18.9	17.3	17.3	17.3	37.64791	38.04308	37.18413	1.68608	1.8	1.59999	13.71231	0	13.70388	220424960	4010325	105
08/24/2017 22:04:15	16.67659	16.69909	16.655	727.8919	727.89996	727.79998	18.84953	19	18.7	17.30337	17.4	17.2	37.54638	37.90454	37.15642	1.54615	1.7	1.4	13.7957	0	13.7875	220424960	4010325	105
08/24/2017 22:09:15	16.67682	16.69909	16.655	727.89795	727.89996	727.79998	18.71344	18.9	18.6	17.29999	17.4	17.2	37.47086	37.7937	37.12872	1.41344	1.59999	1.3	13.87907	0.03929	13.87055	220424960	4010325	105
08/24/2017 22:14:15	16.67479	16.69909	16.64733	727.89996	727.89996	727.89996	18.62688	18.7	18.6	17.08882	17.3	17	37.42684	37.7937	36.99018	1.53805	1.7	1.3	13.96243	0	13.95388	220424960	4010325	105
08/24/2017 22:19:15	16.67515	16.69909	16.65834	727.89996	727.89996	727.89996	18.48586	18.6	18.4	17.01681	17.3	17	37.29141	37.65517	36.87934	1.46905	1.6	1.2	14.04578	0.01338	14.03722	220424960	4010325	105
08/24/2017 22:24:15	16.67573	16.69613	16.64962	727.92218	728	727.89996	18.35912	18.5	18.1	17.00017	17.2	16.9	37.26636	37.57205	36.82392	1.35894	1.4	1.1	14.12915	0.03926	14.12083	220424960	4010325	105
08/24/2017 22:29:15	16.67549	16.70238	16.65834	727.93023	728	727.89996	18.06656	18.1	18	16.99328	17	16.9	37.56865	37.93225	37.12872	1.07328	1.1	1	14.21252	0.00887	14.20416	220424960	4010325	105
08/24/2017 22:34:15	16.67587	16.69137	16.64962	727.99597	728	727.89996	18	18.1	17.9	16.96973	17	16.9	37.78161	38.23704	37.32267	1.03026	1.19999	0.99999	14.29599	0.01697	14.2875	220424960	4010325	105
08/24/2017 22:39:15	16.67587	16.69137	16.64962	727.99597	728	727.89996	18	18.1	17.9	16.96973	17	16.9	37.78161	38.23704	37.32267	1.03026	1.19999	0.99999	14.37944	0.00887	14.37055	220424960	4010325	105
08/24/2017 22:44:15	16.67421	16.68888	16.64962	727.9508	728	727.89996	17.93277	18	17.8	16.92959	17	16.9	37.91348	38.26474	37.54434	1.00318	1.1	0.8	14.46288	0.03925	14.45388	220424960	4010325	105
08/24/2017 22:49:15	16.67319	16.69364	16.65439	728	728	728	17.77263	17.9	17.7	16.85966	16.9	16.7	38.18426	38.59724	37.68288	0.91296	1.1	0.8	14.54634	0.03922	14.5375	220424960	4010325	105
08/24/2017 22:54:15	16.67319	16.69364	16.65439	728	728	728	17.77263	17.9	17.7	16.85966	16.9	16.7	38.18426	38.59724	37.68288	0.91296	1.1	0.8	14.62979	0.03923	14.62055	220424960	4010325	105
08/24/2017 22:59:15	16.67362	16.69364	16.64816	728	728	728	17.69665	17.8	17.5	16.77335	16.9	16.7	38.37482	38.70807	38.1262	0.9233	1.1	0.8	14.71324	0	14.70388	220424960	4010325	105
08/24/2017 23:04:15	16.67288	16.69535	16.65291	728	728	728	17.48067	17.7	17.4	16.52245	16.7	16.4	38.41232	38.84661	38.01537	0.95822	1.1	0.69999	14.79666	0	14.7875	220424960	4010325	105

08/24/2017 23:09:15	16.67288	16.69535	16.65291	728	728	728	17.48067	17.7	17.4	16.52245	16.7	16.4	38.41232	38.84661	38.01537	0.95822	1.1	0.69999	14.88006	0.09511	14.87055	220424960	4010325	105
08/24/2017 23:14:15	16.67588	16.70007	16.65615	727.9992	728	727.89996	17.38341	17.4	17.3	16.34036	16.4	16.3	38.38691	38.76348	37.98767	1.04304	1.09999	0.99999	14.96345	0.01686	14.95388	220424960	4010325	105
08/24/2017 23:19:15	16.67695	16.70007	16.65615	727.97979	728	727.89996	17.28675	17.4	17.2	16.31345	16.4	16.3	38.36666	38.76348	37.87683	0.9733	1.09999	0.8	15.04688	0.03916	15.03722	220424960	4010325	105
08/24/2017 23:24:15	16.67646	16.70634	16.65615	728	728	728	17.18586	17.3	17.1	16.33343	16.4	16.3	38.26768	38.59724	37.71058	0.85242	1	0.69999	15.13033	0	15.12055	220424960	4010325	105
08/24/2017 23:29:15	16.6732	16.69852	16.65934	728	728	728	16.79328	16.8	16.7	16.04973	16.2	16	38.09941	38.40329	37.766	0.74354	0.8	0.6	15.21377	0	15.20416	220424960	4010325	105
08/24/2017 23:34:15	16.6732	16.69852	16.65934	728	728	728	16.79328	16.8	16.7	16.04973	16.2	16	38.09941	38.40329	37.766	0.74354	1.2	0.7	15.29717	0	15.28722	220424960	4010325	105
08/24/2017 23:39:15	16.67584	16.69225	16.65623	728	728	728	16.73363	16.8	16.7	15.71973	16	15.6	38.01984	38.32016	37.65517	1.01389	1.2	0.7	15.38057	0.03015	15.37055	220424960	4010325	105
08/24/2017 23:44:15	16.67472	16.70689	16.63337	728.09997	728.09997	728.09997	16.46609	16.6	16.3	15.16521	15.4	15	37.79708	38.07079	37.51663	1.30088	1.5	1.1	15.464	0	15.45416	220424960	4010325	105
08/24/2017 23:49:15	16.67472	16.70689	16.63337	728.09997	728.09997	728.09997	16.46609	16.6	16.3	15.16521	15.4	15	37.79708	38.07079	37.51663	1.30088	1.5	1.2	15.54749	0	15.5375	220424960	4010325	105
08/24/2017 23:54:15	16.67394	16.68175	16.65361	728.09997	728.09997	728.09997	16.34913	16.5	16.2	15.04305	15.1	14.9	37.65205	37.98767	37.32267	1.30607	1.5	1.2	15.63093	0.07797	15.62055	220424960	4010325	105
08/24/2017 23:59:15	16.67358	16.69268	16.64896	728.09997	728.09997	728.09997	16.18675	16.3	16.1	14.95962	15	14.9	37.50888	37.84912	37.15642	1.22713	1.4	1.1	15.71435	0	15.70388	220424960	4010325	105
08/25/2017 00:04:15	16.67399	16.69268	16.65989	728.09997	728.09997	728.09997	16.0572	16.2	15.9	14.99977	15.1	14.9	37.35134	37.71058	37.10101	1.05743	1.2	0.8	15.79777	0	15.78722	220424960	4010325	105
08/25/2017 00:09:15	16.67658	16.69517	16.65989	728.01446	728.09997	728	15.94611	16.1	15.7	15.08007	15.2	15	37.56056	38.01537	37.15642	0.86604	1	0.6	15.88123	0	15.87055	220424960	4010325	105
08/25/2017 00:14:15	16.67628	16.69053	16.6602	727.93359	728	727.89996	15.82909	16	15.7	15.02692	15.1	14.9	37.9462	38.29245	37.59975	0.80217	1.1	0.6	15.96467	0.0224	15.95388	220424960	4010325	105
08/25/2017 00:19:15	16.67537	16.68673	16.65858	727.89996	727.89996	727.89996	15.64619	15.7	15.6	15.00025	15.1	14.9	38.27725	38.56953	37.766	0.64593	0.9	0.4	16.04807	0.01658	16.03722	220424960	4010325	105
08/25/2017 00:24:15	16.67495	16.70645	16.6523	727.87573	727.89996	727.79998	15.5471	15.7	15.4	14.91928	15.1	14.6	38.5534	38.92974	38.18162	0.62781	0.9	0.4	16.13145	0.08563	16.12055	220424960	4010325	105
08/25/2017 00:29:15	16.67489	16.69137	16.6523	727.88281	727.89996	727.79998	15.48989	15.6	15.4	14.88249	15	14.8	38.67526	38.95744	38.34787	0.6074	0.9	0.49999	16.21489	0	16.20416	220424960	4010325	105
08/25/2017 00:34:15	16.67349	16.696	16.65066	727.89996	727.89996	727.89996	15.42038	15.5	15.3	14.65937	14.9	14.5	38.58137	38.90203	38.23704	0.76101	0.9	0.49999	16.29831	0.06136	16.28722	220424960	4010325	105
08/25/2017 00:39:15	16.67385	16.696	16.65529	727.89996	727.89996	727.89996	15.27633	15.4	15.1	14.58989	14.8	14.5	38.40277	38.76348	38.04308	0.68644	0.9	0.3	16.38174	0.02244	16.37083	220424960	4010325	105
08/25/2017 00:44:15	16.67385	16.696	16.65529	727.89996	727.89996	727.89996	15.27633	15.4	15.1	14.58989	14.8	14.5	38.40277	38.76348	38.04308	0.68644	0.9	0.3	16.46495	0.06136	16.45416	220424960	4010325	105
08/25/2017 00:49:15	16.6738	16.69137	16.65066	727.89996	727.89996	727.89996	15.12826	15.4	15	14.72036	15	14.5	38.28304	38.62495	37.90454	0.4079	0.8	0.1	16.54816	0	16.53722	220424960	4010325	105
08/25/2017 00:54:15	16.67459	16.69137	16.65858	727.89996	727.89996	727.89996	15.06994	15.3	15	14.8603	15	14.6	38.16855	38.54183	37.766	0.20964	0.5	0.1	16.63136	0.01652	16.62055	220424960	4010325	105
08/25/2017 00:59:15	16.6737	16.69137	16.65066	727.89996	727.89996	727.89996	15.03634	15.1	15	14.76541	14.9	14.6	38.1643	38.48641	37.90454	0.27093	0.5	0.1	16.71457	0	16.70388	220424960	4010325	105
08/25/2017 01:04:15	16.67455	16.69766	16.65066	727.89996	727.89996	727.89996	14.98314	15.1	14.8	14.84369	15	14.6	38.15033	38.40329	37.84912	0.13944	0.5	0	16.79777	0	16.78722	220424960	4010325	105
08/25/2017 01:09:15	16.67434	16.68591	16.65314	727.84777	727.89996	727.79998	14.88652	15	14.8	14.58655	14.6	14.5	38.13816	38.48641	37.84912	0.29997	0.4	0.2	16.88097	0.03892	16.87083	220424960	4010325	105
08/25/2017 01:14:15	16.67434	16.68591	16.65314	727.84777	727.89996	727.79998	14.88652	15	14.8	14.58655	14.6	14.5	38.13816	38.48641	37.84912	0.29997	0.4	0.2	16.96417	0	16.95388	220424960	4010325	105
08/25/2017 01:19:15	16.6763	16.68591	16.65778	727.79998	727.79998	727.79998	14.84571	15	14.8	14.57309	14.6	14.5	38.16967	38.4587	37.73829	0.27262	0.4	0.2	17.04738	0.05538	17.03722	220424960	4010325	105
08/25/2017 01:24:15	16.6768	16.69052	16.65778	727.8219	727.89996	727.79998	14.80336	14.9	14.8	14.51371	14.6	14.4	38.08694	38.34787	37.71058	0.28965	0.4	0.2	17.13058	0.02245	17.12055	220424960	4010325	105
08/25/2017 01:29:15	16.67381	16.68804	16.65611	727.83966	727.89996	727.79998	14.78988	14.9	14.7	14.40266	14.5	14.3	38.08505	38.431	37.766	0.38722	0.5	0.3	17.21378	0	17.20388	220424960	4010325	105
08/25/2017 01:34:15	16.67418	16.69514	16.65149	727.87646	727.89996	727.79998	14.75315	14.8	14.7	14.34305	14.4	14.3	37.93527	38.29245	37.54434	0.4101	0.5	0.3	17.29699	0.02245	17.28722	220424960	4010325	105
08/25/2017 01:39:15	16.67644	16.69974	16.65903	727.81408	727.89996	727.79998	14.71682	14.8	14.7	14.24279	14.3	14	37.92031	38.20932	37.59975	0.47403	0.8	0.4	17.3802	0	17.37055	220424960	4010325	105
08/25/2017 01:44:15	16.67517	16.6963	16.65024	727.83361	727.89996	727.79998	14.6097	14.7	14.4	13.96663	14.2	13.9	37.80996	38.18162	37.37809	0.64307	0.8	0.4	17.4634	0.03885	17.45416	220424960	4010325	105
08/25/2017 01:49:15	16.6753	16.6963	16.65273	727.79998	727.79998	727.79998	14.51915	14.7	14.4	13.88651	14	13.8	37.83846	38.26474	37.51663	0.63263	0.8	0.49999	17.5466	0.07768	17.5375	220424960	4010325	105
08/25/2017 01:54:15	16.6753	16.6963	16.65273	727.79998	727.79998	727.79998	14.51915	14.7	14.4	13.88651	14	13.8	37.83846	38.26474	37.51663	0.63263	0.8	0.49999	17.62981	0.09399	17.62055	220424960	4010325	105
08/25/2017 01:59:15	16.67668	16.6963	16.65732	727.79998	727.79998	727.79998	14.44307	14.5	14.4	13.85291	13.9	13.8	37.78385	38.0985	37.51663	0.59015	0.7	0.49999	17.71301	0.06134	17.70388	220424960	4010325	105
08/25/2017 02:04:15	16.67492	16.6963	16.65273	727.79998	727.79998	727.79998	14.40336	14.5	14.4	13.90338	14	13.8	37.67659	38.01537	37.4058	0.49998	0.59999	0.4	17.79621	0	17.78722	220424960	4010325	105
08/25/2017 02:09:15	16.67514	16.69172	16.66113	727.81005	727.89996	727.79998	14.37307	14.4	14.2	13.96701	14	13.9	37.61749	37.90454	37.29496	0.40606	0.49999	0.2	17.87942	0.08386	17.87055	220424960	4010325	105
08/25/2017 02:14:15	16.67461	16.69344	16.64813	727.79998	727.79998	727.79998	14.27268	14.4	14.2	13.99948	14.2	13.9	37.59641	37.82141	37.32267	0.27319	0.49999	0	17.96262	0.03885	17.95388	220424960	4010325	105
08/25/2017 02:19:15	16.6749	16.69344	16.65903	727.79596	727.79998	727.69995	14.20336	14.3	14.2	14.00673	14.2	14	37.55338	37.90454	37.12872	0.19663	0.3	0	18.04582	0	18.03722	220424960	4010325	105
08/25/2017 02:24:15	16.67229	16.6879	16.64891	727.69995	727.69995	727.69995	14.15314	14.2	14.1	13.80362	13.9	13.7	37.81486	38.26474	37.43351	0.34952	0.4	0.19999	18.12903	0.02248	18.12083	220424960	4010325	105
08/25/2017 02:29:15	16.67229	16.6879	16.64891	727.69995	727.69995	727.69995	14.15314	14.2	14.1	13.80362	13.9	13.7	37.81486	38.26474	37.43351	0.34952	0.4	0.19999	18.21223	0.06131	18.20388	220424960	4010325	105
08/25/2017 02:34:15	16.67257	16.68158	16.6535	727.69995	727.69995	727.69995	14.07361	14.1	13.9	13.77981	13.8	13.7	38.19106	38.48641	37.87683	0.2938	0.4	0.1	18.29543	0.03882	18.2875	220424960	4010325	105
08/25/2017 02:39:15	16.67257	16.68158	16.6535	727.69995	727.69995	727.69995	14.07361	14.1	13.9	13.77981	13.8	13.7	38.19106	38.48641	37.87683	0.2938	0.4	0.1	18.37864	0.03137	18.37055	220424960	4010325	105
08/25/2017 02:44:15	16.67194	16.69247	16.6598	727.70269	727.79998	727.69995	13.99568	14.1	13.8	13.79299	13.9	13.7	38.33488	38.65265	38.07079	0.20269	0.4	0	18.46184	0	18.45388	220424960	4010325	105
08/25/2017 02:49:15	16.67401	16.69247	16.65732	727.72857	727.79998	727.69995	13.95323	14.1	13.8	13.82359	13.9	13.7	38.52302	38.8189	38.18162	0.12966	0.3	0	18.54504	0	18.53722	220424960	4010325	105
08/25/2017 02:54:15	16.67334	16.69247	16.6535	727.70092	727.79998	727.69995	13.96738	14.1	13.8	13.75287	13.8	13.7	38.64215	39.01286	38.18162	0.21451	0.4	0	18.62824	0.01629	18.62055	220424960	4010325	105
08/25/2017 02:59:15	16.67724	16.69073	16.66439	727.70575	727.79998	727.69995	13.88315	14.1	13.8	13.63631	13.7	13.6	38.7958	39.06828	38.51412	0.24683	0.5	0.1	18.71145	0	18.70388	220424960	4010325	105
08/25/2017 03:04:15	16.67755	16.70161	16.66473	727.72454	727.79998	727.69995	13.80579	13.9	13.8	13.61275	13.7	13.4	39.02871	39.37307	38.76348	0.19304	0.4	0.1	18.79465	0	18.7875	220424960	4010325	105
08/25/2017 03:09:15	16.67755	16.70161	16.66473	727.72454	727.79998	727.69995	13.80579	13.9	13.8	13.61275	13.7	13.4	39.02871	39.37307	38.76348	0.19304	0.4	0.1	18.87786	0.00626	18.87055	220424960	4010325	105
08/25/2017 03:14:15	16.67689	16.69073	16.65385	727.72088	727.79998	727.69995	13.78991	13.8	13.7	13.57309	13.7	13.4	38.99629	39.40077	38.59724	0.21682	0.4	0.1	18.96106	0.08381	18.95388	220424960	4010325	105
08/25/2017 03:19:15	16.67653	16.69912	16.66473	727.79998	727.79998	727.79998	13.77335	13.8	13.7	13.51445	13.6	13.4	38.90192	39.23453	38.59724	0.2589	0.4	0.1	19.04426	0.03876	19.03722	220424960	4010325	105
08/25/2017 03:24:15	16.676	16.69912	16.66473	727.79998	727.79998	727.79998	13.73942	13.8	13.7	13.4538	13.6	13.4	38.8684	39.20681	38.40329	0.28562	0.4	0.1	19.12747	0	19.12055	220424960	4010325	105
08/25/2017 03:29:15	16.6762	16.68897	16.6609	727.74371	727.79998	727.69995	13.70001	13.8	13.6	13.38654	13.4	13.3	38.85082	39.34536	38.54183	0.31346	0.4	0.19999	19.21067	0	19.20388	220424960	4010325	105
08/25/2017 03:34:15	16.67555	16.69351	16.6609	727.69995	727.69995	727.69995	13.68384	13.7	13.6	13.36326	13.4	13.3	38.85055	39.20681	38.51412	0.32057	0.5	0.3	19.29387	0.00887	19.28722	220424960	4010325	105
08/25/2017 03:39:15	16.67432	16.696	16.66162	727.60095	727.69995	727.59997	13.61683	13.7	13.6	13.27713	13.3	13.1	38.81913	39.12369	38.54183	0.33969	0.6	0.3	19.37708	0.04507	19.37083	220424960	4010325	105
08/25/2017 03:44:15	16.67432	16.696	16.66162	727.60095	727.69995	727.59997	13.61683	13.7	13.6	13.27713	13.3	13.1	38.81913	39.12369	38.54183	0.33969	0.6	0.3	19.46028	0	19.45388	220424960	4010325	105
08/25/2017 03:49:15	16.67542	16.69422	16.66162	727.59997	727.59997	727.59997	13.57334	13.6	13.5	13.16727	13.3	13.1	38.78211	39.09598	38.4587	0.40607	0.5	0.2	19.54348	0	19.53722	220424960	4010325	105
08/25/2017 03:54:15	16.67516	16.69422	16.6553	727.59997	727.59997	727.59997	13.52624	13.6	13.5	13.03971	13.1	13	38.76729	39.01286	38.4587	0.48653	0.6	0.4	19.62669	0.01618	19.62055	220424960	4010325	105
08/25/2017 03:59:15	16.67544	16.69422	16.6553	727.59997	727.59997	727.59997	13.45959	13.5	13.3	13.02693	13.1	13	38.6008	38.84661	38.32016	0.43266	0.5	0.3	19.70989	0.05494	19.70416	220424960	4010325	105
08/25/2017 04:04:15	16.67544	16.69422	16.6553	727.59997	727.59997	727.59997	13.45959	13.5	13.3	13.02693	13.1	13	38.6008	38.84661	38.32016	0.43266	0.5	0.3	19.79309	0.02255	19.78722	220424960	4010325	105
08/25/2017 04:09:15	16.67541	16.68335	16.6553	727.59997	727.59997	727.59997	13.35251	13.5	13.3	13.03698	13.1	13	38.58216	38.87432	38.26474	0.31552	0.5	0.2	19.87629	0.01618	19.87055	220424960	4010325	105
08/25/2017 04:14:15	16.67368	16.69422	16.66162	727.59997	727.59997	727.59997	13.27981	13.3	13.1	13.08655	13.2	13	38.54976	38.87432	38.26474	0.19326	0.3	0	19.9595	0.03876	19.95416	220424960	4010325	105
08/25/2017 04:19:15	16.67368	16.69422	16.66162	727.59997	727.59997	727.59997	13.27981	13.3	13.1	13.08655	13.2	13	38.54976	38.87432	38.26474	0.19326	0.3	0	20.0427	0	20.03722	220424960	4010325	105
08/25/2017 04:24:15	16.67572	16.696	16.65707	727.59997	727.59997	727.59997	13.24104	13.3	13.1	13.26641	13.3	13.1	38.57515	38.87432	38.29245	0.05891	0.2	0	20.1259	0	20.12083	220424960	4010325	105
08/25/2017 04:29:15	16.67572	16.696	16.65707	727.59997	727.59997	727.59997	13.24104	13.3	13.1	13.26641	13.3	13.1	38.57515	38.87432	38.29245	0.05891	0.2	0	20.20911	0.01622	20.20388	220424960	4010325	105
08/25/2017 04:34:15	16.67448	16.68968	16.65075	727.59997	727.59997	727.59997	13.14639	13.3	13.1	13.13294	13.3	13	38.61083	38.87432	38.23704	0.06052	0.2	0	20.29231	0	20.2875	220424960	4010325	105
08/25/2017 04:39:15	16.67448	16.68968	16.65075	727.59997	727.59997	727.59997	13.14639	13.3	13.1	13.13294	13.3	13	38.61083	38.87432	38.23704	0.06052	0.2	0	20.37551	0.03876	20.37055	220424960	4010325	105
08/25/2017 04:44:15	16.6739	16.68968	16.65075	727.59997	727.59997	727.59997	13.12622	13.2	13.1	13.08011	13.2	13	38.60361	38.90203	38.23704	0.05282	0.2	0	20.45872	0.02255	20.45416	220424960	4010325	105
08/25/2017 04:49:15	16.6739	16.68968	16.65075	727.59997	727.59997	727.59997	13.12622	13.2	13.1	13.08011	13.2	13	38.60361	38.90203	38.23704	0.05282	0.2	0	20.54192	0.03874	20.53722	220424960	4010325	105
08/25/2017 04:54:15	16.67534	16.69422	16.6553	727.59997	727.59997	727.59997	13.12693	13.3	13.1	13.03704	13.1	13	38.57125	38.7912	38.32016	0.08988	0.3	0	20.62512	0.02256	20.62055	220424960	4010325	105
08/25/2017 04:59:15	16.67416	16.68789	16.6553	727.59997	727.59997	727.59997	13.1296	13.2	13.1	13.05994	13.1	13	38.53296	38.90203	38.23704	0.06966	0.2	0	20.70833	0.0775	20.70388	220424960	4010325	105
08/25/2017 05:04:15	16.6739	16.68968	16.65075	727.59997	727.59997	727.59997	13.10671	13.2	13	13.1235	13.3	13	38.56762	38.90203	38.29245	0.04369	0.2	0	20.79153	0	20.7875	220424960	4010325	105
08/25/2017 05:09:15	16.6739	16.68968	16.65075	727.59997	727.59997	727.59997	13.10671	13.2	13	13.1235	13.3	13	38.56762	38.90203	38.29245	0.04369	0.2	0	20.87473	0.00632	20.87055	220424960	4010325	105
08/25/2017 05:14:15	16.67408	16.68968	16.66162	727.59997	727.59997	727.59997	13.10673	13.3	13	13.14301	13.3	13.1	38.64825	38.90203	38.23704	0.05648	0.1	0	20.95794	0.03876	20.95416	220424960	4010325	105
08/25/2017 05:19:15	16.67267	16.68968	16.66162	727.59997	727.59997	727.59997	13.09999	13.2	13	13.10336	13.2	13.1	38.61224	38.87432	38.26474	0.01009	0.1	0	21.04114	0	21.03722	220424960	4010325	105
08/25/2017 05:24:15	16.67312	16.68968	16.66162	727.59997	727.59997	727.59997	13.08992	13.1	13	13.11007	13.2	13.1	38.66098	38.92974	38.32016	0.02015	0.19999	0	21.12434	0	21.12083	220424960	4010325	105
08/25/2017 05:29:15	16.67312	16.68968	16.66162	727.59997	727.59997	727.59997	13.08992	13.1	13	13.11007	13.2	13.1	38.66098	38.92974	38.32016	0.02015	0.19999	0	21.20754	0	21.20388	220424960	4010325	105
08/25/2017 05:34:15	16.6729	16.68968	16.66162	727.59997	727.59997	727.59997	13.09357	13.1	13	13.1067	13.2	13.1	38.63577	38.95744	38.32016	0.01313	0.1	0	21.29075	0.01618	21.28722	220424960	4010325	105
08/25/2017 05:39:15	16.6767	16.69875	16.66436	727.59997	727.59997	727.59997	13.09327	13.1	13	12.99257	13.1	12.8	38.67492	38.92974	38.32016	0.1007	0.3	0	21.37395	0.03871	21.37083	220424960	4010325	105
08/25/2017 05:44:15	16.6767	16.69875	16.66436	727.59997	727.59997	727.59997	13.09327	13.1	13	12.99257	13.1	12.8	38.67492	38.92974	38.32016	0.1007	0.3	0	21.45716	0.02896	21.45388	220424960	4010325	105
08/25/2017 05:49:15	16.67665	16.70508	16.66436	727.59997	727.59997	727.59997	13.07982	13.1	13	12.97447	13.1	12.8	38.62103	38.92974	38.34787	0.11205	0.3	0	21.54036	0	21.53722	220424960	4010325	105
08/25/2017 05:54:15	16.67656	16.69875	16.66436	727.59997	727.59997	727.59997	13.07066	13.1	13	12.97308	13	12.8	38.65245	38.92974	38.4587	0.09758	0.3	0	21.62356	0	21.62055	220424960	4010325	105
08/25/2017 05:59:16	16.67485	16.6854	16.65281	727.67443	727.69995	727.59997	13.05386	13.1	13	12.99661	13.1	12.8	38.55465	38.87432	38.26474	0.06397	0.2	0	21.70677	0	21.70416	220424960	4010325	105
08/25/2017 06:04:15	16.67485	16.6854	16.65281	727.67443	727.69995	727.59997	13.05386	13.1	13	12.99661	13.1	12.8	38.55465	38.87432	38.26474	0.06397	0.3	0	21.78997	0.04514	21.7875	220424960	4010325	105
08/25/2017 06:09:15	16.67434	16.69626	16.65913	727.69995	727.69995	727.69995	13.05694	13.1	13	12.98315	13.1	12.8	38.51927	38.7912	38.20932	0.08053	0.3	0	21.87317	0.03873	21.87055	220424960	4010325	105
08/25/2017 06:14:15	16.67386	16.6854	16.66188	727.69793	727.69995	727.59997	13.0236	13.1	13	12.95956	13	12.8	38.49712	38.8189	38.20932	0.06404	0.1	0	21.95638	0	21.95416	220424960	4010325	105
08/25/2017 06:19:15	16.67279	16.6854	16.66367	727.69995	727.69995	727.69995	13.02022	13.1	13	13.04011	13.1	13	38.50837	38.76348	38.15391	0.04682	0.1	0	22.03958	0.02256	22.03722	220424960	4010325	105

08/25/2017 06:24:15	16.67243	16.69173	16.65458	727.72113	727.79998	727.69995	13.00673	13.1	13	13.10002	13.3	13	38.52883	38.8189	38.18162	0.09329	0.3	0	22.12278	0.03875	22.12055	220424960	4010325	105
08/25/2017 06:29:16	16.67501	16.69102	16.66296	727.81878	727.89996	727.79998	13.00669	13.1	13	13.30973	13.4	13.2	38.53371	38.95744	38.26474	0.30303	0.4	0.19999	22.20599	0.01622	22.20416	220424960	4010325	105
08/25/2017 06:34:15	16.67501	16.69102	16.66296	727.81878	727.89996	727.79998	13.00669	13.1	13	13.30973	13.4	13.2	38.53371	38.95744	38.26474	0.30303	0.4	0.19999	22.28919	0.03873	22.28722	220424960	4010325	105
08/25/2017 06:39:15	16.67556	16.68853	16.65593	727.89996	727.89996	727.89996	13.02256	13.1	13	13.3431	13.4	13.3	38.56205	38.87432	38.26474	0.32053	0.4	0.2	22.37239	0.07749	22.37055	220424960	4010325	105
08/25/2017 06:44:16	16.6759	16.69486	16.66224	727.89996	727.89996	727.89996	13.03703	13.1	13	13.34345	13.4	13.3	38.63145	39.01286	38.29245	0.30642	0.4	0.2	22.45559	0	22.45416	220424960	4010325	105
08/25/2017 06:49:16	16.67396	16.68575	16.65137	727.89996	727.89996	727.89996	13.07305	13.1	13	13.48406	13.6	13.3	38.65166	38.98516	38.29245	0.41101	0.59999	0.3	22.5388	0.00625	22.5375	220424960	4010325	105
08/25/2017 06:54:16	16.67383	16.69663	16.65975	727.91607	728	727.89996	13.0697	13.1	13	13.43976	13.6	13.4	38.72544	38.98516	38.431	0.37006	0.59999	0.3	22.622	0.08641	22.62083	220424960	4010325	105
08/25/2017 06:59:15	16.67383	16.69663	16.65975	727.91607	728	727.89996	13.0697	13.1	13	13.43976	13.6	13.4	38.72544	38.98516	38.431	0.37006	0.59999	0.3	22.70521	0	22.70388	220424960	4010325	105
08/25/2017 07:04:16	16.67577	16.69763	16.65865	728	728	728	13.15673	13.3	13.1	13.80302	14	13.6	38.96916	39.31765	38.54183	0.64628	0.8	0.4	22.78841	0.06131	22.7875	220424960	4010325	105
08/25/2017 07:09:16	16.67567	16.69476	16.65743	728	728	728	13.25668	13.3	13.1	14.22971	14.5	14	39.32987	39.8441	39.04057	0.97303	1.19999	0.69999	22.87161	0.01643	22.87083	220424960	4010325	105
08/25/2017 07:14:15	16.67567	16.69476	16.65743	728	728	728	13.25668	13.3	13.1	14.22971	14.5	14	39.32987	39.8441	39.04057	0.97303	1.19999	0.69999	22.95481	0.03892	22.95388	220424960	4010325	105
08/25/2017 07:19:16	16.67455	16.69016	16.65909	728.00103	728.09997	728	13.41347	13.5	13.3	14.50676	14.6	14.4	39.4452	39.8441	38.92974	1.09329	1.3	0.9	23.03802	0	23.0375	220424960	4010325	105
08/25/2017 07:24:15	16.67661	16.70195	16.65661	728.08221	728.09997	728	13.58967	13.7	13.5	14.63963	14.8	14.6	38.72415	39.23453	38.26474	1.04996	1.3	0.9	23.12123	0	23.12055	220424960	4010325	105
08/25/2017 07:29:15	16.67569	16.69103	16.65361	728.09997	728.09997	728.09997	13.74664	13.8	13.6	14.76011	15	14.6	38.80959	39.17911	38.431	1.01346	1.2	0.8	23.20443	0.03897	23.20388	220424960	4010325	105
08/25/2017 07:34:16	16.6755	16.69649	16.66368	728.18322	728.19995	728.09997	14.18933	14.4	14.1	15.09699	15.1	15	38.62458	38.98516	38.34787	0.90766	1	0.7	23.28763	0.03898	23.2875	220424960	4010325	105
08/25/2017 07:39:15	16.6755	16.69649	16.66368	728.18322	728.19995	728.09997	14.18933	14.4	14.1	15.09699	15.1	15	38.62458	38.98516	38.34787	0.90766	1	0.7	23.37083	0.03903	23.37055	220424960	4010325	105
08/25/2017 07:44:15	16.67424	16.69346	16.64809	728.19995	728.19995	728.19995	14.43655	14.5	14.4	15.40102	15.5	15.1	38.79751	39.1514	38.54183	0.96447	1.1	0.69999	23.45404	0	23.45388	220424960	4010325	105
08/25/2017 07:49:16	16.67541	16.69039	16.65189	728.28619	728.29998	728.19995	14.91006	15	14.8	15.89363	16.1	15.7	37.71252	38.18162	37.32267	0.98356	1.19999	0.8	23.53724	0.0782	23.5375	220424960	4010325	105
08/25/2017 07:54:16	16.67541	16.69039	16.65189	728.28619	728.29998	728.19995	14.91006	15	14.8	15.89363	16.1	15.7	37.71252	38.18162	37.32267	0.98356	1	0.6	23.62045	0.0391	23.62055	220424960	4010325	105
08/25/2017 07:59:15	16.67443	16.70202	16.65504	728.29998	728.29998	728.29998	15.20972	15.4	15	16.04659	16.2	15.7	37.9653	38.37558	37.51663	0.83687	1	0.6	23.70366	0.06144	23.70388	220424960	4010325	105
08/25/2017 08:04:16	16.67485	16.70202	16.65189	728.29998	728.29998	728.29998	15.49291	15.7	15.4	16.10565	16.4	16	38.34254	38.76348	37.84912	0.61274	0.8	0.3	23.78686	0.04457	23.7875	220424960	4010325	105
08/25/2017 08:09:16	16.67651	16.69887	16.65645	728.29998	728.29998	728.29998	15.82316	16	15.6	16.40973	16.7	16.2	38.70041	39.01286	38.23704	0.58656	0.8	0.3	23.87006	0	23.87055	220424960	4010325	105
08/25/2017 08:14:15	16.67745	16.7004	16.65495	728.29998	728.29998	728.29998	16.12987	16.3	16	16.49298	16.7	16.4	38.61708	39.20681	37.90454	0.36311	0.6	0.1	23.95327	0.03921	23.95388	220424960	4010325	105

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Alarm Log Data	
	VRL2-PM2.5	

Time	Status	Ch.No.	Message
08/21/2017 12:26:56	Recovery	1-2	Leak check passed
08/21/2017 12:26:56	Recovery	3-0	Mains Power Lost
08/21/2017 12:26:59	Occurrence	2-2	Power Failure
08/21/2017 12:27:04	Recovery	2-2	Power Failure
08/21/2017 16:31:04	Recovery	3-0	Mains Power Lost
08/21/2017 16:31:07	Occurrence	2-2	Power Failure
08/21/2017 16:31:12	Recovery	2-2	Power Failure
08/21/2017 16:32:04	Occurrence	1-1	Leak Check Started
08/21/2017 16:33:28	Recovery	1-1	Leak Check Started
08/21/2017 16:33:28	Occurrence	1-2	Leak check passed
08/21/2017 16:35:36	Occurrence	1-1	Leak Check Started
08/21/2017 16:35:36	Recovery	1-2	Leak check passed
08/21/2017 16:35:37	Recovery	1-1	Leak Check Started
08/21/2017 16:38:06	Occurrence	1-1	Leak Check Started
08/21/2017 16:39:07	Recovery	1-1	Leak Check Started
08/21/2017 16:40:06	Occurrence	2-15	Ambient Temperature Updated
08/21/2017 16:40:06	Recovery	2-15	Ambient Temperature Updated
08/21/2017 16:40:36	Occurrence	2-14	Filter Temperature Updated
08/21/2017 16:40:37	Recovery	2-14	Filter Temperature Updated
08/21/2017 16:40:55	Occurrence	2-13	Barometric Pressure Updated
08/21/2017 16:40:55	Recovery	2-13	Barometric Pressure Updated
08/21/2017 16:41:13	Occurrence	1-5	Flow Calibration started
08/21/2017 16:43:15	Occurrence	1-7	Flow Calibration completed - passed
08/21/2017 16:43:15	Recovery	1-5	Flow Calibration started
08/21/2017 16:44:18	Recovery	1-7	Flow Calibration completed - passed
08/21/2017 18:49:58	Occurrence	1-15	Custom sample selected
08/21/2017 18:49:59	Occurrence	1-10	Sample has been engaged
08/21/2017 18:55:00	Recovery	1-10	Sample has been engaged
08/21/2017 18:55:00	Occurrence	1-11	Sample has been started
08/22/2017 18:54:59	Recovery	1-11	Sample has been started
08/22/2017 18:54:59	Recovery	1-15	Custom sample selected
08/22/2017 19:49:07	Occurrence	1-10	Sample has been engaged
08/22/2017 19:49:07	Occurrence	1-15	Custom sample selected
08/22/2017 19:49:59	Recovery	1-10	Sample has been engaged
08/22/2017 19:49:59	Occurrence	1-11	Sample has been started
08/23/2017 19:50:00	Recovery	1-11	Sample has been started
08/23/2017 19:50:00	Recovery	1-15	Custom sample selected
08/24/2017 08:32:56	Recovery	3-0	Mains Power Lost
08/24/2017 08:32:59	Occurrence	2-2	Power Failure
08/24/2017 08:33:04	Recovery	2-2	Power Failure
08/24/2017 08:43:16	Occurrence	1-10	Sample has been engaged
08/24/2017 08:43:16	Occurrence	1-15	Custom sample selected
08/24/2017 08:45:00	Recovery	1-10	Sample has been engaged

08/24/2017 08:45:00	Occurrence	1-11	Sample has been started
08/25/2017 08:45:00	Recovery	1-11	Sample has been started
08/25/2017 08:45:00	Recovery	1-15	Custom sample selected

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Alarm Log Data	

Time	Status	Ch.No.	Message
08/21/2017 12:27:44	Recovery	3-0	Mains Power Lost
08/21/2017 12:27:44	Recovery	3-7	Battery discharged
08/21/2017 12:27:44	Recovery	3-8	Battery Failure - Replace Batteries
08/21/2017 12:27:45	Occurrence	2-2	Power Failure
08/21/2017 12:27:51	Recovery	2-2	Power Failure
08/21/2017 16:34:04	Recovery	3-0	Mains Power Lost
08/21/2017 16:34:05	Occurrence	2-2	Power Failure
08/21/2017 16:34:11	Recovery	2-2	Power Failure
08/21/2017 16:34:43	Occurrence	1-1	Leak Check Started
08/21/2017 16:36:06	Recovery	1-1	Leak Check Started
08/21/2017 16:36:06	Occurrence	1-2	Leak check passed
08/21/2017 16:38:14	Occurrence	1-1	Leak Check Started
08/21/2017 16:38:14	Recovery	1-2	Leak check passed
08/21/2017 16:39:36	Recovery	1-1	Leak Check Started
08/21/2017 16:39:36	Occurrence	1-2	Leak check passed
08/21/2017 16:50:25	Occurrence	2-15	Ambient Temperature Updated
08/21/2017 16:50:25	Recovery	2-15	Ambient Temperature Updated
08/21/2017 16:50:43	Occurrence	2-14	Filter Temperature Updated
08/21/2017 16:50:43	Recovery	2-14	Filter Temperature Updated
08/21/2017 16:50:58	Occurrence	2-13	Barometric Pressure Updated
08/21/2017 16:50:58	Recovery	2-13	Barometric Pressure Updated
08/21/2017 16:51:06	Occurrence	1-5	Flow Calibration started
08/21/2017 16:52:46	Occurrence	1-7	Flow Calibration completed - passed
08/21/2017 16:52:47	Recovery	1-5	Flow Calibration started
08/21/2017 16:53:10	Recovery	1-7	Flow Calibration completed - passed
08/21/2017 16:53:23	Occurrence	1-5	Flow Calibration started
08/21/2017 16:53:30	Occurrence	1-6	Flow Calibration quit by operator
08/21/2017 16:53:30	Recovery	1-5	Flow Calibration started
08/21/2017 16:53:30	Recovery	1-6	Flow Calibration quit by operator
08/21/2017 16:53:35	Occurrence	1-5	Flow Calibration started
08/21/2017 16:55:15	Occurrence	1-7	Flow Calibration completed - passed
08/21/2017 16:55:15	Recovery	1-5	Flow Calibration started
08/21/2017 16:55:17	Recovery	1-7	Flow Calibration completed - passed
08/21/2017 18:50:49	Occurrence	1-10	Sample has been engaged
08/21/2017 18:50:49	Occurrence	1-15	Custom sample selected
08/21/2017 18:53:04	Recovery	1-10	Sample has been engaged
08/21/2017 18:53:04	Recovery	1-15	Custom sample selected
08/21/2017 18:53:14	Occurrence	1-10	Sample has been engaged
08/21/2017 18:53:14	Occurrence	1-15	Custom sample selected
08/21/2017 18:55:01	Recovery	1-10	Sample has been engaged
08/21/2017 18:55:01	Occurrence	1-11	Sample has been started
08/22/2017 18:55:00	Recovery	1-11	Sample has been started
08/22/2017 18:55:00	Recovery	1-15	Custom sample selected

08/23/2017 19:04:37	Occurrence	3-0	Mains Power Lost
08/23/2017 19:06:19	Recovery	3-0	Mains Power Lost
08/23/2017 19:56:42	Occurrence	3-0	Mains Power Lost
08/23/2017 22:31:53	Occurrence	3-7	Battery discharged
08/24/2017 00:06:30	Occurrence	3-8	Battery Failure - Replace Batteries
08/24/2017 08:31:25	Recovery	1-2	Leak check passed
08/24/2017 08:31:25	Recovery	3-0	Mains Power Lost
08/24/2017 08:31:25	Recovery	3-7	Battery discharged
08/24/2017 08:31:25	Recovery	3-8	Battery Failure - Replace Batteries
08/24/2017 08:31:26	Occurrence	2-2	Power Failure
08/24/2017 08:31:32	Recovery	2-2	Power Failure
08/24/2017 08:43:44	Occurrence	1-10	Sample has been engaged
08/24/2017 08:43:44	Occurrence	1-15	Custom sample selected
08/24/2017 08:46:20	Recovery	1-10	Sample has been engaged
08/24/2017 08:46:20	Recovery	1-15	Custom sample selected
08/24/2017 08:46:33	Occurrence	1-10	Sample has been engaged
08/24/2017 08:46:33	Occurrence	1-15	Custom sample selected
08/24/2017 08:47:00	Recovery	1-10	Sample has been engaged
08/24/2017 08:47:00	Occurrence	1-11	Sample has been started
08/25/2017 08:47:00	Recovery	1-11	Sample has been started
08/25/2017 08:47:00	Recovery	1-15	Custom sample selected

Project Name	TE-Wilbur screen program V3.5	4.91
File Type	Alarm Log Data	
	VRL3-PM2.5	

Time	Status	Ch.No.	Message
08/21/2017 17:09:23	Occurrence	2-2	Power Failure
08/21/2017 17:09:28	Recovery	2-2	Power Failure
08/21/2017 17:26:11	Occurrence	1-1	Leak Check Started
08/21/2017 17:27:35	Recovery	1-1	Leak Check Started
08/21/2017 17:27:35	Occurrence	1-2	Leak check passed
08/21/2017 17:28:02	Occurrence	1-1	Leak Check Started
08/21/2017 17:28:02	Recovery	1-2	Leak check passed
08/21/2017 17:29:26	Occurrence	1-2	Leak check passed
08/21/2017 17:29:26	Recovery	1-1	Leak Check Started
08/21/2017 17:36:35	Occurrence	2-15	Ambient Temperature Updated
08/21/2017 17:36:35	Recovery	2-15	Ambient Temperature Updated
08/21/2017 17:36:48	Occurrence	2-14	Filter Temperature Updated
08/21/2017 17:36:49	Recovery	2-14	Filter Temperature Updated
08/21/2017 17:37:06	Occurrence	2-13	Barometric Pressure Updated
08/21/2017 17:37:06	Recovery	2-13	Barometric Pressure Updated
08/21/2017 17:37:12	Occurrence	1-5	Flow Calibration started
08/21/2017 17:39:13	Occurrence	1-7	Flow Calibration completed - passed
08/21/2017 17:39:13	Recovery	1-5	Flow Calibration started
08/21/2017 17:39:28	Recovery	1-7	Flow Calibration completed - passed
08/21/2017 19:02:17	Occurrence	1-10	Sample has been engaged
08/21/2017 19:02:17	Occurrence	1-15	Custom sample selected
08/21/2017 19:05:00	Recovery	1-10	Sample has been engaged
08/21/2017 19:05:00	Occurrence	1-11	Sample has been started
08/22/2017 19:05:00	Recovery	1-11	Sample has been started
08/22/2017 19:05:00	Recovery	1-15	Custom sample selected
08/22/2017 19:53:28	Occurrence	1-10	Sample has been engaged
08/22/2017 19:53:28	Occurrence	1-15	Custom sample selected
08/22/2017 19:55:00	Recovery	1-10	Sample has been engaged
08/22/2017 19:55:00	Occurrence	1-11	Sample has been started
08/23/2017 19:55:00	Recovery	1-11	Sample has been started
08/23/2017 19:55:00	Recovery	1-15	Custom sample selected
08/24/2017 08:58:02	Recovery	1-2	Leak check passed
08/24/2017 08:58:02	Recovery	3-0	Mains Power Lost
08/24/2017 08:58:05	Occurrence	2-2	Power Failure
08/24/2017 08:58:10	Recovery	2-2	Power Failure
08/24/2017 09:02:28	Occurrence	1-10	Sample has been engaged
08/24/2017 09:02:28	Occurrence	1-15	Custom sample selected
08/24/2017 09:05:01	Recovery	1-10	Sample has been engaged
08/24/2017 09:05:01	Occurrence	1-11	Sample has been started
08/25/2017 09:05:00	Recovery	1-11	Sample has been started
08/25/2017 09:05:00	Recovery	1-15	Custom sample selected

Project Name	TE-Wilbur screen program V3.5	4.91	
File Type	Alarm Log Data		
	VRL1-PM2.5		
Time	Status	Ch.No.	Message
08/21/2017 18:57:14	Recovery	3-0	Mains Power Lost
08/21/2017 18:57:16	Occurrence	2-2	Power Failure
08/21/2017 18:57:21	Recovery	2-2	Power Failure
08/21/2017 18:58:19	Occurrence	1-1	Leak Check Started
08/21/2017 18:59:40	Recovery	1-1	Leak Check Started
08/21/2017 18:59:40	Occurrence	1-2	Leak check passed
08/21/2017 18:59:59	Recovery	1-2	Leak check passed
08/21/2017 19:00:00	Occurrence	1-1	Leak Check Started
08/21/2017 19:00:26	Recovery	1-1	Leak Check Started
08/21/2017 19:00:26	Occurrence	1-3	Leak check failed
08/21/2017 19:00:26	Occurrence	1-4	Leak check failed - did not reach pressure
08/21/2017 19:03:21	Occurrence	1-1	Leak Check Started
08/21/2017 19:03:21	Recovery	1-3	Leak check failed
08/21/2017 19:03:21	Recovery	1-4	Leak check failed - did not reach pressure
08/21/2017 19:03:44	Recovery	1-1	Leak Check Started
08/21/2017 19:03:44	Occurrence	1-3	Leak check failed
08/21/2017 19:03:44	Occurrence	1-4	Leak check failed - did not reach pressure
08/21/2017 19:04:27	Occurrence	1-1	Leak Check Started
08/21/2017 19:04:27	Recovery	1-3	Leak check failed
08/21/2017 19:04:27	Recovery	1-4	Leak check failed - did not reach pressure
08/21/2017 19:04:40	Recovery	1-1	Leak Check Started
08/21/2017 19:05:00	Occurrence	1-1	Leak Check Started
08/21/2017 19:06:22	Recovery	1-1	Leak Check Started
08/21/2017 19:06:22	Occurrence	1-2	Leak check passed
08/21/2017 19:16:52	Occurrence	2-15	Ambient Temperature Updated
08/21/2017 19:16:52	Recovery	2-15	Ambient Temperature Updated
08/21/2017 19:17:07	Occurrence	2-14	Filter Temperature Updated
08/21/2017 19:17:07	Recovery	2-14	Filter Temperature Updated
08/21/2017 19:17:17	Occurrence	2-13	Barometric Pressure Updated
08/21/2017 19:17:17	Recovery	2-13	Barometric Pressure Updated
08/21/2017 19:17:23	Occurrence	1-5	Flow Calibration started
08/21/2017 19:18:47	Occurrence	1-7	Flow Calibration completed - passed
08/21/2017 19:18:48	Recovery	1-5	Flow Calibration started
08/21/2017 19:19:01	Recovery	1-7	Flow Calibration completed - passed
08/21/2017 18:29:52	Occurrence	1-10	Sample has been engaged
08/21/2017 18:29:52	Occurrence	1-15	Custom sample selected
08/21/2017 18:35:00	Recovery	1-10	Sample has been engaged
08/21/2017 18:35:00	Occurrence	1-11	Sample has been started
08/22/2017 18:35:00	Recovery	1-11	Sample has been started
08/22/2017 18:35:00	Recovery	1-15	Custom sample selected
08/22/2017 19:31:52	Occurrence	1-10	Sample has been engaged
08/22/2017 19:31:52	Occurrence	1-15	Custom sample selected
08/22/2017 19:35:00	Recovery	1-10	Sample has been engaged
08/22/2017 19:35:00	Occurrence	1-11	Sample has been started
08/23/2017 10:56:02	Occurrence	2-12	5 Deg Temp variance for 30 minutes

08/23/2017 19:34:59	Recovery	1-15	Custom sample selected
08/23/2017 19:35:00	Recovery	1-11	Sample has been started
08/24/2017 08:14:17	Recovery	1-2	Leak check passed
08/24/2017 08:14:17	Recovery	3-0	Mains Power Lost
08/24/2017 08:14:20	Occurrence	2-2	Power Failure
08/24/2017 08:14:25	Recovery	2-2	Power Failure
08/24/2017 08:15:31	Occurrence	1-10	Sample has been engaged
08/24/2017 08:15:31	Occurrence	1-15	Custom sample selected
08/24/2017 08:17:00	Recovery	1-10	Sample has been engaged
08/24/2017 08:17:00	Occurrence	1-11	Sample has been started

APPENDIX F

Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15	Column16	Column17	Column18	Column19	Column20	Column21	Column22	Column23	Column24	Column25	Column26	Column27	Column28	Column29	Column30
		Temp	Hi	Low	Out	Dew	Wind	Wind	Wind	Hi	Hi	Wind	Heat	THW			Rain	Heat	Cool	In	In	In	In	In	In Air	Wind	Wind	ISS	Arc.
Date	Time	Out	Temp	Temp	Hum	Pt.	Speed	Dir	Run	Speed	Dir	Chill	Index	Index	Bar	Rain	Rate	D-D	D-D	Temp	Hum	Dew	Heat	EMC	Density	Samp	Tx	Recept	Int.
08/21/17	12:10 a	85.1	85.3	85.1	40	58.1	0.0	---	0.00	0.0	---	85.1	85.2	85.2	29.832	0.00	0.00	0.000	0.140	89.9	45	65.7	93.2	8.15	.0705	201	7	100.0	10
08/21/17	12:20 a	84.9	85.1	84.9	40	57.9	0.0	---	0.00	0.0	---	84.9	85.0	85.0	29.834	0.00	0.00	0.000	0.138	89.7	45	65.5	92.9	8.16	.0705	203	7	100.0	10
08/21/17	12:30 a	84.7	84.9	84.7	40	57.7	0.0	---	0.00	0.0	---	84.7	84.9	84.9	29.837	0.00	0.00	0.000	0.137	89.7	45	65.5	92.9	8.16	.0705	201	7	100.0	10
08/21/17	12:40 a	84.5	84.7	84.5	40	57.5	0.0	---	0.00	0.0	---	84.5	84.7	84.7	29.839	0.00	0.00	0.000	0.135	89.5	45	65.4	92.6	8.16	.0705	203	7	100.0	10
08/21/17	12:50 a	84.3	84.5	84.3	40	57.3	0.0	---	0.00	0.0	---	84.3	84.5	84.5	29.845	0.00	0.00	0.000	0.134	89.4	45	65.3	92.5	8.16	.0706	202	7	100.0	10
08/21/17	1:00 a	84.1	84.3	84.1	40	57.2	0.0	---	0.00	0.0	---	84.1	84.4	84.4	29.849	0.00	0.00	0.000	0.133	89.3	44	64.5	91.9	8.06	.0706	204	7	100.0	10
08/21/17	1:10 a	83.9	84.1	83.9	40	57.0	0.0	---	0.00	0.0	---	83.9	84.1	84.1	29.850	0.00	0.00	0.000	0.131	89.1	44	64.3	91.7	8.07	.0707	203	7	100.0	10
08/21/17	1:20 a	83.7	83.9	83.7	40	56.8	0.0	---	0.00	0.0	---	83.7	83.8	83.8	29.856	0.00	0.00	0.000	0.130	89.0	44	64.3	91.5	8.07	.0707	203	7	100.0	10
08/21/17	1:30 a	83.5	83.7	83.5	41	57.3	0.0	---	0.00	0.0	---	83.5	83.7	83.7	29.849	0.00	0.00	0.000	0.128	88.9	44	64.2	91.3	8.07	.0707	202	7	100.0	10
08/21/17	1:40 a	83.3	83.5	83.3	41	57.1	0.0	---	0.00	0.0	---	83.3	83.3	83.3	29.855	0.00	0.00	0.000	0.127	88.7	44	64.0	90.9	8.08	.0708	203	7	100.0	10
08/21/17	1:50 a	83.0	83.3	83.0	41	56.9	0.0	---	0.00	0.0	---	83.0	82.9	82.9	29.853	0.00	0.00	0.000	0.125	88.6	44	63.9	90.7	8.08	.0708	202	7	100.0	10
08/21/17	2:00 a	82.7	83.0	82.7	41	56.6	0.0	---	0.00	0.0	---	82.7	82.4	82.4	29.855	0.00	0.00	0.000	0.123	88.4	44	63.7	90.2	8.08	.0708	201	7	100.0	10
08/21/17	2:10 a	82.4	82.7	82.4	41	56.3	0.0	---	0.00	0.0	---	82.4	82.0	82.0	29.853	0.00	0.00	0.000	0.121	88.3	44	63.6	90.0	8.08	.0708	202	7	100.0	10
08/21/17	2:20 a	82.1	82.4	82.1	42	56.7	0.0	---	0.00	0.0	---	82.1	81.7	81.7	29.854	0.00	0.00	0.000	0.119	88.1	44	63.4	89.6	8.09	.0709	201	7	100.0	10
08/21/17	2:30 a	81.9	82.1	81.9	42	56.6	0.0	---	0.00	0.0	---	81.9	81.4	81.4	29.860	0.00	0.00	0.000	0.117	88.0	44	63.4	89.4	8.09	.0709	203	7	100.0	10
08/21/17	2:40 a	81.7	81.9	81.7	42	56.4	0.0	---	0.00	0.0	---	81.7	81.1	81.1	29.864	0.00	0.00	0.000	0.116	87.8	44	63.2	89.2	8.09	.0709	203	7	100.0	10
08/21/17	2:50 a	81.5	81.7	81.5	42	56.2	0.0	---	0.00	0.0	---	81.5	80.9	80.9	29.866	0.00	0.00	0.000	0.115	87.7	44	63.1	89.1	8.10	.0710	200	7	100.0	10
08/21/17	3:00 a	81.3	81.5	81.3	42	56.0	0.0	---	0.00	0.0	---	81.3	80.6	80.6	29.870	0.00	0.00	0.000	0.113	87.5	44	62.9	88.9	8.10	.0710	205	7	100.0	10
08/21/17	3:10 a	81.2	81.4	81.2	43	56.6	0.0	---	0.00	0.0	---	81.2	80.6	80.6	29.871	0.00	0.00	0.000	0.112	87.4	44	62.8	88.8	8.10	.0710	204	7	100.0	10
08/21/17	3:20 a	81.0	81.2	81.0	43	56.4	0.0	---	0.00	0.0	---	81.0	80.4	80.4	29.868	0.00	0.00	0.000	0.111	87.2	44	62.6	88.6	8.11	.0711	204	7	100.0	10
08/21/17	3:30 a	80.8	81.0	80.8	43	56.2	0.0	---	0.00	0.0	---	80.8	80.2	80.2	29.868	0.00	0.00	0.000	0.110	87.0	44	62.5	88.4	8.11	.0711	204	7	100.0	10
08/21/17	3:40 a	80.6	80.8	80.6	43	56.0	0.0	---	0.00	0.0	---	80.6	80.0	80.0	29.870	0.00	0.00	0.000	0.108	86.9	44	62.4	88.2	8.11	.0711	203	7	100.0	10
08/21/17	3:50 a	80.5	80.6	80.4	43	55.9	0.0	---	0.00	0.0	---	80.5	79.9	79.9	29.871	0.00	0.00	0.000	0.108	86.7	44	62.2	87.9	8.12	.0711	203	7	100.0	10
08/21/17	4:00 a	80.3	80.5	80.3	43	55.8	0.0	---	0.00	0.0	---	80.3	79.7	79.7	29.869	0.00	0.00	0.000	0.106	86.6	44	62.1	87.8	8.12	.0712	202	7	100.0	10
08/21/17	4:10 a	80.2	80.3	80.2	43	55.7	0.0	---	0.00	0.0	---	80.2	79.6	79.6	29.870	0.00	0.00	0.000	0.106	86.4	44	61.9	87.5	8.12	.0712	204	7	100.0	10
08/21/17	4:20 a	80.0	80.2	80.0	45	56.7	0.0	---	0.00	0.0	---	80.0	79.6	79.6	29.869	0.00	0.00	0.000	0.104	86.2	44	61.7	87.2	8.13	.0712	203	7	100.0	10
08/21/17	4:30 a	79.8	80.0	79.8	44	55.9	0.0	---	0.00	0.0	---	79.8	79.3	79.3	29.866	0.00	0.00	0.000	0.103	86.1	44	61.6	87.1	8.13	.0712	203	7	100.0	10
08/21/17	4:40 a	79.4	79.8	79.4	45	56.2	0.0	---	0.00	0.0	---	79.4	79.1	79.1	29.870	0.00	0.00	0.000	0.100	85.9	44	61.5	86.8	8.13	.0713	203	7	100.0	10
08/21/17	4:50 a	79.0	79.4	79.0	45	55.8	0.0	---	0.00	0.0	---	79.0	78.7	78.7	29.870	0.00	0.00	0.000	0.097	85.7	43	60.6	86.4	7.95	.0713	205	7	100.0	10
08/21/17	5:00 a	78.7	79.0	78.7	46	56.2	0.0	---	0.00	0.0	---	78.7	78.5	78.5	29.872	0.00	0.00	0.000	0.095	85.5	43	60.4	86.2	7.95	.0714	203	7	100.0	10
08/21/17	5:10 a	78.5	78.7	78.5	46	56.0	0.0	---	0.00	0.0	---	78.5	78.2	78.2	29.876	0.00	0.00	0.000	0.094	85.3	43	60.3	86.0	7.95	.0714	202	7	100.0	10
08/21/17	5:20 a	78.4	78.5	78.4	46	55.9	0.0	---	0.00	0.0	---	78.4	78.1	78.1	29.882	0.00	0.00	0.000	0.093	85.2	43	60.2	85.9	7.95	.0715	203	7	100.0	10
08/21/17	5:30 a	78.2	78.4	78.2	46	55.7	0.0	---	0.00	0.0	---	78.2	77.9	77.9	29.886	0.00	0.00	0.000	0.092	85.0	43	60.0	85.6	7.95	.0715	203	7	100.0	10
08/21/17	5:40 a	78.0	78.2	78.0	46	55.5	0.0	---	0.00	0.0	---	78.0	77.7	77.7	29.886	0.00	0.00	0.000	0.090	84.8	43	59.8	85.5	7.95	.0715	203	7	100.0	10
08/21/17	5:50 a	77.9	78.0	77.9	46	55.5	0.0	---	0.00	0.0	---	77.9	77.6	77.6	29.885	0.00	0.00	0.000	0.090	84.6	43	59.6	85.3	7.96	.0716	203	7	100.0	10
08/21/17	6:00 a	77.8	77.9	77.8	46	55.4	0.0	---	0.00	0.0	---	77.8	77.5	77.5	29.884	0.00	0.00	0.000	0.089	84.5	43	59.5	85.2	7.96	.0716	203	7	100.0	10
08/21/17	6:10 a	75.4	77.8	75.4	53	57.1	0.0	---	0.00	0.0	---	75.4	75.7	75.7	29.885	0.00	0.00	0.000	0.072	84.3	43	59.4	85.0	7.96	.0716	204	7	100.0	10
08/21/17	6:20 a	67.3	75.1	67.3	68	56.4	0.0	---	0.00	0.0	---	67.3	67.6	67.6	29.885	0.00	0.00	0.000	0.016	84.1	43	59.2	84.9	7.97	.0717	204	7	100.0	10
08/21/17	6:30 a	64.9	67.2	64.9	74	56.4	0.0	---	0.00	0.0	---	64.9	65.1	65.1	29.889	0.00	0.00	0.001	0.000	83.7	43	58.8	84.3	7.98	.0717	204	7	100.0	10
08/21/17	6:40 a	63.9	64.9	63.9	77	56.5	0.0	---	0.00	0.0	---	63.9	64.1	64.1	29.891	0.00	0.00	0.008	0.000	83.2	43	58.4	83.5	7.99	.0718	204	7	100.0	10
08/21/17	6:50 a	64.3	64.3	63.3	78	57.3	1.0	WSW	0.17	11.0	WSW	64.3	64.7	64.7	29.882	0.00	0.00	0.005	0.000	82.6	43	57.8	82.6	8.00	.0719	205	7	100.0	10
08/21/17	7:00 a	68.3	68.3	64.4	69	57.7	13.0	W	2.17	29.0	W	64.7	68.8	65.2	29.956	0.00	0.00	0.000	0.023	82.1	42	56.7	81.7	7.85	.0722	204	7	100.0	10
08/21/17	7:10 a	68.3	68.9	68.3	66	56.5	14.0	W	2.33	31.0	W	64.3	68.5	64.5	29.941	0.00	0.00	0.000	0.023	81.4	42	56.1	80.8	7.85	.0723	203	7	100.0	10
08/21/17	7:20 a	67.6	68.3	67.6	71	57.9	18.0	W	3.00	29.0	W	62.3	68.2	62.9	29.961	0.00	0.00	0.000	0.018	80.9	42	55.7	80.1	7.85	.0724	204	7	100.0	10
08/21/17	7:30 a	67.0	67.6	66.9	73	58.1	19.0	W	3.17	30.0	W	61.4	67.6	62.0	29.975	0.00	0.00	0.000	0.014	80.4	42	55.2	79.6	7.85	.0725	204	7	100.0	10
08/21/17	7:40 a	67.4	67.4	67.0	74	58.8	16.0	W	2.67	24.0	W	62.6	68.1	63.3	29.996	0.00	0.00	0.000	0.017	79.9	42	54.8	79.2	7.85	.0727	203	7	100.0	10
08/21/17	7:50 a	69.0	69.0	67.4	72	59.6	14.0	W	2.33	25.0	W	65.0	69.6	65.6	30.018	0.00	0.00	0.000	0.028	79.3	42	54.2	78.7	7.86	.0728	203	7	100.0	10
08/21/17	8:00 a	70.5	70.5	69.0	68	59.4	7.0	W	1.17	16.0	W	70.5	70.6	70.6	30.001	0.00	0.00	0.000	0.038	78.7	42	53.7	78.1	7.88	.0729	205	7	100.0	10
08/21/17	8:10 a	71.2	71.3	70.5	67	59.7	14.0	W	2.33	24.0	W	67.4	71.4	67.6	29.973	0.00	0.00	0.000	0.043	78.4	42	53.4	77.7	7.88	.0729	204	7	100.0	10
08/21/17	8:20 a	72.4	72.4	71.2	64	59.5	15.0	W	2.50	31.0	WNW	68.3	72.8	68.7	29.981	0.00	0.00	0.000	0.051	78.3	42	53.3	77.6	7.88	.0729	203	7	100.0	10
08/21/17	8:30 a	73.1	73.1	72.5	62	59.3	1.0	W	0.17	3.0	W	73.1	73.7	73.7	29.931	0.00	0.00	0.000	0.056	77.9	42	53.0	77.2	7.89	.0729	204	7	100.0	10
08/21/17	8:40 a	72.5	73.5	72.5	62	58.7	7.0	W	1.17	17.0	W	72.5	72.8	72.8	29.702	0.00	0.00	0.000	0.052	77.8	42	52.9	77.1	7.89	.0723	204	7	100.0	10
08/21/17	8:50 a	70.9	72.5	70.9	63	57.7	11.0	W	1.83	31.0	W	68.3	70.6	68.0	29.682	0.00	0.00	0.000	0.041	77.8	42	52.9	77.1	7.89	.0723	204	7	100.0	10
08/21/17	9:00 a	69.0	70.8	69.0	66	57.2	11.0	W	1.83	28.0	W	66.4	69.0	66.4	29.523	0.00	0.00	0.000	0.028	77.7	42	52.8	77.0	7.90	.0719	204	7	100.0	10
08/21/17	9:10 a	67.0	68.9	67.0	69	56.5	2.0	W	0.33	11.0	W	67.0	67.3	67.3	29.346	0.00	0.00	0.000	0.014	77.6	42	52.7	76.9	7.90	.0715	204	7	100.0	10
08/21/17	9:20 a	66.8	67.0	66.8	70	56.7	2.0	W	0.33	7.0	W	66.8	67.2	67.2	29.346	0.00	0.00	0.000	0.013	77.5	42	52.6	76.8	7.90	.0715	205	7	100.0	10
08/21/17	9:30 a	66.6	66.8	66.6	71	56.9	2.0	W	0.33	7.0	W	66.6	67.0	67.0	29.349	0.00	0.00	0.000	0.011	77.4	42	52.5	76.7	7.90	.0715	202	7	100.0	10
08/21/17	9:40 a	66.6	66.6	66.5	71	56.9	2.0	W	0.33	7.0	W	66.6	67.0	67.0	29.353	0.00	0.00	0.000	0.011	77.1	42	52.2	76.4	7.91	.0716	202	7	100.0	10
08/21/17	9:50 a	66.8	66.8	66.5	71	57.1	2.0	W	0.33	7.0	W	66.8	67.2	67.2	29.349	0.00	0.00	0.000	0.013	76.6	41	51.1	75.8	7.75	.0717	203	7	100.0	10
08/21/17	10:00 a	66.3	66.8	66.3	71	56.6	2.0	W	0.33	6.0	W	66.3	66.6	66.6	29.352	0.00	0.00	0.000	0.009	76.1	41	50.7	75.3	7.75	.0717	205	7	100.0	10
08/21/17	10:10 a	65.7	66.3	65.7	72	56.4	2.0	W	0.33	7.0	W	65.7	66.0	66.0	29.354	0.00	0.00	0.000	0.005	75.5	40	49.5	74.6	7.64	.0719	204	7	100.0	10
08/21/17	10:20 a	65.2	65.7	65.2	73	56.3	2.0	W	0.33	7.0	W	65.2	65.4	65.4	29.357	0.00	0.00	0.000	0.001	74.9	40	48.9	74.1	7.65	.0720	201	7	100.0	10
08/21/17	10:30 a	64.9	65.2	64.9	74	56.4	2.0	W	0.33	7.0	W	64.9	65.1	65.1	29.359	0.00	0.00	0.001	0.000	74.6	40	48.7	73.8	7.66	.0720	204	7	100.0	10
08/21/17	10:40 a	64.9	64.9	64.8	75	56.8	2.0	W	0.33	9.0	W	64.9	65.2	65.2	29.360	0.00	0.00	0.001	0.000	74.3	40	48.4	73.4	7.66	.0721	205	7	100.0	10
08/21/17	10:50 a	65.1	65.2	64.9	74	56.6	2.0	W	0.33	9.0	W	65.1	65.4	65.4	29.059	0.00	0.00	0.000	0.001	74.0	40	48.1	73.1	7.67	.0714	204	7	100.0	10
08/21/17	11:00 a	65.4	65.4	65.0	75	57.3	0.0	W	0.00	7.0	W	65.4	65.8	65.8	29.061	0.00	0.00	0.000	0.003	73.7	40	47.9	72.7	7.68	.0714	204	7	100.0	10
08/21/17	11:10 a	64.6	65.4	64.6	76	56.9	12.0	NNW	2.00	18.0	N	61.0	64.9	61.3	29.060	0.00	0.00	0.003	0.000	74.1	56	57.4	74.4	10.27	.0710	205	7	100.0	10
08/21/17	11:20 a	65.2	65.2	64.6	75	57.1	12.0	N	2.00	18.0	N	61.7	65.5	62.0	29.060	0.00	0.00	0.000	0.001	75.4	54	57.6	75.7	9.84	.0708	204	7	100.0	10
08/21/17	11:30 a	66.4	66.4	65.2	72	57.1	12.0	E	2.00	18.0	N	63.1	66.8	63.5	29.059	0.00	0.00	0.000	0.010	82.7	44	58.6	82.9	8.15	.0699	203	7	100.0	10
08/21/17	11:40 a	67.5	67.5	66.4	70	57.4	12.0	E	2.00	17.0	E	64.4	68.0	64.9	29.053	0.00	0.00	0.000	0.017	87.0	39	59.0	87.2	7.31	.0693	204	7	100.0	10
08/21/17	11:50 a	68.5	68.6	67.5	67	57.1	11.0	NE	1.83	17.0	NE	65.9	68.7	66.1	29.051	0.00	0.00	0.000	0.024	88.9	37	59.3	88.8	6.97	.0690	205	7	100.0	10
08/21/17	12:00 p	69.4	69.4	68.5	65	57.1	11.0	NE	1.83	17.0	N	66.8	69.2	66.6	29.052	0.00	0.00	0.000	0.031	91.1	34	58.8	91.1	6.53	.0688	203	7	100.0	10
08/21/17	12:10 p	69.8	69.8	69.3	64	57.1	11.0	N	1.83	17.0	NNE	67.2	69.4	66.8	29.052	0.00	0.00	0.000	0.033	93.6	32	59.3	94.0	6.18	.0684	204	7	100.0	10
08/21/17	12:20 p	70.7	70.7	69.8	61	56.6	11.0	NE	1.83	18.0	NNE	68.1	70.2	67.6	29.050	0.00	0.00	0.000	0.040	95.5	29	58.2	95.6	5.56	.0682	204	7	100.0	10
08/21/17	12:30 p	71.4	71.4	70.6	60	56.8	10.0	WSW	1.67	16.0	NNE	69.3	71.1	69.0	29.045	0.00	0.00	0.000	0.044	92.5	32	58.4	92.6	6.20	.0686	205	7	100.0	10
08/21/17	12:40 p	71.5	71.9	71.4	59	56.4	12.0	NNW	2.00	17.0	NNW	68.5	71.1	68.1	29.046	0.00	0.00	0.000	0.045	90.9	33	57.8	90.7	6.43	.0688	203	7	100.0	10
08/21/17	12:50 p	72.4	72.4	71.5	58	56.8	10.0	NNW	1.67	17.0	NNW	70.3	72.3	70.2	29.047	0.00	0.00	0.000	0.051	92.3	32	58.2	92.3	6.20	.0686	203	7	100.0	10
08/21/17	1:00 p	73.1	73.2	72.4	57	57.0	10.0	NNW	1.67	16.0	NNW	71.0	73.3	71.2	29.045	0.00	0.00	0.000	0.056	92.6	32	58.4	92.7	6.20	.0686	204	7	100.0	10
08/21/17	1:10 p	73.9	74.1	73.1	55	56.7	11.0	NNW	1.83	17.0	NNW	71.4	74.1	71.6	29.045	0.00	0.00	0.000	0.062	88.4	36	58.1	87.7	6.82	.0691	205	7	100.0	10
08/21/17	1:20 p	74.6	74.6	73.8	54	56.9	10.0	N	1.67	16.0	NNE	72.6	74.9	72.9	29.040	0.00	0.00	0.000	0.067	84.2	40	57.3	84.5	7.55	.0697	204	7	100.0	10
08/21/17	1:30 p	75.5	75.5	74.6	54	57.7	11.0	N	1.83	17.0	N	73.2	75.8	73.5	29.044	0.00	0.00	0.000	0.073	82.7	43	57.9	82.7	8.00	.0698	203	7	100.0	10
08/21/17	1:40 p	75.7	75.7	75.0	54	57.9	11.0	NE	1.83	17.0	NE	73.4	76.0	73.7	29.043	0.00	0.00	0.000	0.074	81.0	45	57.7	80.6	8.33	.0701	203	7	100.0	10
08/21/17	1:50 p	76.0	76.0	75.5	53	57.6	11.0	NNW	1.83	18.0	N	73.7	76.2	73.9	29.041	0.00	0.00	0.000	0.076	80.7	45	57.4	80.3	8.34	.0701	205	7	100.0	10
08/21/17	2:00 p	76.9	76.9	76.1	51	57.4	10.0	NNW	1.67	18.0	NNW	75.0	76.8	74.9	29.041	0.00	0.00	0.000	0.083	81.5	45	58.1	81.3	8.32	.0700	204	7	100.0	10
08/21/17	2:10 p	76.7	77.1	76.7	51	57.2	11.0	NNW	1.83	18.0	NNW	74.4	76.6	74.3	29.037	0.00	0.00	0.000	0.081	81.9	43	57.2	81.5	8.01	.0700	204	7	100.0	10
08/21/17	2:20 p	77.1	77.3	76.6	51	57.6	12.0	N	2.00	17.0	N	74.5	77.0	74.4	29.036	0.00	0.00	0.000	0.084	82.4	43	57.7	82.3	8.00	.0699	204	7	100.0	10
08/21/17	2:30 p	77.0	77.1	76.5	51	57.5	10.0	N	1.67	16.0	NNW	75.1	76.9	75.0	29.034	0.00	0.00	0.000	0.083	81.4	44	57.4	81.0	8.15	.0700	204	7	100.0	10
08/21/17	2:40 p	77.6	77.6	77.0	50	57.5	12.0	NNW	2.00	19.0	NNW	75.1	77.5	75.0	29.030	0.00	0.00	0.000	0.087	82.2	43	57.5	82.0	8.01	.0699	204	7	100.0	10
08/21/17	2:50 p	77.8	77.9	77.5	49	57.1	11.0	NE	1.83	17.0	N	75.6	77.7	75.5	29.030	0.00	0.00	0.000	0.089	82.5	42	57.1	82.3	7.85	.0699	204	7	100.0	10
08/21/17	3:00 p	77.5	77.8	77.3	49	56.8	12.0	NE	2.00	17.0	NE	75.0	77.3	74.8	29.028	0.00	0.00	0.000	0.087	82.4	42	57.0	82.1	7.85	.0699	205	7	100.0	10
08/21/17	3:10 p	77.8	78.0	77.5	48	56.5	13.0	N	2.17	18.0	N	75.0	77.6	74.8	29.024	0.00	0.00	0.000	0.089	83.1	41	57.0	83.0	7.69	.0698	204	7	100.0	10
08/21/17	3:20 p	77.8	78.3	77.8	48	56.5	14.0	N	2.33	20.0	NNE	74.7	77.6	74.5	29.023	0.00	0.00	0.000	0.089	84.4	40	57.4	84.6	7.55	.0696	204	7	100.0	10
08/21/17	3:30 p	78.0	78.2	77.8	48	56.7	12.0	N	2.00	18.0	N	75.5	77.8	75.3	29.022	0.00	0.00	0.000	0.090	85.9	38	57.3	85.7	7.23	.0694

08/21/17	4:10 p	78.2	78.8	78.2	49	57.5	11.0	NE	1.83	16.0	NNE	76.0	78.2	76.0	29.026	0.00	0.00	0.000	0.092	87.9	36	57.6	87.0	6.81	.0691	204	7	100.0	10
08/21/17	4:20 p	77.6	78.2	77.6	49	56.9	11.0	NNW	1.83	16.0	NE	75.4	77.4	75.2	29.025	0.00	0.00	0.000	0.087	87.8	37	58.3	87.2	6.99	.0691	205	7	100.0	10
08/21/17	4:30 p	76.9	77.6	76.9	50	56.8	12.0	N	2.00	18.0	N	74.3	76.7	74.1	29.019	0.00	0.00	0.000	0.083	87.2	37	57.8	86.8	7.01	.0692	204	7	100.0	10
08/21/17	4:40 p	77.1	77.1	76.6	50	57.0	11.0	N	1.83	17.0	N	74.8	76.9	74.6	29.016	0.00	0.00	0.000	0.084	88.9	36	58.5	88.5	6.83	.0690	204	7	100.0	10
08/21/17	4:50 p	76.7	77.1	76.6	51	57.2	12.0	N	2.00	18.0	NW	74.1	76.6	74.0	29.022	0.00	0.00	0.000	0.081	92.4	32	58.3	92.4	6.20	.0685	204	7	100.0	10
08/21/17	5:00 p	76.6	76.7	76.4	51	57.1	11.0	N	1.83	16.0	NNW	74.3	76.6	74.3	29.027	0.00	0.00	0.000	0.081	94.7	30	58.4	94.9	5.76	.0683	204	7	100.0	10
08/21/17	5:10 p	75.8	76.6	75.7	53	57.4	12.0	N	2.00	17.0	N	73.1	76.0	73.3	29.026	0.00	0.00	0.000	0.075	96.2	29	58.8	96.6	5.57	.0681	203	7	100.0	10
08/21/17	5:20 p	75.8	76.3	75.8	53	57.4	12.0	N	2.00	16.0	NNE	73.1	76.0	73.3	29.027	0.00	0.00	0.000	0.075	94.9	30	58.6	95.2	5.75	.0682	203	7	100.0	10
08/21/17	5:30 p	75.5	75.9	75.5	53	57.2	11.0	N	1.83	15.0	NNW	73.2	75.8	73.5	29.034	0.00	0.00	0.000	0.073	95.8	30	59.4	96.3	5.75	.0681	203	7	100.0	10
08/21/17	5:40 p	75.3	75.5	75.2	53	57.0	11.0	N	1.83	15.0	NNW	72.9	75.6	73.2	29.032	0.00	0.00	0.000	0.072	94.1	30	57.9	94.1	5.79	.0684	205	7	100.0	10
08/21/17	5:50 p	75.2	75.6	75.2	53	56.9	10.0	NE	1.67	15.0	N	73.2	75.5	73.5	29.031	0.00	0.00	0.000	0.071	91.1	33	58.0	90.9	6.43	.0687	204	7	100.0	10
08/21/17	6:00 p	73.7	75.2	73.7	56	57.0	10.0	NE	1.67	14.0	NE	71.7	73.9	71.9	29.029	0.00	0.00	0.000	0.060	82.9	41	56.8	82.7	7.69	.0698	204	7	100.0	10
08/21/17	6:10 p	72.9	73.7	72.9	57	56.8	10.0	N	1.67	16.0	N	70.8	73.0	70.9	29.023	0.00	0.00	0.000	0.055	79.5	46	56.9	79.3	8.46	.0702	203	7	100.0	10
08/21/17	6:20 p	72.4	72.9	72.4	59	57.3	11.0	N	1.83	14.0	N	69.8	72.4	69.8	29.021	0.00	0.00	0.000	0.051	77.8	49	57.1	77.7	8.99	.0705	205	7	100.0	10
08/21/17	6:30 p	71.6	72.4	71.6	60	57.0	10.0	NNW	1.67	15.0	NNW	69.5	71.3	69.2	29.029	0.00	0.00	0.000	0.046	77.1	50	57.0	76.9	9.21	.0706	204	7	100.0	10
08/21/17	6:40 p	71.1	71.6	71.0	61	57.0	12.0	N	2.00	16.0	NNW	68.0	70.7	67.6	29.020	0.00	0.00	0.000	0.042	75.9	52	57.0	76.0	9.53	.0707	204	7	100.0	10
08/21/17	6:50 p	70.8	71.0	70.8	62	57.1	10.0	NNW	1.67	15.0	NNW	68.7	70.4	68.3	29.026	0.00	0.00	0.000	0.040	74.3	55	57.1	74.6	10.06	.0709	204	7	100.0	10
08/21/17	7:00 p	70.4	70.8	70.4	63	57.2	8.0	N	1.33	13.0	N	69.9	70.0	69.5	29.032	0.00	0.00	0.000	0.038	73.3	57	57.1	73.5	10.42	.0711	204	7	100.0	10
08/21/17	7:10 p	69.8	70.4	69.8	64	57.1	7.0	N	1.17	13.0	NE	69.8	69.4	69.4	29.027	0.00	0.00	0.000	0.033	72.3	59	57.2	72.3	10.86	.0712	204	7	100.0	10
08/21/17	7:20 p	69.4	69.9	69.4	65	57.1	9.0	NNW	1.50	14.0	NNW	68.0	69.2	67.8	29.023	0.00	0.00	0.000	0.031	71.4	61	57.2	71.1	11.19	.0713	204	7	100.0	10
08/21/17	7:30 p	69.0	69.4	69.0	66	57.2	10.0	NNW	1.67	15.0	NNW	66.9	69.0	66.9	29.033	0.00	0.00	0.000	0.028	70.8	62	57.1	70.4	11.33	.0714	205	7	100.0	10
08/21/17	7:40 p	68.8	69.0	68.8	66	57.0	9.0	N	1.50	15.0	N	67.4	68.9	67.5	29.025	0.00	0.00	0.000	0.026	70.6	62	56.9	70.2	11.34	.0714	204	7	100.0	10
08/21/17	7:50 p	68.2	68.7	68.2	67	56.8	14.0	N	2.33	19.0	N	64.2	68.5	64.5	29.015	0.00	0.00	0.000	0.022	69.7	64	57.0	69.4	11.66	.0715	203	7	100.0	10
08/21/17	8:00 p	67.5	68.1	67.5	69	57.0	11.0	N	1.83	17.0	N	64.9	67.9	65.3	29.027	0.00	0.00	0.000	0.017	68.9	65	56.6	68.8	11.87	.0717	204	7	100.0	10
08/21/17	8:10 p	67.0	67.5	67.0	69	56.5	12.0	N	2.00	17.0	N	63.8	67.3	64.1	29.019	0.00	0.00	0.000	0.014	68.3	67	56.9	68.6	12.38	.0717	205	7	100.0	10
08/21/17	8:20 p	66.0	67.1	66.0	71	56.3	14.0	N	2.33	18.0	N	61.7	66.3	62.0	29.022	0.00	0.00	0.000	0.007	67.3	68	56.4	67.6	12.66	.0719	204	7	100.0	10
08/21/17	8:30 p	65.2	66.0	65.2	73	56.3	11.0	N	1.83	17.0	NNW	62.3	65.4	62.5	29.031	0.00	0.00	0.000	0.001	66.4	70	56.3	66.7	13.29	.0720	203	7	100.0	10
08/21/17	8:40 p	64.4	65.2	64.4	75	56.3	8.0	N	1.33	13.0	N	63.7	64.6	63.9	29.038	0.00	0.00	0.004	0.000	65.7	72	56.4	66.0	13.75	.0722	204	7	100.0	10
08/21/17	8:50 p	64.0	64.4	64.0	76	56.3	11.0	N	1.83	15.0	N	60.9	64.2	61.1	29.040	0.00	0.00	0.007	0.000	65.0	74	56.5	65.2	14.25	.0722	205	7	100.0	10
08/21/17	9:00 p	63.2	64.0	63.2	78	56.2	11.0	N	1.83	18.0	ESE	60.0	63.4	60.2	29.039	0.00	0.00	0.012	0.000	64.3	75	56.2	64.5	14.48	.0724	204	7	100.0	10
08/21/17	9:10 p	63.2	63.2	63.1	78	56.2	11.0	N	1.83	17.0	E	60.0	63.4	60.2	29.042	0.00	0.00	0.012	0.000	63.9	76	56.2	64.1	14.87	.0724	204	7	100.0	10
08/21/17	9:20 p	62.7	63.2	62.7	78	55.7	9.0	N	1.50	16.0	N	60.8	62.8	60.9	29.045	0.00	0.00	0.016	0.000	63.6	76	55.9	63.7	14.88	.0725	204	7	100.0	10
08/21/17	9:30 p	61.8	62.7	61.8	80	55.6	13.0	N	2.17	17.0	N	57.4	62.0	57.6	29.045	0.00	0.00	0.022	0.000	62.8	78	55.8	62.9	15.71	.0726	205	7	100.0	10
08/21/17	9:40 p	61.2	61.8	61.2	81	55.3	12.0	N	2.00	17.0	N	57.1	61.3	57.2	29.050	0.00	0.00	0.026	0.000	62.2	79	55.6	62.3	16.14	.0727	203	7	100.0	10
08/21/17	9:50 p	60.8	61.2	60.8	82	55.3	10.0	N	1.67	15.0	N	57.9	60.9	58.0	29.057	0.00	0.00	0.029	0.000	61.6	80	55.4	61.7	16.45	.0728	204	7	100.0	10
08/21/17	10:00 p	60.2	60.8	60.2	83	55.0	11.0	N	1.83	17.0	ESE	56.5	60.2	56.5	29.059	0.00	0.00	0.033	0.000	61.1	81	55.2	61.2	16.79	.0729	204	7	100.0	10
08/21/17	10:10 p	59.8	60.2	59.8	85	55.3	12.0	N	2.00	17.0	N	55.6	59.9	55.7	29.060	0.00	0.00	0.036	0.000	60.6	83	55.4	60.7	17.46	.0730	204	7	100.0	10
08/21/17	10:20 p	59.6	59.8	59.6	85	55.1	12.0	N	2.00	16.0	E	55.3	59.7	55.4	29.060	0.00	0.00	0.038	0.000	60.3	83	55.1	60.3	17.46	.0730	204	7	100.0	10
08/21/17	10:30 p	59.6	59.6	59.5	86	55.4	10.0	N	1.67	15.0	N	56.5	59.7	56.6	29.064	0.00	0.00	0.038	0.000	60.3	84	55.4	60.4	17.85	.0730	204	7	100.0	10
08/21/17	10:40 p	59.6	59.6	59.5	86	55.4	8.0	N	1.33	12.0	N	58.0	59.7	58.1	29.069	0.00	0.00	0.038	0.000	60.3	84	55.4	60.4	17.85	.0730	205	7	100.0	10
08/21/17	10:50 p	60.2	60.2	59.6	85	55.7	8.0	ESE	1.33	12.0	ESE	58.7	60.3	58.8	29.069	0.00	0.00	0.033	0.000	60.6	84	55.7	60.7	17.85	.0730	204	7	100.0	10
08/21/17	11:00 p	61.0	61.0	60.3	83	55.8	9.0	N	1.50	13.0	ESE	58.9	61.1	59.0	29.066	0.00	0.00	0.028	0.000	61.2	82	55.7	61.3	17.10	.0729	204	7	100.0	10
08/21/17	11:10 p	61.0	61.0	60.9	82	55.5	10.0	N	1.67	12.0	N	58.1	61.1	58.2	29.066	0.00	0.00	0.028	0.000	61.3	82	55.8	61.4	17.10	.0729	203	7	100.0	10
08/21/17	11:20 p	61.2	61.3	61.0	82	55.7	10.0	N	1.67	14.0	N	58.3	61.3	58.4	29.069	0.00	0.00	0.026	0.000	61.5	81	55.6	61.6	16.81	.0728	205	7	100.0	10
08/21/17	11:30 p	60.6	61.2	60.6	82	55.1	9.0	N	1.50	13.0	ESE	58.4	60.6	58.4	29.070	0.00	0.00	0.031	0.000	61.3	81	55.4	61.4	16.80	.0729	204	7	100.0	10
08/21/17	11:40 p	59.9	60.6	59.9	83	54.7	7.0	NNW	1.17	11.0	NNW	59.1	59.9	59.1	29.068	0.00	0.00	0.035	0.000	60.9	81	55.0	60.9	16.79	.0730	203	7	100.0	10
08/21/17	11:50 p	59.6	59.9	59.6	84	54.8	5.0	NNW	0.83	10.0	NNW	59.5	59.6	59.5	29.072	0.00	0.00	0.038	0.000	60.5	82	55.0	60.5	17.07	.0730	204	7	100.0	10
08/22/17	12:00 a	59.5	59.6	59.5	85	55.0	5.0	NNW	0.83	10.0	N	59.4	59.5	59.4	29.068	0.00	0.00	0.038	0.000	60.3	83	55.1	60.3	17.46	.0730	205	7	100.0	10
08/22/17	12:10 a	59.8	59.8	59.5	84	55.0	7.0	NNW	1.17	12.0	N	59.0	59.8	59.0	29.068	0.00	0.00	0.036	0.000	60.3	83	55.1	60.3	17.46	.0730	203	7	100.0	10
08/22/17	12:20 a	59.6	59.8	59.6	84	54.8	5.0	NNW	0.83	10.0	N	59.5	59.6	59.5	29.069	0.00	0.00	0.038	0.000	60.4	83	55.2	60.5	17.46	.0730	204	7	100.0	10
08/22/17	12:30 a	59.6	59.7	59.5	85	55.1	5.0	NNW	0.83	10.0	N	59.5	59.7	59.6	29.069	0.00	0.00	0.038	0.000	60.3	83	55.1	60.3	17.46	.0730	204	7	100.0	10
08/22/17	12:40 a	59.0	59.6	59.0	85	54.5	3.0	NNW	0.50	7.0	W	59.0	59.0	59.0	29.070	0.00	0.00	0.042	0.000	60.1	82	54.6	60.1	17.05	.0731	205	7	100.0	10
08/22/17	12:50 a	58.2	59.0	58.2	87	54.3	3.0	N	0.50	6.0	N	58.2	58.2	58.2	29.066	0.00	0.00	0.047	0.000	59.5	84	54.7	59.5	17.85	.0732	204	7	100.0	10
08/22/17	1:00 a	57.8	58.2	57.8	87	54.0	2.0	W	0.33	4.0	W	57.8	57.8	57.8	29.066	0.00	0.00	0.050	0.000	59.3	84	54.5	59.3	17.85	.0732	204	7	100.0	10
08/22/17	1:10 a	57.4	57.8	57.4	88	53.9	2.0	WNW	0.33	5.0	WNW	57.4	57.4	57.4	29.062	0.00	0.00	0.053	0.000	58.9	84	54.1	58.9	17.85	.0733	204	7	100.0	10
08/22/17	1:20 a	57.0	57.3	57.0	89	53.8	2.0	E	0.33	4.0	NW	57.0	57.1	57.1	29.061	0.00	0.00	0.056	0.000	58.6	84	53.8	58.5	17.85	.0733	205	7	100.0	10
08/22/17	1:30 a	56.9	57.0	56.8	89	53.7	1.0	NW	0.17	5.0	WNW	56.9	57.0	57.0	29.056	0.00	0.00	0.056	0.000	58.4	85	53.9	58.3	18.25	.0733	201	7	100.0	10
08/22/17	1:40 a	56.9	56.9	56.8	89	53.7	2.0	WNW	0.33	5.0	WNW	56.9	57.0	57.0	29.055	0.00	0.00	0.056	0.000	58.4	85	53.9	58.3	18.25	.0733	204	7	100.0	10
08/22/17	1:50 a	56.8	56.9	56.8	89	53.6	3.0	W	0.50	6.0	W	56.8	56.9	56.9	29.054	0.00	0.00	0.057	0.000	58.3	86	54.1	58.3	18.72	.0733	204	7	100.0	10
08/22/17	2:00 a	56.5	56.8	56.5	90	53.6	4.0	W	0.67	7.0	W	56.4	56.6	56.5	29.054	0.00	0.00	0.059	0.000	58.1	86	53.9	58.0	18.71	.0734	205	7	100.0	10
08/22/17	2:10 a	56.5	56.5	56.4	91	53.9	4.0	W	0.67	7.0	W	56.4	56.6	56.5	29.052	0.00	0.00	0.059	0.000	58.0	87	54.2	58.0	19.15	.0734	204	7	100.0	10
08/22/17	2:20 a	57.0	57.0	56.5	90	54.1	2.0	WNW	0.33	8.0	NW	57.0	57.1	57.1	29.051	0.00	0.00	0.056	0.000	58.1	87	54.2	58.1	19.15	.0733	203	7	100.0	10
08/22/17	2:30 a	57.2	57.3	57.0	89	54.0	2.0	NNW	0.33	6.0	NNW	57.2	57.3	57.3	29.052	0.00	0.00	0.054	0.000	58.2	87	54.3	58.2	19.15	.0733	205	7	100.0	10
08/22/17	2:40 a	57.5	57.5	57.3	89	54.3	3.0	NNW	0.50	5.0	NNW	57.5	57.6	57.6	29.054	0.00	0.00	0.052	0.000	58.3	86	54.1	58.3	18.72	.0733	204	7	100.0	10
08/22/17	2:50 a	57.6	57.6	57.5	89	54.4	2.0	NNW	0.33	3.0	NNW	57.6	57.7	57.7	29.055	0.00	0.00	0.051	0.000	58.4	86	54.2	58.4	18.72	.0733	203	7	100.0	10
08/22/17	3:00 a	57.5	57.6	57.5	89	54.3	4.0	NNW	0.67	8.0	N	57.5	57.6	57.6	29.054	0.00	0.00	0.052	0.000	58.3	87	54.4	58.3	19.15	.0733	204	7	100.0	10
08/22/17	3:10 a	57.5	57.5	57.4	89	54.3	5.0	NNW	0.83	9.0	NNW	57.0	57.6	57.1	29.055	0.00	0.00	0.052	0.000	58.2	87	54.3	58.2	19.15	.0733	205	7	100.0	10
08/22/17	3:20 a	57.5	57.6	57.5	89	54.3	4.0	NNW	0.67	9.0	NNW	57.5	57.6	57.6	29.061	0.00	0.00	0.052	0.000	58.2	87	54.3	58.2	19.15	.0733	203	7	100.0	10
08/22/17	3:30 a	57.3	57.5	57.3	89	54.1	2.0	NW	0.33	5.0	NW	57.3	57.4	57.4	29.064	0.00	0.00	0.053	0.000	58.3	86	54.1	58.3	18.72	.0733	204	7	100.0	10
08/22/17	3:40 a	57.2	57.3	57.1	90	54.3	3.0	NNW	0.50	8.0	NNW	57.2	57.3	57.3	29.061	0.00	0.00	0.054	0.000	58.2	87	54.3	58.2	19.15	.0733	203	7	100.0	10
08/22/17	3:50 a	57.3	57.3	57.2	89	54.1	3.0	NW	0.50	8.0	NNW	57.3	57.4	57.4	29.063	0.00	0.00	0.053	0.000	58.1	87	54.2	58.1	19.15	.0734	203	7	100.0	10
08/22/17	4:00 a	57.3	57.4	57.3	89	54.1	3.0	NNW	0.50	6.0	NNW	57.3	57.4	57.4	29.060	0.00	0.00	0.053	0.000	58.1	87	54.2	58.1	19.15	.0734	204	7	100.0	10
08/22/17	4:10 a	57.4	57.5	57.3	89	54.2	5.0	NNW	0.83	10.0	NNW	56.9	57.5	57.0	29.058	0.00	0.00	0.053	0.000	58.1	88	54.6	58.1	19.55	.0733	204	7	100.0	10
08/22/17	4:20 a	57.6	57.6	57.4	90	54.7	5.0	NNW	0.83	11.0	ENE	57.1	57.7	57.2	29.062	0.00	0.00	0.051	0.000	58.2	88	54.7	58.2	19.55	.0733	204	7	100.0	10
08/22/17	4:30 a	57.5	57.8	57.5	89	54.3	5.0	N	0.83	10.0	NNW	57.0	57.6	57.1	29.057	0.00	0.00	0.052	0.000	58.2	88	54.7	58.2	19.55	.0733	204	7	100.0	10
08/22/17	4:40 a	57.0	57.5	57.0	89	53.8	2.0	NNW	0.33	8.0	N	57.0	57.1	57.1	29.058	0.00	0.00	0.056	0.000	58.0	87	54.2	58.0	19.15	.0734	202	7	100.0	10
08/22/17	4:50 a	56.4	57.0	56.4	90	53.5	2.0	NW	0.33	4.0	WNW	56.4	56.5	56.5	29.058	0.00	0.00	0.060	0.000	57.8	87	54.0	57.8	19.15	.0734	204	7	100.0	10
08/22/17	5:00 a	56.1	56.4	56.1	91	53.5	2.0	W	0.33	7.0	W	56.1	56.2	56.2	29.062	0.00	0.00	0.062	0.000	57.6	87	53.8	57.6	19.15	.0735	204	7	100.0	10
08/22/17	5:10 a	55.9	56.1	55.9	91	53.3	2.0	W	0.33	4.0	W	55.9	56.0	56.0	29.065	0.00	0.00	0.063	0.000	57.4	88	53.9	57.4	19.55	.0735	205	7	100.0	10
08/22/17	5:20 a	55.9	55.9	55.9	92	53.6	2.0	W	0.33	6.0	W	55.9	56.0	56.0	29.063	0.00	0.00	0.063	0.000	57.3	88	53.8	57.3	19.55	.0735	202	7	100.0	10
08/22/17	5:30 a	56.2	56.2	55.9	92	53.9	2.0	NW	0.33	6.0	NW	56.2	56.3	56.3	29.065	0.00	0.00	0.061	0.000	57.4	88	53.9	57.4	19.55	.0735	204	7	100.0	10
08/22/17	5:40 a	56.6	56.6	56.2	91	54.0	3.0	NNW	0.50	8.0	N	56.6	56.7	56.7	29.064	0.00	0.00	0.058	0.000	57.5	89	54.3	57.6	19.95	.0735	203	7	100.0	10
08/22/17	5:50 a	56.3	56.6	56.3	91	53.7	2.0	N	0.33	5.0	NNW	56.3	56.4	56.4	29.068	0.00	0.00	0.060	0.000	57.6	88	54.1	57.6	19.55	.0735	205	7	100.0	10
08/22/17	6:00 a	56.0	56.3	56.0	92	53.7	1.0	WNW	0.17	4.0	NW	56.0	56.1	56.1	29.067	0.00	0.00	0.063	0.000	57.4	88	53.9	57.4	19.55	.0735	204	7	100.0	10
08/22/17	6:10 a	55.9	56.1	55.9	92	53.6	1.0	W	0.17	4.0	W	55.9	56.0	56.0	29.067	0.00	0.00	0.063	0.000	57.4	88	53.9	57.4	19.55	.0735	204	7	100.0	10
08/22/17	6:20 a	55.9	55.9	55.8	93	53.9	2.0	NNW	0.33	4.0	N	55.9	56.1	56.1	29.074	0.00	0.00	0.063	0.000	57.2	89	54.0	57.3	19.95	.0735	204	7	100.0	10
08/22/17	6:30 a	55.9	56.0	55.9	92	53.6	2.0	NW	0.33	5.0	NNW	55.9	56.0	56.0	29.075	0.00	0.00	0.063	0.000	57.3	89	54.1	57.4	19.95	.0735	205	7	100.0	10
08/22/17	6:40 a	55.9	55.9	55.9	93	53.9	3.0	N	0.50	8.0	NNW	55.9	56.1	56.1	29.079	0.00	0.00	0.063	0.000	57.1	90	54.2	57.2	20.45	.0735	204	7	100.0	10
08/22/17	6:50 a	56.1	56.1	55.9	93	54.1	3.0	N	0.50	9.0	N	56.1	56.3	56.3	29.081	0.00	0.00	0.062	0.000	57.4	90	54.5	57.5	20.45	.0735	204	7	100.0	10
08/22/17	7:00 a	56.3	56.3	56.1	93	54.3	4.0	N	0.67	8.0	N	56.2	56.5	56.4	29.083	0.00	0.00	0.060	0.000	57.8	90	54.9	57.9	20.45	.0734	204	7	100.0	10
08/22/17	7:10 a	56.6	56.6	56.3	93	54.6	4.0	N	0.67	8.0	NNW	56.5	56.8	56.7	29.086	0.00	0.00	0.058	0.000	58.1	90	55.2	58.2	20.45	.0734	203	7	100.0	10
08/22/17	7:20 a	56.8	56.8	56.6	93	54.8	3.0	NNW	0.50	5.0	ENE	56.8	57.0	57.0	29.091	0.00	0.00	0.057	0.000	58.6	89	55.4	58.7	19.95	.0733	204	7	100.0	10
08/22/17	7:30 a	57.0	57.1	56.8	93	55.0	4.0	N	0.67	9.0	NE	57.0	57.2	57.2	29.091	0.00	0.00	0.056	0.000	58.9	89	55.7	59.1	19.95	.0733	204	7	100.0	10
08/22/17	7:40 a	57.3	57.3	57.1	93	55.3	3.0	N	0.50	7.0	ENE	57.3	57.5	57.5	29.095	0.00	0.00	0.053	0.000	59.7	87	55.8	59.9	19.15	.0732	205	7	100.0	10
08/22/17	7:50 a	57.1	57.3	57.0	93	55.1	6.0	N	1.00	9.0	NE	56.1	57.3	56.3	29.095	0.00	0.00	0.055	0.000	59.3	87	55.

08/22/17	8:40 a	59.8	59.8	59.1	88	56.2	5.0	N	0.83	9.0	NE	59.8	60.0	60.0	29.098	0.00	0.00	0.036	0.000	65.3	74	56.8	65.6	14.25	.0723	204	7	100.0	10
08/22/17	8:50 a	60.3	60.3	59.8	86	56.1	5.0	N	0.83	9.0	N	60.3	60.5	60.5	29.096	0.00	0.00	0.033	0.000	66.0	73	57.1	66.4	14.03	.0722	204	7	100.0	10
08/22/17	9:00 a	61.3	61.3	60.3	84	56.4	5.0	N	0.83	10.0	NE	61.3	61.5	61.5	29.094	0.00	0.00	0.026	0.000	67.1	70	57.0	67.5	13.27	.0721	205	7	100.0	10
08/22/17	9:10 a	61.7	61.7	61.3	83	56.5	5.0	N	0.83	10.0	NNW	61.7	61.9	61.9	29.096	0.00	0.00	0.023	0.000	67.6	69	57.1	68.0	12.95	.0720	204	7	100.0	10
08/22/17	9:20 a	62.5	62.5	61.7	81	56.6	5.0	NE	0.83	10.0	NE	62.5	62.8	62.8	29.099	0.00	0.00	0.017	0.000	68.5	67	57.1	68.7	12.38	.0719	202	7	100.0	10
08/22/17	9:30 a	63.5	63.5	62.5	79	56.9	5.0	N	0.83	10.0	N	63.5	63.8	63.8	29.100	0.00	0.00	0.010	0.000	69.7	64	57.0	69.4	11.66	.0717	203	7	100.0	10
08/22/17	9:40 a	64.1	64.1	63.5	76	56.4	6.0	N	1.00	11.0	N	64.1	64.3	64.3	29.102	0.00	0.00	0.006	0.000	70.1	62	56.5	69.5	11.35	.0717	205	7	100.0	10
08/22/17	9:50 a	65.2	65.2	64.2	74	56.7	5.0	N	0.83	10.0	N	65.2	65.5	65.5	29.100	0.00	0.00	0.000	0.001	70.8	61	56.7	70.3	11.22	.0716	204	7	100.0	10
08/22/17	10:00 a	65.7	65.7	65.2	71	56.0	6.0	N	1.00	11.0	SE	65.7	65.9	65.9	29.102	0.00	0.00	0.000	0.005	70.9	59	55.9	70.3	10.91	.0716	203	7	100.0	10
08/22/17	10:10 a	67.0	67.0	65.7	67	55.7	6.0	NE	1.00	10.0	NNW	67.0	67.2	67.2	29.104	0.00	0.00	0.000	0.014	72.4	55	55.3	72.1	10.10	.0715	204	7	100.0	10
08/22/17	10:20 a	67.6	67.6	67.0	65	55.4	6.0	N	1.00	10.0	N	67.6	67.7	67.7	29.104	0.00	0.00	0.000	0.018	73.3	54	55.6	73.3	9.88	.0713	205	7	100.0	10
08/22/17	10:30 a	68.5	68.5	67.6	64	55.8	6.0	NE	1.00	11.0	N	68.5	68.4	68.4	29.106	0.00	0.00	0.000	0.024	74.0	53	55.8	74.0	9.69	.0712	204	7	100.0	10
08/22/17	10:40 a	69.4	69.4	68.5	61	55.4	6.0	N	1.00	10.0	N	69.4	68.8	68.8	29.102	0.00	0.00	0.000	0.031	75.4	49	54.9	75.4	9.04	.0711	204	7	100.0	10
08/22/17	10:50 a	70.5	70.5	69.4	57	54.5	5.0	N	0.83	11.0	NNE	70.5	69.5	69.5	29.103	0.00	0.00	0.000	0.038	76.7	46	54.4	76.3	8.52	.0709	205	7	100.0	10
08/22/17	11:00 a	71.8	71.8	70.6	54	54.3	5.0	NNE	0.83	11.0	N	71.8	71.1	71.1	29.100	0.00	0.00	0.000	0.047	78.7	43	54.3	78.2	8.05	.0706	204	7	100.0	10
08/22/17	11:10 a	72.6	72.6	71.9	53	54.5	6.0	N	1.00	12.0	NNE	72.6	72.2	72.2	29.100	0.00	0.00	0.000	0.053	79.1	43	54.7	78.6	8.05	.0706	204	7	100.0	10
08/22/17	11:20 a	73.8	73.8	72.6	52	55.1	6.0	NNE	1.00	12.0	NE	73.8	73.7	73.7	29.101	0.00	0.00	0.000	0.061	80.4	42	55.2	79.6	7.85	.0704	204	7	100.0	10
08/22/17	11:30 a	74.8	74.8	73.8	47	53.2	7.0	NNE	1.17	11.0	N	74.8	74.6	74.6	29.099	0.00	0.00	0.000	0.068	81.2	39	53.9	80.2	7.43	.0703	205	7	100.0	10
08/22/17	11:40 a	75.8	75.9	74.8	48	54.7	6.0	NNE	1.00	11.0	N	75.8	75.7	75.7	29.096	0.00	0.00	0.000	0.075	82.2	40	55.5	81.6	7.55	.0701	203	7	100.0	10
08/22/17	11:50 a	77.1	77.1	75.9	45	54.1	6.0	N	1.00	11.0	NNE	77.1	76.6	76.6	29.096	0.00	0.00	0.000	0.084	83.1	37	54.1	82.3	7.09	.0701	203	7	100.0	10
08/22/17	12:00 p	77.6	77.6	77.1	44	54.0	5.0	N	0.83	10.0	N	77.6	77.1	77.1	29.092	0.00	0.00	0.000	0.087	84.2	36	54.4	83.7	6.78	.0699	204	7	100.0	10
08/22/17	12:10 p	78.1	78.1	77.6	44	54.4	7.0	N	1.17	11.0	N	78.1	77.6	77.6	29.089	0.00	0.00	0.000	0.091	84.9	35	54.2	84.1	6.65	.0698	204	7	100.0	10
08/22/17	12:20 p	78.7	78.8	78.2	42	53.7	5.0	NNE	0.83	12.0	N	78.7	78.1	78.1	29.085	0.00	0.00	0.000	0.095	85.8	34	54.2	84.9	6.47	.0697	204	7	100.0	10
08/22/17	12:30 p	80.0	80.0	78.7	40	53.5	5.0	N	0.83	12.0	N	80.0	79.0	79.0	29.084	0.00	0.00	0.000	0.104	87.0	32	53.6	85.6	6.25	.0696	203	7	100.0	10
08/22/17	12:40 p	80.3	80.3	79.9	40	53.8	6.0	NE	1.00	10.0	N	80.3	79.3	79.3	29.079	0.00	0.00	0.000	0.106	87.7	32	54.2	86.0	6.25	.0694	202	7	100.0	10
08/22/17	12:50 p	81.0	81.0	80.3	40	54.4	6.0	ENE	1.00	11.0	NE	81.0	80.0	80.0	29.074	0.00	0.00	0.000	0.111	87.9	33	55.2	86.3	6.41	.0694	205	7	100.0	10
08/22/17	1:00 p	82.0	82.0	81.0	39	54.6	6.0	NE	1.00	11.0	ENE	82.0	81.2	81.2	29.075	0.00	0.00	0.000	0.118	88.5	31	54.0	86.6	6.15	.0693	204	7	100.0	10
08/22/17	1:10 p	82.9	82.9	82.0	38	54.7	7.0	NE	1.17	12.0	NE	82.9	82.2	82.2	29.070	0.00	0.00	0.000	0.124	89.6	31	55.0	88.4	6.15	.0691	204	7	100.0	10
08/22/17	1:20 p	83.8	83.8	82.9	37	54.7	6.0	N	1.00	14.0	NE	83.8	83.4	83.4	29.066	0.00	0.00	0.000	0.131	90.6	31	55.8	89.9	6.13	.0690	204	7	100.0	10
08/22/17	1:30 p	84.4	84.4	83.9	37	55.3	7.0	NNE	1.17	14.0	NE	84.4	84.0	84.0	29.064	0.00	0.00	0.000	0.135	91.2	30	55.4	90.4	5.90	.0689	204	7	100.0	10
08/22/17	1:40 p	84.8	84.8	84.3	36	54.9	7.0	NNE	1.17	12.0	NNE	84.8	84.2	84.2	29.064	0.00	0.00	0.000	0.138	91.7	29	54.9	90.7	5.68	.0689	204	7	100.0	10
08/22/17	1:50 p	84.6	84.8	84.5	35	53.9	8.0	NNE	1.33	13.0	N	84.4	83.8	83.6	29.062	0.00	0.00	0.000	0.136	92.0	29	55.2	91.1	5.67	.0688	204	7	100.0	10
08/22/17	2:00 p	85.7	86.0	84.6	35	54.9	7.0	NNE	1.17	14.0	NNE	85.7	85.0	85.0	29.058	0.00	0.00	0.000	0.144	93.4	28	55.4	92.5	5.45	.0686	205	7	100.0	10
08/22/17	2:10 p	86.0	86.0	85.5	35	55.2	7.0	N	1.17	13.0	NNE	86.0	85.3	85.3	29.054	0.00	0.00	0.000	0.146	94.2	28	56.1	93.6	5.40	.0685	204	7	100.0	10
08/22/17	2:20 p	85.9	86.1	85.6	35	55.1	9.0	ENE	1.50	14.0	ENE	85.4	85.2	84.7	29.052	0.00	0.00	0.000	0.145	95.0	27	55.8	94.3	5.25	.0684	204	7	100.0	10
08/22/17	2:30 p	85.9	86.0	85.7	36	55.8	7.0	NNE	1.17	13.0	NE	85.9	85.4	85.4	29.047	0.00	0.00	0.000	0.145	96.4	27	57.0	96.2	5.28	.0682	204	7	100.0	10
08/22/17	2:40 p	86.1	86.2	85.8	36	56.0	11.0	NNE	1.83	16.0	NNE	85.1	85.6	84.6	29.045	0.00	0.00	0.000	0.147	96.0	27	56.6	95.6	5.27	.0682	204	7	100.0	10
08/22/17	2:50 p	86.4	86.4	86.1	36	56.3	10.0	NNE	1.67	15.0	NNE	85.7	85.9	85.2	29.041	0.00	0.00	0.000	0.149	96.6	27	57.1	96.4	5.28	.0681	204	7	100.0	10
08/22/17	3:00 p	86.4	86.4	86.1	36	56.3	9.0	NNE	1.50	15.0	NNE	85.9	85.9	85.4	29.037	0.00	0.00	0.000	0.149	97.5	27	57.9	97.7	5.30	.0680	203	7	100.0	10
08/22/17	3:10 p	86.2	86.7	86.2	36	56.1	11.0	NNE	1.83	16.0	N	85.2	85.7	84.7	29.035	0.00	0.00	0.000	0.147	97.9	26	57.2	98.0	5.21	.0679	204	7	100.0	10
08/22/17	3:20 p	85.3	86.2	85.2	38	56.8	12.0	N	2.00	17.0	N	84.0	85.1	83.8	29.035	0.00	0.00	0.000	0.141	96.9	27	57.4	96.8	5.29	.0681	205	7	100.0	10
08/22/17	3:30 p	85.1	85.6	85.1	38	56.6	11.0	N	1.83	16.0	N	83.9	84.8	83.6	29.032	0.00	0.00	0.000	0.140	96.7	27	57.2	96.6	5.28	.0681	204	7	100.0	10
08/22/17	3:40 p	85.3	85.4	85.0	38	56.8	13.0	N	2.17	17.0	N	83.8	85.1	83.6	29.029	0.00	0.00	0.000	0.141	96.9	28	58.4	97.2	5.39	.0680	204	7	100.0	10
08/22/17	3:50 p	85.8	85.9	85.2	38	57.3	12.0	NNE	2.00	18.0	N	84.6	85.6	84.4	29.026	0.00	0.00	0.000	0.144	97.7	27	58.1	98.0	5.30	.0679	204	7	100.0	10
08/22/17	4:00 p	85.6	85.8	85.5	38	57.1	12.0	N	2.00	18.0	N	84.3	85.4	84.1	29.025	0.00	0.00	0.000	0.143	97.9	27	58.2	98.3	5.31	.0679	204	7	100.0	10
08/22/17	4:10 p	85.4	85.7	85.3	38	56.9	11.0	NNE	1.83	15.0	NNE	84.3	85.2	84.1	29.023	0.00	0.00	0.000	0.142	98.5	26	57.7	98.8	5.22	.0678	202	7	100.0	10
08/22/17	4:20 p	85.6	86.4	85.4	38	57.1	11.0	N	1.83	17.0	N	84.5	85.4	84.3	29.022	0.00	0.00	0.000	0.143	98.0	26	57.3	98.1	5.21	.0679	203	7	100.0	10
08/22/17	4:30 p	85.6	86.0	85.6	38	57.1	12.0	NNE	2.00	20.0	N	84.3	85.4	84.1	29.021	0.00	0.00	0.000	0.143	97.7	27	58.1	98.0	5.30	.0679	203	7	100.0	10
08/22/17	4:40 p	85.8	85.9	85.6	37	56.5	12.0	NNE	2.00	19.0	NNE	84.6	85.4	84.2	29.017	0.00	0.00	0.000	0.144	97.5	26	56.9	97.4	5.20	.0680	204	7	100.0	10
08/22/17	4:50 p	85.1	85.8	85.1	38	56.6	11.0	NNE	1.83	17.0	N	83.9	84.8	83.6	29.016	0.00	0.00	0.000	0.140	96.7	27	57.2	96.6	5.28	.0680	204	7	100.0	10
08/22/17	5:00 p	85.0	85.1	84.9	38	56.5	12.0	N	2.00	15.0	NNW	83.6	84.7	83.3	29.012	0.00	0.00	0.000	0.139	96.1	28	57.7	96.1	5.37	.0681	204	7	100.0	10
08/22/17	5:10 p	85.1	85.2	84.9	38	56.6	12.0	N	2.00	17.0	N	83.7	84.8	83.4	29.012	0.00	0.00	0.000	0.140	95.7	28	57.4	95.6	5.36	.0682	204	7	100.0	10
08/22/17	5:20 p	84.7	85.2	84.7	38	56.3	12.0	NNE	2.00	17.0	N	83.2	84.5	83.0	29.013	0.00	0.00	0.000	0.137	94.8	28	56.6	94.4	5.36	.0683	204	7	100.0	10
08/22/17	5:30 p	84.0	84.8	83.9	38	55.7	13.0	N	2.17	17.0	N	82.2	83.9	82.1	29.016	0.00	0.00	0.000	0.132	92.5	30	56.6	92.1	5.85	.0686	203	7	100.0	10
08/22/17	5:40 p	83.9	84.0	83.8	36	54.1	12.0	N	2.00	15.0	NNW	82.3	83.3	81.7	29.017	0.00	0.00	0.000	0.131	92.5	28	54.7	91.4	5.50	.0687	203	7	100.0	10
08/22/17	5:50 p	83.8	83.9	83.7	37	54.7	11.0	NNE	1.83	15.0	N	82.5	83.4	82.1	29.015	0.00	0.00	0.000	0.131	92.7	28	54.8	91.6	5.49	.0686	205	7	100.0	10
08/22/17	6:00 p	82.9	83.8	82.9	38	54.7	11.0	NNE	1.83	15.0	N	81.4	82.2	80.7	29.015	0.00	0.00	0.000	0.124	91.5	30	55.7	90.8	5.89	.0687	204	7	100.0	10
08/22/17	6:10 p	82.5	83.0	82.5	37	53.6	11.0	NE	1.83	14.0	NE	80.9	81.6	80.0	29.015	0.00	0.00	0.000	0.122	90.6	30	54.9	89.7	5.93	.0689	204	7	100.0	10
08/22/17	6:20 p	82.1	82.5	82.0	38	54.0	10.0	NE	1.67	14.0	N	80.7	81.2	79.8	29.014	0.00	0.00	0.000	0.119	89.5	31	54.9	88.2	6.15	.0690	204	7	100.0	10
08/22/17	6:30 p	81.5	82.0	81.5	40	54.8	10.0	N	1.67	14.0	N	80.1	80.7	79.3	29.009	0.00	0.00	0.000	0.115	88.7	33	55.9	87.4	6.42	.0691	204	7	100.0	10
08/22/17	6:40 p	81.1	81.5	81.1	41	55.2	10.0	N	1.67	15.0	NE	79.6	80.3	78.8	29.011	0.00	0.00	0.000	0.112	87.5	34	55.7	86.3	6.50	.0692	203	7	100.0	10
08/22/17	6:50 p	80.7	81.1	80.7	41	54.8	10.0	N	1.67	14.0	N	79.2	79.8	78.3	29.010	0.00	0.00	0.000	0.109	86.1	35	55.2	85.4	6.67	.0694	204	7	100.0	10
08/22/17	7:00 p	79.7	80.7	79.7	41	53.9	11.0	WSW	1.83	15.0	WSW	77.8	78.9	77.0	29.015	0.00	0.00	0.000	0.102	83.9	36	54.1	83.3	6.79	.0698	204	7	100.0	10
08/22/17	7:10 p	78.7	79.8	78.7	43	54.3	11.0	WSW	1.83	15.0	WSW	76.6	78.2	76.1	29.015	0.00	0.00	0.000	0.095	81.8	39	54.4	80.9	7.41	.0700	205	7	100.0	10
08/22/17	7:20 p	77.6	78.7	77.6	46	55.2	10.0	WSW	1.67	14.0	WSW	75.8	77.2	75.4	29.016	0.00	0.00	0.000	0.087	80.2	43	55.7	79.6	8.05	.0702	203	7	100.0	10
08/22/17	7:30 p	76.7	77.6	76.7	48	55.5	10.0	WSW	1.67	14.0	WSW	74.8	76.4	74.5	29.021	0.00	0.00	0.000	0.081	78.5	45	55.4	78.1	8.38	.0704	203	7	100.0	10
08/22/17	7:40 p	75.7	76.7	75.7	49	55.2	10.0	WSW	1.67	13.0	WSW	73.8	75.6	73.7	29.027	0.00	0.00	0.000	0.074	77.1	46	54.7	76.7	8.51	.0707	204	7	100.0	10
08/22/17	7:50 p	74.5	75.7	74.5	50	54.6	9.0	WSW	1.50	13.0	WSW	73.2	74.4	73.1	29.029	0.00	0.00	0.000	0.066	75.6	48	54.5	75.5	8.94	.0709	204	7	100.0	10
08/22/17	8:00 p	73.5	74.5	73.5	52	54.8	8.0	WSW	1.33	11.0	WSW	73.0	73.3	72.8	29.034	0.00	0.00	0.000	0.059	74.5	50	54.6	74.4	9.25	.0710	203	7	100.0	10
08/22/17	8:10 p	72.6	73.5	72.6	54	55.0	8.0	WSW	1.33	12.0	WSW	72.1	72.3	71.8	29.032	0.00	0.00	0.000	0.053	73.5	52	54.8	73.3	9.58	.0711	204	7	100.0	10
08/22/17	8:20 p	72.3	72.6	72.3	54	54.7	7.0	SW	1.17	12.0	WSW	72.3	71.9	71.9	29.033	0.00	0.00	0.000	0.051	72.8	52	54.1	72.4	9.59	.0713	203	7	100.0	10
08/22/17	8:30 p	71.9	72.3	71.9	55	54.9	6.0	SW	1.00	10.0	WSW	71.9	71.4	71.4	29.035	0.00	0.00	0.000	0.048	72.2	53	54.1	71.6	9.76	.0714	205	7	100.0	10
08/22/17	8:40 p	70.8	71.9	70.8	56	54.3	3.0	SW	0.50	8.0	WSW	70.8	69.8	69.8	29.033	0.00	0.00	0.000	0.040	71.2	54	53.7	70.2	9.93	.0715	203	7	100.0	10
08/22/17	8:50 p	70.4	70.8	70.4	56	54.0	4.0	SW	0.67	10.0	WSW	70.4	69.3	69.3	29.036	0.00	0.00	0.000	0.038	70.6	55	53.6	69.5	10.14	.0716	203	7	100.0	10
08/22/17	9:00 p	70.1	70.4	70.1	57	54.2	3.0	SW	0.50	10.0	SW	70.1	69.0	69.0	29.039	0.00	0.00	0.000	0.035	70.2	56	53.8	69.1	10.35	.0716	204	7	100.0	10
08/22/17	9:10 p	69.2	70.1	69.2	59	54.3	3.0	S	0.50	6.0	SW	69.2	68.5	68.5	29.040	0.00	0.00	0.000	0.029	69.3	57	53.4	68.4	10.56	.0718	205	7	100.0	10
08/22/17	9:20 p	68.6	69.1	68.5	58	53.2	3.0	SW	0.50	9.0	SW	68.6	67.9	67.9	29.042	0.00	0.00	0.000	0.025	68.5	57	52.7	67.8	10.58	.0719	204	7	100.0	10
08/22/17	9:30 p	68.0	68.6	68.0	61	54.0	2.0	SE	0.33	6.0	SW	68.0	67.8	67.8	29.040	0.00	0.00	0.000	0.021	67.9	60	53.5	67.6	11.05	.0720	204	7	100.0	10
08/22/17	9:40 p	67.0	68.0	67.0	63	54.0	2.0	SE	0.33	5.0	SE	67.0	66.8	66.8	29.042	0.00	0.00	0.000	0.014	67.1	62	53.6	66.8	11.41	.0721	204	7	100.0	10
08/22/17	9:50 p	66.1	67.0	66.1	64	53.6	3.0	SSE	0.50	7.0	SE	66.1	65.8	65.8	29.046	0.00	0.00	0.000	0.008	66.4	63	53.4	66.1	11.62	.0722	204	7	100.0	10
08/22/17	10:00 p	65.6	66.1	65.6	65	53.5	2.0	SE	0.33	4.0	SSE	65.6	65.4	65.4	29.043	0.00	0.00	0.000	0.004	65.7	63	52.8	65.3	11.64	.0723	204	7	100.0	10
08/22/17	10:10 p	64.6	65.6	64.6	68	53.8	3.0	SSE	0.50	6.0	SSE	64.6	64.4	64.4	29.048	0.00	0.00	0.003	0.000	64.9	67	53.7	64.7	12.45	.0724	203	7	100.0	10
08/22/17	10:20 p	63.9	64.6	63.9	69	53.5	3.0	SSE	0.50	6.0	WSW	63.9	63.6	63.6	29.043	0.00	0.00	0.008	0.000	64.1	67	52.9	63.7	12.47	.0725	205	7	100.0	10
08/22/17	10:30 p	64.6	64.6	63.9	67	53.4	5.0	WSW	0.83	11.0	WSW	64.6	64.3	64.3	29.044	0.00	0.00	0.003	0.000	64.2	67	53.0	63.9	12.47	.0725	204	7	100.0	10
08/22/17	10:40 p	64.6	64.7	64.5	66	53.0	3.0	SW	0.50	9.0	SW	64.6	64.3	64.3	29.044	0.00	0.00	0.003	0.000	64.1	66	52.5	63.7	12.19	.0725	204	7	100.0	10
08/22/17	10:50 p	64.5	64.7	64.5	66	52.9	3.0	WSW	0.50	8.0	WSW	64.5	64.2	64.2	29.042	0.00	0.00	0.003	0.000	64.1	66	52.5	63.7	12.19	.0725	203	7	100.0	10
08/22/17	11:00 p	64.1	64.5	64.1	67	52.9	3.0	WSW	0.50	7.0	WSW	64.1	63.7	63.7	29.046	0.00	0.00	0.006	0.000	63.7	67	52.5	63.3	12.48	.0726	205	7	100.0	10
08/22/17	11:10 p	63.9	64.1	63.9	68	53.1	2.0	SW	0.33	7.0	W	63.9	63.6	63.6	29.042	0.00	0.00	0.008	0.000	63.3	68	52.6	62.9	12.75	.0726	204	7	100.0	10
08/22/17	11:20 p	63.2	63.9	63.2	69	52.9	6.0	WSW	1.00	11.0	WSW	63.2	62.9	62.9	29.044	0.00	0.00	0.012	0.000	63.2	69	52.9	62.9	13.01	.0727	204	7	100.0	10
08/22/17	11:30 p	63.0	63.2	63.0	69	52.7	7.0	WSW	1.17	11.0	WSW	62.9	62.6	62.5	29.046	0.00	0.00	0.014	0.000	63.0	69	52.7	62.6	13.01	.0727	204	7	100.0	10
08/22/17	11:40 p	63.0	63.0	62.9	69	52.7	5.0	WSW	0.83	9.0	WSW	63.0	62.6	62.6	29.044	0.00	0.00	0.014	0.000	62.7	69	52.4	62.3	13.00	.0727	204	7	100.0	10
08/22/17	11:50 p	63.1	63.2	63.0	68	52.4	4.0	WSW	0.67	7.0	WSW	63.1	62.7	62.7	29.047	0.00	0.00	0.013	0.000	62.5	69	52.2	62.0	13.00	.0728	203	7	100.0	10
08/23/17	12:00 a	63.4	63.4	63.1	66	51.8	2.0	WSW	0.33	7.0	WSW	63.4	62.9	62.9	29.046	0.00	0.00	0.011	0.000	62.3	67	51.2	61.7	12.50	.0728	203	7	100.0	10
08/23/17	12:10 a	63.5	63.5	63.4	65	51.5	4.0	WSW	0.67	8.0	WSW	63.5	63.0	63.0	29.045	0.00	0.00	0.010	0.000	62.3	67	51.2	61.7	12.50	.0728	202	7	100.0	10
08/23/17	12:20 a	63.4	63.6	63.4	65	51.4	5.0	WSW	0.83	8.0	WSW	63.4	62.8

08/23/17	1:10 a	61.2	61.6	61.2	73	52.5	3.0	SSE	0.50	7.0	S	61.2	60.8	60.8	29.045	0.00	0.00	0.026	0.000	60.6	73	51.9	60.2	13.96	.0731	204	7	100.0	10
08/23/17	1:20 a	61.3	61.4	61.2	73	52.6	2.0	SW	0.33	7.0	WSW	61.3	60.9	60.9	29.043	0.00	0.00	0.026	0.000	60.3	73	51.6	59.8	13.96	.0731	202	7	100.0	10
08/23/17	1:30 a	61.1	61.3	61.0	74	52.7	2.0	S	0.33	7.0	SSE	61.1	60.7	60.7	29.044	0.00	0.00	0.027	0.000	60.1	75	52.1	59.7	14.65	.0731	205	7	100.0	10
08/23/17	1:40 a	60.8	61.1	60.8	75	52.8	2.0	SW	0.33	5.0	WSW	60.8	60.5	60.5	29.041	0.00	0.00	0.029	0.000	59.8	76	52.2	59.4	14.96	.0731	204	7	100.0	10
08/23/17	1:50 a	60.9	61.0	60.8	75	52.9	3.0	SW	0.50	6.0	SSW	60.9	60.6	60.6	29.039	0.00	0.00	0.028	0.000	59.8	76	52.2	59.4	14.96	.0731	203	7	100.0	10
08/23/17	2:00 a	60.6	61.0	60.6	76	53.0	3.0	SW	0.50	8.0	WSW	60.6	60.3	60.3	29.037	0.00	0.00	0.031	0.000	59.8	77	52.6	59.5	15.35	.0731	202	7	100.0	10
08/23/17	2:10 a	60.4	60.6	60.4	76	52.8	2.0	SW	0.33	5.0	SW	60.4	60.1	60.1	29.036	0.00	0.00	0.032	0.000	59.5	77	52.3	59.2	15.36	.0732	205	7	100.0	10
08/23/17	2:20 a	60.1	60.4	60.1	77	52.9	2.0	S	0.33	7.0	WSW	60.1	59.8	59.8	29.035	0.00	0.00	0.034	0.000	59.3	78	52.4	59.0	15.66	.0732	204	7	100.0	10
08/23/17	2:30 a	60.1	60.2	60.1	77	52.9	2.0	SSW	0.33	5.0	SSW	60.1	59.8	59.8	29.029	0.00	0.00	0.034	0.000	59.1	79	52.6	58.8	16.05	.0732	203	7	100.0	10
08/23/17	2:40 a	60.2	60.2	60.1	78	53.3	2.0	SSE	0.33	6.0	SW	60.2	60.0	60.0	29.028	0.00	0.00	0.033	0.000	59.1	79	52.6	58.8	16.05	.0732	203	7	100.0	10
08/23/17	2:50 a	59.9	60.1	59.9	78	53.0	2.0	S	0.33	5.0	SSE	59.9	59.7	59.7	29.028	0.00	0.00	0.035	0.000	58.9	80	52.7	58.7	16.35	.0732	205	7	100.0	10
08/23/17	3:00 a	59.6	59.9	59.6	79	53.1	2.0	SSW	0.33	8.0	WSW	59.6	59.4	59.4	29.028	0.00	0.00	0.038	0.000	58.7	80	52.5	58.5	16.35	.0733	202	7	100.0	10
08/23/17	3:10 a	59.4	59.6	59.4	80	53.2	2.0	SW	0.33	7.0	SW	59.4	59.2	59.2	29.028	0.00	0.00	0.039	0.000	58.6	82	53.1	58.5	17.02	.0732	204	7	100.0	10
08/23/17	3:20 a	59.0	59.5	59.0	80	52.8	2.0	SW	0.33	6.0	WSW	59.0	58.8	58.8	29.027	0.00	0.00	0.042	0.000	58.5	81	52.7	58.3	16.72	.0733	203	7	100.0	10
08/23/17	3:30 a	58.0	59.0	58.0	83	52.9	2.0	S	0.33	5.0	S	58.0	57.9	57.9	29.027	0.00	0.00	0.049	0.000	57.7	83	52.6	57.5	17.40	.0734	205	7	100.0	10
08/23/17	3:40 a	58.0	58.0	57.8	84	53.2	2.0	SW	0.33	6.0	WSW	58.0	57.9	57.9	29.026	0.00	0.00	0.049	0.000	57.3	85	52.8	57.2	18.25	.0734	202	7	100.0	10
08/23/17	3:50 a	58.1	58.3	58.1	83	53.0	2.0	SW	0.33	5.0	SW	58.1	58.0	58.0	29.022	0.00	0.00	0.048	0.000	57.2	85	52.7	57.1	18.25	.0734	204	7	100.0	10
08/23/17	4:00 a	57.7	58.1	57.7	84	52.9	2.0	SSE	0.33	5.0	SSE	57.7	57.6	57.6	29.024	0.00	0.00	0.051	0.000	56.9	85	52.4	56.8	18.25	.0735	203	7	100.0	10
08/23/17	4:10 a	57.3	57.7	57.3	86	53.1	2.0	S	0.33	5.0	S	57.3	57.2	57.2	29.022	0.00	0.00	0.053	0.000	56.7	86	52.6	56.6	18.68	.0735	205	7	100.0	10
08/23/17	4:20 a	57.2	57.3	57.1	86	53.0	2.0	S	0.33	5.0	SSE	57.2	57.1	57.1	29.025	0.00	0.00	0.054	0.000	56.6	87	52.8	56.6	19.15	.0735	204	7	100.0	10
08/23/17	4:30 a	56.8	57.2	56.8	87	53.0	4.0	SSE	0.67	6.0	SSE	56.8	56.8	56.8	29.022	0.00	0.00	0.057	0.000	56.4	88	52.9	56.4	19.55	.0736	204	7	100.0	10
08/23/17	4:40 a	56.6	56.8	56.6	88	53.1	3.0	SSE	0.50	5.0	SSE	56.6	56.6	56.6	29.021	0.00	0.00	0.058	0.000	56.1	88	52.6	56.1	19.55	.0736	204	7	100.0	10
08/23/17	4:50 a	56.5	56.6	56.5	89	53.3	2.0	SSE	0.33	4.0	SSE	56.5	56.6	56.6	29.019	0.00	0.00	0.059	0.000	56.0	89	52.8	56.1	19.95	.0736	205	7	100.0	10
08/23/17	5:00 a	56.5	56.6	56.5	89	53.3	1.0	SSW	0.17	4.0	SSE	56.5	56.6	56.6	29.022	0.00	0.00	0.059	0.000	55.9	90	53.0	56.0	20.45	.0736	204	7	100.0	10
08/23/17	5:10 a	56.4	56.5	56.4	90	53.5	1.0	S	0.17	4.0	SW	56.4	56.5	56.5	29.020	0.00	0.00	0.060	0.000	55.7	89	52.5	55.8	19.95	.0737	204	7	100.0	10
08/23/17	5:20 a	56.5	56.5	56.4	89	53.3	2.0	S	0.33	8.0	WSW	56.5	56.6	56.6	29.022	0.00	0.00	0.059	0.000	55.7	90	52.8	55.8	20.45	.0737	205	7	100.0	10
08/23/17	5:30 a	57.1	57.1	56.5	88	53.6	6.0	WSW	1.00	11.0	WSW	56.1	57.1	56.1	29.019	0.00	0.00	0.055	0.000	56.4	90	53.5	56.5	20.45	.0735	202	7	100.0	10
08/23/17	5:40 a	57.3	57.3	57.1	87	53.5	6.0	WSW	1.00	12.0	WSW	56.4	57.3	56.4	29.020	0.00	0.00	0.053	0.000	56.8	88	53.3	56.8	19.55	.0735	204	7	100.0	10
08/23/17	5:50 a	57.1	57.3	57.1	88	53.6	6.0	WSW	1.00	10.0	WSW	56.1	57.1	56.1	29.019	0.00	0.00	0.055	0.000	56.9	88	53.4	56.9	19.55	.0735	203	7	100.0	10
08/23/17	6:00 a	57.1	57.2	57.1	88	53.6	6.0	WSW	1.00	11.0	WSW	56.1	57.1	56.1	29.021	0.00	0.00	0.055	0.000	56.9	89	53.7	57.0	19.95	.0734	204	7	100.0	10
08/23/17	6:10 a	57.0	57.1	57.0	88	53.5	7.0	WSW	1.17	12.0	WSW	55.6	57.0	55.6	29.024	0.00	0.00	0.056	0.000	56.9	89	53.7	57.0	19.95	.0735	204	7	100.0	10
08/23/17	6:20 a	57.0	57.0	56.9	88	53.5	7.0	WSW	1.17	11.0	WSW	55.6	57.0	55.6	29.026	0.00	0.00	0.056	0.000	56.9	89	53.7	57.0	19.95	.0735	204	7	100.0	10
08/23/17	6:30 a	56.9	57.0	56.9	89	53.7	8.0	WSW	1.33	12.0	WSW	54.8	57.0	54.9	29.027	0.00	0.00	0.056	0.000	56.9	89	53.7	57.0	19.95	.0735	204	7	100.0	10
08/23/17	6:40 a	56.8	57.0	56.8	89	53.6	6.0	WSW	1.00	11.0	WSW	55.8	56.9	55.9	29.028	0.00	0.00	0.057	0.000	56.8	89	53.6	56.9	19.95	.0735	204	7	100.0	10
08/23/17	6:50 a	56.5	56.8	56.5	89	53.3	4.0	SW	0.67	9.0	SW	56.4	56.6	56.5	29.028	0.00	0.00	0.059	0.000	56.6	89	53.4	56.7	19.95	.0735	203	7	100.0	10
08/23/17	7:00 a	56.2	56.5	56.2	90	53.3	5.0	SW	0.83	9.0	WSW	55.5	56.3	55.6	29.032	0.00	0.00	0.061	0.000	56.6	90	53.7	56.7	20.45	.0735	202	7	100.0	10
08/23/17	7:10 a	56.1	56.2	56.0	91	53.5	6.0	WSW	1.00	12.0	WSW	54.9	56.2	55.0	29.034	0.00	0.00	0.062	0.000	56.7	90	53.8	56.8	20.45	.0735	204	7	100.0	10
08/23/17	7:20 a	56.0	56.0	55.9	93	54.0	9.0	WSW	1.50	12.0	WSW	53.0	56.2	53.2	29.038	0.00	0.00	0.063	0.000	56.8	92	54.5	56.9	20.55	.0735	204	7	100.0	10
08/23/17	7:30 a	56.1	56.1	55.9	93	54.1	8.0	WSW	1.33	12.0	WSW	53.8	56.3	54.0	29.036	0.00	0.00	0.062	0.000	57.2	91	54.6	57.3	20.55	.0734	204	7	100.0	10
08/23/17	7:40 a	56.4	56.4	56.1	93	54.4	6.0	WSW	1.00	11.0	WSW	55.3	56.6	55.5	29.036	0.00	0.00	0.060	0.000	57.6	90	54.7	57.7	20.45	.0733	204	7	100.0	10
08/23/17	7:50 a	56.3	56.4	56.3	93	54.3	9.0	WSW	1.50	12.0	WSW	53.3	56.5	53.5	29.037	0.00	0.00	0.060	0.000	57.8	90	54.9	57.9	20.45	.0733	204	7	100.0	10
08/23/17	8:00 a	56.8	56.8	56.3	92	54.5	7.0	WSW	1.17	11.0	WSW	55.4	56.9	55.5	29.042	0.00	0.00	0.057	0.000	58.3	89	55.1	58.4	19.95	.0732	205	7	100.0	10
08/23/17	8:10 a	56.9	57.0	56.8	91	54.3	9.0	WSW	1.50	13.0	WSW	54.0	57.0	54.1	29.039	0.00	0.00	0.056	0.000	58.9	87	55.0	59.0	19.15	.0732	204	7	100.0	10
08/23/17	8:20 a	57.1	57.1	56.8	91	54.5	10.0	WSW	1.67	13.0	WSW	53.6	57.2	53.7	29.039	0.00	0.00	0.055	0.000	59.0	86	54.8	59.0	18.73	.0732	204	7	100.0	10
08/23/17	8:30 a	57.5	57.5	57.1	91	54.9	10.0	WSW	1.67	14.0	WSW	54.1	57.6	54.2	29.041	0.00	0.00	0.052	0.000	60.2	84	55.3	60.3	17.85	.0730	204	7	100.0	10
08/23/17	8:40 a	58.2	58.2	57.5	89	55.0	10.0	WSW	1.67	14.0	WSW	54.8	58.3	54.9	29.040	0.00	0.00	0.047	0.000	60.9	83	55.7	61.0	17.47	.0729	205	7	100.0	10
08/23/17	8:50 a	58.7	58.7	58.2	88	55.2	10.0	WSW	1.67	14.0	WSW	55.4	58.8	55.5	29.040	0.00	0.00	0.044	0.000	62.0	81	56.1	62.2	16.83	.0727	204	7	100.0	10
08/23/17	9:00 a	59.6	59.6	58.8	87	55.7	9.0	WSW	1.50	14.0	WSW	57.2	59.7	57.3	29.038	0.00	0.00	0.038	0.000	63.5	78	56.5	63.7	15.72	.0725	202	7	100.0	10
08/23/17	9:10 a	60.2	60.2	59.7	86	56.0	8.0	WSW	1.33	12.0	WSW	58.7	60.4	58.9	29.036	0.00	0.00	0.033	0.000	64.8	75	56.7	65.1	14.46	.0723	204	7	100.0	10
08/23/17	9:20 a	60.4	60.4	60.1	85	55.9	9.0	WSW	1.50	12.0	W	58.2	60.5	58.3	29.037	0.00	0.00	0.032	0.000	65.5	74	57.0	65.8	14.25	.0722	204	7	100.0	10
08/23/17	9:30 a	61.2	61.2	60.4	83	56.0	8.0	WSW	1.33	13.0	SW	59.9	61.3	60.0	29.036	0.00	0.00	0.026	0.000	66.3	71	56.6	66.6	13.52	.0721	204	7	100.0	10
08/23/17	9:40 a	61.7	61.7	61.1	81	55.8	8.0	WSW	1.33	14.0	WSW	60.5	61.9	60.7	29.034	0.00	0.00	0.023	0.000	66.9	69	56.4	67.2	12.97	.0720	203	7	100.0	10
08/23/17	9:50 a	62.5	62.5	61.7	79	55.9	9.0	WSW	1.50	13.0	WSW	60.6	62.7	60.8	29.034	0.00	0.00	0.017	0.000	67.8	67	56.4	68.1	12.39	.0719	205	7	100.0	10
08/23/17	10:00 a	63.5	63.5	62.4	77	56.2	9.0	WSW	1.50	12.0	W	61.8	63.7	62.0	29.036	0.00	0.00	0.010	0.000	68.7	65	56.5	68.7	11.88	.0717	203	7	100.0	10
08/23/17	10:10 a	64.5	64.5	63.5	75	56.4	7.0	WSW	1.17	11.0	WSW	64.5	64.7	64.7	29.035	0.00	0.00	0.003	0.000	69.9	62	56.3	69.3	11.35	.0716	203	7	100.0	10
08/23/17	10:20 a	65.4	65.4	64.5	72	56.1	8.0	WSW	1.33	13.0	WSW	64.8	65.6	65.0	29.034	0.00	0.00	0.000	0.003	70.6	61	56.5	70.1	11.23	.0715	204	7	100.0	10
08/23/17	10:30 a	66.1	66.1	65.4	70	56.0	8.0	W	1.33	13.0	WSW	65.5	66.3	65.7	29.032	0.00	0.00	0.000	0.008	71.3	59	56.2	70.8	10.90	.0714	205	7	100.0	10
08/23/17	10:40 a	66.6	66.6	66.1	69	56.1	9.0	W	1.50	12.0	W	65.3	66.8	65.5	29.030	0.00	0.00	0.000	0.011	71.9	58	56.3	71.6	10.67	.0713	204	7	100.0	10
08/23/17	10:50 a	67.7	67.7	66.7	67	56.3	8.0	WSW	1.33	13.0	WSW	67.0	68.0	67.3	29.028	0.00	0.00	0.000	0.019	73.2	56	56.6	73.3	10.29	.0711	204	7	100.0	10
08/23/17	11:00 a	68.2	68.2	67.7	66	56.4	8.0	WSW	1.33	12.0	W	67.5	68.4	67.7	29.026	0.00	0.00	0.000	0.022	73.6	55	56.4	73.7	10.08	.0711	204	7	100.0	10
08/23/17	11:10 a	69.2	69.2	68.3	63	56.1	8.0	WSW	1.33	12.0	WSW	68.5	68.9	68.2	29.025	0.00	0.00	0.000	0.029	74.5	53	56.2	74.7	9.67	.0709	205	7	100.0	10
08/23/17	11:20 a	70.4	70.4	69.2	62	56.8	6.0	WSW	1.00	13.0	WSW	70.4	69.9	69.9	29.021	0.00	0.00	0.000	0.038	75.8	51	56.4	75.9	9.35	.0708	204	7	100.0	10
08/23/17	11:30 a	71.9	71.9	70.5	58	56.3	7.0	WSW	1.17	11.0	WSW	71.9	71.6	71.6	29.019	0.00	0.00	0.000	0.048	77.7	49	57.0	77.6	9.00	.0705	204	7	100.0	10
08/23/17	11:40 a	71.4	71.9	71.2	59	56.3	7.0	WSW	1.17	11.0	W	71.4	71.0	71.0	29.016	0.00	0.00	0.000	0.044	77.9	47	56.0	77.6	8.69	.0705	204	7	100.0	10
08/23/17	11:50 a	72.4	72.4	71.5	57	56.3	7.0	W	1.17	11.0	WSW	72.4	72.3	72.3	29.012	0.00	0.00	0.000	0.051	78.9	46	56.4	78.7	8.47	.0703	203	7	100.0	10
08/23/17	12:00 p	73.2	73.2	72.4	54	55.6	6.0	W	1.00	11.0	W	73.2	73.1	73.1	29.012	0.00	0.00	0.000	0.057	79.8	44	55.9	79.3	8.15	.0702	203	7	100.0	10
08/23/17	12:10 p	74.4	74.4	73.2	53	56.2	6.0	W	1.00	12.0	W	74.4	74.5	74.5	29.008	0.00	0.00	0.000	0.065	81.4	42	56.1	80.8	7.85	.0700	203	7	100.0	10
08/23/17	12:20 p	75.1	75.2	74.5	52	56.3	7.0	W	1.17	12.0	WSW	75.1	75.3	75.3	29.009	0.00	0.00	0.000	0.070	82.4	42	57.0	82.1	7.85	.0698	204	7	100.0	10
08/23/17	12:30 p	75.5	75.5	75.1	52	56.6	7.0	W	1.17	13.0	W	75.5	75.7	75.7	29.002	0.00	0.00	0.000	0.073	82.2	42	56.8	81.8	7.85	.0699	205	7	100.0	10
08/23/17	12:40 p	77.3	77.3	75.5	49	56.6	6.0	WSW	1.00	12.0	WSW	77.3	77.1	77.1	28.999	0.00	0.00	0.000	0.085	83.9	40	57.0	84.1	7.55	.0696	204	7	100.0	10
08/23/17	12:50 p	78.1	78.1	77.3	48	56.8	7.0	W	1.17	12.0	W	78.1	78.0	78.0	28.996	0.00	0.00	0.000	0.091	85.6	38	57.1	85.4	7.24	.0694	204	7	100.0	10
08/23/17	1:00 p	79.7	79.8	78.1	46	57.1	7.0	WSW	1.17	12.0	WSW	79.7	79.4	79.4	28.994	0.00	0.00	0.000	0.102	87.4	36	57.2	86.7	6.80	.0692	204	7	100.0	10
08/23/17	1:10 p	80.5	80.5	79.7	45	57.2	8.0	W	1.33	13.0	WSW	80.1	80.1	79.7	28.994	0.00	0.00	0.000	0.108	89.3	35	58.1	88.8	6.74	.0689	203	7	100.0	10
08/23/17	1:20 p	80.8	81.1	80.5	45	57.5	8.0	WSW	1.33	12.0	WSW	80.4	80.4	80.0	28.990	0.00	0.00	0.000	0.110	90.0	34	57.9	89.7	6.55	.0688	204	7	100.0	10
08/23/17	1:30 p	81.6	81.8	80.8	44	57.6	8.0	WSW	1.33	14.0	WSW	81.3	81.3	81.0	28.988	0.00	0.00	0.000	0.115	91.4	33	58.3	91.3	6.42	.0686	204	7	100.0	10
08/23/17	1:40 p	82.3	82.3	81.3	44	58.2	8.0	WSW	1.33	13.0	W	82.0	82.2	81.9	28.986	0.00	0.00	0.000	0.120	93.9	31	58.7	94.1	5.99	.0683	205	7	100.0	10
08/23/17	1:50 p	82.4	82.7	82.4	43	57.7	9.0	WSW	1.50	16.0	WSW	81.5	82.3	81.4	28.984	0.00	0.00	0.000	0.121	94.1	31	58.8	94.4	5.99	.0682	204	7	100.0	10
08/23/17	2:00 p	83.2	83.2	82.3	43	58.4	9.0	WSW	1.50	15.0	WSW	82.4	83.5	82.7	28.979	0.00	0.00	0.000	0.126	96.1	29	58.7	96.4	5.57	.0680	204	7	100.0	10
08/23/17	2:10 p	83.6	83.6	83.2	43	58.7	8.0	WSW	1.33	14.0	WSW	83.3	84.1	83.8	28.974	0.00	0.00	0.000	0.129	97.6	29	60.0	98.6	5.60	.0677	204	7	100.0	10
08/23/17	2:20 p	83.8	83.8	83.3	42	58.3	10.0	WSW	1.67	16.0	WSW	82.7	84.3	83.2	28.974	0.00	0.00	0.000	0.131	95.4	30	59.1	95.8	5.75	.0680	205	7	100.0	10
08/23/17	2:30 p	84.2	84.3	83.7	41	57.9	10.0	WSW	1.67	15.0	WSW	83.1	84.6	83.5	28.971	0.00	0.00	0.000	0.133	96.0	30	59.6	96.6	5.75	.0679	204	7	100.0	10
08/23/17	2:40 p	84.5	84.5	83.8	41	58.2	11.0	W	1.83	16.0	W	83.3	84.9	83.7	28.968	0.00	0.00	0.000	0.135	95.9	30	59.5	96.5	5.75	.0679	204	7	100.0	10
08/23/17	2:50 p	84.6	84.6	84.1	41	58.3	12.0	W	2.00	17.0	W	83.1	85.0	83.5	28.964	0.00	0.00	0.000	0.136	95.9	29	58.5	96.1	5.57	.0680	203	7	100.0	10
08/23/17	3:00 p	84.5	85.0	84.5	41	58.2	12.0	W	2.00	17.0	W	83.0	84.9	83.4	28.962	0.00	0.00	0.000	0.135	95.5	30	59.1	95.9	5.75	.0680	205	7	100.0	10
08/23/17	3:10 p	84.0	84.5	84.0	41	57.8	13.0	W	2.17	18.0	W	82.2	84.5	82.7	28.960	0.00	0.00	0.000	0.132	94.7	30	58.4	94.9	5.76	.0681	204	7	100.0	10
08/23/17	3:20 p	83.8	84.3	83.8	41	57.6	13.0	W	2.17	18.0	W	82.0	84.1	82.3	28.959	0.00	0.00	0.000	0.131	93.9	31	58.7	94.1	5.99	.0682	204	7	100.0	10
08/23/17	3:30 p	83.9	83.9	83.7	42	58.3	13.0	W	2.17	16.0	W	82.1	84.5	82.7	28.955	0.00	0.00	0.000	0.131	93.6	31	58.4	93.8	6.01	.0682	202	7	100.0	10
08/23/17	3:40 p	84.6	84.7	84.0	40	57.6	13.0	W	2.17	18.0	W	82.9	84.8	83.1	28.953	0.00	0.00	0.000	0.136	94.2	30	58.0	94.3	5.78	.0682	205	7	100.0	10
08/23/17	3:50 p	84.6	84.7	84.2	40	57.6	13.0	W	2.17	19.0	W	82.9	84.8	83.1	28.948	0.00	0.00	0.000	0.136	94.3	30	58.1	94.4	5.78	.0681	204	7	100.0	10
08/23/17	4:00 p	84.4	84.6	83.9	39	56.7	14.0	W	2.33	19.0	W	82.5	84.4	82.5	28.947	0.00	0.00	0.000	0.135	93.0	30	57.0	92.7	5.83	.0683	204	7	100.0	10
08/23/17	4:10 p	84.4	84.5	84.1	38	56.0	13.0	W	2.17	18.0	W	82.7	84.2	82.5	28.944	0.00	0.00	0.000	0.135	93.0	30	57.0	92.7	5.83	.0683	202	7	100.0	10
08/23/17	4:20 p	84.6	84.7	84.4	36	54.7	12.0	W	2.00	17.0	W	83.1	84.0	82.5	28.941	0.00	0.00	0.000	0.136	93.7	28	55.7	92.9	5.43	.0683	204	7	100.0	10
08/23/17	4:30 p	84.8	85.1	84.6	37	55.6	13.0	WNW	2.17	19.0	WNW	83.2	84.4	82.8	28.941	0.00	0.00	0.000	0.138	93.4	28	55.4	92.5	5.45	.0683	204	7	100.0	10
08/23/17	4:40 p	84.6	85.0	84.6	37	55.5	13.0	WNW	2.17	17.0	WNW	82.9	84.2	82.5	28.939	0.00	0.00	0.000	0.136	93.1	29	56.1	92.5	5.63	.0683	203	7	100.0	10
08/23/17	4:50 p	84.7	85.0	84.5

08/23/17	5:40 p	81.9	81.9	81.2	39	54.5	12.0	NW	2.00	18.0	NW	80.0	81.1	79.2	28.929	0.00	0.00	0.000	0.117	86.6	33	54.1	85.4	6.38	.0692	204	7	100.0	10
08/23/17	5:50 p	84.7	84.7	81.9	36	54.8	0.0	---	0.00	0.0	---	84.7	84.1	84.1	28.927	0.00	0.00	0.000	0.137	85.3	35	54.5	84.5	6.66	.0694	204	7	100.0	10
08/23/17	6:00 p	84.1	84.8	84.1	36	54.3	0.0	---	0.00	0.0	---	84.1	83.6	83.6	28.926	0.00	0.00	0.000	0.133	84.1	36	54.3	83.6	6.79	.0695	202	7	100.0	10
08/23/17	6:10 p	83.0	84.1	83.0	36	53.3	0.0	---	0.00	0.0	---	83.0	82.0	82.0	28.923	0.00	0.00	0.000	0.125	82.9	36	53.2	81.9	6.83	.0697	205	7	100.0	10
08/23/17	6:20 p	82.3	83.0	82.3	36	52.7	0.0	---	0.00	0.0	---	82.3	81.2	81.2	28.923	0.00	0.00	0.000	0.120	82.3	36	52.7	81.2	6.86	.0698	204	7	100.0	10
08/23/17	6:30 p	81.4	82.2	81.3	37	52.6	0.0	---	0.00	0.0	---	81.4	80.2	80.2	28.925	0.00	0.00	0.000	0.114	81.2	36	51.7	79.8	6.90	.0700	204	7	100.0	10
08/23/17	6:40 p	80.7	81.3	80.7	36	51.3	0.0	---	0.00	0.0	---	80.7	79.3	79.3	28.923	0.00	0.00	0.000	0.109	80.3	36	50.9	78.9	6.94	.0701	203	7	100.0	10
08/23/17	6:50 p	79.3	80.7	79.3	38	51.5	0.0	---	0.00	0.0	---	79.3	78.3	78.3	28.925	0.00	0.00	0.000	0.099	78.7	38	51.0	77.7	7.28	.0703	204	7	100.0	10
08/23/17	7:00 p	78.2	79.3	78.2	41	52.6	0.0	---	0.00	0.0	---	78.2	77.4	77.4	28.924	0.00	0.00	0.000	0.092	77.4	42	52.5	76.7	7.90	.0704	204	7	100.0	10
08/23/17	7:10 p	74.6	78.2	74.6	45	51.9	8.0	W	1.33	14.0	WSW	74.1	74.2	73.7	28.926	0.00	0.00	0.000	0.067	77.0	41	51.5	76.3	7.75	.0705	204	7	100.0	10
08/23/17	7:20 p	72.6	74.6	72.6	50	52.9	12.0	W	2.00	16.0	W	69.6	71.9	68.9	28.931	0.00	0.00	0.000	0.053	75.2	46	53.0	75.0	8.55	.0707	204	7	100.0	10
08/23/17	7:30 p	71.1	72.6	71.1	53	53.1	12.0	W	2.00	15.0	W	68.0	70.0	66.9	28.933	0.00	0.00	0.000	0.042	73.1	49	52.8	72.5	9.05	.0710	203	7	100.0	10
08/23/17	7:40 p	69.8	71.1	69.8	55	52.9	12.0	W	2.00	16.0	W	66.7	68.6	65.5	28.936	0.00	0.00	0.000	0.033	71.4	52	52.9	70.4	9.62	.0713	204	7	100.0	10
08/23/17	7:50 p	68.2	69.8	68.2	59	53.3	11.0	W	1.83	15.0	W	65.6	67.7	65.1	28.940	0.00	0.00	0.000	0.022	69.8	56	53.4	68.7	10.35	.0715	203	7	100.0	10
08/23/17	8:00 p	67.3	68.2	67.3	61	53.4	10.0	WSW	1.67	14.0	WSW	65.3	67.0	65.0	28.948	0.00	0.00	0.000	0.016	68.4	58	53.0	67.8	10.75	.0717	203	7	100.0	10
08/23/17	8:10 p	66.7	67.3	66.7	62	53.3	11.0	WSW	1.83	14.0	WSW	64.1	66.3	63.7	28.952	0.00	0.00	0.000	0.012	67.6	60	53.2	67.2	11.05	.0718	205	7	100.0	10
08/23/17	8:20 p	65.7	66.7	65.7	64	53.2	11.0	WSW	1.83	15.0	WSW	62.9	65.4	62.6	28.957	0.00	0.00	0.000	0.005	66.6	62	53.2	66.2	11.42	.0720	204	7	100.0	10
08/23/17	8:30 p	64.8	65.7	64.8	67	53.6	8.0	WSW	1.33	12.0	WSW	64.2	64.6	64.0	28.960	0.00	0.00	0.001	0.000	65.8	64	53.3	65.5	11.73	.0721	204	7	100.0	10
08/23/17	8:40 p	63.6	64.7	63.6	71	54.0	6.0	WSW	1.00	11.0	WSW	63.6	63.4	63.4	28.964	0.00	0.00	0.010	0.000	64.6	68	53.8	64.4	12.75	.0722	204	7	100.0	10
08/23/17	8:50 p	63.2	63.6	63.2	72	54.0	4.0	WSW	0.67	8.0	WSW	63.2	63.0	63.0	28.971	0.00	0.00	0.012	0.000	63.9	70	53.9	63.7	13.33	.0723	203	7	100.0	10
08/23/17	9:00 p	63.1	63.2	63.1	73	54.3	1.0	WSW	0.17	3.0	WSW	63.1	62.9	62.9	28.976	0.00	0.00	0.013	0.000	63.2	68	52.5	62.8	12.75	.0725	203	7	100.0	10
08/23/17	9:10 p	62.9	63.1	62.9	74	54.5	0.0	SW	0.00	3.0	SW	62.9	62.7	62.7	28.981	0.00	0.00	0.015	0.000	62.7	72	53.5	62.4	13.75	.0725	204	7	100.0	10
08/23/17	9:20 p	62.7	62.9	62.6	73	53.9	0.0	SW	0.00	3.0	SW	62.7	62.5	62.5	28.984	0.00	0.00	0.016	0.000	62.3	73	53.5	62.0	14.00	.0726	205	7	100.0	10
08/23/17	9:30 p	63.0	63.0	62.7	73	54.2	7.0	WSW	1.17	13.0	W	62.9	62.8	62.7	28.978	0.00	0.00	0.014	0.000	62.8	72	53.6	62.5	13.75	.0725	202	7	100.0	10
08/23/17	9:40 p	62.9	63.0	62.8	73	54.1	9.0	WSW	1.50	13.0	WSW	61.1	62.7	60.9	28.977	0.00	0.00	0.015	0.000	62.9	72	53.7	62.7	13.75	.0725	204	7	100.0	10
08/23/17	9:50 p	63.1	63.1	62.9	72	53.9	10.0	WSW	1.67	13.0	WSW	60.6	62.9	60.4	28.979	0.00	0.00	0.013	0.000	63.0	71	53.4	62.7	13.51	.0725	203	7	100.0	10
08/23/17	10:00 p	62.9	63.1	62.9	72	53.7	6.0	WSW	1.00	11.0	WSW	62.9	62.7	62.7	28.977	0.00	0.00	0.015	0.000	62.9	72	53.7	62.7	13.75	.0725	205	7	100.0	10
08/23/17	10:10 p	63.2	63.2	62.9	72	54.0	10.0	WSW	1.67	16.0	WSW	60.7	63.0	60.5	28.975	0.00	0.00	0.012	0.000	63.1	71	53.5	62.9	13.51	.0725	204	7	100.0	10
08/23/17	10:20 p	62.6	63.2	62.6	73	53.8	10.0	WSW	1.67	15.0	W	60.0	62.4	59.8	28.980	0.00	0.00	0.017	0.000	62.8	72	53.6	62.5	13.75	.0725	204	7	100.0	10
08/23/17	10:30 p	62.5	62.6	62.5	73	53.7	6.0	WSW	1.00	12.0	WSW	62.5	62.3	62.3	28.983	0.00	0.00	0.017	0.000	62.6	72	53.4	62.3	13.75	.0726	204	7	100.0	10
08/23/17	10:40 p	62.0	62.5	62.0	74	53.6	6.0	WSW	1.00	11.0	WSW	62.0	61.7	61.7	28.982	0.00	0.00	0.021	0.000	62.1	73	53.3	61.8	13.99	.0726	205	7	100.0	10
08/23/17	10:50 p	61.3	61.9	61.3	76	53.7	8.0	WSW	1.33	14.0	WSW	60.1	61.1	59.9	28.983	0.00	0.00	0.026	0.000	61.6	75	53.6	61.4	14.59	.0727	204	7	100.0	10
08/23/17	11:00 p	61.1	61.3	61.0	77	53.8	8.0	WSW	1.33	13.0	WSW	59.8	60.9	59.6	28.985	0.00	0.00	0.027	0.000	61.3	76	53.7	61.1	14.92	.0727	204	7	100.0	10
08/23/17	11:10 p	60.7	61.1	60.7	78	53.8	9.0	WSW	1.50	14.0	WSW	58.5	60.6	58.4	28.983	0.00	0.00	0.030	0.000	60.9	77	53.6	60.7	15.35	.0728	204	7	100.0	10
08/23/17	11:20 p	60.5	60.7	60.5	78	53.6	6.0	WSW	1.00	12.0	WSW	60.2	60.3	60.0	28.987	0.00	0.00	0.031	0.000	60.7	78	53.8	60.6	15.66	.0728	204	7	100.0	10
08/23/17	11:30 p	60.4	60.6	60.4	79	53.9	6.0	WSW	1.00	12.0	SW	60.1	60.3	60.0	28.985	0.00	0.00	0.032	0.000	60.5	78	53.6	60.3	15.66	.0729	204	7	100.0	10
08/23/17	11:40 p	60.1	60.4	60.1	80	53.9	6.0	WSW	1.00	12.0	WSW	59.7	60.0	59.6	28.983	0.00	0.00	0.034	0.000	60.1	79	53.6	59.9	16.05	.0729	204	7	100.0	10
08/23/17	11:50 p	59.6	60.1	59.6	81	53.8	6.0	WSW	1.00	13.0	WSW	59.1	59.5	59.0	28.982	0.00	0.00	0.038	0.000	59.8	81	54.0	59.7	16.75	.0729	204	7	100.0	10
08/24/17	12:00 a	59.3	59.6	59.3	82	53.8	6.0	WSW	1.00	13.0	SW	58.8	59.2	58.7	28.982	0.00	0.00	0.040	0.000	59.4	82	53.9	59.3	17.04	.0730	204	7	100.0	10
08/24/17	12:10 a	59.0	59.3	59.0	82	53.5	3.0	WSW	0.50	11.0	WSW	59.0	58.9	58.9	28.985	0.00	0.00	0.042	0.000	59.1	82	53.6	59.0	17.03	.0730	203	7	100.0	10
08/24/17	12:20 a	58.7	59.0	58.7	83	53.5	3.0	WSW	0.50	10.0	WSW	58.7	58.6	58.6	28.985	0.00	0.00	0.044	0.000	58.7	83	53.5	58.6	17.42	.0731	204	7	100.0	10
08/24/17	12:30 a	58.6	58.8	58.6	84	53.8	3.0	WSW	0.50	10.0	SW	58.6	58.5	58.5	28.985	0.00	0.00	0.044	0.000	58.4	84	53.6	58.3	17.85	.0731	205	7	100.0	10
08/24/17	12:40 a	58.4	58.6	58.4	84	53.6	3.0	WSW	0.50	8.0	W	58.4	58.3	58.3	28.986	0.00	0.00	0.046	0.000	58.2	85	53.7	58.1	18.25	.0732	202	7	100.0	10
08/24/17	12:50 a	58.1	58.4	58.1	85	53.6	2.0	WSW	0.33	8.0	WSW	58.1	58.0	58.0	28.987	0.00	0.00	0.048	0.000	57.8	85	53.3	57.7	18.25	.0732	203	7	100.0	10
08/24/17	1:00 a	57.7	58.1	57.7	86	53.5	1.0	SSE	0.17	6.0	SSE	57.7	57.6	57.6	28.984	0.00	0.00	0.051	0.000	57.3	86	53.1	57.2	18.70	.0733	204	7	100.0	10
08/24/17	1:10 a	57.6	57.7	57.6	87	53.8	2.0	SW	0.33	8.0	WSW	57.6	57.6	57.6	28.983	0.00	0.00	0.051	0.000	57.2	87	53.4	57.2	19.15	.0733	205	7	100.0	10
08/24/17	1:20 a	57.5	57.6	57.4	87	53.7	3.0	WSW	0.50	8.0	WSW	57.5	57.5	57.5	28.983	0.00	0.00	0.052	0.000	57.1	87	53.3	57.1	19.15	.0733	203	7	100.0	10
08/24/17	1:30 a	57.3	57.5	57.3	87	53.5	1.0	WSW	0.17	7.0	WSW	57.3	57.3	57.3	28.978	0.00	0.00	0.053	0.000	56.9	87	53.1	56.9	19.15	.0734	204	7	100.0	10
08/24/17	1:40 a	57.1	57.3	57.1	88	53.6	2.0	SW	0.33	5.0	SSE	57.1	57.1	57.1	28.974	0.00	0.00	0.055	0.000	56.7	89	53.5	56.8	19.95	.0734	204	7	100.0	10
08/24/17	1:50 a	57.2	57.2	57.1	89	54.0	2.0	WSW	0.33	7.0	WSW	57.2	57.3	57.3	28.976	0.00	0.00	0.054	0.000	56.9	90	54.0	57.0	20.45	.0733	205	7	100.0	10
08/24/17	2:00 a	57.2	57.2	57.2	89	54.0	3.0	WSW	0.50	10.0	WSW	57.2	57.3	57.3	28.977	0.00	0.00	0.054	0.000	57.2	89	54.0	57.3	19.95	.0733	204	7	100.0	10
08/24/17	2:10 a	56.8	57.2	56.8	89	53.6	4.0	WSW	0.67	9.0	SW	56.8	56.9	56.9	28.977	0.00	0.00	0.057	0.000	57.2	89	54.0	57.3	19.95	.0733	204	7	100.0	10
08/24/17	2:20 a	56.3	56.8	56.3	90	53.4	4.0	WSW	0.67	10.0	WSW	56.2	56.4	56.3	28.975	0.00	0.00	0.060	0.000	56.7	90	53.8	56.8	20.45	.0734	203	7	100.0	10
08/24/17	2:30 a	56.0	56.3	56.0	91	53.4	5.0	WSW	0.83	10.0	SW	55.3	56.1	55.4	28.972	0.00	0.00	0.063	0.000	56.3	90	53.4	56.4	20.45	.0734	205	7	100.0	10
08/24/17	2:40 a	56.0	56.0	56.0	91	53.4	3.0	WSW	0.50	10.0	WSW	56.0	56.1	56.1	28.973	0.00	0.00	0.063	0.000	56.1	91	53.5	56.2	20.55	.0734	204	7	100.0	10
08/24/17	2:50 a	55.9	56.0	55.8	92	53.6	4.0	WSW	0.67	8.0	WSW	55.7	56.0	55.8	28.969	0.00	0.00	0.063	0.000	56.0	91	53.4	56.1	20.55	.0735	204	7	100.0	10
08/24/17	3:00 a	55.8	55.9	55.7	92	53.5	7.0	WSW	1.17	10.0	WSW	54.2	55.9	54.3	28.969	0.00	0.00	0.064	0.000	56.0	92	53.7	56.1	20.55	.0734	204	7	100.0	10
08/24/17	3:10 a	55.7	55.8	55.7	92	53.4	5.0	WSW	0.83	10.0	WSW	54.9	55.8	55.0	28.968	0.00	0.00	0.065	0.000	55.8	92	53.5	55.9	20.55	.0735	205	7	100.0	10
08/24/17	3:20 a	55.6	55.7	55.6	92	53.3	4.0	WSW	0.67	8.0	WSW	55.3	55.7	55.4	28.969	0.00	0.00	0.065	0.000	55.7	92	53.4	55.8	20.55	.0735	204	7	100.0	10
08/24/17	3:30 a	55.8	55.8	55.6	93	53.8	8.0	WSW	1.33	12.0	WSW	53.5	56.0	53.7	28.965	0.00	0.00	0.064	0.000	55.9	92	53.6	56.0	20.55	.0734	204	7	100.0	10
08/24/17	3:40 a	55.8	55.8	55.7	93	53.8	5.0	WSW	0.83	10.0	WSW	55.1	56.0	55.3	28.962	0.00	0.00	0.064	0.000	56.1	92	53.8	56.2	20.55	.0734	204	7	100.0	10
08/24/17	3:50 a	56.0	56.0	55.8	93	54.0	6.0	WSW	1.00	10.0	WSW	54.8	56.2	55.0	28.960	0.00	0.00	0.063	0.000	56.4	92	54.1	56.5	20.55	.0733	205	7	100.0	10
08/24/17	4:00 a	56.0	56.1	56.0	93	54.0	6.0	WSW	1.00	11.0	W	54.8	56.2	55.0	28.965	0.00	0.00	0.063	0.000	56.5	92	54.2	56.6	20.55	.0733	204	7	100.0	10
08/24/17	4:10 a	56.0	56.1	56.0	93	54.0	7.0	WSW	1.17	11.0	WSW	54.4	56.2	54.6	28.959	0.00	0.00	0.063	0.000	56.6	92	54.3	56.7	20.55	.0733	204	7	100.0	10
08/24/17	4:20 a	56.1	56.1	56.0	93	54.1	7.0	WSW	1.17	13.0	WSW	54.5	56.3	54.7	28.958	0.00	0.00	0.062	0.000	56.7	92	54.4	56.8	20.55	.0733	205	7	100.0	10
08/24/17	4:30 a	55.9	56.1	55.9	93	53.9	8.0	WSW	1.33	12.0	WSW	53.6	56.1	53.8	28.955	0.00	0.00	0.063	0.000	56.7	92	54.4	56.8	20.55	.0733	204	7	100.0	10
08/24/17	4:40 a	55.8	55.9	55.8	94	54.1	8.0	WSW	1.33	12.0	WSW	53.5	56.0	53.7	28.954	0.00	0.00	0.064	0.000	56.6	92	54.3	56.7	20.55	.0733	204	7	100.0	10
08/24/17	4:50 a	56.0	56.0	55.8	94	54.3	8.0	WSW	1.33	11.0	WSW	53.7	56.2	53.9	28.955	0.00	0.00	0.063	0.000	56.6	93	54.6	56.8	20.75	.0733	204	7	100.0	10
08/24/17	5:00 a	56.2	56.2	56.0	94	54.5	7.0	WSW	1.17	12.0	WSW	54.6	56.4	54.8	28.953	0.00	0.00	0.061	0.000	56.8	92	54.5	56.9	20.55	.0733	205	7	100.0	10
08/24/17	5:10 a	56.3	56.3	56.2	94	54.6	6.0	WSW	1.00	13.0	W	55.2	56.5	55.4	28.954	0.00	0.00	0.060	0.000	56.9	92	54.6	57.0	20.55	.0732	204	7	100.0	10
08/24/17	5:20 a	56.1	56.3	56.1	94	54.4	4.0	WSW	0.67	9.0	WSW	55.9	56.3	56.1	28.956	0.00	0.00	0.062	0.000	56.8	92	54.5	56.9	20.55	.0733	204	7	100.0	10
08/24/17	5:30 a	56.1	56.2	56.0	94	54.4	5.0	WSW	0.83	9.0	WSW	55.4	56.3	55.6	28.956	0.00	0.00	0.062	0.000	56.8	92	54.5	56.9	20.55	.0733	204	7	100.0	10
08/24/17	5:40 a	56.2	56.2	56.1	94	54.5	5.0	WSW	0.83	9.0	WSW	55.5	56.4	55.7	28.959	0.00	0.00	0.061	0.000	56.9	92	54.6	57.0	20.55	.0733	205	7	100.0	10
08/24/17	5:50 a	56.4	56.5	56.2	94	54.7	5.0	WSW	0.83	9.0	WSW	55.7	56.6	55.9	28.961	0.00	0.00	0.060	0.000	57.0	93	55.0	57.2	20.75	.0732	203	7	100.0	10
08/24/17	6:00 a	56.6	56.6	56.5	94	54.9	5.0	WSW	0.83	11.0	WSW	56.0	56.8	56.2	28.961	0.00	0.00	0.058	0.000	57.2	92	54.9	57.3	20.55	.0732	203	7	100.0	10
08/24/17	6:10 a	56.7	56.7	56.6	93	54.7	6.0	WSW	1.00	10.0	WSW	55.6	56.9	55.8	28.961	0.00	0.00	0.058	0.000	57.3	92	55.0	57.5	20.55	.0732	202	7	100.0	10
08/24/17	6:20 a	56.7	56.7	56.6	93	54.7	6.0	WSW	1.00	11.0	WSW	55.6	56.9	55.8	28.962	0.00	0.00	0.058	0.000	57.3	92	55.0	57.5	20.55	.0732	202	7	100.0	10
08/24/17	6:30 a	56.9	56.9	56.7	93	54.9	7.0	WSW	1.17	11.0	WSW	55.5	57.1	55.7	28.965	0.00	0.00	0.056	0.000	57.4	92	55.1	57.6	20.55	.0732	203	7	100.0	10
08/24/17	6:40 a	56.9	57.0	56.9	93	54.9	6.0	WSW	1.00	10.0	WSW	55.9	57.1	56.1	28.963	0.00	0.00	0.056	0.000	57.6	91	55.0	57.7	20.55	.0731	204	7	100.0	10
08/24/17	6:50 a	57.0	57.0	56.9	93	55.0	8.0	WSW	1.33	12.0	WSW	54.9	57.2	55.1	28.961	0.00	0.00	0.056	0.000	57.7	91	55.1	57.8	20.55	.0731	203	7	100.0	10
08/24/17	7:00 a	57.0	57.1	56.9	93	55.0	8.0	WSW	1.33	13.0	WSW	54.9	57.2	55.1	28.963	0.00	0.00	0.056	0.000	57.8	91	55.2	57.9	20.55	.0731	204	7	100.0	10
08/24/17	7:10 a	57.0	57.0	56.9	93	55.0	6.0	WSW	1.00	11.0	WSW	56.0	57.2	56.2	28.965	0.00	0.00	0.056	0.000	57.8	91	55.2	57.9	20.55	.0731	204	7	100.0	10
08/24/17	7:20 a	57.1	57.1	57.0	93	55.1	7.0	WSW	1.17	11.0	W	55.7	57.3	55.9	28.965	0.00	0.00	0.055	0.000	58.0	91	55.4	58.1	20.55	.0731	202	7	100.0	10
08/24/17	7:30 a	57.5	57.5	57.2	92	55.2	7.0	WSW	1.17	12.0	WSW	56.2	57.7	56.4	28.964	0.00	0.00	0.052	0.000	58.4	90	55.5	58.5	20.45	.0730	204	7	100.0	10
08/24/17	7:40 a	57.6	57.6	57.5	92	55.3	9.0	WSW	1.50	13.0	WSW	54.8	57.8	55.0	28.963	0.00	0.00	0.051	0.000	58.6	90	55.7	58.8	20.45	.0730	204	7	100.0	10
08/24/17	7:50 a	57.7	57.7	57.6	92	55.4	8.0	WSW	1.33	13.0	WSW	55.7	57.9	55.9	28.963	0.00	0.00	0.051	0.000	58.9	89	55.7	59.1	19.95	.0729	204	7	100.0	10
08/24/17	8:00 a	57.8	57.8	57.7	91	55.2	7.0	WSW	1.17	12.0	WSW	56.6	57.9	56.7	28.964	0.00	0.00	0.050	0.000	59.3	88	55.7	59.4	19.55	.0729	203	7	100.0	10
08/24/17	8:10 a	58.2	58.2	57.9	91	55.6	8.0	WSW	1.33	14.0	WSW	56.3	58.4	56.5	28.970	0.00	0.00	0.047	0.000	59.7	88	56.1	59.9	19.55	.0728	204	7	100.0	10
08/24/17	8:20 a	58.5	58.5	58.2	90	55.6	11.0	WSW	1.83	15.0	WSW	54.6	58.7	54.8	28.969	0.00	0.00	0.045	0.000	59.9	87	56.0	60.1	19.15	.0728	204	7	100.0	10
08/24/17	8:30 a	58.9	58.9	58.5	89	55.7	9.0	WSW	1.50	15.0	SW	56.4	59.1	56.6	28.973	0.00	0.00	0.042	0.000	60.4	86	56.2	60.6	18.75	.0727	203	7	100.0	10
08/24/17	8:40 a	58.6	59.0	58.5	90	55.7	11.0	WSW	1.83	16.0	WSW	54.7	58.8	54.9	28.973	0.00	0.00	0.044	0.000	60.9	82	55.4	61.0	17.09	.0727	204	7	100.0	10
08/24/17	8:50 a	58.8	58.9	58.6	89	55.6	11.0	WSW	1.83	16.0	WSW	55.0	58.9	55.1	28.976	0.00	0.00	0.043	0.000	61.1	84	56.2	61.3	17.85	.0726	204	7	100.0	10
08/24/17	9:00 a	59.3	59.3	58.8	88	55.7	10.0	WSW	1.67	13.0	WSW	56.2	59.4	56.3	28.979	0.00	0.00	0.040	0.000	61.7	82	56.1	61.9	17.12	.0726	204	7	100.0	10
08/24/17	9:10 a	59.7	59.7	59.3	87	55.8	11.0	WSW	1.83	16.0	WSW	56.0	59.9	56.2	28.977	0.00	0.00	0.037	0.000	62.2	82	56.6	62.5

08/24/17	10:10 a	64.2	64.3	63.6	77	56.8	12.0	WSW	2.00	17.0	WSW	60.5	64.5	60.8	28.973	0.00	0.00	0.006	0.000	68.3	68	57.3	68.7	12.62	.0716	204	7	100.0	10
08/24/17	10:20 a	64.8	65.1	64.3	75	56.7	11.0	WSW	1.83	17.0	WSW	61.9	65.1	62.2	28.972	0.00	0.00	0.001	0.000	69.1	66	57.3	69.1	12.15	.0715	203	7	100.0	10
08/24/17	10:30 a	65.5	65.5	64.9	74	57.0	12.0	WSW	2.00	16.0	WSW	62.1	65.8	62.4	28.972	0.00	0.00	0.000	0.003	69.7	64	57.0	69.4	11.66	.0714	203	7	100.0	10
08/24/17	10:40 a	66.7	66.7	65.5	71	57.0	12.0	WSW	2.00	16.0	WSW	63.4	67.1	63.8	28.971	0.00	0.00	0.000	0.012	70.8	62	57.1	70.4	11.33	.0713	204	7	100.0	10
08/24/17	10:50 a	66.7	66.8	66.2	70	56.6	12.0	WSW	2.00	18.0	WSW	63.4	67.0	63.7	28.967	0.00	0.00	0.000	0.012	71.0	61	56.9	70.6	11.21	.0712	205	7	100.0	10
08/24/17	11:00 a	67.6	67.7	66.7	68	56.7	12.0	WSW	2.00	17.0	W	64.5	68.0	64.9	28.967	0.00	0.00	0.000	0.018	71.8	60	57.2	71.6	11.01	.0711	204	7	100.0	10
08/24/17	11:10 a	68.1	68.1	67.5	67	56.7	12.0	WSW	2.00	17.0	WSW	65.0	68.4	65.3	28.965	0.00	0.00	0.000	0.022	72.5	58	56.9	72.5	10.65	.0710	203	7	100.0	10
08/24/17	11:20 a	68.8	68.8	68.0	66	57.0	12.0	WSW	2.00	19.0	W	65.7	68.9	65.8	28.964	0.00	0.00	0.000	0.026	72.7	58	57.1	72.8	10.64	.0710	204	7	100.0	10
08/24/17	11:30 a	68.9	68.9	68.5	65	56.6	12.0	W	2.00	17.0	W	65.8	68.8	65.7	28.965	0.00	0.00	0.000	0.027	73.3	56	56.7	73.4	10.28	.0709	204	7	100.0	10
08/24/17	11:40 a	69.4	69.4	68.6	64	56.7	12.0	WSW	2.00	18.0	W	66.3	69.1	66.0	28.964	0.00	0.00	0.000	0.031	73.7	55	56.5	73.8	10.08	.0709	204	7	100.0	10
08/24/17	11:50 a	70.3	70.5	69.4	62	56.7	12.0	W	2.00	17.0	W	67.2	69.8	66.7	28.962	0.00	0.00	0.000	0.037	74.9	53	56.6	75.2	9.65	.0707	204	7	100.0	10
08/24/17	12:00 p	70.7	70.7	70.1	61	56.6	13.0	W	2.17	18.0	W	67.2	70.2	66.7	28.960	0.00	0.00	0.000	0.040	75.3	53	57.0	75.6	9.65	.0706	205	7	100.0	10
08/24/17	12:10 p	71.6	71.6	70.6	59	56.5	12.0	WSW	2.00	18.0	WSW	68.6	71.3	68.3	28.957	0.00	0.00	0.000	0.046	76.1	51	56.7	76.1	9.35	.0705	204	7	100.0	10
08/24/17	12:20 p	71.8	71.9	71.6	58	56.2	13.0	WSW	2.17	17.0	WSW	68.4	71.5	68.1	28.957	0.00	0.00	0.000	0.047	76.6	50	56.6	76.5	9.22	.0705	204	7	100.0	10
08/24/17	12:30 p	72.9	72.9	71.9	56	56.3	12.0	WSW	2.00	17.0	W	69.9	72.9	69.9	28.953	0.00	0.00	0.000	0.055	77.4	48	56.2	77.1	8.90	.0704	204	7	100.0	10
08/24/17	12:40 p	73.3	73.7	73.0	55	56.2	13.0	WSW	2.17	19.0	WSW	70.0	73.4	70.1	28.953	0.00	0.00	0.000	0.058	78.0	47	56.1	77.8	8.69	.0703	204	7	100.0	10
08/24/17	12:50 p	73.8	73.8	73.4	54	56.1	14.0	WSW	2.33	19.0	WSW	70.2	73.9	70.3	28.948	0.00	0.00	0.000	0.061	78.6	46	56.1	78.4	8.48	.0702	203	7	100.0	10
08/24/17	1:00 p	74.0	74.3	73.9	53	55.8	13.0	WSW	2.17	20.0	WSW	70.7	74.0	70.7	28.947	0.00	0.00	0.000	0.063	79.0	45	55.8	78.7	8.37	.0702	204	7	100.0	10
08/24/17	1:10 p	75.0	75.1	74.0	52	56.2	13.0	W	2.17	19.0	WSW	71.8	75.3	72.1	28.940	0.00	0.00	0.000	0.069	80.3	43	55.8	79.7	8.04	.0700	204	7	100.0	10
08/24/17	1:20 p	75.9	75.9	75.1	50	55.9	13.0	WSW	2.17	20.0	W	72.8	75.9	72.8	28.935	0.00	0.00	0.000	0.076	81.4	42	56.1	80.8	7.85	.0698	204	7	100.0	10
08/24/17	1:30 p	76.2	76.4	75.8	49	55.6	13.0	WSW	2.17	20.0	W	73.1	76.1	73.0	28.932	0.00	0.00	0.000	0.078	82.6	41	56.5	82.3	7.70	.0696	204	7	100.0	10
08/24/17	1:40 p	76.8	77.0	76.3	48	55.6	14.0	WSW	2.33	19.0	WSW	73.6	76.5	73.3	28.931	0.00	0.00	0.000	0.082	83.9	38	55.6	83.7	7.25	.0695	204	7	100.0	10
08/24/17	1:50 p	78.2	78.2	76.5	45	55.1	14.0	WSW	2.33	18.0	WSW	75.1	77.8	74.7	28.931	0.00	0.00	0.000	0.092	85.0	37	55.8	84.6	7.05	.0694	204	7	100.0	10
08/24/17	2:00 p	77.3	78.3	77.3	47	55.5	14.0	WSW	2.33	19.0	WSW	74.1	77.0	73.8	28.934	0.00	0.00	0.000	0.085	85.6	36	55.6	85.0	6.76	.0693	204	7	100.0	10
08/24/17	2:10 p	77.8	77.9	77.1	47	56.0	14.0	W	2.33	20.0	W	74.7	77.5	74.4	28.927	0.00	0.00	0.000	0.089	85.9	37	56.6	85.6	7.03	.0692	204	7	100.0	10
08/24/17	2:20 p	78.2	78.6	77.8	46	55.7	13.0	WSW	2.17	20.0	W	75.4	77.9	75.1	28.926	0.00	0.00	0.000	0.092	87.7	35	56.7	86.6	6.70	.0690	204	7	100.0	10
08/24/17	2:30 p	78.7	78.7	77.8	46	56.2	13.0	WSW	2.17	19.0	WSW	76.0	78.5	75.8	28.925	0.00	0.00	0.000	0.095	88.2	34	56.3	86.9	6.51	.0689	204	7	100.0	10
08/24/17	2:40 p	78.8	78.9	78.2	45	55.7	13.0	WSW	2.17	20.0	WSW	76.1	78.5	75.8	28.922	0.00	0.00	0.000	0.096	89.1	33	56.2	88.0	6.43	.0688	205	7	100.0	10
08/24/17	2:50 p	78.5	78.9	78.4	44	54.8	13.0	WSW	2.17	19.0	WSW	75.8	78.1	75.4	28.920	0.00	0.00	0.000	0.094	89.7	32	55.9	88.8	6.25	.0687	204	7	100.0	10
08/24/17	3:00 p	79.4	79.4	78.5	43	55.0	13.0	WSW	2.17	20.0	WSW	76.8	78.8	76.2	28.914	0.00	0.00	0.000	0.100	90.6	31	55.8	89.9	6.13	.0686	204	7	100.0	10
08/24/17	3:10 p	80.0	80.0	79.3	42	54.8	13.0	WSW	2.17	18.0	WSW	77.5	79.2	76.7	28.913	0.00	0.00	0.000	0.104	91.4	29	54.7	90.4	5.69	.0686	203	7	100.0	10
08/24/17	3:20 p	79.9	80.1	79.7	41	54.1	13.0	WSW	2.17	18.0	WSW	77.4	79.0	76.5	28.912	0.00	0.00	0.000	0.103	91.6	29	54.8	90.6	5.69	.0685	205	7	100.0	10
08/24/17	3:30 p	80.0	80.8	79.8	42	54.8	13.0	WSW	2.17	19.0	WSW	77.5	79.2	76.7	28.907	0.00	0.00	0.000	0.104	91.7	30	55.9	91.0	5.88	.0685	204	7	100.0	10
08/24/17	3:40 p	80.3	80.5	79.9	41	54.5	14.0	WSW	2.33	18.0	WSW	77.6	79.4	76.7	28.905	0.00	0.00	0.000	0.106	91.8	29	55.0	90.8	5.68	.0685	204	7	100.0	10
08/24/17	3:50 p	79.5	80.3	79.5	42	54.4	14.0	WSW	2.33	19.0	WSW	76.7	78.8	76.0	28.901	0.00	0.00	0.000	0.101	90.0	31	55.3	89.2	6.15	.0687	204	7	100.0	10
08/24/17	4:00 p	80.0	80.0	79.5	42	54.8	14.0	WSW	2.33	21.0	W	77.2	79.2	76.4	28.898	0.00	0.00	0.000	0.104	90.2	31	55.5	89.4	6.14	.0686	204	7	100.0	10
08/24/17	4:10 p	79.5	80.2	79.4	43	55.0	14.0	WSW	2.33	21.0	WSW	76.7	78.9	76.1	28.894	0.00	0.00	0.000	0.101	89.5	31	54.9	88.2	6.15	.0687	204	7	100.0	10
08/24/17	4:20 p	80.0	80.0	79.2	41	54.2	14.0	WSW	2.33	20.0	WSW	77.2	79.1	76.3	28.891	0.00	0.00	0.000	0.104	90.3	30	54.7	89.4	5.94	.0686	204	7	100.0	10
08/24/17	4:30 p	79.7	80.1	79.4	41	53.9	14.0	WSW	2.33	20.0	WSW	76.9	78.9	76.1	28.890	0.00	0.00	0.000	0.102	90.3	29	53.7	89.0	5.74	.0687	205	7	100.0	10
08/24/17	4:40 p	79.1	79.7	78.8	42	54.0	14.0	WSW	2.33	19.0	W	76.2	78.5	75.6	28.889	0.00	0.00	0.000	0.098	90.2	30	54.6	89.2	5.94	.0686	204	7	100.0	10
08/24/17	4:50 p	78.9	79.5	78.9	43	54.5	13.0	WSW	2.17	19.0	WSW	76.2	78.4	75.7	28.889	0.00	0.00	0.000	0.097	87.9	33	55.2	86.3	6.41	.0689	204	7	100.0	10
08/24/17	5:00 p	78.7	79.1	78.7	43	54.3	13.0	WSW	2.17	17.0	WSW	76.0	78.2	75.5	28.889	0.00	0.00	0.000	0.095	87.0	33	54.4	85.8	6.39	.0691	204	7	100.0	10
08/24/17	5:10 p	78.2	78.7	77.9	44	54.5	13.0	WSW	2.17	18.0	WSW	75.4	77.7	74.9	28.889	0.00	0.00	0.000	0.092	85.7	35	54.9	85.0	6.66	.0692	205	7	100.0	10
08/24/17	5:20 p	77.6	78.4	77.6	43	53.3	13.0	WSW	2.17	18.0	WSW	74.8	77.0	74.2	28.885	0.00	0.00	0.000	0.087	85.0	35	54.3	84.2	6.65	.0693	204	7	100.0	10
08/24/17	5:30 p	77.4	77.6	77.2	45	54.4	13.0	W	2.17	17.0	W	74.5	76.9	74.0	28.881	0.00	0.00	0.000	0.086	84.1	37	55.0	83.8	7.07	.0694	204	7	100.0	10
08/24/17	5:40 p	76.9	77.6	76.8	45	53.9	12.0	WSW	2.00	18.0	WSW	74.3	76.4	73.8	28.880	0.00	0.00	0.000	0.083	83.6	36	53.8	82.9	6.81	.0695	203	7	100.0	10
08/24/17	5:50 p	76.0	77.1	76.0	47	54.3	12.0	WSW	2.00	16.0	WSW	73.3	75.8	73.1	28.880	0.00	0.00	0.000	0.076	82.4	38	54.2	81.6	7.25	.0696	205	7	100.0	10
08/24/17	6:00 p	75.6	76.1	75.5	47	53.9	12.0	W	2.00	17.0	WSW	72.9	75.4	72.7	28.876	0.00	0.00	0.000	0.074	81.5	39	54.2	80.5	7.42	.0697	204	7	100.0	10
08/24/17	6:10 p	75.4	75.7	75.4	46	53.2	13.0	WSW	2.17	17.0	W	72.2	75.1	71.9	28.875	0.00	0.00	0.000	0.072	81.3	38	53.3	80.2	7.25	.0698	204	7	100.0	10
08/24/17	6:20 p	73.5	75.3	73.5	50	53.7	12.0	W	2.00	16.0	W	70.6	73.1	70.2	28.875	0.00	0.00	0.000	0.059	79.3	41	53.6	78.5	7.75	.0700	204	7	100.0	10
08/24/17	6:30 p	73.2	73.5	73.1	49	52.9	12.0	WSW	2.00	16.0	W	70.2	72.7	69.7	28.872	0.00	0.00	0.000	0.057	78.5	41	52.8	77.8	7.75	.0702	205	7	100.0	10
08/24/17	6:40 p	72.9	73.3	72.9	50	53.2	12.0	WSW	2.00	15.0	WSW	69.9	72.4	69.4	28.869	0.00	0.00	0.000	0.055	77.4	42	52.5	76.7	7.90	.0703	202	7	100.0	10
08/24/17	6:50 p	72.1	72.9	72.1	50	52.4	13.0	WSW	2.17	16.0	WSW	68.7	71.2	67.8	28.868	0.00	0.00	0.000	0.049	75.8	44	52.3	75.3	8.23	.0705	204	7	100.0	10
08/24/17	7:00 p	70.6	72.1	70.6	54	53.1	12.0	WSW	2.00	15.0	WSW	67.5	69.4	66.3	28.867	0.00	0.00	0.000	0.039	74.1	48	53.2	73.7	8.93	.0707	204	7	100.0	10
08/24/17	7:10 p	69.5	70.6	69.5	56	53.1	12.0	WSW	2.00	18.0	WSW	66.4	68.4	65.3	28.868	0.00	0.00	0.000	0.031	72.2	50	52.5	71.4	9.25	.0710	205	7	100.0	10
08/24/17	7:20 p	68.5	69.5	68.5	58	53.1	12.0	WSW	2.00	16.0	WSW	65.4	67.9	64.8	28.871	0.00	0.00	0.000	0.024	70.6	54	53.1	69.4	9.94	.0712	204	7	100.0	10
08/24/17	7:30 p	67.4	68.5	67.4	60	53.0	8.0	W	1.33	11.0	WSW	66.8	67.0	66.4	28.873	0.00	0.00	0.000	0.017	69.5	55	52.6	68.3	10.16	.0714	204	7	100.0	10
08/24/17	7:40 p	66.1	67.4	66.1	62	52.7	7.0	WSW	1.17	11.0	W	66.1	65.6	65.6	28.876	0.00	0.00	0.000	0.008	67.5	58	52.2	66.9	10.75	.0717	205	7	100.0	10
08/24/17	7:50 p	65.3	66.1	65.3	61	51.5	8.0	WSW	1.33	13.0	W	64.7	64.6	64.0	28.877	0.00	0.00	0.000	0.002	66.0	59	51.3	65.2	10.95	.0719	203	7	100.0	10
08/24/17	8:00 p	64.9	65.3	64.9	62	51.6	7.0	W	1.17	11.0	W	64.9	64.3	64.3	28.878	0.00	0.00	0.001	0.000	65.4	60	51.1	64.6	11.05	.0720	204	7	100.0	10
08/24/17	8:10 p	64.2	64.9	64.2	64	51.8	8.0	WSW	1.33	11.0	WSW	63.4	63.7	62.9	28.877	0.00	0.00	0.006	0.000	64.6	62	51.3	63.9	11.45	.0721	204	7	100.0	10
08/24/17	8:20 p	63.4	64.2	63.4	67	52.2	6.0	WSW	1.00	12.0	WSW	63.4	63.0	63.0	28.880	0.00	0.00	0.011	0.000	63.7	65	51.7	63.2	11.98	.0722	205	7	100.0	10
08/24/17	8:30 p	62.7	63.3	62.7	69	52.4	3.0	WSW	0.50	7.0	WSW	62.7	62.3	62.3	28.887	0.00	0.00	0.016	0.000	63.0	68	52.3	62.6	12.75	.0723	204	7	100.0	10
08/24/17	8:40 p	62.0	62.7	62.0	71	52.5	6.0	WSW	1.00	10.0	WSW	62.0	61.6	61.6	28.887	0.00	0.00	0.021	0.000	62.2	70	52.3	61.7	13.29	.0724	204	7	100.0	10
08/24/17	8:50 p	61.7	62.1	61.7	72	52.6	8.0	WSW	1.33	10.0	WSW	60.5	61.3	60.1	28.888	0.00	0.00	0.023	0.000	61.8	71	52.3	61.3	13.49	.0725	203	7	100.0	10
08/24/17	9:00 p	61.7	61.7	61.7	71	52.2	7.0	WSW	1.17	10.0	W	61.3	61.2	60.8	28.891	0.00	0.00	0.023	0.000	61.6	71	52.1	61.1	13.48	.0725	204	7	100.0	10
08/24/17	9:10 p	61.6	61.8	61.6	70	51.7	7.0	WSW	1.17	12.0	WSW	61.2	61.1	60.7	28.892	0.00	0.00	0.024	0.000	61.5	70	51.6	61.0	13.28	.0725	204	7	100.0	10
08/24/17	9:20 p	61.3	61.6	61.3	70	51.4	7.0	WSW	1.17	10.0	W	60.8	60.7	60.2	28.894	0.00	0.00	0.026	0.000	61.2	70	51.3	60.6	13.27	.0726	203	7	100.0	10
08/24/17	9:30 p	61.1	61.3	61.1	71	51.6	9.0	WSW	1.50	13.0	WSW	59.0	60.6	58.5	28.894	0.00	0.00	0.027	0.000	61.1	70	51.2	60.5	13.27	.0726	204	7	100.0	10
08/24/17	9:40 p	60.9	61.1	60.9	71	51.4	7.0	WSW	1.17	11.0	WSW	60.3	60.4	59.8	28.899	0.00	0.00	0.028	0.000	60.8	71	51.3	60.3	13.47	.0727	204	7	100.0	10
08/24/17	9:50 p	60.6	60.9	60.6	72	51.5	7.0	WSW	1.17	10.0	WSW	59.9	60.1	59.4	28.901	0.00	0.00	0.031	0.000	60.6	71	51.1	60.1	13.46	.0727	203	7	100.0	10
08/24/17	10:00 p	60.5	60.6	60.5	72	51.4	7.0	W	1.17	10.0	W	59.8	60.0	59.3	28.903	0.00	0.00	0.031	0.000	60.4	72	51.3	59.9	13.75	.0727	204	7	100.0	10
08/24/17	10:10 p	60.2	60.5	60.2	73	51.5	5.0	WSW	0.83	9.0	WSW	60.2	59.7	59.7	28.904	0.00	0.00	0.033	0.000	60.2	72	51.1	59.7	13.75	.0728	204	7	100.0	10
08/24/17	10:20 p	60.0	60.2	59.9	74	51.7	4.0	WSW	0.67	8.0	W	60.0	59.6	59.6	28.906	0.00	0.00	0.035	0.000	59.9	73	51.2	59.4	13.96	.0728	205	7	100.0	10
08/24/17	10:30 p	59.8	60.0	59.8	74	51.5	3.0	WSW	0.50	7.0	WSW	59.8	59.3	59.3	28.903	0.00	0.00	0.036	0.000	59.8	72	50.8	59.3	13.76	.0728	204	7	100.0	10
08/24/17	10:40 p	59.7	59.8	59.6	74	51.4	2.0	WSW	0.33	5.0	WSW	59.7	59.2	59.2	28.905	0.00	0.00	0.037	0.000	59.4	74	51.1	58.9	14.29	.0729	204	7	100.0	10
08/24/17	10:50 p	59.4	59.8	59.4	75	51.5	2.0	WSW	0.33	5.0	WSW	59.4	58.9	58.9	28.905	0.00	0.00	0.039	0.000	59.1	75	51.2	58.6	14.69	.0729	204	7	100.0	10
08/24/17	11:00 p	59.2	59.5	59.2	75	51.3	1.0	WSW	0.17	5.0	WSW	59.2	58.7	58.7	28.905	0.00	0.00	0.040	0.000	58.8	75	50.9	58.3	14.70	.0730	204	7	100.0	10
08/24/17	11:10 p	58.8	59.2	58.8	76	51.2	1.0	WSW	0.17	3.0	WSW	58.8	58.4	58.4	28.905	0.00	0.00	0.043	0.000	58.3	75	50.4	57.8	14.72	.0731	204	7	100.0	10
08/24/17	11:20 p	58.4	58.8	58.4	77	51.2	0.0	WSW	0.00	2.0	WSW	58.4	58.0	58.0	28.906	0.00	0.00	0.046	0.000	57.8	75	49.9	57.3	14.74	.0732	204	7	100.0	10
08/24/17	11:30 p	57.9	58.4	57.9	78	51.1	0.0	WSW	0.00	1.0	WSW	57.9	57.6	57.6	28.906	0.00	0.00	0.049	0.000	57.2	77	50.1	56.8	15.41	.0732	204	7	100.0	10
08/24/17	11:40 p	57.7	57.9	57.7	79	51.2	1.0	WSW	0.17	3.0	WSW	57.7	57.4	57.4	28.909	0.00	0.00	0.051	0.000	57.1	78	50.3	56.7	15.71	.0733	203	7	100.0	10
08/24/17	11:50 p	57.6	57.7	57.6	80	51.5	1.0	WSW	0.17	3.0	WSW	57.6	57.4	57.4	28.912	0.00	0.00	0.051	0.000	57.1	79	50.6	56.8	16.05	.0733	203	7	100.0	10
08/25/17	12:00 a	57.7	57.7	57.5	80	51.6	2.0	WSW	0.33	4.0	WSW	57.7	57.5	57.5	28.910	0.00	0.00	0.051	0.000	57.0	80	50.9	56.7	16.35	.0733	204	7	100.0	10
08/25/17	12:10 a	57.8	58.0	57.7	80	51.7	3.0	WSW	0.50	8.0	WSW	57.8	57.6	57.6	28.905	0.00	0.00	0.050	0.000	57.3	80	51.2	57.0	16.35	.0732	204	7	100.0	10
08/25/17	12:20 a	57.1	57.8	57.1	82	51.7	2.0	WSW	0.33	5.0	SW	57.1	56.9	56.9	28.905	0.00	0.00	0.055	0.000	57.0	81	51.2	56.7	16.69	.0732	204	7	100.0	10
08/25/17	12:30 a	56.8	57.1	56.8	82	51.4	2.0	SSW	0.33	6.0	W	56.8	56.6	56.6	28.904	0.00	0.00	0.057	0.000	56.8	81	51.0	56.5	16.69	.0733	204	7	100.0	10
08/25/17	12:40 a	56.5	56.8	56.5	82	51.1	2.0	WSW	0.33	7.0	W	56.5	56.3	56.3	28.904	0.00	0.00	0.059	0.000	56.6	81	50.8	56.3	16.68	.0733	204	7	100.0	10
08/25/17	12:50 a	56.6	56.6	56.5	82	51.2	2.0	SW	0.33	9.0	WSW	56.6	56.4	56.4	28.906	0.00	0.00	0.058	0.000	56.5	82	51.1	56.3	16.98	.0733	205	7	100.0	10
08/25/17	1:00 a	56.4	56.6	56.4	83	51.3	1.0	SSE	0.17	4.0	SSW	56.4	56.2	56.2	28.902	0.00	0.00	0.060	0.000	56.3	82	50.9	56.1	16.98	.0733	204	7	100.0	10
08/25/17	1:10 a	56.1	56.4	56.1	84	51.3	2.0	S	0.33	5.0	WSW	56.1	56.0	56.0	28.899	0.00	0.00	0.062	0.000	56.2	83	51.1	56.0	17.37	.0733	204	7	100.0	10
08/25/17	1:20 a	56.0	56.1	56.0	84	51.2	1.0	SW	0.17	5.0	SW	56.0	55.9	55.9	28.901	0.00	0.00	0.063	0.000	56.0	83	50.9	55.8	17.37	.0734	204	7	100.0	10
08/25/17	1:30 a	55.8	56.1	55.8	85	51.4	2.0	S	0.33	4.0	S	55.8	55.7	55.7	28.901	0.00	0.00	0.064	0.000	55.8	83	50.7	55.6	17.37	.0734	204	7	100.0	10
08/25/17	1:40 a	55.7	55.8	55.7	86	51.6	2.0	S	0.33	5.0	S	55.7	55.6	55.6	28.900	0.00	0.00	0.065	0.000	55.7	84	50.9	55.6	17.85	.0734	204	7	100.0

08/25/17	2:40 a	54.6	54.9	54.6	89	51.4	3.0	SSE	0.50	6.0	SSE	54.6	54.7	54.7	28.898	0.00	0.00	0.072	0.000	54.9	87	51.1	54.9	19.15	.0735	204	7	100.0	10
08/25/17	2:50 a	54.5	54.6	54.5	90	51.6	4.0	SE	0.67	7.0	SE	54.1	54.6	54.2	28.899	0.00	0.00	0.073	0.000	54.9	88	51.4	54.9	19.55	.0735	205	7	100.0	10
08/25/17	3:00 a	54.3	54.5	54.3	90	51.4	5.0	SE	0.83	8.0	SE	53.3	54.4	53.4	28.899	0.00	0.00	0.074	0.000	54.9	89	51.7	55.0	19.95	.0735	204	7	100.0	10
08/25/17	3:10 a	54.3	54.4	54.2	90	51.4	3.0	SSE	0.50	7.0	SSE	54.3	54.4	54.4	28.899	0.00	0.00	0.074	0.000	54.6	89	51.4	54.7	19.95	.0735	204	7	100.0	10
08/25/17	3:20 a	54.2	54.3	54.2	90	51.3	3.0	SSE	0.50	6.0	SSE	54.2	54.3	54.3	28.901	0.00	0.00	0.075	0.000	54.5	89	51.3	54.6	19.95	.0736	204	7	100.0	10
08/25/17	3:30 a	54.2	54.3	54.2	91	51.6	3.0	SSE	0.50	6.0	SSE	54.2	54.3	54.3	28.897	0.00	0.00	0.075	0.000	54.5	89	51.3	54.6	19.95	.0736	205	7	100.0	10
08/25/17	3:40 a	53.9	54.2	53.9	91	51.3	3.0	SSE	0.50	7.0	SSE	53.9	54.0	54.0	28.895	0.00	0.00	0.077	0.000	54.3	89	51.1	54.4	19.95	.0736	204	7	100.0	10
08/25/17	3:50 a	53.7	53.9	53.7	91	51.1	3.0	SSE	0.50	6.0	SE	53.7	53.8	53.8	28.893	0.00	0.00	0.078	0.000	54.1	90	51.2	54.2	20.45	.0736	204	7	100.0	10
08/25/17	4:00 a	53.7	53.8	53.7	91	51.1	4.0	SSE	0.67	7.0	SSE	53.1	53.8	53.2	28.892	0.00	0.00	0.078	0.000	54.1	90	51.2	54.2	20.45	.0736	204	7	100.0	10
08/25/17	4:10 a	53.6	53.7	53.6	92	51.3	4.0	SSE	0.67	9.0	SSE	53.0	53.8	53.2	28.888	0.00	0.00	0.079	0.000	54.0	91	51.4	54.1	20.55	.0736	202	7	100.0	10
08/25/17	4:20 a	53.7	53.7	53.6	92	51.4	4.0	SSE	0.67	7.0	SSE	53.1	53.9	53.3	28.891	0.00	0.00	0.078	0.000	54.0	91	51.4	54.1	20.55	.0736	204	7	100.0	10
08/25/17	4:30 a	53.8	53.9	53.7	92	51.5	3.0	SSE	0.50	6.0	SSE	53.8	53.9	53.9	28.892	0.00	0.00	0.078	0.000	54.0	91	51.4	54.1	20.55	.0736	204	7	100.0	10
08/25/17	4:40 a	53.6	53.8	53.6	92	51.3	3.0	SSE	0.50	5.0	SE	53.6	53.8	53.8	28.887	0.00	0.00	0.079	0.000	53.9	91	51.3	54.0	20.55	.0736	204	7	100.0	10
08/25/17	4:50 a	53.5	53.7	53.5	92	51.2	2.0	SSE	0.33	6.0	SSE	53.5	53.7	53.7	28.891	0.00	0.00	0.080	0.000	53.8	91	51.2	53.9	20.55	.0736	204	7	100.0	10
08/25/17	5:00 a	53.4	53.5	53.4	92	51.1	3.0	SSE	0.50	5.0	SSE	53.4	53.6	53.6	28.888	0.00	0.00	0.081	0.000	53.7	91	51.1	53.8	20.55	.0737	204	7	100.0	10
08/25/17	5:10 a	53.5	53.5	53.4	93	51.5	3.0	SSE	0.50	6.0	SSE	53.5	53.7	53.7	28.886	0.00	0.00	0.080	0.000	53.8	92	51.5	53.9	20.55	.0736	204	7	100.0	10
08/25/17	5:20 a	53.7	53.7	53.6	92	51.4	3.0	SSE	0.50	5.0	SSE	53.7	53.9	53.9	28.889	0.00	0.00	0.078	0.000	53.9	91	51.3	54.0	20.55	.0736	205	7	100.0	10
08/25/17	5:30 a	53.7	53.7	53.6	93	51.7	2.0	SSE	0.33	5.0	SSE	53.7	53.9	53.9	28.889	0.00	0.00	0.078	0.000	53.8	91	51.2	53.9	20.55	.0736	204	7	100.0	10
08/25/17	5:40 a	53.7	53.7	53.6	93	51.7	2.0	SSE	0.33	5.0	SE	53.7	53.9	53.9	28.889	0.00	0.00	0.078	0.000	53.7	91	51.1	53.8	20.55	.0737	203	7	100.0	10
08/25/17	5:50 a	53.4	53.7	53.4	92	51.1	1.0	SSE	0.17	4.0	SSE	53.4	53.6	53.6	28.889	0.00	0.00	0.081	0.000	53.5	91	50.9	53.6	20.55	.0737	204	7	100.0	10
08/25/17	6:00 a	53.4	53.5	53.4	92	51.1	1.0	SSE	0.17	4.0	SSE	53.4	53.6	53.6	28.892	0.00	0.00	0.081	0.000	53.4	91	50.8	53.5	20.55	.0737	204	7	100.0	10
08/25/17	6:10 a	53.1	53.4	53.1	93	51.1	2.0	SSE	0.33	5.0	SSE	53.1	53.3	53.3	28.892	0.00	0.00	0.083	0.000	53.2	91	50.6	53.3	20.55	.0738	204	7	100.0	10
08/25/17	6:20 a	53.7	53.7	53.1	93	51.7	2.0	SSE	0.33	6.0	SSE	53.7	53.9	53.9	28.896	0.00	0.00	0.078	0.000	53.5	92	51.2	53.7	20.55	.0737	204	7	100.0	10
08/25/17	6:30 a	54.4	54.4	53.7	93	52.4	3.0	SSE	0.50	9.0	SSE	54.4	54.6	54.6	28.904	0.00	0.00	0.074	0.000	54.1	92	51.8	54.2	20.55	.0736	203	7	100.0	10
08/25/17	6:40 a	54.5	54.6	54.4	91	51.9	3.0	SSE	0.50	6.0	SSE	54.5	54.6	54.6	28.906	0.00	0.00	0.073	0.000	54.3	91	51.7	54.4	20.55	.0736	204	7	100.0	10
08/25/17	6:50 a	54.5	54.6	54.5	91	51.9	3.0	SSE	0.50	5.0	SSE	54.5	54.6	54.6	28.907	0.00	0.00	0.073	0.000	54.6	91	52.0	54.7	20.55	.0735	204	7	100.0	10
08/25/17	7:00 a	54.4	54.5	54.4	91	51.8	2.0	SE	0.33	5.0	SE	54.4	54.5	54.5	28.909	0.00	0.00	0.074	0.000	54.8	91	52.2	54.9	20.55	.0735	204	7	100.0	10
08/25/17	7:10 a	54.5	54.5	54.3	92	52.2	3.0	SE	0.50	7.0	SE	54.5	54.6	54.6	28.911	0.00	0.00	0.073	0.000	54.9	91	52.3	55.0	20.55	.0735	204	7	100.0	10
08/25/17	7:20 a	54.5	54.6	54.5	91	51.9	3.0	SSE	0.50	8.0	SSE	54.5	54.6	54.6	28.912	0.00	0.00	0.073	0.000	55.2	90	52.3	55.3	20.45	.0735	203	7	100.0	10
08/25/17	7:30 a	54.3	54.5	54.3	92	52.0	4.0	SSE	0.67	8.0	SSE	53.8	54.4	53.9	28.916	0.00	0.00	0.074	0.000	55.1	90	52.2	55.2	20.45	.0735	204	7	100.0	10
08/25/17	7:40 a	54.6	54.6	54.3	93	52.6	5.0	SSE	0.83	10.0	S	53.6	54.8	53.8	28.917	0.00	0.00	0.072	0.000	55.2	91	52.6	55.3	20.55	.0735	204	7	100.0	10
08/25/17	7:50 a	55.2	55.2	54.6	91	52.6	1.0	SE	0.17	5.0	SSE	55.2	55.3	55.3	28.920	0.00	0.00	0.068	0.000	56.9	88	53.4	56.9	19.55	.0732	204	7	100.0	10
08/25/17	8:00 a	55.7	55.7	55.2	91	53.1	1.0	S	0.17	3.0	S	55.7	55.8	55.8	28.918	0.00	0.00	0.065	0.000	59.3	86	55.1	59.4	18.74	.0728	204	7	100.0	10
08/25/17	8:10 a	57.2	57.2	55.7	89	54.0	0.0	S	0.00	2.0	S	57.2	57.3	57.3	28.915	0.00	0.00	0.054	0.000	63.5	79	56.9	63.8	16.19	.0721	204	7	100.0	10
08/25/17	8:20 a	57.5	57.5	57.2	88	54.0	0.0	S	0.00	2.0	S	57.5	57.5	57.5	28.917	0.00	0.00	0.052	0.000	65.8	73	56.9	66.1	14.03	.0718	203	7	100.0	10
08/25/17	8:30 a	59.4	59.4	57.5	85	54.9	0.0	S	0.00	3.0	S	59.4	59.4	59.4	28.917	0.00	0.00	0.039	0.000	69.8	70	59.6	70.0	13.16	.0712	205	7	100.0	10
08/25/17	8:40 a	61.0	61.0	59.5	81	55.1	1.0	SSE	0.17	3.0	SSE	61.0	61.0	61.0	28.917	0.00	0.00	0.028	0.000	74.2	58	58.5	74.7	10.58	.0706	203	7	100.0	10
08/25/17	8:50 a	61.7	61.7	61.1	80	55.5	0.0	S	0.00	5.0	SSE	61.7	61.8	61.8	28.916	0.00	0.00	0.023	0.000	75.7	56	58.9	76.1	10.22	.0704	204	7	100.0	10
08/25/17	9:00 a	61.9	61.9	61.7	79	55.3	0.0	SSW	0.00	2.0	SSW	61.9	62.0	62.0	28.918	0.00	0.00	0.022	0.000	77.0	51	57.5	76.9	9.35	.0703	201	7	100.0	10
08/25/17	9:10 a	62.2	62.4	62.0	78	55.3	2.0	WSW	0.33	6.0	WSW	62.2	62.3	62.3	28.898	0.00	0.00	0.019	0.000	74.3	56	57.6	74.7	10.26	.0706	202	7	100.0	10
08/25/17	9:20 a	62.7	62.7	62.2	77	55.4	2.0	WSW	0.33	4.0	WSW	62.7	62.7	62.7	28.898	0.00	0.00	0.016	0.000	72.1	56	55.5	71.7	10.31	.0710	202	7	100.0	10
08/25/17	9:30 a	63.8	63.8	62.7	74	55.4	2.0	WSW	0.33	5.0	SSE	63.8	63.8	63.8	28.899	0.00	0.00	0.008	0.000	71.4	56	54.9	70.7	10.32	.0711	202	7	100.0	10
08/25/17	9:40 a	64.7	64.7	63.8	71	55.1	2.0	WSW	0.33	5.0	WSW	64.7	64.7	64.7	28.902	0.00	0.00	0.002	0.000	71.7	56	55.2	71.1	10.32	.0710	204	7	100.0	10
08/25/17	9:50 a	65.7	65.7	64.7	69	55.2	1.0	SW	0.17	5.0	WSW	65.7	65.8	65.8	28.924	0.00	0.00	0.000	0.005	72.6	55	55.5	72.4	10.10	.0710	151	7	76.3	10
08/25/17	10:00 a	---	---	---	---	---	0.0	---	0.00	0.0	---	---	---	---	29.220	0.00	0.00	---	---	73.7	54	56.0	73.7	9.88	.0715	0	7	0.0	10
08/25/17	10:10 a	---	---	---	---	---	0.0	---	0.00	0.0	---	---	---	---	29.214	0.00	0.00	---	---	72.9	54	55.3	72.8	9.89	.0717	0	7	0.0	10
08/25/17	10:20 a	68.6	68.6	68.2	62	55.1	4.0	WSW	0.67	8.0	WSW	68.6	68.3	68.3	28.929	0.00	0.00	0.000	0.025	72.6	53	54.5	72.2	9.75	.0710	131	7	66.2	10
08/25/17	10:30 a	69.6	69.6	68.6	61	55.6	3.0	WSW	0.50	6.0	W	69.6	69.0	69.0	28.929	0.00	0.00	0.000	0.032	72.2	53	54.1	71.6	9.76	.0711	203	7	100.0	10
08/25/17	10:40 a	70.9	70.9	69.6	58	55.4	3.0	WSW	0.50	7.0	WSW	70.9	70.2	70.2	28.930	0.00	0.00	0.000	0.041	72.1	52	53.5	71.4	9.61	.0711	203	7	100.0	10
08/25/17	10:50 a	71.6	71.6	70.9	55	54.6	3.0	WSW	0.50	8.0	W	71.6	70.9	70.9	28.932	0.00	0.00	0.000	0.046	72.2	52	53.6	71.5	9.61	.0711	204	7	100.0	10
08/25/17	11:00 a	72.1	72.1	71.5	54	54.5	3.0	WSW	0.50	9.0	WSW	72.1	71.6	71.6	28.933	0.00	0.00	0.000	0.049	72.6	51	53.4	72.0	9.40	.0711	204	7	100.0	10
08/25/17	11:10 a	73.3	73.3	72.1	52	54.6	2.0	WSW	0.33	8.0	WSW	73.3	73.1	73.1	28.932	0.00	0.00	0.000	0.058	73.1	51	53.9	72.7	9.39	.0710	205	7	100.0	10
08/25/17	11:20 a	74.4	74.4	73.3	49	54.0	3.0	WSW	0.50	9.0	WSW	74.4	74.2	74.2	28.906	0.00	0.00	0.000	0.065	73.6	50	53.8	73.2	9.25	.0709	189	7	95.5	10
08/25/17	11:30 a	75.2	75.2	74.6	47	53.6	4.0	WSW	0.67	8.0	WSW	75.2	75.0	75.0	28.906	0.00	0.00	0.000	0.071	73.9	50	54.1	73.6	9.25	.0708	196	7	99.0	10
08/25/17	11:40 a	76.2	76.2	75.2	43	52.1	3.0	WSW	0.50	8.0	W	76.2	75.6	75.6	28.903	0.00	0.00	0.000	0.078	74.1	49	53.7	73.8	9.05	.0708	191	7	96.5	10
08/25/17	11:50 a	77.5	77.5	76.3	43	53.2	3.0	WSW	0.50	8.0	WSW	77.5	76.9	76.9	28.927	0.00	0.00	0.000	0.087	74.4	49	54.0	74.2	9.05	.0708	202	7	100.0	10
08/25/17	12:00 p	79.2	79.2	77.5	40	52.8	2.0	W	0.33	6.0	SW	79.2	78.4	78.4	28.922	0.00	0.00	0.000	0.099	74.8	49	54.4	74.7	9.05	.0707	204	7	100.0	10
08/25/17	12:10 p	80.1	80.1	79.3	38	52.2	2.0	SW	0.33	7.0	WSW	80.1	78.9	78.9	28.921	0.00	0.00	0.000	0.105	75.1	49	54.6	75.1	9.05	.0707	204	7	100.0	10
08/25/17	12:20 p	81.3	81.3	80.1	37	52.5	2.0	WSW	0.33	8.0	WSW	81.3	80.1	80.1	28.918	0.00	0.00	0.000	0.113	75.4	49	54.9	75.4	9.04	.0706	205	7	100.0	10
08/25/17	12:30 p	83.2	83.2	81.3	35	52.7	1.0	W	0.17	4.0	WSW	83.2	82.1	82.1	28.916	0.00	0.00	0.000	0.126	75.6	49	55.1	75.6	9.04	.0706	204	7	100.0	10
08/25/17	12:40 p	86.6	86.6	83.3	29	50.6	0.0	W	0.00	1.0	W	86.6	84.7	84.7	28.914	0.00	0.00	0.000	0.150	75.9	49	55.4	75.8	9.03	.0705	204	7	100.0	10
08/25/17	12:50 p	89.0	89.0	86.6	27	50.7	0.0	ESE	0.00	1.0	W	89.0	86.4	86.4	28.912	0.00	0.00	0.000	0.167	76.2	48	55.1	76.0	8.93	.0705	204	7	100.0	10
08/25/17	1:00 p	90.3	90.3	89.0	33	57.3	0.0	SSE	0.00	4.0	SE	90.3	89.9	89.9	28.894	0.00	0.00	0.000	0.176	76.8	48	55.6	76.5	8.91	.0703	205	7	100.0	10
08/25/17	1:10 p	93.9	93.9	90.4	26	53.8	1.0	SSE	0.17	9.0	SW	93.9	92.5	92.5	29.381	0.00	0.00	0.000	0.201	77.0	48	55.8	76.7	8.91	.0715	204	7	100.0	10
08/25/17	1:20 p	95.4	95.4	93.9	23	51.7	0.0	SE	0.00	4.0	SE	95.4	93.4	93.4	29.312	0.00	0.00	0.000	0.211	76.5	47	54.8	76.2	8.72	.0714	203	7	100.0	10
08/25/17	1:30 p	97.6	97.6	95.5	18	47.0	0.0	SE	0.00	1.0	ESE	97.6	94.5	94.5	28.930	0.00	0.00	0.000	0.226	75.7	46	53.4	75.4	8.54	.0707	203	7	100.0	10
08/25/17	1:40 p	99.1	99.1	97.7	16	45.0	0.0	SSE	0.00	1.0	W	99.1	95.8	95.8	29.043	0.00	0.00	0.000	0.237	75.1	46	52.9	74.9	8.55	.0710	204	7	100.0	10
08/25/17	1:50 p	98.6	100.0	98.6	26	57.8	5.0	SE	0.83	18.0	SSE	98.6	99.0	99.0	29.043	0.00	0.00	0.000	0.233	75.1	46	52.9	74.9	8.55	.0710	203	7	100.0	10
08/25/17	2:00 p	97.2	98.5	97.0	31	61.5	8.0	N	1.33	18.0	SSE	97.2	98.8	98.8	29.856	0.00	0.00	0.000	0.224	75.1	46	52.9	74.9	8.55	.0730	202	7	100.0	10
08/25/17	2:10 p	98.0	98.0	97.0	27	58.3	4.0	N	0.67	12.0	NNE	98.0	98.5	98.5	29.881	0.00	0.00	0.000	0.229	74.9	46	52.7	74.6	8.55	.0731	204	7	100.0	10
08/25/17	2:20 p	98.6	98.6	98.0	26	57.8	5.0	SE	0.83	15.0	SE	98.6	99.0	99.0	29.875	0.00	0.00	0.000	0.233	74.7	46	52.5	74.4	8.56	.0732	205	7	100.0	10
08/25/17	2:30 p	99.2	99.2	98.6	27	59.3	7.0	NNE	1.17	14.0	SE	99.2	100.2	100.2	29.848	0.00	0.00	0.000	0.237	74.6	46	52.4	74.3	8.56	.0731	202	7	100.0	10
08/25/17	2:40 p	99.4	99.4	99.2	27	59.5	2.0	SE	0.33	10.0	NNE	99.4	100.5	100.5	29.845	0.00	0.00	0.000	0.239	74.3	46	52.2	73.9	8.56	.0732	204	7	100.0	10
08/25/17	2:50 p	99.2	99.8	99.1	24	56.1	7.0	SE	1.17	15.0	SSW	99.2	99.0	99.0	29.842	0.00	0.00	0.000	0.237	74.1	46	52.0	73.6	8.57	.0732	204	7	100.0	10
08/25/17	3:00 p	99.8	99.8	99.2	24	56.6	5.0	N	0.83	14.0	NNE	99.8	99.8	99.8	29.839	0.00	0.00	0.000	0.242	74.0	46	51.9	73.5	8.57	.0732	203	7	100.0	10
08/25/17	3:10 p	101.1	101.1	99.8	21	54.0	2.0	SSE	0.33	10.0	ESE	101.1	99.9	99.9	29.802	0.00	0.00	0.000	0.251	74.0	45	51.3	73.4	8.45	.0731	202	7	100.0	10
08/25/17	3:20 p	102.6	102.6	101.1	17	49.5	5.0	N	0.83	11.0	SSE	102.6	100.2	100.2	29.718	0.00	0.00	0.000	0.261	73.9	45	51.2	73.3	8.45	.0729	204	7	100.0	10
08/25/17	3:30 p	102.4	103.0	102.4	17	49.3	1.0	SSE	0.17	8.0	NW	102.4	99.9	99.9	29.783	0.00	0.00	0.000	0.260	73.7	45	51.0	73.0	8.45	.0731	204	7	100.0	10
08/25/17	3:40 p	101.3	102.4	101.3	18	49.9	0.0	SE	0.00	4.0	SSE	101.3	98.9	98.9	29.782	0.00	0.00	0.000	0.252	73.8	46	51.7	73.2	8.57	.0731	203	7	100.0	10
08/25/17	3:50 p	101.6	101.8	101.3	17	48.7	0.0	SE	0.00	2.0	SSE	101.6	98.9	98.9	29.761	0.00	0.00	0.000	0.254	74.7	46	52.5	74.4	8.56	.0729	201	7	100.0	10
08/25/17	4:00 p	101.3	101.6	101.3	17	48.4	0.0	---	0.00	0.0	---	101.3	98.6	98.6	29.759	0.00	0.00	0.000	0.252	76.0	46	53.7	75.7	8.53	.0727	198	7	100.0	10
08/25/17	4:10 p	101.1	101.3	101.1	18	49.8	0.0	SW	0.00	2.0	SW	101.1	98.6	98.6	29.755	0.00	0.00	0.000	0.251	77.7	46	55.3	77.3	8.50	.0724	203	7	100.0	10
08/25/17	4:20 p	101.0	101.1	101.0	17	48.2	0.0	SW	0.00	1.0	SW	101.0	98.2	98.2	29.752	0.00	0.00	0.000	0.250	79.6	46	57.0	79.3	8.46	.0720	200	7	100.0	10
08/25/17	4:30 p	101.0	101.0	101.0	20	52.6	0.0	SW	0.00	1.0	SW	101.0	99.1	99.1	29.750	0.00	0.00	0.000	0.250	81.5	46	58.7	81.4	8.45	.0717	202	7	100.0	10
08/25/17	4:40 p	100.5	101.0	100.5	21	53.5	0.0	---	0.00	0.0	---	100.5	99.1	99.1	29.747	0.00	0.00	0.000	0.247	83.3	46	60.4	84.1	8.45	.0714	203	7	100.0	10
08/25/17	4:50 p	99.7	100.5	99.7	22	54.1	0.0	---	0.00	0.0	---	99.7	98.5	98.5	29.745	0.00	0.00	0.000	0.241	84.8	46	61.7	86.0	8.45	.0711	205	7	100.0	10

APPENDIX G

GEOCON CONSULTANTS
CLIENT # G032

REPORT # 17-568

SUBMITTED BY:
CHESTER LabNet
12242 S.W. GARDEN PLACE
TIGARD, OR 97223
(503)624-2183/FAX (503)624-2653
www.ChesterLab.Net

CHESTER LabNet

12242 SW Garden Place ❖ Tigard, OR 97223-8246 ❖ USA
Telephone 503-624-2183 ❖ Fax 503-624-2653 ❖ www.chesterlab.net

Case Narrative

Date: September 14, 2017

General Information

Client:	Geocon Consultants
Client Number:	W023
Sample Description:	8x10 QMA, 47mm Teflon
Report Number:	17-568

Analysis

Analytes:	TSP, PM_{10}, $PM_{2.5}$, Al, Cr, Mn, Fe, Ni, Cu, Zn, Cd, Sn, Pb
Analytical Protocols:	Gravimetry, X-Ray Fluorescence
Analytical Notes:	No problems were encountered during the analyses. The results have not been blank corrected.
QA/QC Review:	All of the data have been reviewed by the analysts performing the analyses and the project manager. All of the quality control and sample-specific information in this package is complete and meets or exceeds the minimum requirements for acceptability.
Comments:	If you have any questions or concerns regarding this analysis, please feel free to contact the project manager.
Disclaimer:	This report shall not be reproduced, except in full, without the written approval of the laboratory. The results only represent that of the samples as received into the laboratory.

Paul Duda 9/14/17

Project Manager Date
Paul Duda

Geocon Consultants

Gravimetric Data - Report # 17-568

Lab ID	Client ID	Sample Date	Tare Wt.(mg)	Tare Date	Tare Temp (°C)	Tare Hum.	Gross Wt.(mg)	Gross Date	Gross Temp (°C)	Gross Hum.	Net Wt.(µg)	Volume (m^3)	Concentration ($\mu g/m^3$)	Comments
17-Q693	VRL1-T1-TSP	8/22/17	4.4089	5/31/17	21.9	34	4.4688	9/5/17	22.0	36	59,900	1,762	34.0	Small fibers on deposit.
17-Q690	VRL2-T1-TSP	8/22/17	4.4334	5/31/17	21.9	34	4.5425	9/5/17	22.0	36	109,100	1,773	61.5	Small fiber on deposit.
17-Q692	VRL3-T1-TSP	8/22/17	4.4336	5/31/17	21.9	34	4.8369	9/5/17	22.0	36	403,300	1,760	229	Loose deposit
17-Q691	VRL5-T1-TSP	8/22/17	4.4312	5/31/17	21.9	34	4.4971	9/5/17	22.0	36	65,900	1,771	37.2	
17-Q694	VRL1-T2-TSP	8/23/17	4.4008	5/31/17	21.9	34	4.4725	9/5/17	22.0	36	71,700	1,762	40.7	Insect.
17-Q695	VRL2-T2-TSP	8/23/17	4.4063	5/31/17	21.9	34	4.5195	9/5/17	22.0	36	113,200	1,773	63.8	
17-Q696	VRL3-T2-TSP	8/23/17	4.4194	5/31/17	21.9	34	4.7280	9/5/17	22.0	36	308,600	1,760	175	Insect. Corner frayed. Small fiber on deposit. Loose Deposit.
17-Q698	VRL1-T3-TSP	8/25/17	4.3957	5/31/17	21.9	34	4.4595	9/5/17	22.0	36	63,800	1,762	36.2	Small fibers on deposit.
17-Q699	VRL2-T3-TSP	8/25/17	4.4190	5/31/17	21.9	34	4.6139	9/5/17	22.0	36	194,900	1,773	110	Loose deposit.
17-Q702	VRL3-T3-TSP	8/25/17	4.5034	6/1/17	21.9	33	4.7932	9/5/17	22.0	36	289,800	1,760	165	Loose Deposit.
17-Q701	VRL5-T3-TSP	8/25/17	4.3956	5/31/17	21.9	34	4.5882	9/5/17	22.0	36	192,600	1,771	109	
17-Q697	VRL1-T2-TSP-FB	8/23/17	4.4142	5/31/17	21.9	34	4.4152	9/5/17	22.0	36	1,000			
17-Q704	VRL3-T3-TSP-FB	8/25/17	4.4678	6/1/17	21.9	33	4.4686	9/5/17	22.0	36	800			
17-Q703	VRL-TB-TSP	8/22/17	4.4472	6/1/17	21.9	33	4.4486	9/5/17	22.0	36	1,400			
17-Q689	Lab Blank		4.4366	5/31/17	21.9	34	4.4372	9/5/17	22.0	36	600			
17-Q700	Lab Blank		4.4462	5/31/17	21.9	34	4.4474	9/5/17	22.0	36	1,200			

Client: G032 - Geocon Consultants
Report Number: 17-568

Lab ID: 17-Q693
Client ID: VRL1-T1-TSP
Site: VRL
Sample Date: 8/22/17
Filter Lot #: 9761551
Volume: 1762. ± 88.10 m³
Deposit Area: 406. cm²
Size Fraction: TSP
Comments: Small fibers on deposit.

Analyte	µg/filter		percent			µg/m³		
Gravimetry								
Net Mass	59,900.	±500.				34.00	±	1.723
XRF								
Al	988.6	±127.2	1.650	±	0.2127	0.5611	±	0.0774
Cr	14.01	± 1.502	0.0234	±	0.0025	0.0079	±	0.0009
Mn	30.04	± 2.395	0.0502	±	0.0040	0.0171	±	0.0016
Fe	1368.	± 70.85	2.284	±	0.1198	0.7765	±	0.0559
Ni	8.161	± 1.015	0.0136	±	0.0017	0.0046	±	0.0006
Cu	93.14	± 7.836	0.1555	±	0.0131	0.0529	±	0.0052
Zn	31.63	± 3.695	0.0528	±	0.0062	0.0179	±	0.0023
* Cd	0.0000	± 1.665	0.0000	±	0.0028	0.0000	±	0.0009
Sn	16.04	± 2.477	0.0268	±	0.0041	0.0091	±	0.0015
* Pb	7.430	± 3.004	0.0124	±	0.0050	0.0042	±	0.0017

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q690
Client ID: VRL2-T1-TSP
Site: VRL
Sample Date: 8/22/17
Filter Lot #: 9761551
Volume: 1773. ± 88.65 m³
Deposit Area: 406. cm²
Size Fraction: TSP
Comments: Small fiber on deposit.

Analyte	µg/filter		percent			µg/m³		
Gravimetry								
Net Mass	109,100.	±500.				61.53	±	3.090
XRF								
Al	1464.	±143.5	1.342	±	0.1317	0.8257	±	0.0908
Cr	23.30	± 1.989	0.0214	±	0.0018	0.0131	±	0.0013
Mn	62.20	± 3.979	0.0570	±	0.0037	0.0351	±	0.0028
Fe	2884.	±149.2	2.643	±	0.1373	1.6265	±	0.1170
Ni	14.53	± 1.299	0.0133	±	0.0012	0.0082	±	0.0008
Cu	221.4	± 11.53	0.2030	±	0.0106	0.1249	±	0.0090
Zn	55.01	± 5.156	0.0504	±	0.0047	0.0310	±	0.0033
* Cd	0.0000	± 1.665	0.0000	±	0.0015	0.0000	±	0.0009
Sn	19.81	± 2.598	0.0182	±	0.0024	0.0112	±	0.0016
Pb	11.25	± 3.126	0.0103	±	0.0029	0.0063	±	0.0018

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q692
Client ID: VRL3-T1-TSP
Site: VRL
Sample Date: 8/22/17
Filter Lot #: 9761551
Volume: 1760. ± 88.00 m³
Deposit Area: 406. cm²
Size Fraction: TSP
Comments: Loose deposit

Analyte	µg/filter		percent			µg/m³		
Gravimetry								
Net Mass	403,300.	±500.				229.1	±	11.46
XRF								
Al	2821.	±209.4	0.6995	±	0.0519	1.6028	±	0.1434
Cr	48.76	± 3.370	0.0121	±	0.0008	0.0277	±	0.0024
Mn	109.3	± 6.618	0.0271	±	0.0016	0.0621	±	0.0049
Fe	5465.	±283.4	1.355	±	0.0703	3.1050	±	0.2237
Ni	22.78	± 1.827	0.0056	±	0.0005	0.0129	±	0.0012
Cu	79.86	± 4.425	0.0198	±	0.0011	0.0454	±	0.0034
Zn	92.08	± 7.836	0.0228	±	0.0019	0.0523	±	0.0052
* Cd	0.0000	± 1.746	0.0000	±	0.0004	0.0000	±	0.0010
Sn	18.35	± 2.598	0.0046	±	0.0006	0.0104	±	0.0016
Pb	18.72	± 3.329	0.0046	±	0.0008	0.0106	±	0.0020

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q691
Client ID: VRL5-T1-TSP
Site: VRL
Sample Date: 8/22/17
Filter Lot #: 9761551
Volume: 1771. ± 88.55 m³
Deposit Area: 406. cm²
Size Fraction: TSP

Analyte	µg/filter		percent			µg/m³		
Gravimetry								
Net Mass	65,900.	±500.				37.21	±	1.882
XRF								
Al	929.3	±125.9	1.410	±	0.1913	0.5248	±	0.0758
Cr	14.17	± 1.543	0.0215	±	0.0023	0.0080	±	0.0010
Mn	34.71	± 2.558	0.0527	±	0.0039	0.0196	±	0.0017
Fe	1335.	± 98.05	2.025	±	0.1496	0.7535	±	0.0670
Ni	11.37	± 1.096	0.0173	±	0.0017	0.0064	±	0.0007
Cu	94.40	± 5.034	0.1432	±	0.0077	0.0533	±	0.0039
Zn	30.90	± 3.532	0.0469	±	0.0054	0.0174	±	0.0022
* Cd	0.0000	± 1.665	0.0000	±	0.0025	0.0000	±	0.0009
Sn	20.26	± 2.598	0.0307	±	0.0039	0.0114	±	0.0016
* Pb	4.953	± 2.964	0.0075	±	0.0045	0.0028	±	0.0017

* - XRF Concentration is less than three times the uncertainty

Client: G032 - Geocon Consultants
Report Number: 17-568

Lab ID: 17-Q694
Client ID: VRL1-T2-TSP
Site: VRL
Sample Date: 8/23/17
Filter Lot #: 9761551
Volume: 1762. ± 88.10 m³
Deposit Area: 406. cm²
Size Fraction: TSP
Comments: Insect.

Analyte	µg/filter		percent			µg/m³		
Gravimetry								
Net Mass	71,700.	±500.				40.69	±	2.054
XRF								
Al	1327.	±136.2	1.850	±	0.1904	0.7530	±	0.0860
Cr	16.89	± 1.624	0.0236	±	0.0023	0.0096	±	0.0010
Mn	41.45	± 2.923	0.0578	±	0.0041	0.0235	±	0.0020
Fe	1937.	±100.2	2.702	±	0.1410	1.0996	±	0.0791
Ni	8.404	± 1.056	0.0117	±	0.0015	0.0048	±	0.0006
Cu	106.4	± 5.643	0.1484	±	0.0079	0.0604	±	0.0044
Zn	32.97	± 3.816	0.0460	±	0.0053	0.0187	±	0.0024
* Cd	0.0000	± 1.665	0.0000	±	0.0023	0.0000	±	0.0009
Sn	15.47	± 2.517	0.0216	±	0.0035	0.0088	±	0.0015
Pb	10.27	± 3.045	0.0143	±	0.0042	0.0058	±	0.0018

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q695
Client ID: VRL2-T2-TSP
Site: VRL
Sample Date: 8/23/17
Filter Lot #: 9761551
Volume: 1773. ± 88.65 m³
Deposit Area: 406. cm²
Size Fraction: TSP

Analyte	µg/filter		percent			µg/m³		
Gravimetry								
Net Mass	113,200.	±500.				63.85	±	3.205
XRF								
Al	1475.	±143.1	1.303	±	0.1265	0.8319	±	0.0908
Cr	23.83	± 1.949	0.0211	±	0.0017	0.0134	±	0.0013
Mn	57.73	± 3.776	0.0510	±	0.0033	0.0326	±	0.0027
Fe	2598.	±134.4	2.295	±	0.1191	1.4653	±	0.1054
Ni	11.04	± 1.218	0.0098	±	0.0011	0.0062	±	0.0008
Cu	198.0	± 15.75	0.1749	±	0.0139	0.1117	±	0.0105
Zn	51.36	± 5.278	0.0454	±	0.0047	0.0290	±	0.0033
* Cd	0.6902	± 1.705	0.0006	±	0.0015	0.0004	±	0.0010
Sn	18.47	± 2.558	0.0163	±	0.0023	0.0104	±	0.0015
Pb	11.65	± 3.126	0.0103	±	0.0028	0.0066	±	0.0018

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q696
Client ID: VRL3-T2-TSP
Site: VRL
Sample Date: 8/23/17
Filter Lot #: 9761551
Volume: 1760. ± 88.00 m³
Deposit Area: 406. cm²
Size Fraction: TSP
Comments: Insect. Corner frayed. Small fiber on deposit. Loose Deposit.

Analyte	µg/filter		percent			µg/m³		
Gravimetry								
Net Mass	308,600.	±500.				175.3	±	8.772
XRF								
Al	3211.	±226.8	1.041	±	0.0735	1.8245	±	0.1579
Cr	40.72	± 2.842	0.0132	±	0.0009	0.0231	±	0.0020
Mn	120.2	± 7.146	0.0389	±	0.0023	0.0683	±	0.0053
Fe	6496.	±336.2	2.105	±	0.1090	3.6909	±	0.2656
Ni	19.08	± 1.665	0.0062	±	0.0005	0.0108	±	0.0011
Cu	93.87	± 8.079	0.0304	±	0.0026	0.0533	±	0.0053
Zn	93.10	± 7.998	0.0302	±	0.0026	0.0529	±	0.0053
* Cd	0.0000	± 1.746	0.0000	±	0.0006	0.0000	±	0.0010
Sn	21.03	± 2.680	0.0068	±	0.0009	0.0119	±	0.0016
Pb	21.48	± 3.451	0.0070	±	0.0011	0.0122	±	0.0021

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q698
Client ID: VRL1-T3-TSP
Site: VRL
Sample Date: 8/25/17
Filter Lot #: 9761551
Volume: 1762. ± 88.10 m³
Deposit Area: 406. cm²
Size Fraction: TSP
Comments: Small fibers on deposit.

Analyte	µg/filter		percent			µg/m³		
Gravimetry								
Net Mass	63,800.	±500.				36.21	±	1.833
XRF								
Al	1182.	±134.8	1.853	±	0.2117	0.6710	±	0.0835
Cr	15.92	± 1.583	0.0249	±	0.0025	0.0090	±	0.0010
Mn	38.69	± 2.801	0.0606	±	0.0044	0.0220	±	0.0019
Fe	1799.	± 93.10	2.819	±	0.1476	1.0208	±	0.0735
Ni	10.68	± 1.096	0.0167	±	0.0017	0.0061	±	0.0007
Cu	84.33	± 4.547	0.1322	±	0.0072	0.0479	±	0.0035
Zn	17.66	± 2.964	0.0277	±	0.0047	0.0100	±	0.0018
* Cd	1.015	± 1.705	0.0016	±	0.0027	0.0006	±	0.0010
Sn	11.33	± 2.477	0.0178	±	0.0039	0.0064	±	0.0014
Pb	9.744	± 3.086	0.0153	±	0.0048	0.0055	±	0.0018

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q699
Client ID: VRL2-T3-TSP
Site: VRL
Sample Date: 8/25/17
Filter Lot #: 9761551
Volume: 1773. ± 88.65 m³
Deposit Area: 406. cm²
Size Fraction: TSP
Comments: Loose deposit.

Analyte	µg/filter		percent			µg/m³		
Gravimetry								
Net Mass	194,900.	±500.				109.9	±	5.504
XRF								
Al	1838.	±163.3	0.9428	±	0.0838	1.0364	±	0.1057
Cr	33.54	± 2.517	0.0172	±	0.0013	0.0189	±	0.0017
Mn	79.29	± 4.994	0.0407	±	0.0026	0.0447	±	0.0036
Fe	3598.	±186.5	1.846	±	0.0958	2.0293	±	0.1462
Ni	13.64	± 1.340	0.0070	±	0.0007	0.0077	±	0.0008
Cu	186.6	± 15.14	0.0957	±	0.0078	0.1052	±	0.0100
Zn	58.67	± 6.009	0.0301	±	0.0031	0.0331	±	0.0038
* Cd	0.0000	± 1.746	0.0000	±	0.0009	0.0000	±	0.0010
Sn	18.96	± 2.639	0.0097	±	0.0014	0.0107	±	0.0016
Pb	28.54	± 3.613	0.0146	±	0.0019	0.0161	±	0.0022

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q702
Client ID: VRL3-T3-TSP
Site: VRL
Sample Date: 8/25/17
Filter Lot #: 9761551
Volume: 1760. ± 88.00 m³
Deposit Area: 406. cm²
Size Fraction: TSP
Comments: Loose Deposit.

Analyte	µg/filter		percent			µg/m³		
Gravimetry								
Net Mass	289,800.	±500.				164.7	±	8.238
XRF								
Al	3043.	±224.5	1.050	±	0.0775	1.7287	±	0.1541
Cr	44.98	± 3.207	0.0155	±	0.0011	0.0256	±	0.0022
Mn	136.9	± 8.120	0.0472	±	0.0028	0.0778	±	0.0060
Fe	7081.	±367.4	2.443	±	0.1268	4.0231	±	0.2899
Ni	20.38	± 1.827	0.0070	±	0.0006	0.0116	±	0.0012
Cu	138.2	± 7.430	0.0477	±	0.0026	0.0785	±	0.0058
Zn	93.83	± 8.079	0.0324	±	0.0028	0.0533	±	0.0053
* Cd	1.949	± 1.827	0.0007	±	0.0006	0.0011	±	0.0010
Sn	17.05	± 2.680	0.0059	±	0.0009	0.0097	±	0.0016
Pb	23.18	± 3.735	0.0080	±	0.0013	0.0132	±	0.0022

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q701
Client ID: VRL5-T3-TSP
Site: VRL
Sample Date: 8/25/17
Filter Lot #: 9761551
Volume: 1771. ± 88.55 m³
Deposit Area: 406. cm²
Size Fraction: TSP

Analyte	µg/filter		percent			µg/m³		
Gravimetry								
Net Mass	192,600.	±500.				108.8	±	5.445
XRF								
Al	2074.	±174.3	1.077	±	0.0906	1.1712	±	0.1145
Cr	35.93	± 2.720	0.0187	±	0.0014	0.0203	±	0.0018
Mn	93.01	± 5.725	0.0483	±	0.0030	0.0525	±	0.0042
Fe	4017.	±208.4	2.086	±	0.1083	2.2684	±	0.1634
Ni	14.78	± 1.421	0.0077	±	0.0007	0.0083	±	0.0009
Cu	120.0	± 6.415	0.0623	±	0.0033	0.0677	±	0.0050
Zn	62.32	± 6.049	0.0324	±	0.0031	0.0352	±	0.0038
* Cd	0.0000	± 1.746	0.0000	±	0.0009	0.0000	±	0.0010
Sn	18.47	± 2.639	0.0096	±	0.0014	0.0104	±	0.0016
Pb	26.67	± 3.573	0.0138	±	0.0019	0.0151	±	0.0022

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q697
Client ID: VRL1-T2-TSP-FB
Site: VRL
Sample Date: 8/23/17
Filter Lot #: 9761551
Deposit Area: 406. cm²
Size Fraction: TSP

Analyte	µg/filter		percent		
Gravimetry					
Net Mass	1,000.	±500.			
XRF					
Al	525.8	±120.7	52.58	±	28.93
Cr	7.876	± 1.218	0.7876	±	0.4122
Mn	8.120	± 1.380	0.8120	±	0.4288
Fe	119.2	± 6.496	11.92	±	5.993
Ni	6.537	± 0.8526	0.6537	±	0.3378
Cu	14.78	± 2.720	1.478	±	0.7874
* Zn	1.543	± 2.111	0.1543	±	0.2248
* Cd	0.0000	± 1.705	0.0000	±	0.1705
Sn	17.90	± 2.558	1.790	±	0.9311
* Pb	7.146	± 3.004	0.7146	±	0.4668

* - XRF Concentration is less than three times the uncertainty

Client: G032 - Geocon Consultants
Report Number: 17-568

Lab ID: 17-Q704
Client ID: VRL3-T3-TSP-FB
Site: VRL
Sample Date: 8/25/17
Filter Lot #: 9761551
Deposit Area: 406. cm²
Size Fraction: TSP

Analyte	µg/filter		percent	
Gravimetry				
Net Mass	800.	±500.		
XRF				
Al	491.7	±119.7	61.46	± 41.22
Cr	8.973	± 1.259	1.122	± 0.7184
Mn	6.943	± 1.340	0.8678	± 0.5677
Fe	122.6	± 6.658	15.33	± 9.615
Ni	6.455	± 0.8932	0.8069	± 0.5165
Cu	15.87	± 3.004	1.984	± 1.296
* Zn	0.0000	± 2.111	0.0000	± 0.2639
* Cd	0.0000	± 1.705	0.0000	± 0.2132
Sn	18.19	± 2.598	2.274	± 1.458
* Pb	4.953	± 3.045	0.6192	± 0.5428

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q703
Client ID: VRL-TB-TSP
Site: VRL
Sample Date: 8/22/17
Filter Lot #: 9761551
Deposit Area: 406. cm²
Size Fraction: TSP

Analyte	µg/filter		percent	
Gravimetry				
Net Mass	1,400.	±500.		
XRF				
Al	561.1	±120.7	40.08	± 16.71
Cr	10.07	± 1.299	0.7192	± 0.2731
Mn	8.282	± 1.340	0.5916	± 0.2319
Fe	123.1	± 6.699	8.790	± 3.176
Ni	8.039	± 0.8932	0.5742	± 0.2148
Cu	15.59	± 2.842	1.114	± 0.4465
* Zn	2.842	± 2.233	0.2030	± 0.1752
* Cd	0.0000	± 1.705	0.0000	± 0.1218
* Sn	6.861	± 2.477	0.4901	± 0.2489
* Pb	0.0000	± 3.004	0.0000	± 0.2146

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q689
Client ID: Lab Blank
Filter Lot #: 9761551
Deposit Area: 406. cm²

Analyte	µg/filter		percent	
Gravimetry				
Net Mass	600.	±500.		
XRF				
Al	499.8	±120.0	83.30	± 72.24
Cr	9.379	± 1.299	1.563	± 1.320
Mn	5.522	± 1.299	0.9203	± 0.7969
Fe	122.1	± 6.618	20.35	± 16.99
Ni	7.105	± 0.8932	1.184	± 0.9980
Cu	14.09	± 2.883	2.348	± 2.015
* Zn	0.8120	± 2.192	0.1353	± 0.3824
* Cd	0.0000	± 1.665	0.0000	± 0.2774
Sn	15.87	± 2.517	2.646	± 2.244
* Pb	1.015	± 2.964	0.1692	± 0.5137

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-Q700
Client ID: Lab Blank
Filter Lot #: 9761551
Deposit Area: 406. cm²

Analyte	µg/filter		percent	
Gravimetry				
Net Mass	1,200.	±500.		
XRF				
Al	372.7	±118.7	31.06	± 16.29
Cr	11.73	± 1.340	0.9778	± 0.4224
Mn	8.364	± 1.340	0.6970	± 0.3111
Fe	121.2	± 6.577	10.10	± 4.244
Ni	7.389	± 0.8526	0.6158	± 0.2662
Cu	14.94	± 2.842	1.245	± 0.5703
* Zn	1.218	± 2.111	0.1015	± 0.1809
* Cd	0.0000	± 1.665	0.0000	± 0.1387
Sn	15.14	± 2.477	1.262	± 0.5649
* Pb	3.492	± 2.964	0.2910	± 0.2751

* - XRF Concentration is less than three times the uncertainty

Geocon Consultants

Gravimetric Data - Report # 17-568

Lab ID	Filter ID	Client ID	Sample Date	Tare Wt.(mg)	Tare Date	Tare Temp (°C)	Tare Hum.	Gross Wt.(mg)	Gross Date	Gross Temp (°C)	Gross Hum.	Net Wt.(µg)	Volume (m^3)	Concentration (µg/m^3)	Comments
17-T2517	220424903	VRL1-T1-PM2.5	8/22/17	380.250	8/9/17	21.9	36	380.558	9/1/17	21.9	35	308	24	12.8	
17-T2525	220424914	VRL2-T1-PM2.5	8/22/17	386.427	8/9/17	21.9	36	386.749	9/1/17	21.9	35	322	24	13.4	Loose deposit.
17-T2519	220424905	VRL3-T1-PM2.5	8/22/17	378.223	8/9/17	21.9	36	378.621	9/1/17	21.9	35	398	24	16.6	
17-T2523	220424912	VRL5-T1-PM2.5	8/22/17	386.636	8/9/17	21.9	36	386.974	9/1/17	21.9	35	338	24	14.1	
17-T2515	220424900	VRL1-T2-PM2.5	8/23/17	390.431	8/9/17	21.9	36	390.822	9/1/17	21.9	35	391	24	16.3	
17-T2513	220424898	VRL2-T2-PM2.5	8/23/17	384.004	8/9/17	21.9	36	384.406	9/1/17	21.9	35	402	24	16.8	
17-T2511	220424896	VRL3-T2-PM2.5	8/23/17	389.343	8/9/17	21.9	36	389.763	9/1/17	21.9	35	420	24	17.5	
17-T2554	220424960	VRL1-T3-PM2.5	8/25/17	393.142	8/9/17	21.9	36	393.322	9/1/17	21.9	35	180	24	7.50	
17-T2547	220424952	VRL2-T3-PM2.5	8/25/17	389.619	8/9/17	21.9	36	389.875	9/1/17	21.9	35	256	24	10.7	Loose deposit.
17-T2551	220424957	VRL3-T3-PM2.5	8/25/17	393.159	8/9/17	21.9	36	393.433	9/1/17	21.9	35	274	24	11.4	Loose deposit. Non-uniform deposit.
17-T2549	220424954	VRL5-T3-PM2.5	8/25/17	390.562	8/9/17	21.9	36	390.812	9/1/17	21.9	35	250	24	10.4	Portion of filter stuck to screen.
17-T2543	220424945	VRL1-T2-PM2.5-FB	8/23/17	380.348	8/9/17	21.9	36	380.348	9/1/17	21.9	35	0			
17-T2545	220424949	VRL3-T3-PM2.5-FB	8/25/17	390.374	8/9/17	21.9	36	390.373	9/1/17	21.9	35	-1			Dent.
17-T2556	220424964	VRL-TB-PM2.5	8/22/17	390.581	8/9/17	21.9	36	390.557	9/1/17	21.9	35	-24			Dent.
17-T2518	220424904	VRL1-T1-PM10	8/22/17	383.966	8/9/17	21.9	36	384.505	9/1/17	21.9	35	539	24	22.5	Loose deposit.
17-T2524	220424913	VRL2-T1-PM10	8/22/17	390.920	8/9/17	21.9	36	391.750	9/1/17	21.9	35	830	24	34.6	Loose deposit.
17-T2520	220424906	VRL3-T1-PM10	8/22/17	386.499	8/9/17	21.9	36	388.599	9/1/17	21.9	35	2100	24	87.5	Loose deposit.
17-T2522	220424908	VRL5-T1-PM10	8/22/17	390.053	8/9/17	21.9	36	390.880	9/1/17	21.9	35	827	24	34.5	
17-T2516	220424902	VRL1-T2-PM10	8/23/17	390.741	8/9/17	21.9	36	391.426	9/1/17	21.9	35	685	24	28.5	Loose deposit. Non-uniform deposit.
17-T2514	220424899	VRL2-T2-PM10	8/23/17	382.675	8/9/17	21.9	36	383.558	9/1/17	21.9	35	883	24	36.8	
17-T2512	220424897	VRL3-T2-PM10	8/23/17	389.002	8/9/17	21.9	36	390.592	9/1/17	21.9	35	1590	24	66.3	
17-T2555	220424963	VRL1-T3-PM10	8/25/17	390.170	8/9/17	21.9	36	390.714	9/1/17	21.9	35	544	24	22.7	Dent.
17-T2548	220424953	VRL2-T3-PM10	8/25/17	390.223	8/9/17	21.9	36	391.409	9/1/17	21.9	35	1186	24	49.4	
17-T2552	220424958	VRL3-T3-PM10	8/25/17	388.041	8/9/17	21.9	36	389.779	9/1/17	21.9	35	1738	24	72.4	
17-T2550	220424956	VRL5-T3-PM10	8/25/17	389.331	8/9/17	21.9	36	390.458	9/1/17	21.9	35	1127	24	47.0	Loose deposit.
17-T2544	220424947	VRL1-T2-PM10-FB	8/23/17	390.301	8/9/17	21.9	36	390.296	9/1/17	21.9	35	-5			
17-T2546	220424950	VRL3-T3-PM10-FB	8/25/17	388.212	8/9/17	21.9	36	388.216	9/1/17	21.9	35	4			
17-T2557	220424965	VRL-TB-PM10	8/22/17	385.124	8/9/17	21.9	36	385.102	9/1/17	21.9	35	-22			
17-T2510	220424895	Lab Blank		382.741	8/9/17	21.9	36	382.732	9/1/17	21.9	35	-9			
17-T2521	220424907	Lab Blank		383.898	8/9/17	21.9	36	383.900	9/1/17	21.9	35	2			
17-T2541	220424943	Lab Blank		384.458	8/9/17	21.9	36	384.447	9/1/17	21.9	35	-11			
17-T2553	220424959	Lab Blank		387.685	8/9/17	21.9	36	387.678	9/1/17	21.9	35	-7			

Lab ID: 17-T2517
Client ID: VRL1-T1-PM2.5
Filter ID: 220424903
Site: VRL
Sample Date: 8/22/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM2.5

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	308.	±	10.				12.83	±	0.7651
XRF									
Al	0.5639	±	0.0972	0.1831	±	0.0321	0.0235	±	0.0042
* Cr	0.0124	±	0.0147	0.0040	±	0.0048	0.0005	±	0.0006
* Mn	0.0170	±	0.0136	0.0055	±	0.0044	0.0007	±	0.0006
Fe	1.101	±	0.0565	0.3573	±	0.0217	0.0459	±	0.0033
* Ni	0.0023	±	0.0068	0.0007	±	0.0022	0.0001	±	0.0003
Cu	0.0294	±	0.0079	0.0095	±	0.0026	0.0012	±	0.0003
Zn	0.0836	±	0.0068	0.0271	±	0.0024	0.0035	±	0.0003
* Cd	0.0294	±	0.0328	0.0095	±	0.0106	0.0012	±	0.0014
* Sn	0.0000	±	0.0418	0.0000	±	0.0136	0.0000	±	0.0017
* Pb	0.0316	±	0.0113	0.0103	±	0.0037	0.0013	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2525
Client ID: VRL2-T1-PM2.5
Filter ID: 220424914
Site: VRL
Sample Date: 8/22/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM2.5
Comments: Loose deposit.

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	322.	±	10.				13.42	±	0.7897
XRF									
Al	1.355	±	0.1232	0.4208	±	0.0404	0.0565	±	0.0059
* Cr	0.0181	±	0.0147	0.0056	±	0.0046	0.0008	±	0.0006
* Mn	0.0396	±	0.0136	0.0123	±	0.0042	0.0016	±	0.0006
Fe	1.980	±	0.0994	0.6148	±	0.0363	0.0825	±	0.0058
* Ni	0.0045	±	0.0068	0.0014	±	0.0021	0.0002	±	0.0003
Cu	0.0508	±	0.0090	0.0158	±	0.0028	0.0021	±	0.0004
Zn	0.1220	±	0.0090	0.0379	±	0.0030	0.0051	±	0.0005
* Cd	0.0000	±	0.0328	0.0000	±	0.0102	0.0000	±	0.0014
* Sn	0.0249	±	0.0418	0.0077	±	0.0130	0.0010	±	0.0017
Pb	0.0463	±	0.0113	0.0144	±	0.0035	0.0019	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2519
Client ID: VRL3-T1-PM2.5
Filter ID: 220424905
Site: VRL
Sample Date: 8/22/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM2.5

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	398.	±	10.				16.58	±	0.9280
XRF									
Al	3.267	±	0.2102	0.8208	±	0.0567	0.1361	±	0.0111
* Cr	0.0000	±	0.0147	0.0000	±	0.0037	0.0000	±	0.0006
Mn	0.0825	±	0.0136	0.0207	±	0.0034	0.0034	±	0.0006
Fe	3.834	±	0.1921	0.9633	±	0.0540	0.1598	±	0.0113
* Ni	0.0124	±	0.0068	0.0031	±	0.0017	0.0005	±	0.0003
Cu	0.0418	±	0.0090	0.0105	±	0.0023	0.0017	±	0.0004
Zn	0.1503	±	0.0090	0.0378	±	0.0025	0.0063	±	0.0005
* Cd	0.0734	±	0.0328	0.0185	±	0.0082	0.0031	±	0.0014
* Sn	0.0000	±	0.0418	0.0000	±	0.0105	0.0000	±	0.0017
Pb	0.0384	±	0.0113	0.0097	±	0.0028	0.0016	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2523
Client ID: VRL5-T1-PM2.5
Filter ID: 220424912
Site: VRL
Sample Date: 8/22/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM2.5

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	338.	±	10.				14.08	±	0.8182
XRF									
Al	1.068	±	0.1107	0.3159	±	0.0341	0.0445	±	0.0051
* Cr	0.0079	±	0.0147	0.0023	±	0.0043	0.0003	±	0.0006
* Mn	0.0136	±	0.0136	0.0040	±	0.0040	0.0006	±	0.0006
Fe	1.909	±	0.0960	0.5647	±	0.0330	0.0795	±	0.0056
* Ni	0.0090	±	0.0068	0.0027	±	0.0020	0.0004	±	0.0003
Cu	0.0475	±	0.0090	0.0140	±	0.0027	0.0020	±	0.0004
Zn	0.1175	±	0.0079	0.0348	±	0.0026	0.0049	±	0.0004
* Cd	0.0000	±	0.0328	0.0000	±	0.0097	0.0000	±	0.0014
* Sn	0.0000	±	0.0418	0.0000	±	0.0124	0.0000	±	0.0017
Pb	0.0565	±	0.0090	0.0167	±	0.0027	0.0024	±	0.0004

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2515
Client ID: VRL1-T2-PM2.5
Filter ID: 220424900
Site: VRL
Sample Date: 8/23/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM2.5

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	391.	±	10.				16.29	±	0.9150
XRF									
Al	0.6870	±	0.0994	0.1757	±	0.0258	0.0286	±	0.0044
* Cr	0.0000	±	0.0147	0.0000	±	0.0038	0.0000	±	0.0006
* Mn	0.0158	±	0.0136	0.0040	±	0.0035	0.0007	±	0.0006
Fe	1.286	±	0.0655	0.3289	±	0.0188	0.0536	±	0.0038
* Ni	0.0034	±	0.0068	0.0009	±	0.0017	0.0001	±	0.0003
Cu	0.0441	±	0.0090	0.0113	±	0.0023	0.0018	±	0.0004
Zn	0.0870	±	0.0079	0.0223	±	0.0021	0.0036	±	0.0004
* Cd	0.0294	±	0.0328	0.0075	±	0.0084	0.0012	±	0.0014
* Sn	0.0000	±	0.0418	0.0000	±	0.0107	0.0000	±	0.0017
Pb	0.0373	±	0.0090	0.0095	±	0.0023	0.0016	±	0.0004

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2513
Client ID: VRL2-T2-PM2.5
Filter ID: 220424898
Site: VRL
Sample Date: 8/23/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM2.5

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	402.	±	10.				16.75	±	0.9354
XRF									
Al	1.098	±	0.1130	0.2732	±	0.0289	0.0458	±	0.0052
* Cr	0.0203	±	0.0147	0.0051	±	0.0037	0.0008	±	0.0006
* Mn	0.0045	±	0.0136	0.0011	±	0.0034	0.0002	±	0.0006
Fe	1.726	±	0.0870	0.4292	±	0.0241	0.0719	±	0.0051
* Ni	0.0000	±	0.0068	0.0000	±	0.0017	0.0000	±	0.0003
Cu	0.0554	±	0.0090	0.0138	±	0.0023	0.0023	±	0.0004
Zn	0.1164	±	0.0079	0.0290	±	0.0021	0.0048	±	0.0004
* Cd	0.0384	±	0.0249	0.0096	±	0.0062	0.0016	±	0.0010
* Sn	0.1153	±	0.0418	0.0287	±	0.0104	0.0048	±	0.0018
* Pb	0.0181	±	0.0113	0.0045	±	0.0028	0.0008	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2511
Client ID: VRL3-T2-PM2.5
Filter ID: 220424896
Site: VRL
Sample Date: 8/23/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM2.5

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	420.	±	10.				17.50	±	0.9691
XRF									
Al	2.207	±	0.1571	0.5254	±	0.0394	0.0920	±	0.0080
* Cr	0.0079	±	0.0147	0.0019	±	0.0035	0.0003	±	0.0006
Mn	0.0655	±	0.0136	0.0156	±	0.0032	0.0027	±	0.0006
Fe	2.713	±	0.1356	0.6460	±	0.0358	0.1130	±	0.0080
* Ni	0.0079	±	0.0068	0.0019	±	0.0016	0.0003	±	0.0003
Cu	0.0508	±	0.0090	0.0121	±	0.0022	0.0021	±	0.0004
Zn	0.1175	±	0.0079	0.0280	±	0.0020	0.0049	±	0.0004
* Cd	0.0689	±	0.0328	0.0164	±	0.0078	0.0029	±	0.0014
Sn	0.1367	±	0.0441	0.0326	±	0.0105	0.0057	±	0.0019
* Pb	0.0282	±	0.0113	0.0067	±	0.0027	0.0012	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2554
Client ID: VRL1-T3-PM2.5
Filter ID: 220424960
Site: VRL
Sample Date: 8/25/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM2.5

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	180.	±	10.				7.500	±	0.5606
XRF									
Al	0.4983	±	0.0904	0.2768	±	0.0525	0.0208	±	0.0039
* Cr	0.0136	±	0.0147	0.0075	±	0.0082	0.0006	±	0.0006
* Mn	0.0294	±	0.0136	0.0163	±	0.0076	0.0012	±	0.0006
Fe	0.8758	±	0.0452	0.4865	±	0.0369	0.0365	±	0.0026
* Ni	0.0000	±	0.0068	0.0000	±	0.0038	0.0000	±	0.0003
Cu	0.0441	±	0.0090	0.0245	±	0.0052	0.0018	±	0.0004
Zn	0.0271	±	0.0056	0.0151	±	0.0032	0.0011	±	0.0002
* Cd	0.0000	±	0.0328	0.0000	±	0.0182	0.0000	±	0.0014
* Sn	0.0000	±	0.0418	0.0000	±	0.0232	0.0000	±	0.0017
* Pb	0.0170	±	0.0113	0.0094	±	0.0063	0.0007	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2547
Client ID: VRL2-T3-PM2.5
Filter ID: 220424952
Site: VRL
Sample Date: 8/25/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM2.5
Comments: Loose deposit.

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	256.	±	10.				10.67	±	0.6768
XRF									
Al	1.110	±	0.1119	0.4335	±	0.0469	0.0462	±	0.0052
* Cr	0.0000	±	0.0147	0.0000	±	0.0057	0.0000	±	0.0006
Mn	0.0407	±	0.0136	0.0159	±	0.0053	0.0017	±	0.0006
Fe	1.606	±	0.0814	0.6272	±	0.0401	0.0669	±	0.0048
* Ni	0.0045	±	0.0068	0.0018	±	0.0026	0.0002	±	0.0003
Cu	0.0429	±	0.0090	0.0168	±	0.0036	0.0018	±	0.0004
Zn	0.0565	±	0.0068	0.0221	±	0.0028	0.0024	±	0.0003
* Cd	0.0000	±	0.0328	0.0000	±	0.0128	0.0000	±	0.0014
* Sn	0.0000	±	0.0418	0.0000	±	0.0163	0.0000	±	0.0017
* Pb	0.0249	±	0.0113	0.0097	±	0.0044	0.0010	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2551
Client ID: VRL3-T3-PM2.5
Filter ID: 220424957
Site: VRL
Sample Date: 8/25/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM2.5
Comments: Loose deposit. Non-uniform deposit.

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	274.	±	10.				11.42	±	0.7067
XRF									
Al	1.800	±	0.1401	0.6570	±	0.0565	0.0750	±	0.0069
* Cr	0.0034	±	0.0147	0.0012	±	0.0054	0.0001	±	0.0006
Mn	0.0497	±	0.0136	0.0181	±	0.0050	0.0021	±	0.0006
Fe	2.078	±	0.1051	0.7584	±	0.0473	0.0866	±	0.0062
* Ni	0.0000	±	0.0068	0.0000	±	0.0025	0.0000	±	0.0003
Cu	0.0282	±	0.0079	0.0103	±	0.0029	0.0012	±	0.0003
Zn	0.0678	±	0.0068	0.0247	±	0.0026	0.0028	±	0.0003
* Cd	0.0000	±	0.0328	0.0000	±	0.0120	0.0000	±	0.0014
* Sn	0.0520	±	0.0429	0.0190	±	0.0157	0.0022	±	0.0018
* Pb	0.0215	±	0.0113	0.0078	±	0.0041	0.0009	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2549
Client ID: VRL5-T3-PM2.5
Filter ID: 220424954
Site: VRL
Sample Date: 8/25/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM2.5
Comments: Portion of filter stuck to screen.

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	250.	±	10.				10.42	±	0.6670
XRF									
Al	1.238	±	0.1153	0.4954	±	0.0502	0.0516	±	0.0055
* Cr	0.0000	±	0.0147	0.0000	±	0.0059	0.0000	±	0.0006
Mn	0.0452	±	0.0136	0.0181	±	0.0055	0.0019	±	0.0006
Fe	1.598	±	0.0802	0.6391	±	0.0410	0.0666	±	0.0047
* Ni	0.0034	±	0.0068	0.0014	±	0.0027	0.0001	±	0.0003
Cu	0.0441	±	0.0090	0.0176	±	0.0037	0.0018	±	0.0004
Zn	0.0644	±	0.0068	0.0258	±	0.0029	0.0027	±	0.0003
* Cd	0.0622	±	0.0328	0.0249	±	0.0131	0.0026	±	0.0014
* Sn	0.0418	±	0.0418	0.0167	±	0.0167	0.0017	±	0.0017
* Pb	0.0000	±	0.0113	0.0000	±	0.0045	0.0000	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2543
Client ID: VRL1-T2-PM2.5-FB
Filter ID: 220424945
Site: VRL
Sample Date: 8/23/17
Filter Lot #: MTL019
Deposit Area: 11.3 cm²
Size Fraction: PM2.5

Analyte	µg/filter		
Gravimetry			
Net Mass	0.	±	10.
XRF			
* Al	0.0000	±	0.0689
* Cr	0.0000	±	0.0147
* Mn	0.0000	±	0.0136
* Fe	0.0260	±	0.0124
* Ni	0.0000	±	0.0056
* Cu	0.0000	±	0.0079
* Zn	0.0000	±	0.0056
* Cd	0.0000	±	0.0237
* Sn	0.0000	±	0.0418
* Pb	0.0000	±	0.0079

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2545
Client ID: VRL3-T3-PM2.5-FB
Filter ID: 220424949
Site: VRL
Sample Date: 8/25/17
Filter Lot #: MTL019
Deposit Area: 11.3 cm²
Size Fraction: PM2.5
Comments: Dent.

Analyte	µg/filter
Gravimetry	
Net Mass	-1. ± 10.
XRF	
* Al	0.0000 ± 0.0734
* Cr	0.0000 ± 0.0147
* Mn	0.0226 ± 0.0136
* Fe	0.0215 ± 0.0113
* Ni	0.0000 ± 0.0068
* Cu	0.0056 ± 0.0079
* Zn	0.0000 ± 0.0056
* Cd	0.0000 ± 0.0328
* Sn	0.0418 ± 0.0418
* Pb	0.0000 ± 0.0079

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2556
Client ID: VRL-TB-PM2.5
Filter ID: 220424964
Site: VRL
Sample Date: 8/22/17
Filter Lot #: MTL019
Deposit Area: 11.3 cm²
Size Fraction: PM2.5
Comments: Dent.

Analyte	µg/filter
Gravimetry	
Net Mass	-24. ± 10.
XRF	
* Al	0.0000 ± 0.0734
* Cr	0.0000 ± 0.0147
* Mn	0.0090 ± 0.0136
* Fe	0.0000 ± 0.0113
* Ni	0.0000 ± 0.0068
* Cu	0.0023 ± 0.0079
* Zn	0.0011 ± 0.0056
* Cd	0.0814 ± 0.0328
* Sn	0.0000 ± 0.0418
* Pb	0.0056 ± 0.0090

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2518
Client ID: VRL1-T1-PM10
Filter ID: 220424904
Site: VRL
Sample Date: 8/22/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM10
Comments: Loose deposit.

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	539.	±	10.				22.46	±	1.198
XRF									
Al	6.632	±	0.3865	1.230	±	0.0752	0.2763	±	0.0212
* Cr	0.0384	±	0.0147	0.0071	±	0.0027	0.0016	±	0.0006
Mn	0.1729	±	0.0158	0.0321	±	0.0030	0.0072	±	0.0008
Fe	8.518	±	0.4260	1.580	±	0.0843	0.3549	±	0.0251
Ni	0.0282	±	0.0068	0.0052	±	0.0013	0.0012	±	0.0003
Cu	0.1311	±	0.0102	0.0243	±	0.0019	0.0055	±	0.0005
Zn	0.2316	±	0.0124	0.0430	±	0.0024	0.0097	±	0.0007
* Cd	0.0000	±	0.0328	0.0000	±	0.0061	0.0000	±	0.0014
* Sn	0.0000	±	0.0418	0.0000	±	0.0078	0.0000	±	0.0017
Pb	0.0429	±	0.0113	0.0080	±	0.0021	0.0018	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2524
Client ID: VRL2-T1-PM10
Filter ID: 220424913
Site: VRL
Sample Date: 8/22/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM10
Comments: Loose deposit.

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	830.	±	10.				34.58	±	1.779
XRF									
Al	15.18	±	0.8882	1.828	±	0.1093	0.6323	±	0.0487
Cr	0.1006	±	0.0147	0.0121	±	0.0018	0.0042	±	0.0006
Mn	0.4204	±	0.0271	0.0506	±	0.0033	0.0175	±	0.0014
Fe	20.05	±	1.002	2.415	±	0.1242	0.8353	±	0.0591
Ni	0.0520	±	0.0068	0.0063	±	0.0008	0.0022	±	0.0003
Cu	0.1966	±	0.0124	0.0237	±	0.0015	0.0082	±	0.0007
Zn	0.3944	±	0.0203	0.0475	±	0.0025	0.0164	±	0.0012
* Cd	0.0000	±	0.0328	0.0000	±	0.0039	0.0000	±	0.0014
* Sn	0.0000	±	0.0418	0.0000	±	0.0050	0.0000	±	0.0017
Pb	0.0610	±	0.0113	0.0074	±	0.0014	0.0025	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Client: G032 - Geocon Consultants
Report Number: 17-568

Lab ID: 17-T2520
Client ID: VRL3-T1-PM10
Filter ID: 220424906
Site: VRL
Sample Date: 8/22/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM10
Comments: Loose deposit.

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	2,100.	±	10.				87.50	±	4.395
XRF									
Al	56.64	±	4.014	2.697	±	0.1916	2.3598	±	0.2047
Cr	0.2622	±	0.0215	0.0125	±	0.0010	0.0109	±	0.0010
Mn	1.081	±	0.0576	0.0515	±	0.0028	0.0451	±	0.0033
Fe	54.07	±	2.703	2.575	±	0.1293	2.2529	±	0.1593
Ni	0.1763	±	0.0113	0.0084	±	0.0005	0.0073	±	0.0006
Cu	0.3740	±	0.0203	0.0178	±	0.0010	0.0156	±	0.0012
Zn	1.099	±	0.0554	0.0524	±	0.0026	0.0458	±	0.0033
* Cd	0.0000	±	0.0328	0.0000	±	0.0016	0.0000	±	0.0014
* Sn	0.0249	±	0.0418	0.0012	±	0.0020	0.0010	±	0.0017
Pb	0.1627	±	0.0136	0.0077	±	0.0006	0.0068	±	0.0007

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2522
Client ID: VRL5-T1-PM10
Filter ID: 220424908
Site: VRL
Sample Date: 8/22/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM10

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	827.	±	10.				34.46	±	1.773
XRF									
Al	15.41	±	0.9017	1.864	±	0.1113	0.6422	±	0.0494
Cr	0.0554	±	0.0147	0.0067	±	0.0018	0.0023	±	0.0006
Mn	0.4192	±	0.0271	0.0507	±	0.0033	0.0175	±	0.0014
Fe	20.23	±	1.011	2.446	±	0.1258	0.8428	±	0.0596
Ni	0.0441	±	0.0068	0.0053	±	0.0008	0.0018	±	0.0003
Cu	0.1876	±	0.0124	0.0227	±	0.0015	0.0078	±	0.0006
Zn	0.4034	±	0.0215	0.0488	±	0.0027	0.0168	±	0.0012
* Cd	0.0000	±	0.0328	0.0000	±	0.0040	0.0000	±	0.0014
* Sn	0.0249	±	0.0418	0.0030	±	0.0051	0.0010	±	0.0017
Pb	0.0836	±	0.0113	0.0101	±	0.0014	0.0035	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2516
Client ID: VRL1-T2-PM10
Filter ID: 220424902
Site: VRL
Sample Date: 8/23/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM10
Comments: Loose deposit. Non-uniform deposit.

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	685.	±	10.				28.54	±	1.487
XRF									
Al	9.756	±	0.5616	1.424	±	0.0846	0.4065	±	0.0310
* Cr	0.0328	±	0.0147	0.0048	±	0.0021	0.0014	±	0.0006
Mn	0.2746	±	0.0192	0.0401	±	0.0029	0.0114	±	0.0010
Fe	12.31	±	0.6158	1.796	±	0.0937	0.5127	±	0.0363
Ni	0.0328	±	0.0068	0.0048	±	0.0010	0.0014	±	0.0003
Cu	0.1288	±	0.0102	0.0188	±	0.0015	0.0054	±	0.0005
Zn	0.2452	±	0.0136	0.0358	±	0.0020	0.0102	±	0.0008
* Cd	0.0000	±	0.0328	0.0000	±	0.0048	0.0000	±	0.0014
* Sn	0.0000	±	0.0418	0.0000	±	0.0061	0.0000	±	0.0017
Pb	0.0520	±	0.0113	0.0076	±	0.0017	0.0022	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2514
Client ID: VRL2-T2-PM10
Filter ID: 220424899
Site: VRL
Sample Date: 8/23/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM10

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	883.	±	10.				36.79	±	1.886
XRF									
Al	14.55	±	0.8509	1.648	±	0.0982	0.6064	±	0.0467
Cr	0.0588	±	0.0147	0.0067	±	0.0017	0.0024	±	0.0006
Mn	0.3446	±	0.0237	0.0390	±	0.0027	0.0144	±	0.0012
Fe	17.68	±	0.8848	2.003	±	0.1027	0.7369	±	0.0521
Ni	0.0282	±	0.0068	0.0032	±	0.0008	0.0012	±	0.0003
Cu	0.1785	±	0.0124	0.0202	±	0.0014	0.0074	±	0.0006
Zn	0.3560	±	0.0192	0.0403	±	0.0022	0.0148	±	0.0011
* Cd	0.0429	±	0.0328	0.0049	±	0.0037	0.0018	±	0.0014
* Sn	0.0249	±	0.0418	0.0028	±	0.0047	0.0010	±	0.0017
Pb	0.1051	±	0.0102	0.0119	±	0.0012	0.0044	±	0.0005

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2512
Client ID: VRL3-T2-PM10
Filter ID: 220424897
Site: VRL
Sample Date: 8/23/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM10

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	1,590.	±	10.				66.25	±	3.339
XRF									
Al	39.82	±	2.561	2.504	±	0.1618	1.6592	±	0.1352
Cr	0.1706	±	0.0192	0.0107	±	0.0012	0.0071	±	0.0009
Mn	0.8735	±	0.0463	0.0549	±	0.0029	0.0364	±	0.0027
Fe	46.39	±	2.319	2.917	±	0.1470	1.9328	±	0.1367
Ni	0.1085	±	0.0079	0.0068	±	0.0005	0.0045	±	0.0004
Cu	0.2712	±	0.0158	0.0171	±	0.0010	0.0113	±	0.0009
Zn	0.7096	±	0.0362	0.0446	±	0.0023	0.0296	±	0.0021
* Cd	0.0000	±	0.0328	0.0000	±	0.0021	0.0000	±	0.0014
Sn	0.1446	±	0.0463	0.0091	±	0.0029	0.0060	±	0.0020
Pb	0.1503	±	0.0136	0.0095	±	0.0009	0.0063	±	0.0006

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2555
Client ID: VRL1-T3-PM10
Filter ID: 220424963
Site: VRL
Sample Date: 8/25/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM10
Comments: Dent.

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	544.	±	10.				22.67	±	1.208
XRF									
Al	8.576	±	0.4983	1.576	±	0.0961	0.3573	±	0.0274
* Cr	0.0203	±	0.0147	0.0037	±	0.0027	0.0008	±	0.0006
Mn	0.1435	±	0.0147	0.0264	±	0.0027	0.0060	±	0.0007
Fe	10.04	±	0.5017	1.845	±	0.0983	0.4181	±	0.0296
* Ni	0.0023	±	0.0068	0.0004	±	0.0012	0.0001	±	0.0003
Cu	0.1333	±	0.0102	0.0245	±	0.0019	0.0056	±	0.0005
Zn	0.1164	±	0.0079	0.0214	±	0.0015	0.0048	±	0.0004
* Cd	0.0000	±	0.0328	0.0000	±	0.0060	0.0000	±	0.0014
Sn	0.2283	±	0.0429	0.0420	±	0.0079	0.0095	±	0.0019
Pb	0.0960	±	0.0124	0.0177	±	0.0023	0.0040	±	0.0006

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2548
Client ID: VRL2-T3-PM10
Filter ID: 220424953
Site: VRL
Sample Date: 8/25/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM10

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	1,186.	±	10.				49.42	±	2.506
XRF									
Al	23.07	±	1.440	1.946	±	0.1225	0.9614	±	0.0769
Cr	0.0949	±	0.0181	0.0080	±	0.0015	0.0040	±	0.0008
Mn	0.6057	±	0.0350	0.0511	±	0.0030	0.0252	±	0.0019
Fe	29.56	±	1.478	2.492	±	0.1264	1.2317	±	0.0871
Ni	0.0746	±	0.0079	0.0063	±	0.0007	0.0031	±	0.0004
Cu	0.1944	±	0.0124	0.0164	±	0.0011	0.0081	±	0.0007
Zn	0.5514	±	0.0282	0.0465	±	0.0024	0.0230	±	0.0016
* Cd	0.0011	±	0.0328	0.0001	±	0.0028	0.0000	±	0.0014
* Sn	0.0136	±	0.0418	0.0011	±	0.0035	0.0006	±	0.0017
Pb	0.2192	±	0.0158	0.0185	±	0.0013	0.0091	±	0.0008

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2552
Client ID: VRL3-T3-PM10
Filter ID: 220424958
Site: VRL
Sample Date: 8/25/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM10

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	1,738.	±	10.				72.42	±	3.645
XRF									
Al	47.80	±	3.223	2.750	±	0.1861	1.9916	±	0.1672
Cr	0.2113	±	0.0203	0.0122	±	0.0012	0.0088	±	0.0010
Mn	0.8136	±	0.0452	0.0468	±	0.0026	0.0339	±	0.0025
Fe	48.08	±	2.404	2.766	±	0.1392	2.0034	±	0.1416
Ni	0.1085	±	0.0079	0.0062	±	0.0005	0.0045	±	0.0004
Cu	0.2271	±	0.0136	0.0131	±	0.0008	0.0095	±	0.0007
Zn	0.7277	±	0.0373	0.0419	±	0.0022	0.0303	±	0.0022
* Cd	0.0000	±	0.0328	0.0000	±	0.0019	0.0000	±	0.0014
* Sn	0.0000	±	0.0418	0.0000	±	0.0024	0.0000	±	0.0017
Pb	0.2339	±	0.0158	0.0135	±	0.0009	0.0097	±	0.0008

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2550
Client ID: VRL5-T3-PM10
Filter ID: 220424956
Site: VRL
Sample Date: 8/25/17
Filter Lot #: MTL019
Volume: 24.00 ± 1.200 m³
Deposit Area: 11.3 cm²
Size Fraction: PM10
Comments: Loose deposit.

Analyte	µg/filter			percent			µg/m³		
Gravimetry									
Net Mass	1,127.	±	10.				46.96	±	2.385
XRF									
Al	21.56	±	1.331	1.913	±	0.1193	0.8984	±	0.0714
Cr	0.1220	±	0.0158	0.0108	±	0.0014	0.0051	±	0.0007
Mn	0.5232	±	0.0316	0.0464	±	0.0028	0.0218	±	0.0017
Fe	26.72	±	1.336	2.371	±	0.1204	1.1135	±	0.0787
Ni	0.0520	±	0.0068	0.0046	±	0.0006	0.0022	±	0.0003
Cu	0.1876	±	0.0124	0.0166	±	0.0011	0.0078	±	0.0006
Zn	0.5266	±	0.0271	0.0467	±	0.0024	0.0219	±	0.0016
* Cd	0.0000	±	0.0328	0.0000	±	0.0029	0.0000	±	0.0014
* Sn	0.0441	±	0.0418	0.0039	±	0.0037	0.0018	±	0.0017
Pb	0.1978	±	0.0147	0.0175	±	0.0013	0.0082	±	0.0007

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2544
Client ID: VRL1-T2-PM10-FB
Filter ID: 220424947
Site: VRL
Sample Date: 8/23/17
Filter Lot #: MTL019
Deposit Area: 11.3 cm²
Size Fraction: PM10

Analyte	µg/filter		
Gravimetry			
Net Mass	-5.	±	10.
XRF			
* Al	0.0000	±	0.0712
* Cr	0.0034	±	0.0147
* Mn	0.0000	±	0.0136
* Fe	0.0000	±	0.0113
* Ni	0.0034	±	0.0056
* Cu	0.0000	±	0.0079
* Zn	0.0000	±	0.0056
* Cd	0.0644	±	0.0328
* Sn	0.0565	±	0.0418
* Pb	0.0000	±	0.0113

* - XRF Concentration is less than three times the uncertainty

Client: G032 - Geocon Consultants
Report Number: 17-568

Lab ID: 17-T2546
Client ID: VRL3-T3-PM10-FB
Filter ID: 220424950
Site: VRL
Sample Date: 8/25/17
Filter Lot #: MTL019
Deposit Area: 11.3 cm²
Size Fraction: PM10

Analyte	µg/filter			percent		
Gravimetry						
Net Mass	4.	±	10.			
XRF						
* Al	0.0011	±	0.0723	0.0282	±	1.809
* Cr	0.0000	±	0.0147	0.0000	±	0.3672
* Mn	0.0090	±	0.0136	0.2260	±	0.6589
* Fe	0.0000	±	0.0113	0.0000	±	0.2825
* Ni	0.0000	±	0.0068	0.0000	±	0.1695
* Cu	0.0034	±	0.0079	0.0848	±	0.2898
* Zn	0.0000	±	0.0056	0.0000	±	0.1412
* Cd	0.0000	±	0.0328	0.0000	±	0.8192
* Sn	0.0475	±	0.0418	1.186	±	3.145
* Pb	0.0000	±	0.0079	0.0000	±	0.1978

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2557
Client ID: VRL-TB-PM10
Filter ID: 220424965
Site: VRL
Sample Date: 8/22/17
Filter Lot #: MTL019
Deposit Area: 11.3 cm²
Size Fraction: PM10

Analyte	µg/filter		
Gravimetry			
Net Mass	-22.	±	10.
XRF			
* Al	0.0000	±	0.0723
* Cr	0.0000	±	0.0147
* Mn	0.0045	±	0.0136
* Fe	0.0000	±	0.0113
* Ni	0.0011	±	0.0068
* Cu	0.0034	±	0.0079
* Zn	0.0000	±	0.0056
* Cd	0.0825	±	0.0328
Sn	0.1379	±	0.0418
* Pb	0.0000	±	0.0079

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2510
Client ID: Lab Blank
Filter ID: 220424895
Filter Lot #: MTL019
Deposit Area: 11.3 cm²

Analyte	µg/filter
Gravimetry	
Net Mass	-9. ± 10.
XRF	
* Al	0.0000 ± 0.0712
* Cr	0.0000 ± 0.0147
* Mn	0.0113 ± 0.0136
* Fe	0.0000 ± 0.0113
* Ni	0.0000 ± 0.0068
* Cu	0.0034 ± 0.0079
* Zn	0.0000 ± 0.0056
* Cd	0.0000 ± 0.0328
* Sn	0.0000 ± 0.0418
* Pb	0.0000 ± 0.0113

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2521
Client ID: Lab Blank
Filter ID: 220424907
Filter Lot #: MTL019
Deposit Area: 11.3 cm²

Analyte	µg/filter	percent
Gravimetry		
Net Mass	2. ± 10.	
XRF		
* Al	0.0000 ± 0.0701	0.0000 ± 3.503
* Cr	0.0023 ± 0.0147	0.1130 ± 0.9267
* Mn	0.0056 ± 0.0136	0.2825 ± 1.567
* Fe	0.0000 ± 0.0113	0.0000 ± 0.5650
* Ni	0.0034 ± 0.0068	0.1695 ± 0.9128
* Cu	0.0023 ± 0.0079	0.1130 ± 0.6897
* Zn	0.0000 ± 0.0056	0.0000 ± 0.2825
* Cd	0.0000 ± 0.0328	0.0000 ± 1.638
* Sn	0.0000 ± 0.0418	0.0000 ± 2.090
* Pb	0.0000 ± 0.0079	0.0000 ± 0.3955

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2541
Client ID: Lab Blank
Filter ID: 220424943
Filter Lot #: MTL019
Deposit Area: 11.3 cm²

Analyte	µg/filter
Gravimetry	
Net Mass	-11. ± 10.
XRF	
* Al	0.0000 ± 0.0701
* Cr	0.0000 ± 0.0147
* Mn	0.0090 ± 0.0136
* Fe	0.0000 ± 0.0113
* Ni	0.0000 ± 0.0068
* Cu	0.0011 ± 0.0079
* Zn	0.0000 ± 0.0056
* Cd	0.0407 ± 0.0237
* Sn	0.0701 ± 0.0418
* Pb	0.0079 ± 0.0090

* - XRF Concentration is less than three times the uncertainty

Lab ID: 17-T2553
Client ID: Lab Blank
Filter ID: 220424959
Filter Lot #: MTL019
Deposit Area: 11.3 cm²

Analyte	µg/filter
Gravimetry	
Net Mass	-7. ± 10.
XRF	
* Al	0.0000 ± 0.0723
* Cr	0.0011 ± 0.0147
* Mn	0.0000 ± 0.0136
* Fe	0.0090 ± 0.0113
* Ni	0.0000 ± 0.0068
* Cu	0.0068 ± 0.0079
* Zn	0.0000 ± 0.0056
* Cd	0.0000 ± 0.0328
* Sn	0.0667 ± 0.0429
* Pb	0.0000 ± 0.0079

* - XRF Concentration is less than three times the uncertainty

XRF Analytical Quality Assurance Report

Client: Geocon
Report: 17-568
Analysis Period: September 6 to 11, 2017
Number of Samples: 16

1. Precision Data

Micromatter Multi-elemental Quality Control Standard: QS285

QC Standard Results

Analyte	n	Counts per Second			c.v.	%E
		Calib.	Meas.	S.D.		
Ti(0)	2	275.15	282.63	4.24	1.50	2.72
Fe(1)	2	319.89	328.68	0.82	0.25	2.75
Se(2)	2	412.65	398.83	8.32	2.09	-3.35
Pb(2)	2	505.19	480.40	8.53	1.77	-4.91
Cd(3)	2	163.89	156.99	0.78	0.50	-4.21

2. Accuracy Data

NIST Standard Reference Materials: SRM 1832, SRM 1833

Analyte/ SRM	n	Certified Value(µg/cm²)	Measured Value (µg/cm²)			% Rec.
			High	Low	Average	
Al 1832	4	14.6 +/- .97	14.63	14.24	14.40 +/- 0.15	98.6
Si 1832	4	34.0 +/- 1.1	37.00	35.33	36.32 +/- 0.61	106.8
Si 1833	4	31.5 +/- 2.1	32.50	30.99	31.95 +/- 0.57	101.4
S 2708	4	2.46 +/- .25	2.27	2.19	2.24 +/- 0.03	90.8
K 2783	4	.530 +/- .052	0.54	0.54	0.54 +/- 0.00	101.9
Ca 2783	4	1.33 +/- 0.17	1.35	1.30	1.32 +/- 0.02	99.6
Ti 1833	4	12.1 +/- 1.79	12.65	12.20	12.46 +/- 0.17	103.0
V 1832	4	4.70 +/- .49	4.52	4.38	4.47 +/- 0.06	95.1
Mn 1832	4	4.54 +/- .49	4.91	4.86	4.89 +/- 0.02	107.7
Fe 1833	4	13.6 +/- .45	13.34	13.16	13.25 +/- 0.07	97.4
Cu 1832	4	2.43 +/- .16	2.65	2.63	2.64 +/- 0.01	108.7
Zn 2783	4	.180 +/- .013	0.19	0.18	0.19 +/- 0.00	103.3
Pb 1833	4	16.1 +/- .75	16.23	15.99	16.11 +/- 0.10	100.1

NIST: National Institute of Standards and Technology
% Rec: Percent Recovery = (Experimental/Given) x 100
n: Number of Observations
S.D.: Standard Deviation
c.v.: Coefficient of Variation = (S.D./Measured) x 100
% E: Percent Error = [(Measured-Calibrated)/Calibrated] x 100

XRF-772 REPLICATE REPORT

4.32

Original ID: 17-Q692

Replicate ID: RQ692

Filter Lot:

Deposit Mass: 268 µg

Deposit Area: 1.0 cm^2

Particle Size: T

Element	Original ug/cm2			Replicate ug/cm2			Difference ug/cm2			RPD		
Al	6.9479	+-	0.5157	6.4893	+-	0.4965	0.4586	+-	0.7158	+ 6.8	+-	10.7
Cr	0.1201	+-	0.0083	0.1180	+-	0.0082	0.0022	+-	0.0116	+ 1.8	+-	9.8
Mn	0.2691	+-	0.0163	0.2763	+-	0.0167	-0.0073	+-	0.0234	+ -2.7	+-	8.6
Fe	13.4600	+-	0.6980	13.7519	+-	0.7133	-0.2919	+-	0.9979	+ -2.1	+-	7.3
Ni	0.0561	+-	0.0045	0.0541	+-	0.0044	0.0019	+-	0.0063	+ 3.5	+-	11.4
Cu	0.1967	+-	0.0109	0.2035	+-	0.0113	-0.0068	+-	0.0157	+ -3.4	+-	7.8
Zn	0.2268	+-	0.0193	0.2351	+-	0.0129	-0.0083	+-	0.0232	+ -3.6	+-	10.0
Cd	0.0000	+-	0.0043	0.0000	+-	0.0043	0.0000	+-	0.0060			
Sn	0.0452	+-	0.0064	0.0357	+-	0.0064	0.0095	+-	0.0091	0 23.5	+-	22.4
Pb	0.0461	+-	0.0082	0.0502	+-	0.0084	-0.0042	+-	0.0118	+ -8.7	+-	24.4

RPD: Relative Percent Difference (X1-X2)/[(X1+X2)/2]*100. RPD is calculated when original value is greater than three times its uncertainty.

XRF-772 REPLICATE REPORT

3.95

Original ID: 17-Q699
Replicate ID: RQ699

Filter Lot:
Deposit Mass: 278 µg
Deposit Area: 1.0 cm^2
Particle Size: T

Element	Original ug/cm2			Replicate ug/cm2			Difference ug/cm2				RPD		
Al	4.5255	+-	0.4022	4.7891	+-	0.4145	-0.2635	+-	0.5776	+	-5.7	+-	12.4
Cr	0.0826	+-	0.0062	0.0814	+-	0.0062	0.0012	+-	0.0088	+	1.4	+-	10.8
Mn	0.1953	+-	0.0123	0.2002	+-	0.0126	-0.0049	+-	0.0176	+	-2.5	+-	8.9
Fe	8.8619	+-	0.4594	9.1648	+-	0.4752	-0.3029	+-	0.6609	+	-3.4	+-	7.3
Ni	0.0336	+-	0.0033	0.0357	+-	0.0034	-0.0021	+-	0.0048	+	-6.1	+-	13.8
Cu	0.4596	+-	0.0373	0.4673	+-	0.0246	-0.0077	+-	0.0447	+	-1.7	+-	9.6
Zn	0.1445	+-	0.0148	0.1551	+-	0.0150	-0.0106	+-	0.0211	+	-7.1	+-	14.1
Cd	0.0000	+-	0.0043	0.0065	+-	0.0043	-0.0065	+-	0.0061				
Sn	0.0467	+-	0.0065	0.0324	+-	0.0063	0.0143	+-	0.0090	0	36.0	+-	22.8
Pb	0.0703	+-	0.0089	0.0667	+-	0.0088	0.0036	+-	0.0125	+	5.2	+-	18.2

RPD: Relative Percent Difference (X1-X2)/[(X1+X2)/2]*100. RPD is calculated when original value is greater than three times its uncertainty.

CHESTER LabNet

Quant'X 1020 **XRF Analytical Quality Assurance Report**

Client:Geocon Consultants
Report: 17-568
Analysis Period: September 5 through September 11, 2017
Number of Samples: 32

1. Precision Data

Micromatter Multi-elemental Quality Control Standard: QS285

QC Standard Results

Analyte	n	micrograms per square centimeter			c.v.	%E
		Calib.	Meas.	S.D.		
Si	4	7.70	7.65	0.04	0.51	-0.76
Ti	4	10.61	10.56	0.03	0.31	-0.42
Fe	4	11.05	11.03	0.06	0.55	-0.17
Se	4	5.17	5.13	0.03	0.65	-0.75
Cd	4	6.59	6.56	0.09	1.37	-0.52
Pb	4	12.58	12.42	0.10	0.83	-1.25

2. Accuracy Data

NIST Standard Reference Materials: SRM 2783

Analyte/ SRM	n	Certified Value(µg/cm²)	Measured Value (µg/cm²)			% Rec.
			High	Low	Average	
Al 2783	4	2.3303	1.9500	1.8650	1.9135 +/- 0.0309	82.1
K 2783	4	0.5301	0.5016	0.4914	0.4966 +/- 0.0047	93.7
Ca 2783	4	1.3253	1.1721	1.1537	1.1637 +/- 0.0068	87.8
Ti 2783	4	0.1496	0.1468	0.1356	0.1430 +/- 0.0045	95.6
Fe 2783	4	2.6606	2.5815	2.5395	2.5565 +/- 0.0154	96.1
Cu 2783	4	0.0406	0.0379	0.0353	0.0366 +/- 0.0009	90.1
Zn 2783	4	0.1797	0.1766	0.1691	0.1733 +/- 0.0027	96.4
Pb 2783	4	0.0318	0.0351	0.0284	0.0319 +/- 0.0025	100.4

NIST: National Institute of Standards and Technology
% Rec: Percent Recovery = (Experimental/Given) x 100
n: Number of Observations
S.D.: Standard Deviation
c.v.: Coefficient of Variation = (S.D./Measured) x 100
% E: Percent Error = [(Measured-Calibrated)/Calibrated] x 100

QUANT'X 1020 REPLICATE REPORT

1.73

Original ID: 17T2520

Replicate ID: RT2520

Element	Original ug/cm2			Replicate ug/cm2			Difference ug/cm2				RPD		
Al	5.0124	+-	0.3552	5.0627	+-	0.3587	-0.0503	+-	0.5048	+	-1.0	+-	10.0
Cr	0.0232	+-	0.0019	0.0199	+-	0.0018	0.0033	+-	0.0027	0	15.3	+-	12.4
Mn	0.0957	+-	0.0051	0.0904	+-	0.0048	0.0053	+-	0.0070	+	5.7	+-	7.6
Fe	4.7848	+-	0.2392	4.8008	+-	0.2400	-0.0160	+-	0.3389	+	-0.3	+-	7.1
Ni	0.0156	+-	0.0010	0.0185	+-	0.0011	-0.0029	+-	0.0015	0	-16.9	+-	8.5
Cu	0.0331	+-	0.0018	0.0303	+-	0.0017	0.0028	+-	0.0025	0	8.8	+-	7.8
Zn	0.0973	+-	0.0049	0.0946	+-	0.0048	0.0027	+-	0.0068	+	2.8	+-	7.1
Cd	0.0000	+-	0.0029	0.0051	+-	0.0029	-0.0051	+-	0.0041				
Sn	0.0022	+-	0.0037	0.0000	+-	0.0037	0.0022	+-	0.0052				
Pb	0.0144	+-	0.0012	0.0167	+-	0.0013	-0.0023	+-	0.0018	0	-14.8	+-	11.3

RPD: Relative Percent Difference (X1-X2)/[(X1+X2)/2]*100. RPD is calculated when original value is greater than three times its uncertainty.

QUANT'X 1020 REPLICATE REPORT

1.27

Original ID: 17T2522

Replicate ID: RT2522

Element	Original ug/cm2			Replicate ug/cm2			Difference ug/cm2				RPD		
Al	1.3645	+-	0.0798	1.3257	+-	0.0775	0.0388	+-	0.1113	+	2.9	+-	8.3
Cr	0.0049	+-	0.0013	0.0080	+-	0.0013	-0.0031	+-	0.0018	0	-48.4	+-	28.6
Mn	0.0371	+-	0.0024	0.0306	+-	0.0021	0.0065	+-	0.0032	-	19.2	+-	9.5
Fe	1.7896	+-	0.0895	1.7718	+-	0.0886	0.0178	+-	0.1259	+	1.0	+-	7.1
Ni	0.0039	+-	0.0006	0.0052	+-	0.0006	-0.0013	+-	0.0009	0	-27.6	+-	19.2
Cu	0.0166	+-	0.0011	0.0157	+-	0.0011	0.0009	+-	0.0015	+	5.7	+-	9.6
Zn	0.0357	+-	0.0019	0.0363	+-	0.0019	-0.0006	+-	0.0026	+	-1.7	+-	7.3
Cd	0.0000	+-	0.0029	0.0000	+-	0.0029	0.0000	+-	0.0041				
Sn	0.0022	+-	0.0037	0.0000	+-	0.0037	0.0022	+-	0.0052				
Pb	0.0074	+-	0.0010	0.0054	+-	0.0010	0.0020	+-	0.0014	0	31.2	+-	22.5

RPD: Relative Percent Difference (X1-X2)/[(X1+X2)/2]*100. RPD is calculated when original value is greater than three times its uncertainty.

QUANT'X 1020 REPLICATE REPORT

1.69

Original ID: 17T2552

Replicate ID: RT2552

Element	Original ug/cm2			Replicate ug/cm2			Difference ug/cm2				RPD		
Al	4.2304	+-	0.2852	4.2128	+-	0.2846	0.0176	+-	0.4029	+	0.4	+-	9.5
Cr	0.0187	+-	0.0018	0.0196	+-	0.0018	-0.0009	+-	0.0026	+	-4.7	+-	13.5
Mn	0.0720	+-	0.0040	0.0751	+-	0.0041	-0.0031	+-	0.0058	+	-4.2	+-	7.8
Fe	4.2548	+-	0.2127	4.2408	+-	0.2120	0.0140	+-	0.3004	+	0.3	+-	7.1
Ni	0.0096	+-	0.0007	0.0111	+-	0.0008	-0.0015	+-	0.0011	0	-14.2	+-	10.6
Cu	0.0201	+-	0.0012	0.0219	+-	0.0013	-0.0017	+-	0.0018	+	-8.2	+-	8.6
Zn	0.0644	+-	0.0033	0.0653	+-	0.0033	-0.0009	+-	0.0046	+	-1.4	+-	7.2
Cd	0.0000	+-	0.0029	0.0001	+-	0.0029	-0.0001	+-	0.0041				
Sn	0.0000	+-	0.0037	0.0162	+-	0.0038	-0.0162	+-	0.0052				
Pb	0.0207	+-	0.0014	0.0150	+-	0.0012	0.0057	+-	0.0019	--	31.9	+-	10.5

RPD: Relative Percent Difference (X1-X2)/[(X1+X2)/2]*100. RPD is calculated when original value is greater than three times its uncertainty.

17-568

Company Name: Geocon Consultants, Inc.		
Contact: Josh Ewert	Phone: 916 852-9118	
E-Mail Address: ewert@geoconinc.com	Fax:	
Report Address: 3160 Gold Valley Drive #800		
City: Rancho Cordova	State: CA	Zip: 95742
Billing Address: Same		
City:	State:	Zip:
PO #:	Project:	

CHESTER LabNet
12242 SW Garden Place
Tigard, OR 97223
(503) 624-2183
Fax (503) 624-2653
cln@chesterlab.net

CHAIN-OF-CUSTODY RECORD

Turn Around Time
- [x] Standard
- [ ] Rush _____ Specify

LabNet ID	Field Sample ID	Site	Sample Date	Volume (m³)	Particle Size	TSP/metals	Remarks
	VRL1-T1-TSP	VRL	8/22/17	1,762	TSP	X	Serial # 17-Q693
	VRL2-T1-TSP	↓	↓	1,773	↓	↓	17-Q690
	VRL3-T1-TSP			1,760			17-Q692
	VRL5-T1-TSP		↓	1,771			17-Q691
	VRL1-T2-TSP		8/23/17	1,762			17-Q694
	VRL2-T2-TSP		↓	1,773			17-Q695
	VRL3-T2-TSP		↓	1,760			17-Q696
	VRL1-T3-TSP		8/28/17	1,762			17-Q698
	VRL2-T3-TSP		↓	1,773			17-Q699
	VRL3-T3-TSP		↓	1,760			17-Q702
	VRL5-T3-TSP		↓	1,771			17-Q701
	VRL1-T2-TR-FB	↓	8/23/17	—	↓	↓	17-Q697

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
8/25/17 16:00	Geocon Sample Storage 8/25/17 1600
Geocon Sample Storage 8/29/17 1700	FEDEX 8/29/17 1700

Notes: ONLY METALS ALUMINUM, CADMIUM, CHROMIUM, COPPER, IRON, LEAD, MANGANESE, NICKEL, TIN, AND ZINC.

Luke Bell 8/30/17 10:30

Received @ 1.1°C

Company Name	Geocon Consultants, Inc.
Contact	See Page 1
Phone	
E-Mail Address	
Fax	
Report Address	
City / State / Zip	
Billing Address	
City / State / Zip	
PO #	
Project	

CHESTER LabNet
12242 SW Garden Place
Tigard, OR 97223
(503) 624-2183
Fax (503) 624-2653
cln@chesterlab.net

CHAIN-OF-CUSTODY RECORD

Turn Around Time
- [x] Standard
- [ ] Rush _____ Specify

LabNet ID	Field Sample ID	Site	Sample Date	Volume (m³)	Particle Size	TSP/Metals	PM2.5/Metals	Remarks
	VRL3-T3-TSP-FB	VRL	8/25/17	—	TSP	X		Serial # 17-Q 704 -
	VRL-TB-TSP		8/22/17	—	↓	X		17-Q 703.
	VRL1-T1-PM2.5		8/22/17	24	PM2.5		X	Serial # 220424903 17-T2517
	VRL2-T1-PM2.5							17-T2525 220424914
	VRL3-T1-PM2.5							220424905 17-T2519
	VRL5-T1-PM2.5							17-T2523 220424912
	VRL1-T2-PM2.5		8/23/17					17-T2515 220424900
	VRL2-T2-PM2.5							17-T2513 220424898
	VRL3-T2-PM2.5							17-T2511 220424896
	VRL1-T3-PM2.5		8/25/17					17-T2554 220424960
	VRL2-T3-PM2.5							17-T2547 220424952
	VRL3-T3-PM2.5							17-T2551 220424957

Relinquished By: (Signature) Date/Time 8/25/17 16:00	Received By: (Signature) Date/Time Geocon Sample Storage 8/25/17 1600
Relinquished By: (Signature) Date/Time 1700 Geocon Sample Storage 8/29/17	Received By: (Signature) Date/Time FedEx 8/29/17 1700

Notes: SEE PAGE 1

Received @ 1:12

8/30/17 10:30

Company Name: Geocon Consultants, Inc.		
Contact	Phone	
E-Mail Address: See Page 1	Fax	
Report Address		
City	State	Zip
Billing Address		
City	State	Zip
PO #	Project	

CHESTER LabNet
12242 SW Garden Place
Tigard, OR 97223
(503) 624-2183
Fax (503) 624-2653
cln@chesterlab.net

CHAIN-OF-CUSTODY RECORD

Turn Around Time
☒ Standard
☐ Rush _____ Specify

LabNet ID	Field Sample ID	Site	Sample Date	Volume (m³)	Particle Size	PM2.5 Metals	PM10 Metals	Remarks	
	VRL5-T3-PM2.5	VRL	8/25/17	24	PM2.5	X		Serial # 220424954	17-T2544
	VRL1-T2-PM2.5-FB		8/23/17					17-T2543 220424945	
	VRL3-T3-PM2.5-FB		8/25/17					17-T2545 220424949	
	VRL-TB-PM2.5		8/22/17					17-T2554 220424964	
	VRL1-T1-PM10		8/22/17		PM10		X	220424904	17-T2518
	VRL2-T1-PM10							17-T2524 220424913	
	VRL3-T1-PM10							17-T2520 220424906	17-T2520
	VRL5-T1-PM10							17-T2532 220424908	
	VRL1-T2-PM10		8/23/17					17-T2516 220424902	
	VRL2-T2-PM10							17-T2514 220424899	
	VRL3-T2-PM10							17-T2512 220424897	
	VRL1-T3-PM10		8/25/17					17-T2557 220424963	

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
8/25/17 16:00	Geocon Sample Storage 8/25/17 1600
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Geocon Sample Storage 8/26/17 1700	FEDEX 8/26/17 1700

Notes: SEE PAGE 1

Leo Ball 8/30/17 10:30 Received @ 1.1°C

Company Name: Geocon Consultants, Inc.		
Contact	Phone	
E-Mail Address: See Page 1	Fax	
Report Address		
City	State	Zip
Billing Address		
City	State	Zip
PO #	Project	

CHESTER LabNet
12242 SW Garden Place
Tigard, OR 97223
(503) 624-2183
Fax (503) 624-2653
cln@chesterlab.net

CHAIN-OF-CUSTODY RECORD

Turn Around Time
- [x] Standard
- [ ] Rush _____ Specify

LabNet ID	Field Sample ID	Site	Sample Date	Volume (m^3)	Particle Size	PM10/Metals	Remarks
	VRL2-T3-PM10	VRL	8/25/17	24	PM10	X	Serial # 220424953 17-T2548
	VRL3-T3-PM10						17-T2552 220424958
	VRL5-T3-PM10						17-T2550 220424956
	VRL1-T2-PM10-FB		8/23/17				17-T2544 220424947
	VRL3-T3-PM10-FB		8/25/17				17-T2546 220424950
	VRL-TB-PM10		8/22/17				17-T2551 220424965

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
8/25/17 16:00	Geocon Sample Storage 8/25/17 1600
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Geocon Sample Storage 8/26/17 1700	FED Ex 8/28/17 1700

Notes: SEE PAGE 1

Luis Bell 8/30/17 10:30 Received @ 1.1°C

RAW DATA

Available upon request

APPENDIX H

APPENDIX H
DATA QUALITY ASSESSMENT REPORT

DRAFT – AIR MONITORING SUMMARY REPORT
VASCO ROAD LANDFILL
4001 N. VASCO ROAD
LIVERMORE, CALIFORNIA 94550
CONTRACT NO. 16-T4278

H.1 Summary of QA/QC Samples

We collected 52 samples consisting of 27 primary field samples and 25 field quality control (QC) samples on August 21 through 25, 2017, at the Vasco Road Landfill site. A breakdown of the number of primary and QA/QC samples is as follows:

Number of Primary Field Samples	Number of QA/QC Samples	Laboratory	Analysis
9	7	CLN	TSP, metals
9	9	CLN	PM_{10}, metals
9	9	CLN	$PM_{2.5}$, metals

Notes: CLN = CHESTER LabNet,

H.2 Laboratory Quality Control Results

The laboratory QC samples consisted of replicate samples, method blanks, laboratory control samples (LCSs), matrix spikes (MS), and MS duplicates (MSD). Upon receipt of the analytical reports, we reviewed the data for completeness, compliance with the laboratory contract scope of work, and the *Sampling and Analysis Plan* (Geocon, 2017).

H.2.1 CLN QA/QC Review

The following analytical notes were included in the case CLN's Case Narrative:

- "No problems were encountered during the analyses. The results have not been blank corrected. "
- "All of the data have been reviewed by the analysts performing the analyses and the project manager. All of the quality control and sample-specific information in this package is complete and meets or exceeds the minimum requirements for acceptability. "

The results of CLN's QA/QC procedures are in Appendix G.

H.3 Field Quality Control Results

Field QC samples consisted of field blank samples, trip blanks and lab blank samples, and two field duplicate sample pairs. The results of analysis of the QA/QC samples are presented in Tables 1 through 3 of the report.

H.3.1 Field Blanks, Trip Blanks, and Lab Blanks

The pre- and post-sampling weight differences for various field blank, trip blank, and lab blank samples are as follows.

Sample Type	Sample ID	Analysis	Weight difference (µg)
Field Blank	VRL1-T2-TSP-FB	TSP	1,000
	VRL3-T3-TSP-FB		800
	VRL1-T2-PM_{10}-FB	PM_{10}	-5
	VRL3-T3-PM_{10}-FB		4
	VRL1-T2-$PM_{2.5}$-FB	$PM_{2.5}$	0
	VRL3-T3-$PM_{2.5}$-FB		-1
Trip Blank	VRL-TB-TSP	TSP	1,400
	VRL-TB-PM_{10}	PM_{10}	-22
	VRL-TB-$PM_{2.5}$	$PM_{2.5}$	-24
Lab Blank	Lab Blank	TSP	600
	Lab Blank		1,200
	Lab Blank	PM_{10}/$PM_{2.5}$	-9
	Lab Blank		2
	Lab Blank		-11
	Lab Blank		-7

The validation acceptance criterion for field, trip, and lab blanks are ±30, ±15, and ±15 µg between weighings. Therefore, each of the TSP field, trip, and lab blank samples and the PM_{10} and $PM_{2.5}$ trip blanks exceed the acceptance criteria. Each of the PM_{10} and $PM_{2.5}$ field and lab blank samples meet the acceptance criteria.

H.3.2 Field Duplicates

Collocated duplicate air samples were collected and submitted for analysis. Samples identified with VRL5-T1 and VRL5-T3 were collocated duplicate samples of the primary samples identified with VRL2-T1 and VRL2-T3, respectively. CLN analyzed both of the TSP, PM_{10}, and $PM_{2.5}$ samples for gravimetric and metals. We compared the results of primary samples to their duplicates (Tables 1 through 3) by calculating

the relative percent difference (RPD) between the reported concentrations of the two samples. The analytes with concentrations differences that exceeded the acceptable relative RPD of 20% were as follows:

TSP	PM_{10}	$PM_{2.5}$
Aluminum, Chromium, Copper, Iron, Lead, Manganese, Nickel, and Zinc	Chromium, Lead, Nickel, and Tin	Aluminum, Cadmium, Chromium, Lead, Manganese, Nickel, and Tin

As shown above, the analytical results for the TSP samples had the most analytes with RPDs exceeding 20%, followed by the $PM_{2.5}$ and PM_{10} samples. According to CLN staff, metals are commonly present on new, unused TSP, PM_{10} and $PM_{2.5}$ filters, with the TSP quartz fiber filters typically having more metals than the Teflon filters used for PM_{10} and $PM_{2.5}$. The analytical results of the lab blanks corroborate this because only one of the 10 metals analyzed were not detected in both TSP lab blank samples analyzed. Similarly, two of the 10 metals analyzed were not detected in each of the four PM_{10} lab blank samples analyzed and only one of the 10 metals analyzed was not detected in the four $PM_{2.5}$ lab blank samples analyzed.

To evaluate the effect that these pre-existing metals concentrations had on the variability between the primary and duplicate sample analysis results, we calculated the differences between the primary and duplicate samples and between the lab blanks. Lab blanks consisting of clean filters that were prepared in the same manner as the rest of the filters used in the field, but were never shipped to Geocon. CLN retained the lab blanks and upon receipt of the field samples, analyzed the TSP, PM_{10}, and $PM_{2.5}$ lab blanks for gravimetric and metals. If more than two lab blanks were analyzed (as was the case for the PM_{10} and $PM_{2.5}$ samples), we used the maximum and minimum reported concentrations. We multiplied the lab blanks mass (in µg/filter) by the volume used for the TSP, PM_{10}, and $PM_{2.5}$ sampling equipment to calculate the concentration of the lab blanks in $\mu g/m^3$. Finally, we divided the duplicate concentration difference by the lab blank concentration difference to determine the potential percentage of variation of the duplicate samples that could be attributable to the lab blank concentrations. The results of these calculations are in Table I.

Analytes with concentration variances most attributable to filter contamination	Analytes with concentration variances moderately attributable to filter contamination	Analytes with concentrations variances least attributable to filter contamination
PM_{10} – Tin $PM_{2.5}$ – Nickel, Tin	TSP – Aluminum, Chromium, Lead PM_{10} –Lead, Nickel $PM_{2.5}$ – Cadmium, Chromium, Lead, Manganese	TSP – Copper, Iron, Manganese, Nickel, Zinc PM_{10} –Chromium $PM_{2.5}$ – Aluminum

The variability of analytes in the left column appear to be attributed to the variability inherent in the filters and therefore, the reported results are acceptable. The variability of analytes in the middle column may be partially attributed to the variability inherent in the filters. Professional judgement should be used to determine if the data are of adequate quality for the intended use. The variability of analytes in the right column does not appear to be attributed to the variability inherent in the filters. Therefore, these analyses must be qualified as estimated with the potential to be less than or greater than the reported values. Likely reasons for the variability are changes in wind speed and direction during the sampling and the non-heterogenic distribution of particulates in air.

TABLE H

DATA QUALITY ASSESSMENT - ANALYSIS OF ANALYTES WITH RPDS EXCEEDING 20%

LANDFILLS ACCEPTING METAL SHREDDING WASTE

VASCO ROAD LANDFILL (VRL), 4001 N. VASCO ROAD, LIVERMORE, CALIFORNIA

CONTRACT NO. 16-T4278

Sample ID: Primary/ Duplicate	Date Collected	Analyte	Primary Result ($\mu g/m^3$)	Duplicate Result ($\mu g/m^3$)	Duplicate Concentration Difference ($\mu g/m^3$)	Relative Percent Difference (%)	Lab Blank Minimum (µg/filter)	Lab Blank Maximum (µg/filter)	Mass Difference (µg/filter)	Volume of (used to convert mass into concentration) (m^3)	Lab Blank Concentration Difference ($\mu g/m^3$)	Possible Variation From Blank Filters (%)
VRL2-T1/ VRL5-T1	8/22/2017	TSP – Aluminum	0.8257	0.5248	0.3009	45	372.7	499.8	127.1	1771	0.0718	23.85%
		TSP – Chromium	0.0131	0.008	0.0051	48	9.379	11.73	2.351	1771	0.0013	26.03%
		TSP – Copper	0.1249	0.0533	0.0716	80	14.09	14.94	0.85	1771	0.0005	0.67%
		TSP – Iron	1.627	0.7535	0.8735	73	121.2	122.1	0.9	1771	0.0005	0.06%
		TSP – Lead	0.0063	0.0028	0.0035	77	1.015	3.492	2.477	1771	0.0014	39.96%
		TSP – Manganese	0.0351	0.0196	0.0155	57	5.522	8.364	2.842	1771	0.0016	10.35%
		TSP – Nickel	0.0082	0.0064	0.0018	25	7.105	7.389	0.284	1771	0.0002	8.91%
		TSP – Zinc	0.031	0.0174	0.0136	56	0.812	1.218	0.406	1771	0.0002	1.69%
		PM10 – Chromium	0.0042	0.0023	0.0019	58	0	0.0023	0.0023	24	0.0001	5.04%
		PM10 – Lead	0.0025	0.0035	0.001	33	0	0.0079	0.0079	24	0.0003	32.92%
		PM10 – Nickel	0.0022	0.0018	0.0004	20	0	0.0034	0.0034	24	0.0001	35.42%
		PM10 – Tin	0	0.001	0.001	200	0	0.0701	0.0701	24	0.0029	292.08%
		PM2.5 – Aluminum	0.0565	0.0445	0.012	24	0	0	0	24	0.0000	0.00%
		PM2.5 – Chromium	0.0008	0.0003	0.0005	91	0	0.0023	0.0023	24	0.0001	19.17%
		PM2.5 – Lead	0.0019	0.0024	0.0005	23	0	0.0079	0.0079	24	0.0003	65.83%
		PM2.5 – Manganese	0.0016	0.0006	0.001	91	0	0.0113	0.0113	24	0.0005	47.08%
		PM2.5 – Nickel	0.0002	0.0004	0.0002	67	0	0.0034	0.0034	24	0.0001	70.83%
VRL2-T3/ VRL5-T3	8/25/2017	TSP – Copper	0.1052	0.0677	0.0375	43	14.09	14.94	0.85	1771	0.0005	1.28%
		PM10 - Chromium	0.004	0.0051	0.0011	24	0	0.0023	0.0023	24	0.0001	8.71%
		PM10 – Nickel	0.0031	0.0022	0.0009	34	0	0.0034	0.0034	24	0.0001	15.74%
		PM10 – Tin	0.0006	0.0018	0.0012	100	0	0.0701	0.0701	24	0.0029	243.40%
		PM2.5 – Cadmium	0	0.0026	0.0026	200	0	0.0407	0.0407	24	0.0017	65.22%
		PM2.5 – Lead	0.0010	0	0.001	200	0	0.0079	0.0079	24	0.0003	32.92%
		PM2.5 – Nickel	0.0002	0.0001	0.0001	67	0	0.0034	0.0034	24	0.0001	141.67%
		PM2.5 – Tin	0	0.0017	0.0017	200	0	0.0701	0.0701	24	0.0029	171.81%

Notes:

µg = micrograms

m^3 = cubic meter

$\mu g/m^3$ = micrograms per cubic meter