

October 27, 2023

Michelle Luplow  
Air Quality Division, Lansing District  
Constitution Hall  
525 West Allegan  
Lansing, MI 48909

Re: Double Eagle RNG, LLC (PTI 50-21)  
Response to Violation Notice  
File: 2348.010.006

Dear Ms. Luplow:

Barton & Loguidice (B&L), on behalf of Double Eagle RNG, LLC, is providing this response and explanation of H<sub>2</sub>S exceedances noted in the Notice of Non-Compliance received October 6, 2023. As specified in this Notice, this response includes the dates the violations occurred, an explanation of the causes and duration of the violations, whether the violations are ongoing, a summary of the actions that have been taken and are proposed to be taken to correct the violations and the dates by which these actions will take place, and what steps are being taken to prevent a reoccurrence.

This response is intended to summarize the observed exceedances, the operational environment that led to this condition, and the regulatory and technical approach to enable the Double Eagle RNG Facility (Double Eagle) to operate in compliance with its air permit moving forward. Most of these details have already been discussed on our phone call on October 3<sup>rd</sup>, and we appreciate the guidance and flexibility in assisting our team on this matter. Specifically, it is our intent to submit a permit modification application to modify the site's H<sub>2</sub>S limit to a concentration more in line with observed operational conditions. These new limits were derived from operational emissions data and evaluated through EGLE-approved air modeling methods. To date, these calibrated modeling results generated by B&L have demonstrated that the site can emit a higher concentration of H<sub>2</sub>S than allotted in its existing permit while still remaining under any regulated criteria pollutant thresholds (particularly SO<sub>2</sub>). As such, the site will be submitting a permit modification application to raise the allowable H<sub>2</sub>S operating limit for the flare. To help ensure that this approach is in line with EGLE regulations, we had discussed the possibility of collaborating with Mark Mitchell, the Thermal Process Unit Supervisor of EGLE, to provide further technical insight to help guide our approach. If available, we would welcome a call with Mr. Mitchell at a time of his convenience to align on approach and provide any additional technical information that may inform recommendations from EGLE. Additional detail including the modelling results and all details regarding exceedances, operational conditions, and solutions, are detailed and discussed below:

## DATA SUMMARY

As we reported on October 3<sup>rd</sup>, on July 18, 19, and 20 of 2023, the Double Eagle facility exceeded the 5,000 ppm H<sub>2</sub>S limit for gas being combusted by the flare. As specified in the Notice, the facility is required to report if the violations are ongoing. To date, the site has exceeded its 5,000 ppm H<sub>2</sub>S limit



for a total of 139 hours, given a total flare run time of 500 hours, or 28% of the time the flare operated. It is important to note, however, that the site has not and will not violate its annual SO<sub>2</sub> limit of 30.3 tons/year. To date, the site has emitted a total of 0.81 tons of SO<sub>2</sub>, or 2.7% of its annual limit. Based on these data and given the recently observed and anticipated operational conditions, the site will not exceed these SO<sub>2</sub> annual limits for the remaining portion of the year as flare runtime will be decreasing and will not be run at its maximum capacity. These data, including the times and pollutant concentrations of all exceedances, can be found in the attachment included with this notification.

### **OPERATIONAL ASSESSMENT**

Though not directly related to operational conditions, it is important to note that manufacturer-provided information on anticipated H<sub>2</sub>S emissions was misaligned with observed emissions leading to an underestimation of H<sub>2</sub>S emissions during the permit application process. Additionally, there have been issues in accessing site telemetry data to assess the situation in confidence. The site has since resolved these issues and the collective team is now observing these data daily.

Since initial flare operation, the site has been working to incorporate and refine its ferric chloride and oxygen injection systems which are utilized to reduce H<sub>2</sub>S in the biogas to prevent a reoccurrence. Additionally, while the gas upgrading unit began operating in August, the system is still undergoing refinement toward steady-state operations. During this time, the flare will need to be run intermittently, but its operation will continue to decrease as the gas upgrading unit reaches full operation.

### **AIR MODELING**

B&L has prepared air quality modelling using EGLE-prescribed modelling methods. These methods indicate that, at the flare's stack height of 20 feet, the site can run the flare at its maximum capacity of 300 cfm and combust biogas with a maximum 7,975 ppm of H<sub>2</sub>S; the modelled emissions would still be below the 1-hour SO<sub>2</sub> NAAQS. As was noted above, the flare will not be running during steady-state operations of the facility as under normal operations all gas will be routed to the gas upgrading unit. These results can be found in the attachment included with this notification and will be used in combination with observed operating conditions to inform the forthcoming permit modification.

Further, based on emissions calculations, the site can run at 7,975 ppm H<sub>2</sub>S for 40 days of the year at maximum flare flow rate, without exceeding the SO<sub>2</sub> 1-hour NAAQS or annual SO<sub>2</sub> limit. For the remaining portion of the year, the site can emit 1,600 ppm H<sub>2</sub>S without exceeding any permit limitations and other air quality standards, particularly the site's annual SO<sub>2</sub> limit.

### **INTERIM PATH FORWARD**

It is the intent of the team to operate the flare at or below its rated capacity to keep emissions below any regulated criteria pollutants. B&L and Double Eagle RNG, as per your recommendation, will be modifying the permit to provide allowance for startup conditions and limited combustion of higher levels of H<sub>2</sub>S. As was detailed above, B&L's modelling results show that the site can run at higher concentrations and still remain below regulated contaminant thresholds; as such, a maximum H<sub>2</sub>S content of 7,975 ppm for 40 days and maximum H<sub>2</sub>S content of 1,600 ppm for 325 days will be proposed in the permit modification. We appreciate EGLE's flexibility and guidance on this matter and will be sure to remain in close communication with EGLE as we work towards the forthcoming permit modification.

Michelle Luplow  
Department of Environment, Great Lakes, and Energy  
Air Quality Division, Lansing District  
October 27, 2023  
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If you have any questions or would like additional information, do not hesitate to contact me or Pat Troy, Sr. Project Manager and Emergency Coordinator for the Double Eagle RNG facility.

Sincerely,

BARTON & LOGUIDICE, D.P.C.

A handwritten signature in black ink that reads "William F. Doebler IV". The signature is written in a cursive style.

William F. Doebler IV, QEP  
Associate

DAP/jms

cc: Spencer Turan, RevLNG  
Pat Troy, RevLNG



REVLNG  
 AERSCREEN MAXIMUM IMPACTS  
 Compliance Summary

The following provides a conservative emission summary using maximum impacts based on AERSCREEN model outputs of the Oakridge Flare under various operating conditions.

btu/minute>calories per second

4.1988

300 scfm

Calculation Procedure	Flat Terrain			(lbs/hr)
Emission Source	Time and Flow	SCFM	H2S ppm	Actual Emission Rate
Double Eagle Flare	N/A	300	7975	23.87
Double Eagle Flare	N/A	300	7975	0.002

Pollutant	Level	Scaled Concentration (ug/m3)	MI Requirements (ug/m3)***	NAAQS Compliance Assessment
SO2	1-Hour, Primary (Potential)	195.8	196	Compliant
H2S	Annual, Primary (Potential)	0.0016	10	Compliant

**Flare 1 Input**

Description	Value	Unit	Note
Source Type	Flare	N/A	
Emission Rate	1	lb/hr	
Flare Stack Height	20	ft	
Total Heat Release Rate	803650.32	cal/sec	calculated
Radiative Heat Loss Fraction	0.55		Default
Rural or urban?	Rural		
Minimum Distance to Ambient Air	3.3	feet	Default
Modeling NO2 Chemistry	No chemistry or pollutant is not NO2		
Building Downwash?	No		
Terrain Heights Included?	No		
Maximum Distance to Probe	25	m	
Discrete receptors?	No		
Flagpole receptors?	No		
Source Elevation	0	m	Default
Minimum Ambient Temperature	-10	degrees F	Default
Maximum Ambient Temperature	100	degrees F	Default
Minimum Wind Speed	0.5	m/s	Default
Anemometer Height	10.00	m	Default
Surface Characteristics Basis	AERMET Seasonal Tables		
Dominant Surface Profile	Cultivated Land		
Dominant Climate	Average Moisture		
Apply inversion break-up fumigation?	Yes		"No" resulted in model not fully running
Apply shoreline fumigation?	No		



REVLNG  
AERSCREEN MAXIMUM IMPACTS

**Flare 1 Output**

<b>Modeled Emission Rate</b>	1	lb/hour
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DISTANCE FROM SOURCE (M)	CALCULATION PROCEDURE	MAXIMUM 1-HOUR CONC (UG/M3)	SCALED 3-HOUR CONC (UG/M3)	SCALED 8-HOUR CONC (UG/M3)	SCALED 24-HOUR CONC (UG/M3)	SCALED ANNUAL CONC (UG/M3)
66.00	FLAT TERRAIN	8.203	8.203	7.383	4.922	0.8203

Flare 2 Input			
Description	Value	Unit	Note
Source Type	Flare	N/A	
Emission Rate	1	lb/hr	
Flare Stack Height	20	ft	
Total Heat Release Rate	803650.32	cal/sec	calculated
Radiative Heat Loss Fraction	0.55		Default
Rural or urban?	Rural		
Minimum Distance to Ambient Air	3.3	feet	Default
Modeling NO2 Chemistry	No chemistry or pollutant is not NO2		
Building Downwash?	No		
Terrain Heights Included?	No		
Maximum Distance to Probe	25	m	
Discrete receptors?	No		
Flagpole receptors?	No		
Source Elevation	0	m	Default
Minimum Ambient Temperature	-10	degrees F	Default
Maximum Ambient Temperature	100	degrees F	Default
Minimum Wind Speed	0.5	m/s	Default
Anemometer Height	10.00	m	Default
Surface Characteristics Basis	AERMET Seasonal Tables		
Dominant Surface Profile	Cultivated Land		
Dominant Climate	Average Moisture		
Apply inversion break-up fumigation?	Yes		"No" resulted in model not fully running
Apply shoreline fumigation?	No		



AIR EMISSION REGISTRATION APPLICATION  
AERSCREEN MAXIMUM IMPACTS

Flare 2 Output

Modeled Emission Rate	1	lb/hour
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DISTANCE FROM SOURCE (M)	CALCULATION PROCEDURE	MAXIMUM 1-HOUR CONC (UG/M3)	SCALED 3-HOUR CONC (UG/M3)	SCALED 8-HOUR CONC (UG/M3)	SCALED 24-HOUR CONC (UG/M3)	SCALED ANNUAL CONC (UG/M3)
66.00	FLAT TERRAIN	8.203	8.203	7.383	4.922	0.8203

TITLE: DOUBLE EAGLE FLARE MODEL

\*\*\*\*\* FLARE PARAMETERS \*\*\*\*\*

SOURCE EMISSION RATE: 0.1260 g/s 1.000 lb/hr  
 FLARE HEIGHT: 6.096 meters 20.00 feet  
 EFF RELEASE HEIGHT: 9.127 meters 29.94 feet  
 HEAT RELEASE RATE: 0.8036E+06 cal/sec  
 HEAT LOSS FRACTION: 0.550  
 EFF STACK DIAMETER: 0.594 meters 23.39 inches  
 EFF EXIT TEMPERATURE: 1273.0 K 1831.7 Deg F  
 EFF EXIT VELOCITY: 20.000 m/s 65.62 ft/s  
 RURAL OR URBAN: RURAL

INITIAL PROBE DISTANCE = 25. meters 82. feet

\*\*\*\*\* BUILDING DOWNWASH PARAMETERS \*\*\*\*\*

NO BUILDING DOWNWASH HAS BEEN REQUESTED FOR THIS ANALYSIS

\*\*\*\*\* PROBE ANALYSIS \*\*\*\*\*

25 meter receptor spacing: 1. meters - 25. meters

Zo SECTOR	ROUGHNESS LENGTH	1-HR CONC (ug/m3)	DIST (m)	TEMPORAL PERIOD
1*	0.200	1.642	25.0	SUM

\* = worst case flow sector

\*\*\*\*\* MAKEMET METEOROLOGY PARAMETERS \*\*\*\*\*

MIN/MAX TEMPERATURE: 249.8 / 310.9 (K)  
 MINIMUM WIND SPEED: 0.5 m/s

ANEMOMETER HEIGHT: 10.000 meters

SURFACE CHARACTERISTICS INPUT: AERMET SEASONAL TABLES

DOMINANT SURFACE PROFILE: Cultivated Land  
DOMINANT CLIMATE TYPE: Average Moisture  
DOMINANT SEASON: Summer

ALBEDO: 0.20  
BOWEN RATIO: 0.50  
ROUGHNESS LENGTH: 0.200 (meters)

SURFACE FRICTION VELOCITY (U\*) NOT ADJUSTED

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

-----  
YR MO DY JDY HR  
-- -- -- -- --  
10 06 01 1 01  
  
HO U\* W\* DT/DZ ZICNV ZIMCH M-O LEN ZO BOWEN ALBEDO REF WS  
-----  
-64.00 1.838 -9.000 0.020 -999. 4000. 8888.0 0.200 0.50 0.20 18.00  
  
HT REF TA HT  
-----  
10.0 310.9 2.0

WIND SPEED AT STACK HEIGHT (non-downwash): 17.6 m/s  
STACK-TIP DOWNWASH ADJUSTED STACK HEIGHT: 8.7 meters  
ESTIMATED FINAL PLUME RISE (non-downwash): 1.2 meters  
ESTIMATED FINAL PLUME HEIGHT (non-downwash): 9.9 meters

METEOROLOGY CONDITIONS USED TO PREDICT AMBIENT BOUNDARY IMPACT

-----  
YR MO DY JDY HR  
-- -- -- -- --  
10 01 02 1 12  
  
HO U\* W\* DT/DZ ZICNV ZIMCH M-O LEN ZO BOWEN ALBEDO REF WS  
-----  
2.60 0.041 0.100 0.020 13. 19. -2.2 0.010 1.50 0.60 0.50  
  
HT REF TA HT  
-----  
10.0 280.4 2.0



WIND SPEED AT STACK HEIGHT (non-downwash): 0.5 m/s  
 STACK-TIP DOWNWASH ADJUSTED STACK HEIGHT: 9.1 meters  
 ESTIMATED FINAL PLUME RISE (non-downwash): 302.8 meters  
 ESTIMATED FINAL PLUME HEIGHT (non-downwash): 311.9 meters

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 \*\*\*\*\* AERSCREEN AUTOMATED DISTANCES \*\*\*\*\*  
 OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE  
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DIST (m)	MAXIMUM 1-HR CONC (ug/m3)	DIST (m)	MAXIMUM 1-HR CONC (ug/m3)
1.00	0.2233	25.00	1.642

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 \*\*\*\*\* AERSCREEN MAXIMUM IMPACT SUMMARY \*\*\*\*\*  
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CALCULATION PROCEDURE	MAXIMUM 1-HOUR CONC (ug/m3)	SCALED 3-HOUR CONC (ug/m3)	SCALED 8-HOUR CONC (ug/m3)	SCALED 24-HOUR CONC (ug/m3)	SCALED ANNUAL CONC (ug/m3)
FLAT TERRAIN	8.203	8.203	7.383	4.922	0.8203
DISTANCE FROM SOURCE	66.00 meters				
IMPACT AT THE AMBIENT BOUNDARY	0.2233	0.2233	0.2010	0.1340	0.2233E-01
DISTANCE FROM SOURCE	1.00 meters				

\*\* FLARE DATA            Rate        Height            Heat   HeatLoss

\*\*                            0.1260E+00    6.0960   0.8036E+06      0.550

\*\* BUILDING DATA    BPIP        Height    Max di.m.    Min di.m.    Orient.    Direct.    Offset

\*\*                            N            0.0000    0.0000    0.0000    0.0000    0.0000    0.0000

\*\* MAKEMET DATA    MinT        MaxT Speed    AnemHt Surf Clim    Albedo    Bowen    Length    SC  
FILE

\*\*                            249.82    310.93    0.5    10.000    5    1    0.2000    0.5000    0.2000  
"NA"

\*\* ADJUST U\*        N

\*\* TERRAIN DATA    Terrain        UTM East    UTM North    Zone    Nada        Probe        PROFBASE  
Use AERMAP elev

\*\*                            N            0.0        0.0        0        0            25.0  
0.00            N

\*\* DISCRETE RECEPTORS    Di scfl ag    Receptor file

\*\*                            N            "NA"

\*\* UNITS/POPULATION    Uni ts    R/U    Popul ati on    Amb. di st.    Fl agpol e    Fl agpol e  
hei ght

\*\*                            M        R                    0.                    1. 000            N                    0. 00

\*\* FUMIGATION            Inversi on Break-up    Shoreli ne    Di stance    Di rect    Run  
AERSCREEN

\*\*                            N                            N                    1. 00            -9. 0            Y

\*\* DEBUG OPTION        Debug

\*\*                            N

\*\* OUTPUT FILE "AERSCREEN. OUT"

\*\* Temporal sector: Summer, spatial sector: 1

CO STARTING

TITLEONE DOUBLE EAGLE FLARE MODEL

\*\*                            REFINE STAGE 3

MODELOPT CONC SCREEN FLAT

AVERTIME 1

POLLUTID OTHER

RUNORNOT RUN

CO FINISHED

SO STARTING

LOCATION SOURCE POINT 0.0 0.0

SRCPARAM SOURCE 0.1260E+00 9.127 1273.000 20.000 0.594

SRCGROUP ALL

SO FINISHED

RE STARTING

\*\* Fence line receptor

DI SCCART 1.00 0.00

\*\* Refined receptors

DI SCCART	2.00	0.00
DI SCCART	3.00	0.00
DI SCCART	4.00	0.00
DI SCCART	5.00	0.00
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DI SCCART	69.00	0.00



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DI SCCART	72.00	0.00
DI SCCART	73.00	0.00
DI SCCART	74.00	0.00
DI SCCART	75.00	0.00

RE FINISHED

ME STARTING

SURFFILE aerscreen\_03\_01.sfc FREE

PROFFILE aerscreen\_03\_01.pfl FREE

SURFDATA 11111 2010 SCREEN

UAI RDATA 22222 2010 SCREEN

PROFBASE 0.0 METERS

ME FINISHED

OU STARTING

RECTABLE 1 FIRST

MAXTABLE ALLAVE 50

FILEFORM EXP

RANKFILE 1 10 AERSCREEN. FIL

PLOTFILE 1 ALL FIRST AERSCREEN. PLT

OU FINISHED

DATE TIME	Inlet_to_Flare_SCF	Average of 'Flare_Gas_Analyzer_H2S%'
7/15/2023 12:00:00 AM	2700.186303	6777
7/15/2023 12:15:00 AM	952.3161256	6770
7/15/2023 12:30:00 AM	266.212492	6738
7/15/2023 12:45:00 AM	266.212492	6762
7/15/2023 1:00:00 AM	266.212492	6888
7/15/2023 1:15:00 AM	266.212492	6882
7/15/2023 1:30:00 AM	266.212492	6842
7/15/2023 1:45:00 AM	266.212492	6841
7/15/2023 2:00:00 AM	266.212492	6834
7/15/2023 2:15:00 AM	266.212492	6839
7/15/2023 2:30:00 AM	266.212492	6881
7/15/2023 2:45:00 AM	266.212492	6871
7/15/2023 3:00:00 AM	266.212492	6745
7/15/2023 3:15:00 AM	266.212492	6749
7/15/2023 3:30:00 AM	266.212492	6820
7/15/2023 3:45:00 AM	266.212492	6822
7/15/2023 4:00:00 AM	266.212492	6877
7/15/2023 4:15:00 AM	81.63849754	6878
7/15/2023 9:15:00 AM	2342.298985	6774
7/15/2023 9:30:00 AM	2699.870423	6811
7/15/2023 9:45:00 AM	2699.986673	6821
7/15/2023 10:00:00 AM	2699.574628	6783
7/15/2023 10:15:00 AM	2700.267935	6771
7/15/2023 10:30:00 AM	2700.09582	6797
7/15/2023 10:45:00 AM	2700.341236	6806
7/15/2023 11:00:00 AM	2699.149999	6806
7/15/2023 11:15:00 AM	2700.5873	6658
7/15/2023 11:30:00 AM	2700.19011	6617
7/15/2023 11:45:00 AM	2068.528292	6831
7/15/2023 12:00:00 PM	260.1093864	6903
7/15/2023 12:15:00 PM	260.1093864	6877
7/15/2023 12:30:00 PM	260.1093864	6867
7/15/2023 12:45:00 PM	260.1093864	6922
7/15/2023 1:00:00 PM	260.1093864	6946
7/15/2023 1:15:00 PM	260.1093864	7012
7/15/2023 1:30:00 PM	260.1093864	7043
7/15/2023 1:45:00 PM	260.1093864	6864
7/15/2023 2:00:00 PM	260.1093864	6771
7/15/2023 2:15:00 PM	260.1093864	6802
7/15/2023 2:30:00 PM	260.1093864	6821
7/15/2023 2:45:00 PM	260.1093864	6812
7/15/2023 3:00:00 PM	260.1093864	6807
7/15/2023 3:15:00 PM	260.1093864	6809
7/15/2023 3:30:00 PM	260.1093864	6810
7/15/2023 3:45:00 PM	199.4171963	6834
7/15/2023 9:15:00 PM	375.4129091	6738

7/15/2023 9:30:00 PM	2692.680702	6820
7/15/2023 9:45:00 PM	2699.907566	6832
7/15/2023 10:00:00 PM	2699.650914	6859
7/15/2023 10:15:00 PM	2697.766305	6861
7/15/2023 10:30:00 PM	2699.492292	6867
7/15/2023 10:45:00 PM	2699.931787	6832
7/15/2023 11:00:00 PM	2700.208521	6727
7/15/2023 11:15:00 PM	2700.027689	6746
7/15/2023 11:30:00 PM	2699.936617	6809
7/15/2023 11:45:00 PM	2699.620155	6806
7/16/2023 12:00:00 AM	2700.432937	6795
7/16/2023 12:15:00 AM	1956.212706	6782
7/16/2023 12:30:00 AM	238.6031199	6724
7/16/2023 12:45:00 AM	238.6031199	6735
7/16/2023 1:00:00 AM	238.6031199	6791
7/16/2023 1:15:00 AM	238.6031199	6799
7/16/2023 1:30:00 AM	238.6031199	6849
7/16/2023 1:45:00 AM	238.6031199	6850
7/16/2023 2:00:00 AM	238.6031199	6859
7/16/2023 2:15:00 AM	238.6031199	6864
7/16/2023 2:30:00 AM	238.6031199	6913
7/16/2023 2:45:00 AM	238.6031199	6903
7/16/2023 3:00:00 AM	238.6031199	6774
7/16/2023 3:15:00 AM	238.6031199	6774
7/16/2023 3:30:00 AM	238.6031199	6778
7/16/2023 3:45:00 AM	238.6031199	6778
7/16/2023 4:00:00 AM	238.6031199	6799
7/16/2023 4:15:00 AM	172.58959	6799
7/16/2023 8:15:00 AM	516.3485958	6778
7/16/2023 8:30:00 AM	2698.560671	6787
7/16/2023 8:45:00 AM	2699.527164	6789
7/16/2023 9:00:00 AM	2699.873011	6812
7/16/2023 9:15:00 AM	2700.025425	6817
7/16/2023 9:30:00 AM	2700.0561	6723
7/16/2023 9:45:00 AM	2699.800997	6696
7/16/2023 10:00:00 AM	2700.136186	6817
7/16/2023 10:15:00 AM	2699.531359	6856
7/16/2023 10:30:00 AM	2699.637923	6820
7/16/2023 10:45:00 AM	2699.658592	6806
7/16/2023 11:00:00 AM	2700.038662	6806
7/16/2023 11:15:00 AM	2699.981505	6649
7/16/2023 11:30:00 AM	2699.899485	6606
7/16/2023 11:45:00 AM	2700.370302	6812
7/16/2023 12:00:00 PM	2700.292795	6881
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7/16/2023 2:00:00 PM	224.0718699	6746
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7/16/2023 3:00:00 PM	224.0718699	6799
7/16/2023 3:15:00 PM	224.0718699	6814
7/16/2023 3:30:00 PM	224.0718699	6825
7/16/2023 3:45:00 PM	224.0718699	6772
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7/16/2023 4:15:00 PM	224.0718699	6722
7/16/2023 4:30:00 PM	224.0718699	6714
7/16/2023 4:45:00 PM	224.0718699	6757
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7/17/2023 2:15:00 AM	2700.296019	6792
7/17/2023 2:30:00 AM	2699.918215	6863
7/17/2023 2:45:00 AM	2526.966627	6859
7/17/2023 3:00:00 AM	237.7312517	6810
7/17/2023 3:15:00 AM	237.7312517	6807
7/17/2023 3:30:00 AM	237.7312517	6749
7/17/2023 3:45:00 AM	237.7312517	6751
7/17/2023 4:00:00 AM	237.7312517	6817
7/17/2023 4:15:00 AM	237.7312517	6818
7/17/2023 4:30:00 AM	237.7312517	6839
7/17/2023 4:45:00 AM	237.7312517	6839
7/17/2023 5:00:00 AM	237.7312517	6814
7/17/2023 5:15:00 AM	237.7312517	6814
7/17/2023 5:30:00 AM	237.7312517	6858
7/17/2023 5:45:00 AM	237.7312517	6860
7/17/2023 6:00:00 AM	237.7312517	6632
7/17/2023 6:15:00 AM	237.7312517	6617
7/17/2023 6:30:00 AM	237.7312517	6942
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7/18/2023 4:00:00 AM	2999.897147	6778
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7/18/2023 10:30:00 AM	3421.762913	6697
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7/18/2023 12:30:00 PM	224.6531296	
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7/20/2023 10:45:00 AM	240.9281158	6199
7/20/2023 11:00:00 AM	240.9281158	6199
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7/22/2023 10:30:00 AM	3327.036278	1023

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7/22/2023 11:30:00 AM	3278.032383	890
7/22/2023 11:45:00 AM	3315.625053	946
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7/22/2023 12:15:00 PM	3289.163643	942
7/22/2023 12:30:00 PM	3281.764653	933
7/22/2023 12:45:00 PM	3265.303973	933
7/22/2023 1:00:00 PM	3261.544256	933
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7/22/2023 2:45:00 PM	225.234375	897
7/22/2023 3:00:00 PM	225.234375	890
7/22/2023 3:15:00 PM	225.234375	869
7/22/2023 3:30:00 PM	225.234375	854
7/22/2023 3:45:00 PM	225.234375	854
7/22/2023 4:00:00 PM	225.234375	854
7/22/2023 4:15:00 PM	225.234375	847
7/22/2023 4:30:00 PM	225.234375	841
7/22/2023 4:45:00 PM	225.234375	835
7/22/2023 5:00:00 PM	225.234375	830
7/22/2023 5:15:00 PM	225.234375	824
7/22/2023 5:30:00 PM	103.3575521	819
7/22/2023 8:15:00 PM	629.7501517	744
7/22/2023 8:30:00 PM	3294.662589	633
7/22/2023 8:45:00 PM	3277.57868	600
7/22/2023 9:00:00 PM	3270.621765	534
7/22/2023 9:15:00 PM	3277.918074	518
7/22/2023 9:30:00 PM	3282.569037	484
7/22/2023 9:45:00 PM	3283.656947	471
7/22/2023 10:00:00 PM	612.8545	441
7/22/2023 10:15:00 PM	227.559371	435
7/22/2023 10:30:00 PM	227.559371	419
7/22/2023 10:45:00 PM	227.559371	416
7/22/2023 11:00:00 PM	227.559371	405
7/22/2023 11:15:00 PM	227.559371	401
7/22/2023 11:30:00 PM	207.3318714	387
7/22/2023 11:45:00 PM	2805.131915	389
7/23/2023 12:00:00 AM	3249.187546	373
7/23/2023 12:15:00 AM	3249.187546	371
7/23/2023 12:30:00 AM	3249.187546	362
7/23/2023 12:45:00 AM	3249.187546	360

7/23/2023 1:00:00 AM	3249.187546	352
7/23/2023 1:15:00 AM	3249.187546	351
7/23/2023 1:30:00 AM	3249.187546	344
7/23/2023 1:45:00 AM	3249.187546	344
7/23/2023 2:00:00 AM	3249.187546	344
7/23/2023 2:15:00 AM	3249.187546	343
7/23/2023 2:30:00 AM	3249.187546	334
7/23/2023 2:45:00 AM	3249.187546	333
7/23/2023 3:00:00 AM	3249.187546	316
7/23/2023 3:15:00 AM	3249.187546	315
7/23/2023 3:30:00 AM	3249.187546	298
7/23/2023 3:45:00 AM	444.0556313	298
7/23/2023 4:30:00 AM	1965.639298	288
7/23/2023 4:45:00 AM	3380.744421	288
7/23/2023 5:00:00 AM	3368.305352	291
7/23/2023 5:15:00 AM	3374.486618	291
7/23/2023 5:30:00 AM	3373.780081	288
7/23/2023 5:45:00 AM	3362.52772	288
7/23/2023 6:00:00 AM	3315.735489	294
7/23/2023 6:15:00 AM	3324.839802	294
7/23/2023 6:30:00 AM	3318.701798	291
7/23/2023 6:45:00 AM	963.8658905	291
7/23/2023 7:00:00 AM	234.5343733	282
7/23/2023 7:15:00 AM	234.5343733	280
7/23/2023 7:30:00 AM	234.5343733	268
7/23/2023 7:45:00 AM	234.5343733	266
7/23/2023 8:00:00 AM	234.5343733	263
7/23/2023 8:15:00 AM	234.5343733	262
7/23/2023 8:30:00 AM	234.5343733	259
7/23/2023 8:45:00 AM	234.5343733	259
7/23/2023 9:00:00 AM	234.5343733	262
7/23/2023 9:15:00 AM	234.5343733	263
7/23/2023 9:30:00 AM	234.5343733	262
7/23/2023 9:45:00 AM	234.5343733	262
7/23/2023 10:00:00 AM	234.5343733	268
7/23/2023 10:15:00 AM	234.5343733	269
7/23/2023 10:30:00 AM	234.5343733	267
7/23/2023 10:45:00 AM	62.02131205	266
7/23/2023 11:30:00 AM	1152.28583	255
7/23/2023 11:45:00 AM	3301.299174	281
7/23/2023 12:00:00 PM	3284.933112	291
7/23/2023 12:15:00 PM	3282.781517	301
7/23/2023 12:30:00 PM	3268.335518	305
7/23/2023 12:45:00 PM	3260.065296	322
7/23/2023 1:00:00 PM	3257.383151	330
7/23/2023 1:15:00 PM	3253.07609	393
7/23/2023 1:30:00 PM	3234.499665	423

7/23/2023 1:45:00 PM	3240.130364	446
7/23/2023 2:00:00 PM	3236.268596	459
7/23/2023 2:15:00 PM	3244.854628	461
7/23/2023 2:30:00 PM	3241.895423	462
7/23/2023 2:45:00 PM	3248.578502	551
7/23/2023 3:00:00 PM	793.1198342	608
7/23/2023 3:15:00 PM	253.1343842	671
7/23/2023 3:30:00 PM	253.1343842	716
7/23/2023 3:45:00 PM	253.1343842	710
7/23/2023 4:00:00 PM	253.1343842	705
7/23/2023 4:15:00 PM	253.1343842	701
7/23/2023 4:30:00 PM	253.1343842	698
7/23/2023 4:45:00 PM	253.1343842	690
7/23/2023 5:00:00 PM	253.1343842	683
7/23/2023 5:15:00 PM	253.1343842	683
7/23/2023 5:30:00 PM	253.1343842	683
7/23/2023 5:45:00 PM	253.1343842	683
7/23/2023 6:00:00 PM	253.1343842	683
7/23/2023 6:15:00 PM	253.1343842	680
7/23/2023 6:30:00 PM	253.1343842	676
7/23/2023 6:45:00 PM	253.1343842	678
7/23/2023 7:00:00 PM	52.87696025	680
7/23/2023 9:30:00 PM	1708.768132	598
7/23/2023 9:45:00 PM	3336.336278	516
7/23/2023 10:00:00 PM	3325.59736	319
7/23/2023 10:15:00 PM	3327.229706	313
7/23/2023 10:30:00 PM	3331.304266	294
7/23/2023 10:45:00 PM	3335.881283	289
7/23/2023 11:00:00 PM	3335.817989	273
7/23/2023 11:15:00 PM	3339.370073	269
7/23/2023 11:30:00 PM	2726.585321	255
7/23/2023 11:45:00 PM	250.5187511	251
7/24/2023 12:00:00 AM	250.5187511	237
7/24/2023 12:15:00 AM	250.5187511	236
7/24/2023 12:30:00 AM	250.5187511	230
7/24/2023 12:45:00 AM	250.5187511	231
7/24/2023 1:00:00 AM	250.5187511	237
7/24/2023 1:15:00 AM	250.5187511	237
7/24/2023 1:30:00 AM	250.5187511	237
7/24/2023 1:45:00 AM	250.5187511	237
7/24/2023 2:00:00 AM	250.5187511	234
7/24/2023 2:15:00 AM	250.5187511	233
7/24/2023 2:30:00 AM	250.5187511	230
7/24/2023 2:45:00 AM	250.5187511	229
7/24/2023 3:00:00 AM	250.5187511	219
7/24/2023 3:15:00 AM	250.5187511	219
7/24/2023 3:30:00 AM	207.9305634	209

7/24/2023 5:15:00 AM	997.0368635	194
7/24/2023 5:30:00 AM	3359.377995	239
7/24/2023 5:45:00 AM	3350.279498	241
7/24/2023 6:00:00 AM	3347.701011	241
7/24/2023 6:15:00 AM	3360.438135	241
7/24/2023 6:30:00 AM	3365.413306	244
7/24/2023 6:45:00 AM	3378.251831	244
7/24/2023 7:00:00 AM	3355.443579	244
7/24/2023 7:15:00 AM	3355.628288	244
7/24/2023 7:30:00 AM	2418.04587	244
7/24/2023 7:45:00 AM	221.1656284	244
7/24/2023 8:00:00 AM	221.1656284	229
7/24/2023 8:15:00 AM	221.1656284	226
7/24/2023 8:30:00 AM	221.1656284	221
7/24/2023 8:45:00 AM	221.1656284	219
7/24/2023 9:00:00 AM	221.1656284	222
7/24/2023 9:15:00 AM	221.1656284	223
7/24/2023 9:30:00 AM	221.1656284	228
7/24/2023 9:45:00 AM	221.1656284	230
7/24/2023 10:00:00 AM	221.1656284	230
7/24/2023 10:15:00 AM	221.1656284	230
7/24/2023 10:30:00 AM	221.1656284	230
7/24/2023 10:45:00 AM	221.1656284	230
7/24/2023 11:00:00 AM	221.1656284	230
7/24/2023 11:15:00 AM	221.1656284	224
7/24/2023 11:30:00 AM	161.9423879	223
7/24/2023 1:15:00 PM	256.7139081	267
7/24/2023 1:30:00 PM	3166.090093	269
7/24/2023 1:45:00 PM	3170.735568	483
7/24/2023 2:00:00 PM	3153.146305	597
7/24/2023 2:15:00 PM	3150.943361	541
7/24/2023 2:30:00 PM	3158.792823	508
7/24/2023 2:45:00 PM	3152.235029	534
7/24/2023 3:00:00 PM	3142.557215	551
7/24/2023 3:15:00 PM	3156.061273	549
7/24/2023 3:30:00 PM	3144.532172	548
7/24/2023 3:45:00 PM	3137.798074	560
7/24/2023 4:00:00 PM	3134.681921	569
7/24/2023 4:15:00 PM	3134.397754	579
7/24/2023 4:30:00 PM	3143.504978	587
7/24/2023 4:45:00 PM	3160.393843	590
7/24/2023 5:00:00 PM	3160.361225	594
7/24/2023 5:15:00 PM	1255.590427	633
7/24/2023 5:30:00 PM	225.234375	673
7/24/2023 5:45:00 PM	225.234375	662
7/24/2023 6:00:00 PM	225.234375	651
7/24/2023 6:15:00 PM	225.234375	638

7/24/2023 6:30:00 PM	225.234375	623
7/24/2023 6:45:00 PM	225.234375	606
7/24/2023 7:00:00 PM	225.234375	583
7/24/2023 7:15:00 PM	225.234375	568
7/24/2023 7:30:00 PM	225.234375	544
7/24/2023 7:45:00 PM	225.234375	533
7/24/2023 8:00:00 PM	225.234375	516
7/24/2023 8:15:00 PM	225.234375	508
7/24/2023 8:30:00 PM	225.234375	494
7/24/2023 8:45:00 PM	225.234375	494
7/24/2023 9:00:00 PM	225.234375	494
7/24/2023 9:15:00 PM	85.5890625	497
7/25/2023 4:00:00 AM	179.5216468	219
7/25/2023 4:15:00 AM	3415.854824	219
7/25/2023 4:30:00 AM	3388.990104	166
7/25/2023 4:45:00 AM	3387.58574	166
7/25/2023 5:00:00 AM	3385.028881	163
7/25/2023 5:15:00 AM	3390.478104	163
7/25/2023 5:30:00 AM	3393.198678	155
7/25/2023 5:45:00 AM	3400.376472	155
7/25/2023 6:00:00 AM	3405.349385	149
7/25/2023 6:15:00 AM	3417.180083	148
7/25/2023 6:30:00 AM	3426.064811	145
7/25/2023 6:45:00 AM	3438.378271	144
7/25/2023 7:00:00 AM	522.2521602	154
7/25/2023 10:45:00 AM	1535.120981	119
7/25/2023 11:00:00 AM	3295.157941	119
7/25/2023 11:15:00 AM	3283.910758	266
7/25/2023 11:30:00 AM	3270.586248	308
7/25/2023 11:45:00 AM	3265.201286	322
7/25/2023 12:00:00 PM	3257.786793	326
7/25/2023 12:15:00 PM	3251.35042	347
7/25/2023 12:30:00 PM	3256.662401	355
7/25/2023 12:45:00 PM	3251.060124	364
7/25/2023 1:00:00 PM	3238.897142	369
7/25/2023 1:15:00 PM	3241.836973	340
7/25/2023 1:30:00 PM	3219.433341	326
7/25/2023 1:45:00 PM	3225.108278	329
7/25/2023 2:00:00 PM	3227.045775	330
7/25/2023 2:15:00 PM	3228.575754	346
7/25/2023 2:30:00 PM	3236.404877	355
7/25/2023 2:45:00 PM	3226.438371	372
7/25/2023 3:00:00 PM	3215.396557	383
7/25/2023 3:15:00 PM	3208.980853	435
7/25/2023 3:30:00 PM	1436.809652	473
7/25/2023 3:45:00 PM	225.234375	456
7/25/2023 4:00:00 PM	225.234375	444



7/25/2023 4:15:00 PM	225.234375	429
7/25/2023 4:30:00 PM	225.234375	416
7/25/2023 4:45:00 PM	225.234375	401
7/25/2023 5:00:00 PM	225.234375	387
7/25/2023 5:15:00 PM	225.234375	366
7/25/2023 5:30:00 PM	225.234375	344
7/25/2023 5:45:00 PM	225.234375	332
7/25/2023 6:00:00 PM	225.234375	319
7/25/2023 6:15:00 PM	225.234375	305
7/25/2023 6:30:00 PM	225.234375	287
7/25/2023 6:45:00 PM	225.234375	278
7/25/2023 7:00:00 PM	225.234375	266
7/25/2023 7:15:00 PM	225.234375	260
7/25/2023 7:30:00 PM	98.10208333	251
7/26/2023 3:30:00 AM	2850.698345	19
7/26/2023 3:45:00 AM	3267.625426	21
7/26/2023 4:00:00 AM	3259.241221	87
7/26/2023 4:15:00 AM	3270.772246	87
7/26/2023 4:30:00 AM	3281.365206	87
7/26/2023 4:45:00 AM	3290.019053	87
7/26/2023 5:00:00 AM	3289.283446	84
7/26/2023 5:15:00 AM	3293.287284	84
7/26/2023 5:30:00 AM	3291.596498	84
7/26/2023 5:45:00 AM	3297.730946	84
7/26/2023 6:00:00 AM	3293.457146	84
7/26/2023 6:15:00 AM	2291.131554	84
7/26/2023 10:15:00 AM	202.590169	66
7/26/2023 10:30:00 AM	3211.382381	182
7/26/2023 10:45:00 AM	3208.798075	224
7/26/2023 11:00:00 AM	3207.162827	224
7/26/2023 11:15:00 AM	3202.831225	265
7/26/2023 11:30:00 AM	3196.71712	277
7/26/2023 11:45:00 AM	3196.618636	224
7/26/2023 12:00:00 PM	3194.995331	205
7/26/2023 12:15:00 PM	3196.876958	200
7/26/2023 12:30:00 PM	3207.373372	198
7/26/2023 12:45:00 PM	3214.696149	183
7/26/2023 1:00:00 PM	2357.602333	176
7/26/2023 1:15:00 PM	231.9187546	160
7/26/2023 1:30:00 PM	231.9187546	151
7/26/2023 1:45:00 PM	231.9187546	147
7/26/2023 2:00:00 PM	231.9187546	144
7/26/2023 2:15:00 PM	231.9187546	135
7/26/2023 2:30:00 PM	231.9187546	130
7/26/2023 2:45:00 PM	231.9187546	126
7/26/2023 3:00:00 PM	231.9187546	123
7/26/2023 3:15:00 PM	231.9187546	112

7/26/2023 3:30:00 PM	231.9187546	105
7/26/2023 3:45:00 PM	231.9187546	95
7/26/2023 4:00:00 PM	231.9187546	87
7/26/2023 4:15:00 PM	231.9187546	79
7/26/2023 4:30:00 PM	231.9187546	73
7/26/2023 4:45:00 PM	231.9187546	69
7/26/2023 5:00:00 PM	171.8775659	66
7/26/2023 9:15:00 PM	1060.443485	8
7/26/2023 9:30:00 PM	3324.652186	16
7/26/2023 9:45:00 PM	3320.28022	31
7/26/2023 10:00:00 PM	3327.161897	69
7/26/2023 10:15:00 PM	3335.580653	70
7/26/2023 10:30:00 PM	3339.449195	73
7/26/2023 10:45:00 PM	3342.741654	71
7/26/2023 11:00:00 PM	3343.516005	66
7/26/2023 11:15:00 PM	3346.498149	66
7/26/2023 11:30:00 PM	3348.631012	66
7/26/2023 11:45:00 PM	3348.611956	65
7/27/2023 12:00:00 AM	364.4369741	62
7/27/2023 12:15:00 AM	235.6968784	60
7/27/2023 12:30:00 AM	235.6968784	51
7/27/2023 12:45:00 AM	235.6968784	50
7/27/2023 1:00:00 AM	235.6968784	44
7/27/2023 1:15:00 AM	235.6968784	43
7/27/2023 1:30:00 AM	235.6968784	37
7/27/2023 1:45:00 AM	235.6968784	36
7/27/2023 2:00:00 AM	235.6968784	30
7/27/2023 2:15:00 AM	235.6968784	29
7/27/2023 2:30:00 AM	235.6968784	19
7/27/2023 2:45:00 AM	235.6968784	19
7/27/2023 3:00:00 AM	235.6968784	12
7/27/2023 3:15:00 AM	235.6968784	12
7/27/2023 3:30:00 AM	235.6968784	5
7/27/2023 3:45:00 AM	235.6968784	5
7/27/2023 4:00:00 AM	16.76066691	0
7/27/2023 7:00:00 AM	2279.344769	1
7/27/2023 7:15:00 AM	3400.371942	0
7/27/2023 7:30:00 AM	3389.640453	57
7/27/2023 7:45:00 AM	3399.502331	66
7/27/2023 8:00:00 AM	3401.655859	69
7/27/2023 8:15:00 AM	3400.493032	70
7/27/2023 8:30:00 AM	3397.477319	79
7/27/2023 8:45:00 AM	3385.208749	81
7/27/2023 9:00:00 AM	3371.111817	92
7/27/2023 9:15:00 AM	3352.857343	95
7/27/2023 9:30:00 AM	3345.070853	106
7/27/2023 9:45:00 AM	3339.489884	109

7/27/2023 10:00:00 AM	3327.155434	101
7/27/2023 10:15:00 AM	3322.154427	98
7/27/2023 10:30:00 AM	3318.553901	103
7/27/2023 10:45:00 AM	3316.889586	105
7/27/2023 11:00:00 AM	3299.627434	105
7/27/2023 11:15:00 AM	3313.375929	119
7/27/2023 11:30:00 AM	635.4948389	123
7/27/2023 4:15:00 PM	2175.888722	191
7/27/2023 4:30:00 PM	2913.69777	301
7/27/2023 4:45:00 PM	2905.83605	318
7/27/2023 5:00:00 PM	2903.229457	333
7/27/2023 5:15:00 PM	2916.075726	349
7/27/2023 5:30:00 PM	2915.347225	365
7/27/2023 5:45:00 PM	2919.341382	382
7/27/2023 6:00:00 PM	2918.738496	401
7/27/2023 6:15:00 PM	2922.140743	453
7/27/2023 6:30:00 PM	2924.088901	519
7/27/2023 6:45:00 PM	1511.426972	477
7/27/2023 7:00:00 PM	37.49062657	419
7/27/2023 7:15:00 PM	37.49062657	412
7/27/2023 7:30:00 PM	37.49062657	401
7/27/2023 7:45:00 PM	37.49062657	388
7/27/2023 8:00:00 PM	37.49062657	366
7/27/2023 8:15:00 PM	37.49062657	353
7/27/2023 8:30:00 PM	37.49062657	330
7/27/2023 8:45:00 PM	37.49062657	316
7/27/2023 9:00:00 PM	37.49062657	287
7/27/2023 9:15:00 PM	37.49062657	271
7/27/2023 9:30:00 PM	37.49062657	237
7/27/2023 9:45:00 PM	37.49062657	237
7/27/2023 10:00:00 PM	37.49062657	237
7/27/2023 10:15:00 PM	37.49062657	213
7/27/2023 10:30:00 PM	37.49062657	144
7/27/2023 10:45:00 PM	20.16162585	133
7/28/2023 6:30:00 AM	2491.86495	0
7/28/2023 6:45:00 AM	3245.029651	0
7/28/2023 7:00:00 AM	3242.101767	17
7/28/2023 7:15:00 AM	3249.711304	19
7/28/2023 7:30:00 AM	3249.932821	22
7/28/2023 7:45:00 AM	3253.596636	23
7/28/2023 8:00:00 AM	3246.828624	29
7/28/2023 8:15:00 AM	3246.870274	30
7/28/2023 8:30:00 AM	3241.439464	33
7/28/2023 8:45:00 AM	3241.020963	34
7/28/2023 9:00:00 AM	3235.028922	42
7/28/2023 9:15:00 AM	3235.572713	44
7/28/2023 9:30:00 AM	548.3373673	47

7/28/2023 1:00:00 PM	625.4346935	0
7/28/2023 1:15:00 PM	3021.702745	99
7/28/2023 1:30:00 PM	2995.802243	148
7/28/2023 1:45:00 PM	2988.034484	141
7/28/2023 2:00:00 PM	2989.637436	137
7/28/2023 2:15:00 PM	2986.699868	150
7/28/2023 2:30:00 PM	2983.554335	158
7/28/2023 2:45:00 PM	2978.434169	165
7/28/2023 3:00:00 PM	2967.672968	169
7/28/2023 3:15:00 PM	2977.960125	184
7/28/2023 3:30:00 PM	2975.401978	194
7/28/2023 3:45:00 PM	2968.89262	210
7/28/2023 4:00:00 PM	2976.865439	223
7/28/2023 4:15:00 PM	2973.631112	259
7/28/2023 4:30:00 PM	2976.832505	290
7/28/2023 4:45:00 PM	2976.451785	287
7/28/2023 5:00:00 PM	2970.71808	283
7/28/2023 5:15:00 PM	2740.866956	295
7/28/2023 5:30:00 PM	242.9625034	308
7/28/2023 5:45:00 PM	242.9625034	298
7/28/2023 6:00:00 PM	242.9625034	287
7/28/2023 6:15:00 PM	242.9625034	271
7/28/2023 6:30:00 PM	242.9625034	251
7/28/2023 6:45:00 PM	242.9625034	233
7/28/2023 7:00:00 PM	242.9625034	208
7/28/2023 7:15:00 PM	242.9625034	193
7/28/2023 7:30:00 PM	242.9625034	169
7/28/2023 7:45:00 PM	242.9625034	153
7/28/2023 8:00:00 PM	242.9625034	126
7/28/2023 8:15:00 PM	242.9625034	114
7/28/2023 8:30:00 PM	242.9625034	91
7/28/2023 8:45:00 PM	242.9625034	82
7/28/2023 9:00:00 PM	242.9625034	66
7/28/2023 9:15:00 PM	229.1946282	61
7/29/2023 6:15:00 AM	570.5863276	0
7/29/2023 6:30:00 AM	3336.185792	5
7/29/2023 6:45:00 AM	3312.815347	5
7/29/2023 7:00:00 AM	3304.197991	8
7/29/2023 7:15:00 AM	3298.37872	9
7/29/2023 7:30:00 AM	3319.708331	9
7/29/2023 7:45:00 AM	3302.198175	9
7/29/2023 8:00:00 AM	3311.683534	9
7/29/2023 8:15:00 AM	3328.815551	9
7/29/2023 8:30:00 AM	3315.629894	14
7/29/2023 8:45:00 AM	107.4395431	16
7/29/2023 12:15:00 PM	2781.711077	41
7/29/2023 12:30:00 PM	3226.242034	58

7/29/2023 12:45:00 PM	3214.963209	93
7/29/2023 1:00:00 PM	3210.178553	108
7/29/2023 1:15:00 PM	3198.857092	111
7/29/2023 1:30:00 PM	3185.425696	112
7/29/2023 1:45:00 PM	3193.835733	109
7/29/2023 2:00:00 PM	3171.75954	108
7/29/2023 2:15:00 PM	3168.562993	115
7/29/2023 2:30:00 PM	3160.280828	119
7/29/2023 2:45:00 PM	3165.318964	119
7/29/2023 3:00:00 PM	3177.112526	119
7/29/2023 3:15:00 PM	3173.605337	139
7/29/2023 3:30:00 PM	3169.345742	154
7/29/2023 3:45:00 PM	3168.022426	167
7/29/2023 4:00:00 PM	3163.586841	176
7/29/2023 4:15:00 PM	2082.991089	191
7/29/2023 4:30:00 PM	223.4906244	205
7/29/2023 4:45:00 PM	223.4906244	188
7/29/2023 5:00:00 PM	223.4906244	173
7/29/2023 5:15:00 PM	223.4906244	159
7/29/2023 5:30:00 PM	223.4906244	144
7/29/2023 5:45:00 PM	223.4906244	124
7/29/2023 6:00:00 PM	223.4906244	101
7/29/2023 6:15:00 PM	223.4906244	87
7/29/2023 6:30:00 PM	223.4906244	69
7/29/2023 6:45:00 PM	223.4906244	56
7/29/2023 7:00:00 PM	223.4906244	37
7/29/2023 7:15:00 PM	223.4906244	28
7/29/2023 7:30:00 PM	223.4906244	16
7/29/2023 7:45:00 PM	223.4906244	10
7/29/2023 8:00:00 PM	223.4906244	1
7/29/2023 8:15:00 PM	148.4971038	1
7/30/2023 7:30:00 AM	1846.42137	0
7/30/2023 7:45:00 AM	3534.574173	0
7/30/2023 8:00:00 AM	3501.382541	19
7/30/2023 8:15:00 AM	3510.41936	23
7/30/2023 8:30:00 AM	3525.818934	26
7/30/2023 8:45:00 AM	3510.880164	26
7/30/2023 9:00:00 AM	3499.305539	35
7/30/2023 9:15:00 AM	3491.719579	37
7/30/2023 9:30:00 AM	3469.402813	37
7/30/2023 9:45:00 AM	3460.769956	37
7/30/2023 10:00:00 AM	3450.494748	50
7/30/2023 10:15:00 AM	3441.271603	54
7/30/2023 10:30:00 AM	3449.395218	52
7/30/2023 10:45:00 AM	3453.115863	51
7/30/2023 11:00:00 AM	3439.513967	51
7/30/2023 11:15:00 AM	1869.522506	59

7/30/2023 11:30:00 AM	223.4906244	62
7/30/2023 11:45:00 AM	223.4906244	51
7/30/2023 12:00:00 PM	223.4906244	48
7/30/2023 12:15:00 PM	223.4906244	35
7/30/2023 12:30:00 PM	223.4906244	30
7/30/2023 12:45:00 PM	223.4906244	20
7/30/2023 1:00:00 PM	223.4906244	16
7/30/2023 1:15:00 PM	223.4906244	16
7/30/2023 1:30:00 PM	223.4906244	16
7/30/2023 1:45:00 PM	223.4906244	16
7/30/2023 2:00:00 PM	223.4906244	16
7/30/2023 2:15:00 PM	223.4906244	16
7/30/2023 2:30:00 PM	223.4906244	16
7/30/2023 2:45:00 PM	223.4906244	16
7/30/2023 3:00:00 PM	223.4906244	16
7/30/2023 3:15:00 PM	121.9265518	16
7/30/2023 5:30:00 PM	1001.861882	0
7/30/2023 5:45:00 PM	3296.513874	125
7/30/2023 6:00:00 PM	3275.191037	266
7/30/2023 6:15:00 PM	3275.562391	261
7/30/2023 6:30:00 PM	3268.852504	255
7/30/2023 6:45:00 PM	3284.746137	226
7/30/2023 7:00:00 PM	3286.190542	187
7/30/2023 7:15:00 PM	1915.050845	164
7/30/2023 7:30:00 PM	225.5249977	130
7/30/2023 7:45:00 PM	225.5249977	119
7/30/2023 8:00:00 PM	225.5249977	101
7/30/2023 8:15:00 PM	225.5249977	92
7/30/2023 8:30:00 PM	225.5249977	76
7/30/2023 8:45:00 PM	225.5249977	67
7/30/2023 9:00:00 PM	225.5249977	48
7/30/2023 9:15:00 PM	225.5249977	39
7/30/2023 9:30:00 PM	225.5249977	19
7/30/2023 9:45:00 PM	225.5249977	19
7/30/2023 10:00:00 PM	225.5249977	19
7/30/2023 10:15:00 PM	225.5249977	19
7/30/2023 10:30:00 PM	225.5249977	19
7/30/2023 10:45:00 PM	225.5249977	19
7/30/2023 11:00:00 PM	225.5249977	19
7/30/2023 11:15:00 PM	131.3056653	19
7/31/2023 7:45:00 AM	2085.010282	0
7/31/2023 8:00:00 AM	3544.166413	26
7/31/2023 8:15:00 AM	3533.888947	30
7/31/2023 8:30:00 AM	3504.716655	39
7/31/2023 8:45:00 AM	3495.205788	41
7/31/2023 9:00:00 AM	3473.973048	49
7/31/2023 9:15:00 AM	3466.497847	51

7/31/2023 9:30:00 AM	3454.182126	57
7/31/2023 9:45:00 AM	3455.527079	59
7/31/2023 10:00:00 AM	3463.588694	75
7/31/2023 10:15:00 AM	3463.134351	80
7/31/2023 10:30:00 AM	3465.893998	72
7/31/2023 10:45:00 AM	3452.608879	69
7/31/2023 11:00:00 AM	3441.051373	69
7/31/2023 11:15:00 AM	3443.040858	61
7/31/2023 11:30:00 AM	3439.117752	58
7/31/2023 11:45:00 AM	2904.038368	85
7/31/2023 12:00:00 PM	220.0031233	94
7/31/2023 12:15:00 PM	220.0031233	84
7/31/2023 12:30:00 PM	220.0031233	80
7/31/2023 12:45:00 PM	220.0031233	70
7/31/2023 1:00:00 PM	220.0031233	66
7/31/2023 1:15:00 PM	220.0031233	52
7/31/2023 1:30:00 PM	220.0031233	45
7/31/2023 1:45:00 PM	220.0031233	26
7/31/2023 2:00:00 PM	220.0031233	16
7/31/2023 2:15:00 PM	220.0031233	16
7/31/2023 2:30:00 PM	220.0031233	16
7/31/2023 2:45:00 PM	220.0031233	16
7/31/2023 3:00:00 PM	220.0031233	16
7/31/2023 3:15:00 PM	220.0031233	16
7/31/2023 3:30:00 PM	220.0031233	16
7/31/2023 3:45:00 PM	190.6693735	16
8/1/2023 1:00:00 AM	720.8430059	0
8/1/2023 1:15:00 AM	3561.479262	16
8/1/2023 1:30:00 AM	3525.474063	16
8/1/2023 1:45:00 AM	3469.034353	16
8/1/2023 2:00:00 AM	3453.170109	19
8/1/2023 2:15:00 AM	3454.483089	19
8/1/2023 2:30:00 AM	3456.514239	19
8/1/2023 2:45:00 AM	3457.284713	19
8/1/2023 3:00:00 AM	2284.421017	12
8/1/2023 3:15:00 AM	232.7906227	12
8/1/2023 3:30:00 AM	232.7906227	5
8/1/2023 3:45:00 AM	232.7906227	5
8/1/2023 4:00:00 AM	232.7906227	5
8/1/2023 4:15:00 AM	232.7906227	5
8/1/2023 4:30:00 AM	232.7906227	5
8/1/2023 4:45:00 AM	232.7906227	5
8/1/2023 5:00:00 AM	232.7906227	5
8/1/2023 5:15:00 AM	232.7906227	5
8/1/2023 5:30:00 AM	232.7906227	5
8/1/2023 5:45:00 AM	232.7906227	5
8/1/2023 6:00:00 AM	232.7906227	5

8/1/2023 6:15:00 AM	232.7906227	5
8/1/2023 6:30:00 AM	232.7906227	5
8/1/2023 6:45:00 AM	232.7906227	5
8/1/2023 7:00:00 AM	154.9350922	5
8/1/2023 9:45:00 AM	2050.365529	0
8/1/2023 10:00:00 AM	3435.895684	46
8/1/2023 10:15:00 AM	3403.134493	63
8/1/2023 10:30:00 AM	3412.030205	71
8/1/2023 10:45:00 AM	3393.307825	74
8/1/2023 11:00:00 AM	3399.075761	74
8/1/2023 11:15:00 AM	3396.493389	76
8/1/2023 11:30:00 AM	3388.500233	77
8/1/2023 11:45:00 AM	3387.713608	87
8/1/2023 12:00:00 PM	3376.258788	91
8/1/2023 12:15:00 PM	3380.074697	89
8/1/2023 12:30:00 PM	3372.927581	88
8/1/2023 12:45:00 PM	3363.897859	88
8/1/2023 1:00:00 PM	3357.348789	88
8/1/2023 1:15:00 PM	3225.785433	97
8/1/2023 4:00:00 PM	2710.843141	0
8/1/2023 4:15:00 PM	3077.894449	72
8/1/2023 4:30:00 PM	3080.586927	141
8/1/2023 4:45:00 PM	3087.643946	176
8/1/2023 5:00:00 PM	3081.514665	212
8/1/2023 5:15:00 PM	3084.382809	220
8/1/2023 5:30:00 PM	1059.000705	230
8/1/2023 5:45:00 PM	245.2875137	241
8/1/2023 6:00:00 PM	245.2875137	255
8/1/2023 6:15:00 PM	245.2875137	238
8/1/2023 6:30:00 PM	245.2875137	216
8/1/2023 6:45:00 PM	245.2875137	200
8/1/2023 7:00:00 PM	245.2875137	176
8/1/2023 7:15:00 PM	245.2875137	160
8/1/2023 7:30:00 PM	245.2875137	96
8/1/2023 7:45:00 PM	245.2875137	87
8/1/2023 8:00:00 PM	245.2875137	87
8/1/2023 8:15:00 PM	245.2875137	87
8/1/2023 8:30:00 PM	245.2875137	87
8/1/2023 8:45:00 PM	92.66417185	76
8/2/2023 5:45:00 AM	2909.635802	0
8/2/2023 6:00:00 AM	3403.46774	31
8/2/2023 6:15:00 AM	3391.170437	34
8/2/2023 6:30:00 AM	3362.653342	30
8/2/2023 6:45:00 AM	3330.638729	30
8/2/2023 7:00:00 AM	3323.90786	33
8/2/2023 7:15:00 AM	3324.304078	34
8/2/2023 7:30:00 AM	2443.407748	34



8/2/2023 7:45:00 AM	221.4562511	34
8/2/2023 8:00:00 AM	221.4562511	22
8/2/2023 8:15:00 AM	221.4562511	20
8/2/2023 8:30:00 AM	221.4562511	14
8/2/2023 8:45:00 AM	221.4562511	13
8/2/2023 9:00:00 AM	221.4562511	7
8/2/2023 9:15:00 AM	16.48618759	6
8/2/2023 12:30:00 PM	127.8530428	0
8/2/2023 12:45:00 PM	3324.744211	78
8/2/2023 1:00:00 PM	3276.316727	116
8/2/2023 1:15:00 PM	3259.671339	125
8/2/2023 1:30:00 PM	3242.773112	131
8/2/2023 1:45:00 PM	3241.757539	124
8/2/2023 2:00:00 PM	3253.358967	120
8/2/2023 2:15:00 PM	3261.355993	126
8/2/2023 2:30:00 PM	3260.779912	130
8/2/2023 2:45:00 PM	3252.784499	134
8/2/2023 3:00:00 PM	2204.051257	137
8/2/2023 3:15:00 PM	238.3124971	131
8/2/2023 3:30:00 PM	238.3124971	126
8/2/2023 3:45:00 PM	238.3124971	113
8/2/2023 4:00:00 PM	238.3124971	101
8/2/2023 4:15:00 PM	238.3124971	89
8/2/2023 4:30:00 PM	238.3124971	76
8/2/2023 4:45:00 PM	238.3124971	66
8/2/2023 5:00:00 PM	238.3124971	55
8/2/2023 5:15:00 PM	238.3124971	45
8/2/2023 5:30:00 PM	238.3124971	34
8/2/2023 5:45:00 PM	238.3124971	23
8/2/2023 6:00:00 PM	238.3124971	9
8/2/2023 6:15:00 PM	238.3124971	5
8/2/2023 6:30:00 PM	238.3124971	0
8/2/2023 6:45:00 PM	238.3124971	0
8/2/2023 7:00:00 PM	159.1397898	0
8/3/2023 3:30:00 AM	1170.040435	0
8/3/2023 3:45:00 AM	3424.229351	0
8/3/2023 4:00:00 AM	3399.151645	37
8/3/2023 4:15:00 AM	3394.204558	37
8/3/2023 4:30:00 AM	3388.374942	44
8/3/2023 4:45:00 AM	3389.97306	44
8/3/2023 5:00:00 AM	3311.811076	41
8/3/2023 5:15:00 AM	3306.071555	41
8/3/2023 5:30:00 AM	1972.049522	44
8/3/2023 5:45:00 AM	242.0906353	44
8/3/2023 6:00:00 AM	242.0906353	35
8/3/2023 6:15:00 AM	242.0906353	34
8/3/2023 6:30:00 AM	242.0906353	24

8/3/2023 6:45:00 AM	242.0906353	23
8/3/2023 7:00:00 AM	242.0906353	13
8/3/2023 7:15:00 AM	242.0906353	12
8/3/2023 7:30:00 AM	242.0906353	3
8/3/2023 7:45:00 AM	242.0906353	1
8/3/2023 8:00:00 AM	242.0906353	1
8/3/2023 8:15:00 AM	162.9812364	1
8/3/2023 9:15:00 AM	409.1509193	0
8/3/2023 9:30:00 AM	3339.494726	60
8/3/2023 9:45:00 AM	3300.590366	79
8/3/2023 10:00:00 AM	3283.857151	90
8/3/2023 10:15:00 AM	3288.350535	94
8/3/2023 10:30:00 AM	3278.903937	99
8/3/2023 10:45:00 AM	3276.188206	101
8/3/2023 11:00:00 AM	3254.525017	101
8/3/2023 11:15:00 AM	3262.315382	104
8/3/2023 11:30:00 AM	3256.325278	104
8/3/2023 11:45:00 AM	3249.993529	112
8/3/2023 12:00:00 PM	3237.254142	115
8/3/2023 12:15:00 PM	3248.64567	120
8/3/2023 12:30:00 PM	3228.691679	122
8/3/2023 12:45:00 PM	3214.552129	130
8/3/2023 1:00:00 PM	329.1644605	133
8/3/2023 4:00:00 PM	2021.19227	0
8/3/2023 4:15:00 PM	3055.967761	0
8/3/2023 4:30:00 PM	3036.689954	133
8/3/2023 4:45:00 PM	380.7051934	54
8/3/2023 5:00:00 PM	230.175004	206
8/3/2023 5:15:00 PM	230.175004	271
8/3/2023 5:30:00 PM	230.175004	212
8/3/2023 5:45:00 PM	230.175004	190
8/3/2023 6:00:00 PM	230.175004	156
8/3/2023 6:15:00 PM	230.175004	142
8/3/2023 6:30:00 PM	230.175004	108
8/3/2023 6:45:00 PM	230.175004	93
8/3/2023 7:00:00 PM	230.175004	61
8/3/2023 7:15:00 PM	230.175004	44
8/3/2023 7:30:00 PM	230.175004	20
8/3/2023 7:45:00 PM	230.175004	7
8/3/2023 8:00:00 PM	230.175004	3
8/3/2023 8:15:00 PM	230.175004	0
8/3/2023 8:30:00 PM	230.175004	0
8/3/2023 8:45:00 PM	14.83350026	0
8/4/2023 6:30:00 AM	31.6206461	341
8/4/2023 6:45:00 AM	3516.463065	304
8/4/2023 7:00:00 AM	3465.901423	474
8/4/2023 7:15:00 AM	3451.411829	1682

8/4/2023 7:30:00 AM	3438.066657	1688
8/4/2023 7:45:00 AM	3446.205766	1741
8/4/2023 8:00:00 AM	3439.114837	1744
8/4/2023 8:15:00 AM	3449.558287	1779
8/4/2023 8:30:00 AM	3448.771665	1781
8/4/2023 8:45:00 AM	3447.752212	1801
8/4/2023 9:00:00 AM	3429.52809	1801
8/4/2023 9:15:00 AM	3421.944076	1801
8/4/2023 9:30:00 AM	3399.402877	1801
8/4/2023 9:45:00 AM	3400.386151	1828
8/4/2023 10:00:00 AM	2944.761387	1828
8/4/2023 10:15:00 AM	242.9625034	1796
8/4/2023 10:30:00 AM	242.9625034	1795
8/4/2023 10:45:00 AM	242.9625034	1764
8/4/2023 11:00:00 AM	242.9625034	1763
8/4/2023 11:15:00 AM	242.9625034	1741
8/4/2023 11:30:00 AM	242.9625034	1741
8/4/2023 11:45:00 AM	242.9625034	1699
8/4/2023 12:00:00 PM	242.9625034	1698
8/4/2023 12:15:00 PM	242.9625034	1667
8/4/2023 12:30:00 PM	242.9625034	1666
8/4/2023 12:45:00 PM	242.9625034	1640
8/4/2023 1:00:00 PM	242.9625034	1639
8/4/2023 1:15:00 PM	242.9625034	1619
8/4/2023 1:30:00 PM	242.9625034	1617
8/4/2023 1:45:00 PM	242.9625034	1602
8/4/2023 2:00:00 PM	211.6473363	1601
8/4/2023 2:15:00 PM	1997.846358	1587
8/4/2023 2:30:00 PM	3143.839199	1584
8/4/2023 2:45:00 PM	3138.15134	1906
8/4/2023 3:00:00 PM	3156.213689	1963
8/4/2023 3:15:00 PM	3154.314934	2012
8/4/2023 3:30:00 PM	3139.583156	2023
8/4/2023 3:45:00 PM	3125.740034	2066
8/4/2023 4:00:00 PM	3126.34292	2076
8/4/2023 4:15:00 PM	379.754846	2110
8/4/2023 4:30:00 PM	239.765625	2120
8/4/2023 4:45:00 PM	239.765625	2018
8/4/2023 5:00:00 PM	239.765625	1985
8/4/2023 5:15:00 PM	239.765625	1913
8/4/2023 5:30:00 PM	239.765625	1888
8/4/2023 5:45:00 PM	239.765625	1818
8/4/2023 6:00:00 PM	239.765625	1790
8/4/2023 6:15:00 PM	239.765625	1712
8/4/2023 6:30:00 PM	239.765625	1677
8/4/2023 6:45:00 PM	239.765625	1594
8/4/2023 7:00:00 PM	239.765625	1552

8/4/2023 7:15:00 PM	239.765625	1504
8/4/2023 7:30:00 PM	239.765625	1477
8/4/2023 7:45:00 PM	239.765625	1430
8/4/2023 8:00:00 PM	239.765625	1401
8/4/2023 8:15:00 PM	14.3859375	1378
8/5/2023 6:45:00 AM	630.8038268	272
8/5/2023 7:00:00 AM	3499.725974	120
8/5/2023 7:15:00 AM	3457.349616	117
8/5/2023 7:30:00 AM	3446.492195	88
8/5/2023 7:45:00 AM	3453.333512	89
8/5/2023 8:00:00 AM	3431.294769	104
8/5/2023 8:15:00 AM	3430.542372	105
8/5/2023 8:30:00 AM	3419.442107	109
8/5/2023 8:45:00 AM	2166.469247	109
8/5/2023 9:00:00 AM	233.9531279	109
8/5/2023 9:15:00 AM	233.9531279	109
8/5/2023 9:30:00 AM	233.9531279	83
8/5/2023 9:45:00 AM	233.9531279	83
8/5/2023 10:00:00 AM	233.9531279	66
8/5/2023 10:15:00 AM	233.9531279	66
8/5/2023 10:30:00 AM	233.9531279	45
8/5/2023 10:45:00 AM	233.9531279	44
8/5/2023 11:00:00 AM	233.9531279	44
8/5/2023 11:15:00 AM	233.9531279	12
8/5/2023 11:30:00 AM	233.9531279	12
8/5/2023 11:45:00 AM	233.9531279	0
8/5/2023 12:00:00 PM	233.9531279	0
8/5/2023 12:15:00 PM	233.9531279	0
8/5/2023 12:30:00 PM	233.9531279	0
8/5/2023 12:45:00 PM	144.2710955	0
8/5/2023 1:00:00 PM	1939.740086	0
8/5/2023 1:15:00 PM	3376.111863	269
8/5/2023 1:30:00 PM	3308.403983	293
8/5/2023 1:45:00 PM	3333.655098	298
8/5/2023 2:00:00 PM	3345.083447	299
8/5/2023 2:15:00 PM	3337.191685	275
8/5/2023 2:30:00 PM	3318.666923	271
8/5/2023 2:45:00 PM	3321.769509	285
8/5/2023 3:00:00 PM	3338.404873	288
8/5/2023 3:15:00 PM	2764.964615	297
8/5/2023 3:30:00 PM	228.7218761	299
8/5/2023 3:45:00 PM	228.7218761	255
8/5/2023 4:00:00 PM	228.7218761	244
8/5/2023 4:15:00 PM	228.7218761	206
8/5/2023 4:30:00 PM	228.7218761	196
8/5/2023 4:45:00 PM	228.7218761	159
8/5/2023 5:00:00 PM	228.7218761	147

8/5/2023 5:15:00 PM	228.7218761	116
8/5/2023 5:30:00 PM	228.7218761	104
8/5/2023 5:45:00 PM	228.7218761	74
8/5/2023 6:00:00 PM	228.7218761	61
8/5/2023 6:15:00 PM	228.7218761	35
8/5/2023 6:30:00 PM	228.7218761	23
8/5/2023 6:45:00 PM	228.7218761	8
8/5/2023 7:00:00 PM	228.7218761	0
8/5/2023 7:15:00 PM	189.3308864	0
8/6/2023 4:15:00 AM	2319.394834	13
8/6/2023 4:30:00 AM	3464.397278	56
8/6/2023 4:45:00 AM	3429.296242	57
8/6/2023 5:00:00 AM	3411.880693	62
8/6/2023 5:15:00 AM	3411.847117	64
8/6/2023 5:30:00 AM	3397.586467	73
8/6/2023 5:45:00 AM	3390.387361	73
8/6/2023 6:00:00 AM	381.750795	73
8/6/2023 6:15:00 AM	239.4750023	70
8/6/2023 6:30:00 AM	239.4750023	56
8/6/2023 6:45:00 AM	239.4750023	55
8/6/2023 7:00:00 AM	239.4750023	45
8/6/2023 7:15:00 AM	239.4750023	44
8/6/2023 7:30:00 AM	239.4750023	29
8/6/2023 7:45:00 AM	239.4750023	28
8/6/2023 8:00:00 AM	239.4750023	8
8/6/2023 8:15:00 AM	239.4750023	7
8/6/2023 8:30:00 AM	239.4750023	0
8/6/2023 8:45:00 AM	239.4750023	0
8/6/2023 9:00:00 AM	239.4750023	0
8/6/2023 9:15:00 AM	239.4750023	0
8/6/2023 9:30:00 AM	239.4750023	0
8/6/2023 9:45:00 AM	239.4750023	0
8/6/2023 10:00:00 AM	13.30416679	0
8/6/2023 11:45:00 AM	864.4669745	0
8/6/2023 12:00:00 PM	3415.467978	0
8/6/2023 12:15:00 PM	3397.402401	75
8/6/2023 12:30:00 PM	3405.908679	78
8/6/2023 12:45:00 PM	3409.971938	73
8/6/2023 1:00:00 PM	3398.317231	72
8/6/2023 1:15:00 PM	2024.627126	82
8/6/2023 1:30:00 PM	243.8343716	83
8/6/2023 1:45:00 PM	243.8343716	83
8/6/2023 2:00:00 PM	243.8343716	83
8/6/2023 2:15:00 PM	243.8343716	69
8/6/2023 2:30:00 PM	243.8343716	67
8/6/2023 2:45:00 PM	243.8343716	53
8/6/2023 3:00:00 PM	243.8343716	51

8/6/2023 3:15:00 PM	243.8343716	33
8/6/2023 3:30:00 PM	243.8343716	29
8/6/2023 3:45:00 PM	243.8343716	16
8/6/2023 4:00:00 PM	243.8343716	13
8/6/2023 4:15:00 PM	243.8343716	3
8/6/2023 4:30:00 PM	243.8343716	0
8/6/2023 4:45:00 PM	243.8343716	0
8/6/2023 5:00:00 PM	243.8343716	0
8/6/2023 5:15:00 PM	140.3402272	0
8/6/2023 7:15:00 PM	2437.769944	0
8/6/2023 7:30:00 PM	3418.748808	0
8/6/2023 7:45:00 PM	3422.499484	48
8/6/2023 8:00:00 PM	3416.665026	77
8/6/2023 8:15:00 PM	3421.713187	81
8/6/2023 8:30:00 PM	3417.36317	83
8/6/2023 8:45:00 PM	1349.766166	92
8/6/2023 9:00:00 PM	231.3374949	99
8/6/2023 9:15:00 PM	231.3374949	90
8/6/2023 9:30:00 PM	231.3374949	83
8/6/2023 9:45:00 PM	231.3374949	74
8/6/2023 10:00:00 PM	231.3374949	67
8/6/2023 10:15:00 PM	231.3374949	59
8/6/2023 10:30:00 PM	231.3374949	51
8/6/2023 10:45:00 PM	231.3374949	40
8/6/2023 11:00:00 PM	231.3374949	29
8/6/2023 11:15:00 PM	231.3374949	21
8/6/2023 11:30:00 PM	231.3374949	13
8/6/2023 11:45:00 PM	231.3374949	7
8/7/2023 12:00:00 AM	231.3374949	0
8/7/2023 12:15:00 AM	231.3374949	0
8/7/2023 12:30:00 AM	231.3374949	0
8/7/2023 12:45:00 AM	83.79558147	0
8/7/2023 3:00:00 AM	1854.983183	0
8/7/2023 3:15:00 AM	3465.38314	24
8/7/2023 3:30:00 AM	3445.02583	83
8/7/2023 3:45:00 AM	3442.313005	84
8/7/2023 4:00:00 AM	3436.380058	88
8/7/2023 4:15:00 AM	3436.574458	90
8/7/2023 4:30:00 AM	1591.111183	94
8/7/2023 4:45:00 AM	229.5937586	89
8/7/2023 5:00:00 AM	229.5937586	72
8/7/2023 5:15:00 AM	229.5937586	69
8/7/2023 5:30:00 AM	229.5937586	56
8/7/2023 5:45:00 AM	229.5937586	53
8/7/2023 6:00:00 AM	229.5937586	40
8/7/2023 6:15:00 AM	229.5937586	37
8/7/2023 6:30:00 AM	229.5937586	23

8/7/2023 6:45:00 AM	229.5937586	21
8/7/2023 7:00:00 AM	229.5937586	2
8/7/2023 7:15:00 AM	229.5937586	2
8/7/2023 7:30:00 AM	229.5937586	0
8/7/2023 7:45:00 AM	229.5937586	0
8/7/2023 8:00:00 AM	229.5937586	0
8/7/2023 8:15:00 AM	229.5937586	0
8/7/2023 8:30:00 AM	100.2559412	0
8/7/2023 10:15:00 AM	268.0340758	0
8/7/2023 10:30:00 AM	857.8261921	75
8/7/2023 10:45:00 AM	3436.421387	77
8/7/2023 11:00:00 AM	3410.607436	77
8/7/2023 11:15:00 AM	3411.720847	126
8/7/2023 11:30:00 AM	3389.170612	126
8/7/2023 11:45:00 AM	3381.067669	163
8/7/2023 12:00:00 PM	3386.893409	164
8/7/2023 12:15:00 PM	3384.293924	195
8/7/2023 12:30:00 PM	3362.553559	196
8/7/2023 12:45:00 PM	3361.17761	201
8/7/2023 1:00:00 PM	3372.616295	202
8/7/2023 1:15:00 PM	3378.762361	226
8/7/2023 1:30:00 PM	3383.640012	229
8/7/2023 1:45:00 PM	3357.656526	310
8/7/2023 2:00:00 PM	1708.158143	320
8/7/2023 2:15:00 PM	241.5093899	268
8/7/2023 2:30:00 PM	241.5093899	261
8/7/2023 2:45:00 PM	241.5093899	233
8/7/2023 3:00:00 PM	241.5093899	229
8/7/2023 3:15:00 PM	241.5093899	197
8/7/2023 3:30:00 PM	241.5093899	191
8/7/2023 3:45:00 PM	241.5093899	165
8/7/2023 4:00:00 PM	241.5093899	158
8/7/2023 4:15:00 PM	241.5093899	133
8/7/2023 4:30:00 PM	241.5093899	126
8/7/2023 4:45:00 PM	241.5093899	101
8/7/2023 5:00:00 PM	241.5093899	93
8/7/2023 5:15:00 PM	241.5093899	70
8/7/2023 5:30:00 PM	241.5093899	61
8/7/2023 5:45:00 PM	241.5093899	42
8/7/2023 6:00:00 PM	117.266226	34
8/8/2023 4:00:00 AM	1741.838995	0
8/8/2023 4:15:00 AM	3541.276312	15
8/8/2023 4:30:00 AM	3474.108669	61
8/8/2023 4:45:00 AM	3478.763516	62
8/8/2023 5:00:00 AM	3476.074909	67
8/8/2023 5:15:00 AM	3478.535537	69
8/8/2023 5:30:00 AM	1304.3686	77

8/8/2023 9:00:00 AM	491.1859607	0
8/8/2023 9:15:00 AM	3397.488943	2
8/8/2023 9:30:00 AM	3303.887354	169
8/8/2023 9:45:00 AM	3283.84391	169
8/8/2023 10:00:00 AM	3275.621163	196
8/8/2023 10:15:00 AM	3275.345392	196
8/8/2023 10:30:00 AM	3273.733716	232
8/8/2023 10:45:00 AM	3328.01439	234
8/8/2023 11:00:00 AM	3330.165979	234
8/8/2023 11:15:00 AM	3308.60484	271
8/8/2023 11:30:00 AM	3310.17486	271
8/8/2023 11:45:00 AM	3304.835108	303
8/8/2023 12:00:00 PM	3299.497613	304
8/8/2023 12:15:00 PM	3315.602767	314
8/8/2023 12:30:00 PM	807.8454789	315
8/8/2023 12:45:00 PM	235.115633	284
8/8/2023 1:00:00 PM	235.115633	282
8/8/2023 1:15:00 PM	235.115633	238
8/8/2023 1:30:00 PM	235.115633	234
8/8/2023 1:45:00 PM	235.115633	190
8/8/2023 2:00:00 PM	235.115633	185
8/8/2023 2:15:00 PM	235.115633	143
8/8/2023 2:30:00 PM	235.115633	136
8/8/2023 2:45:00 PM	235.115633	100
8/8/2023 3:00:00 PM	13.5844588	93
8/14/2023 3:45:00 PM	2973.558451	113
8/14/2023 4:00:00 PM	3000.347293	120
8/14/2023 4:15:00 PM	2999.386939	103
8/14/2023 4:30:00 PM	449.5636168	99
8/15/2023 3:30:00 AM	2521.801262	0
8/15/2023 3:45:00 AM	2999.193844	14
8/15/2023 4:00:00 AM	3000.082823	56
8/15/2023 4:15:00 AM	3000.118342	57
8/15/2023 4:30:00 AM	2998.612907	61
8/15/2023 4:45:00 AM	2999.95947	61
8/15/2023 5:00:00 AM	626.237463	61
8/15/2023 12:15:00 PM	2852.005838	0
8/15/2023 12:30:00 PM	2999.656585	0
8/15/2023 12:45:00 PM	2999.75055	93
8/15/2023 1:00:00 PM	3000.405745	99
8/15/2023 1:15:00 PM	2999.837409	94
8/15/2023 1:30:00 PM	3000.143862	94
8/15/2023 1:45:00 PM	2999.209342	89
8/15/2023 2:00:00 PM	3000.397347	89
8/15/2023 2:15:00 PM	803.1354133	98
8/16/2023 4:30:00 AM	2933.506772	0
8/16/2023 4:45:00 AM	2999.965609	16



8/16/2023 5:00:00 AM	2998.80763	73
8/16/2023 5:15:00 AM	2999.504486	73
8/16/2023 5:30:00 AM	2999.987239	73
8/16/2023 5:45:00 AM	3000.534267	72
8/16/2023 6:00:00 AM	1519.117552	67
8/16/2023 9:30:00 AM	2209.908642	0
8/16/2023 9:45:00 AM	3000.285296	0
8/16/2023 10:00:00 AM	2999.753454	103
8/16/2023 10:15:00 AM	2999.988212	104
8/16/2023 10:30:00 AM	3000.280451	172
8/16/2023 10:45:00 AM	3000.532977	174
8/16/2023 11:00:00 AM	2999.865508	175
8/16/2023 11:15:00 AM	2999.016555	223
8/16/2023 11:30:00 AM	3000.462579	223
8/16/2023 11:45:00 AM	2999.349807	229
8/16/2023 12:00:00 PM	2999.17317	229
8/16/2023 12:15:00 PM	3000.310479	244
8/16/2023 12:30:00 PM	3000.399932	245
8/16/2023 12:45:00 PM	3000.50326	235
8/16/2023 1:00:00 PM	2677.915974	234
8/17/2023 7:00:00 AM	2450.193524	0
8/17/2023 7:15:00 AM	2999.281992	4
8/17/2023 7:30:00 AM	3000.094777	45
8/17/2023 7:45:00 AM	2999.914909	45
8/17/2023 8:00:00 AM	1996.79365	45
8/17/2023 9:45:00 AM	1199.095189	0
8/17/2023 10:00:00 AM	2999.259068	81
8/17/2023 10:15:00 AM	2999.718578	83
8/17/2023 10:30:00 AM	2999.721801	88
8/17/2023 10:45:00 AM	3000.062485	88
8/17/2023 11:00:00 AM	87.63635483	88
8/17/2023 3:45:00 PM	2010.298993	0
8/17/2023 4:00:00 PM	2999.367565	0
8/17/2023 4:15:00 PM	2999.323974	52
8/17/2023 4:30:00 PM	3000.452243	66
8/17/2023 4:45:00 PM	2999.581667	66
8/17/2023 5:00:00 PM	690.6906617	66
8/18/2023 4:15:00 AM	1151.531823	9
8/18/2023 4:30:00 AM	2999.222262	40
8/18/2023 4:45:00 AM	2998.968443	45
8/18/2023 5:00:00 AM	3000.550736	62
8/18/2023 5:15:00 AM	3000.061837	63
8/18/2023 5:30:00 AM	3000.373455	67
8/18/2023 5:45:00 AM	2398.895951	65
8/18/2023 9:15:00 AM	801.856017	1
8/18/2023 9:30:00 AM	3000.098003	115
8/18/2023 9:45:00 AM	3000.435131	115

8/18/2023 10:00:00 AM	2999.323649	136
8/18/2023 10:15:00 AM	2999.605875	136
8/18/2023 10:30:00 AM	2999.869379	152
8/18/2023 10:45:00 AM	3000.348584	153
8/18/2023 11:00:00 AM	3000.058605	153
8/18/2023 11:15:00 AM	2999.368856	163
8/18/2023 11:30:00 AM	2999.430532	163
8/18/2023 11:45:00 AM	2999.475096	163
8/18/2023 12:00:00 PM	770.8495613	163
8/19/2023 4:15:00 AM	1303.609104	10
8/19/2023 4:30:00 AM	2998.860913	41
8/19/2023 4:45:00 AM	2999.963348	46
8/19/2023 5:00:00 AM	2999.633331	67
8/19/2023 5:15:00 AM	2999.956892	66
8/19/2023 5:30:00 AM	3000.251071	62
8/19/2023 5:45:00 AM	2999.76185	63
8/19/2023 6:00:00 AM	1572.887708	68
8/19/2023 9:30:00 AM	484.1373366	0
8/19/2023 9:45:00 AM	2999.081141	0
8/19/2023 10:00:00 AM	2998.683302	151
8/19/2023 10:15:00 AM	2997.922515	153
8/19/2023 10:30:00 AM	2993.363249	174
8/19/2023 10:45:00 AM	2994.92617	174
8/19/2023 11:00:00 AM	2992.595033	175
8/19/2023 11:15:00 AM	2988.815938	223
8/19/2023 11:30:00 AM	2980.278021	223
8/19/2023 11:45:00 AM	2984.020949	228
8/19/2023 12:00:00 PM	2981.784108	228
8/19/2023 12:15:00 PM	2980.138524	249
8/19/2023 12:30:00 PM	2976.206368	250
8/19/2023 12:45:00 PM	2969.626291	235
8/19/2023 1:00:00 PM	2968.727615	234
8/19/2023 1:15:00 PM	1301.498842	253
8/20/2023 5:45:00 AM	2471.716241	9
8/20/2023 6:00:00 AM	2999.908449	56
8/20/2023 6:15:00 AM	2999.251319	57
8/20/2023 6:30:00 AM	3001.090973	66
8/20/2023 6:45:00 AM	2999.813835	70
8/20/2023 7:00:00 AM	2999.064998	99
8/20/2023 7:15:00 AM	2999.352065	100
8/20/2023 7:30:00 AM	2999.7612	115
8/20/2023 7:45:00 AM	2999.789618	115
8/20/2023 8:00:00 AM	3000.347941	109
8/20/2023 8:15:00 AM	3000.504553	110
8/20/2023 8:30:00 AM	2999.827406	120
8/20/2023 8:45:00 AM	2903.358631	120
8/20/2023 12:00:00 PM	802.7349967	34

8/20/2023 12:15:00 PM	2998.663288	216
8/20/2023 12:30:00 PM	2998.76597	223
8/20/2023 12:45:00 PM	2999.721802	223
8/20/2023 1:00:00 PM	2999.724064	223
8/20/2023 1:15:00 PM	3000.039558	208
8/20/2023 1:30:00 PM	2999.097286	206
8/20/2023 1:45:00 PM	3000.545569	231
8/20/2023 2:00:00 PM	2999.98789	234
8/20/2023 2:15:00 PM	2696.066151	248
8/21/2023 8:00:00 AM	1729.510038	0
8/21/2023 8:15:00 AM	3000.127387	5
8/21/2023 8:30:00 AM	2999.889406	77
8/21/2023 8:45:00 AM	2999.691782	77
8/21/2023 9:00:00 AM	2999.754094	88
8/21/2023 9:15:00 AM	2999.738594	88
8/21/2023 9:30:00 AM	2999.958503	99
8/21/2023 9:45:00 AM	2999.476717	99
8/21/2023 10:00:00 AM	3000.0289	88
8/21/2023 10:15:00 AM	2999.660772	88
8/21/2023 10:30:00 AM	2999.362724	109
8/21/2023 10:45:00 AM	2999.888437	109
8/21/2023 11:00:00 AM	2999.592645	110
8/21/2023 11:15:00 AM	3000.293049	174
8/21/2023 11:30:00 AM	1287.314081	174
8/22/2023 12:15:00 AM	877.5231433	0
8/22/2023 12:30:00 AM	2999.519016	0
8/22/2023 12:45:00 AM	3000.139985	30
8/22/2023 1:00:00 AM	3000.405101	77
8/22/2023 1:15:00 AM	2999.090186	77
8/22/2023 1:30:00 AM	2999.876159	77
8/22/2023 1:45:00 AM	2999.125701	77
8/22/2023 2:00:00 AM	2558.44455	77
8/22/2023 9:15:00 AM	1907.161676	0
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8/22/2023 9:45:00 AM	3000.06184	99
8/22/2023 10:00:00 AM	2998.607099	110
8/22/2023 10:15:00 AM	2749.290243	110
8/22/2023 10:45:00 AM	2194.762883	110
8/22/2023 11:00:00 AM	3000.08929	110
8/22/2023 11:15:00 AM	3000.292084	121
8/22/2023 11:30:00 AM	2552.428946	121
8/23/2023 7:00:00 AM	1357.821646	0
8/23/2023 7:15:00 AM	2999.13539	15
8/23/2023 7:30:00 AM	3000.169045	147
8/23/2023 7:45:00 AM	3000.018569	147
8/23/2023 8:00:00 AM	2999.867122	142
8/23/2023 8:15:00 AM	2999.669169	142

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8/23/2023 9:00:00 AM	3000.14612	147
8/23/2023 9:15:00 AM	1283.257603	147
8/24/2023 12:00:00 PM	1792.833673	0
8/24/2023 12:15:00 PM	2998.57545	111
8/24/2023 12:30:00 PM	2999.462181	116
8/24/2023 12:45:00 PM	2999.790265	136
8/24/2023 1:00:00 PM	3000.523284	137
8/24/2023 1:15:00 PM	2999.79188	147
8/24/2023 1:30:00 PM	3000.595622	148
8/24/2023 1:45:00 PM	2998.961015	153
8/24/2023 2:00:00 PM	3000.136104	153
8/24/2023 2:15:00 PM	3000.021795	162
8/24/2023 2:30:00 PM	3000.408652	164
8/24/2023 2:45:00 PM	2999.50771	159
8/24/2023 3:00:00 PM	3000.298214	158
8/24/2023 3:15:00 PM	1185.366385	158
8/25/2023 7:00:00 AM	2742.560015	0
8/25/2023 7:15:00 AM	2999.806092	13
8/25/2023 7:30:00 AM	2999.47058	136
8/25/2023 7:45:00 AM	3000.238796	136
8/25/2023 8:00:00 AM	3000.740938	136
8/25/2023 8:15:00 AM	612.9952948	76
8/25/2023 8:30:00 AM	2999.431187	136
8/25/2023 8:45:00 AM	2999.960443	136
8/25/2023 9:00:00 AM	2999.994669	136
8/25/2023 9:15:00 AM	2999.437322	138
8/25/2023 9:30:00 AM	2999.767011	147
8/25/2023 9:45:00 AM	2999.586824	148
8/25/2023 10:00:00 AM	3000.118023	158
8/25/2023 10:15:00 AM	2999.447007	162
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8/25/2023 10:45:00 AM	3000.278516	198
8/25/2023 11:00:00 AM	2999.14411	223
8/25/2023 11:15:00 AM	1009.065508	228
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8/25/2023 1:45:00 PM	2997.92187	302
8/25/2023 2:00:00 PM	3000.547506	336
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8/26/2023 9:15:00 AM	3000.504554	158
8/26/2023 9:30:00 AM	2999.572942	153
8/26/2023 9:45:00 AM	3000.20747	153
8/26/2023 10:00:00 AM	2999.283605	158
8/26/2023 10:15:00 AM	2999.591028	158
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8/26/2023 10:45:00 AM	3000.243318	169
8/26/2023 11:00:00 AM	2999.744412	169
8/26/2023 11:15:00 AM	2999.576166	209
8/26/2023 11:30:00 AM	3000.043437	212
8/26/2023 11:45:00 AM	2999.767339	197
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8/26/2023 1:00:00 PM	53.58963521	169
8/26/2023 1:15:00 PM	2994.406604	242
8/26/2023 1:30:00 PM	3001.350923	255
8/26/2023 1:45:00 PM	2999.637852	278
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8/26/2023 2:15:00 PM	3000.849755	274
8/26/2023 2:30:00 PM	2999.591027	271
8/26/2023 2:45:00 PM	3000.883346	297
8/26/2023 3:00:00 PM	2999.080495	304
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8/26/2023 4:00:00 PM	1932.660465	342
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8/27/2023 12:45:00 PM	2999.220639	376
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8/27/2023 1:15:00 PM	2999.814163	384
8/27/2023 1:30:00 PM	3000.083475	385
8/27/2023 1:45:00 PM	3000.133853	394
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8/28/2023 4:00:00 PM	3000.29628	888
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8/28/2023 4:45:00 PM	2999.874555	998
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8/28/2023 6:45:00 PM	3000.044405	983
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8/28/2023 7:30:00 PM	3000.117704	1050
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8/29/2023 1:45:00 PM	1499.827482	3792
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8/29/2023 2:15:00 PM	1499.30113	3969
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8/29/2023 3:30:00 PM	1740.679078	4109
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8/29/2023 4:00:00 PM	1744.217594	4039
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8/29/2023 11:45:00 PM	1801.606022	5029
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8/30/2023 12:15:00 AM	1802.20665	5090
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8/30/2023 1:15:00 AM	1799.197717	5140
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8/30/2023 3:30:00 AM	1796.58532	5478
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8/31/2023 5:45:00 PM	1783.923757	7588



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9/1/2023 2:45:00 PM	2348.854842	8127

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9/1/2023 3:30:00 PM	2348.518044	8345
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9/2/2023 10:15:00 PM	3000.321145	8742
9/2/2023 10:30:00 PM	2999.46541	8902
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9/2/2023 11:45:00 PM	2992.164584	8856
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9/4/2023 9:15:00 AM	2999.213535	8870
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9/4/2023 10:00:00 AM	2998.761131	8982
9/4/2023 10:15:00 AM	2998.768556	8984
9/4/2023 10:30:00 AM	2998.106254	8866
9/4/2023 10:45:00 AM	2996.953772	8848
9/4/2023 11:00:00 AM	2993.791446	8848
9/4/2023 11:15:00 AM	2993.112024	9124
9/4/2023 11:30:00 AM	2986.932689	9146
9/4/2023 11:45:00 AM	2981.723399	9093
9/4/2023 12:00:00 PM	2979.930244	9087
9/4/2023 12:15:00 PM	2971.482742	8972
9/4/2023 12:30:00 PM	2968.814155	8957
9/4/2023 12:45:00 PM	2968.058207	9026
9/4/2023 1:00:00 PM	2964.63916	9038
9/4/2023 1:15:00 PM	2967.236707	8934
9/4/2023 1:30:00 PM	2961.51624	8914
9/4/2023 1:45:00 PM	2960.462562	8848
9/4/2023 2:00:00 PM	2957.982237	8833
9/4/2023 2:15:00 PM	2952.719021	8897
9/4/2023 2:30:00 PM	2953.163032	8914
9/4/2023 2:45:00 PM	2952.273719	8889
9/4/2023 3:00:00 PM	2943.937628	8881
9/4/2023 3:15:00 PM	2939.557588	8882
9/4/2023 3:30:00 PM	2938.635011	8882
9/4/2023 3:45:00 PM	1363.228566	8932
9/5/2023 10:30:00 PM	1428.85976	8757
9/5/2023 10:45:00 PM	2712.821646	8791
9/5/2023 11:00:00 PM	2705.855036	8844
9/5/2023 11:15:00 PM	2706.66362	8846
9/5/2023 11:30:00 PM	2706.859635	8849
9/5/2023 11:45:00 PM	2707.505465	8736
9/6/2023 12:00:00 AM	2704.353474	8524
9/6/2023 12:15:00 AM	2705.940293	8603
9/6/2023 12:30:00 AM	2705.146884	8768
9/6/2023 12:45:00 AM	2706.68106	8785
9/6/2023 1:00:00 AM	2706.411745	8827
9/6/2023 1:15:00 AM	2705.693911	8821
9/6/2023 1:30:00 AM	2709.490436	8806
9/6/2023 1:45:00 AM	2708.495532	8783
9/6/2023 2:00:00 AM	2706.438548	8719
9/6/2023 2:15:00 AM	2707.811275	8738
9/6/2023 2:30:00 AM	2707.5552	8800
9/6/2023 2:45:00 AM	2709.987411	8791
9/6/2023 3:00:00 AM	2710.140149	8757
9/6/2023 3:15:00 AM	2711.189954	8726
9/6/2023 3:30:00 AM	2709.426178	8594
9/6/2023 3:45:00 AM	2711.815441	8618

9/6/2023 4:00:00 AM	2708.628897	8740
9/6/2023 4:15:00 AM	2710.469523	8715
9/6/2023 4:30:00 AM	2717.860114	8562
9/6/2023 4:45:00 AM	2712.737366	8574
9/6/2023 5:00:00 AM	2711.286503	8664
9/6/2023 5:15:00 AM	2714.722329	8670
9/6/2023 5:30:00 AM	2712.685696	8724
9/6/2023 5:45:00 AM	2715.209935	8726
9/6/2023 6:00:00 AM	2711.894231	8762
9/6/2023 6:15:00 AM	2710.215062	8754
9/6/2023 6:30:00 AM	2714.008039	8594
9/6/2023 6:45:00 AM	2484.241856	8593
9/7/2023 7:45:00 AM	1219.039164	8409
9/7/2023 8:00:00 AM	2975.848902	8452
9/7/2023 8:15:00 AM	2981.73179	8453
9/7/2023 8:30:00 AM	2961.766823	8607
9/7/2023 8:45:00 AM	2958.61483	8615
9/7/2023 9:00:00 AM	2949.788224	8295
9/7/2023 9:15:00 AM	2943.490053	8269
9/7/2023 9:30:00 AM	2938.539424	8401
9/7/2023 9:45:00 AM	2944.232764	8415
9/7/2023 10:00:00 AM	2949.399428	8558
9/7/2023 10:15:00 AM	2951.656943	8577
9/7/2023 10:30:00 AM	2958.350043	8457
9/7/2023 10:45:00 AM	2948.580843	8437
9/7/2023 11:00:00 AM	2946.713087	8437
9/7/2023 11:15:00 AM	2934.865923	8571
9/7/2023 11:30:00 AM	2937.373694	8583
9/7/2023 11:45:00 AM	2941.113068	8515
9/7/2023 12:00:00 PM	2947.10479	8507
9/7/2023 12:15:00 PM	2939.282453	8602
9/7/2023 12:30:00 PM	2942.582994	8615
9/7/2023 12:45:00 PM	2939.294409	8643
9/7/2023 1:00:00 PM	2937.303308	8648
9/7/2023 1:15:00 PM	2948.401952	8607
9/7/2023 1:30:00 PM	2944.541153	8599
9/7/2023 1:45:00 PM	2933.619786	8437
9/7/2023 2:00:00 PM	2922.287358	8399
9/7/2023 2:15:00 PM	628.1071513	8178
9/18/2023 11:30:00 AM	134.0255961	0
9/29/2023 6:45:00 AM	735.0513392	0
9/29/2023 7:00:00 AM	1395.252211	0
9/30/2023 2:30:00 PM	444.2693988	0
9/30/2023 2:45:00 PM	246.7115638	0
10/11/2023 9:15:00 AM	883.8600575	149
10/11/2023 9:30:00 AM	3431.824028	214
10/12/2023 9:15:00 AM	2501.356441	2523

10/12/2023 9:30:00 AM	175.6789381	3571
10/12/2023 10:00:00 AM	907.9209029	3650
10/12/2023 10:15:00 AM	3806.511017	3593
10/12/2023 10:30:00 AM	3688.859886	3723
10/12/2023 10:45:00 AM	3665.979949	3906
10/12/2023 11:00:00 AM	3656.899856	3906
10/12/2023 11:15:00 AM	2015.899017	4113
10/12/2023 11:30:00 AM	385.0820017	4138
10/12/2023 11:45:00 AM	516.4018792	3917
10/12/2023 12:00:00 PM	480.5758899	3884
10/12/2023 12:15:00 PM	459.9557236	3733
10/12/2023 12:30:00 PM	493.0172234	3705
10/12/2023 12:45:00 PM	316.2742738	3812
10/13/2023 8:15:00 AM	245.1176484	9512
10/13/2023 8:30:00 AM	535.3974533	9395
10/13/2023 8:45:00 AM	549.4378693	9382
10/13/2023 9:00:00 AM	566.6977648	9783
10/13/2023 9:15:00 AM	593.6900455	9842
10/13/2023 9:30:00 AM	616.1230653	9521
10/13/2023 9:45:00 AM	608.4147225	9463
10/13/2023 10:00:00 AM	588.9990352	9904
10/13/2023 10:15:00 AM	576.9800774	9998
10/13/2023 10:30:00 AM	1872.437474	9998
10/13/2023 10:45:00 AM	2013.861416	9998
10/13/2023 11:00:00 AM	471.9188161	9998
10/13/2023 11:15:00 AM	78.6511994	9998

Sum 3709727.609

SO2 Emitted lbs	Hourly sums SO2 lbs/ hr
3.04	3.04
1.07	4.11
0.30	4.41
0.30	4.71
0.30	1.97
0.30	1.21
0.30	1.21
0.30	1.22
0.30	1.21
0.30	1.21
0.30	1.21
0.30	1.21
0.30	1.21
0.30	1.21
0.30	1.21
0.30	1.20
0.30	1.20
0.30	1.21
0.09	1.00
2.64	2.64
3.06	5.70
3.06	8.76
3.04	11.80
3.04	12.20
3.05	12.20
3.06	12.19
3.05	12.20
2.99	12.15
2.97	12.07
2.35	11.36
0.30	8.61
0.30	5.92
0.30	3.24
0.30	1.19
0.30	1.19
0.30	1.20
0.30	1.21
0.30	1.21
0.29	1.20
0.29	1.19
0.29	1.18
0.29	1.18
0.29	1.18
0.29	1.18
0.29	1.18
0.23	1.11
0.42	0.42

3.05	3.47
3.07	6.54
3.08	9.62
3.08	12.28
3.08	12.30
3.07	12.30
3.02	12.25
3.03	12.20
3.06	12.17
3.05	12.16
3.05	12.19
2.21	11.37
0.27	8.58
0.27	5.79
0.27	3.01
0.27	1.07
0.27	1.08
0.27	1.08
0.27	1.09
0.27	1.09
0.27	1.09
0.27	1.09
0.27	1.09
0.27	1.08
0.27	1.08
0.27	1.08
0.27	1.08
0.20	1.00
0.58	0.58
3.04	3.63
3.05	6.67
3.06	9.73
3.06	12.21
3.02	12.18
3.01	12.14
3.06	12.14
3.08	12.16
3.06	12.20
3.05	12.25
3.06	12.25
2.98	12.16
2.97	12.06
3.06	12.06
3.09	12.10
3.10	12.21
3.10	12.34
3.11	12.39

0.94	10.25
0.26	7.41
0.26	4.57
0.25	1.71
0.25	1.02
0.25	1.02
0.25	1.01
0.25	1.01
0.25	1.01
0.25	1.01
0.25	1.01
0.25	1.02
0.25	1.01
0.25	1.01
0.25	1.01
0.25	1.00
0.25	1.00
0.07	0.82
2.79	2.79
3.06	5.85
3.06	8.91
3.08	11.98
3.07	12.27
3.05	12.26
3.05	12.24
3.05	12.21
3.05	12.19
3.08	12.22
2.88	12.06
0.27	9.28
0.27	6.50
0.27	3.69
0.27	1.07
0.27	1.07
0.27	1.07
0.27	1.08
0.27	1.08
0.27	1.08
0.27	1.08
0.27	1.08
0.27	1.08
0.27	1.08
0.26	1.07
0.26	1.07
0.27	1.07
0.26	1.06
0.38	0.38
3.09	3.47
3.04	6.52



3.03	9.55
3.06	12.22
3.06	12.19
3.06	12.21
3.06	12.24
3.06	12.24
3.06	12.23
3.03	12.21
3.02	12.17
3.02	12.14
3.00	12.08
2.99	12.04
3.06	12.08
3.38	12.44
3.38	12.82
3.27	13.10
3.39	13.43
3.41	13.46
3.45	13.53
3.47	13.73
3.44	13.77
3.42	13.78
3.40	13.73
3.39	13.65
3.37	13.58
3.36	13.53
3.39	13.52
3.41	13.54
3.40	13.57
3.39	13.60
3.40	13.61
3.42	13.61
1.58	11.79
1.22	1.22
3.39	4.61
3.41	8.02
3.43	11.44
3.41	13.64
3.38	13.62
3.40	13.62
1.01	11.20
0.29	8.08
0.29	4.99
0.29	1.87
0.28	1.15
0.28	1.15
0.29	1.14

0.29	1.14
0.29	1.14
0.29	1.14
0.29	1.15
0.29	1.15
0.29	1.15
0.29	1.15
0.29	1.15
0.29	1.15
0.29	1.15
0.07	0.93
3.28	3.28
3.46	6.73
3.38	10.11
3.38	13.48
3.38	13.59
3.38	13.51
2.94	13.08
2.15	2.15
3.80	5.94
3.95	9.90
3.94	13.84
3.94	15.63
3.93	15.77
3.82	15.64
3.80	15.49
3.81	15.36
3.81	15.25
3.83	15.26
3.84	15.29
0.66	12.14
0.25	8.58
0.25	5.00
0.25	1.41
0.25	1.00
2.68	2.68
4.03	6.71
4.03	10.74
2.91	13.65
1.52	1.52
4.41	5.93
4.34	10.27
4.32	14.58
4.25	17.31
0.68	13.58
0.11	9.35
2.85	2.85
3.24	6.09

3.12	9.20
2.75	11.95
2.86	11.97
2.91	11.64
2.82	11.34
2.74	11.33
1.36	9.82
0.22	7.13
0.22	4.54
0.22	2.02
0.22	0.88
0.22	0.88
0.22	0.88
0.22	0.88
0.22	0.88
0.23	0.89
0.22	0.89
0.22	0.89
0.22	0.89
0.22	0.88
0.22	0.88
0.23	0.88
0.10	0.77
2.24	2.24
3.51	5.75
3.13	8.88
1.93	1.93
3.59	5.52
1.28	6.80
3.29	3.29
2.28	5.57
1.22	1.22
3.59	4.81
0.05	4.86
2.42	2.42
2.01	4.43
1.57	1.57
3.51	5.08
3.48	8.55
2.01	10.56
0.78	9.78
3.48	9.75
3.45	9.73
3.44	11.16
3.44	13.81
3.22	13.55
0.25	10.35

0.24	7.16
0.24	3.96
0.25	0.98
0.25	0.98
0.25	0.99
0.25	0.99
0.25	0.99
0.25	0.99
0.24	0.99
0.24	0.97
0.24	0.97
0.25	0.97
0.25	0.98
0.25	0.98
0.24	0.98
0.23	0.96
1.95	1.95
3.09	5.04
2.77	7.81
2.75	10.57
2.73	11.35
2.74	11.00
2.74	10.97
2.70	10.92
2.66	10.85
0.73	8.83
0.18	6.27
0.18	3.75
0.18	1.28
0.18	0.73
0.18	0.73
0.18	0.73
0.18	0.73
0.18	0.73
0.18	0.73
0.18	0.73
0.18	0.73
0.18	0.72
0.18	0.72
0.18	0.73
0.18	0.73
0.18	0.73
0.04	0.59
0.77	0.77
2.84	3.61
2.75	6.36
2.76	9.11
2.68	11.03
0.52	8.71

0.35	0.35
2.85	3.21
2.79	6.00
2.83	8.83
2.83	11.31
0.72	9.18
0.19	6.58
0.19	3.94
0.19	1.30
0.19	0.77
0.19	0.77
0.19	0.77
0.19	0.77
0.19	0.77
0.19	0.77
0.19	0.77
0.19	0.77
0.19	0.77
0.19	0.77
0.19	0.77
0.19	0.77
0.19	0.78
0.04	0.63
1.09	1.09
2.71	3.80
2.63	6.43
2.63	9.06
2.62	10.59
2.59	10.47
2.55	10.39
2.57	10.34
2.57	10.29
2.57	10.28
2.56	10.28
2.51	10.21
2.47	10.10
2.48	10.01
2.48	9.93
2.42	9.84
2.39	9.77
2.44	9.72
2.43	9.68
2.42	9.68
2.41	9.70
2.41	9.68
2.39	9.63
2.37	9.59
2.36	9.53

2.32	9.44
2.29	9.34
2.23	9.20
0.16	7.00
0.16	4.84
0.16	2.71
0.16	0.64
0.16	0.63
0.16	0.63
0.16	0.63
0.16	0.63
0.16	0.63
0.16	0.63
0.16	0.63
0.16	0.63
0.15	0.62
0.15	0.62
0.15	0.62
0.15	0.61
0.00	0.46
1.19	1.19
1.74	2.93
1.06	4.00
1.05	5.05
1.00	4.85
1.00	4.11
0.94	3.99
0.52	3.46
0.07	2.53
0.07	1.60
0.07	0.72
0.07	0.26
0.07	0.26
0.07	0.26
0.07	0.26
0.07	0.26
0.07	0.26
0.07	0.26
0.07	0.26
0.07	0.26
0.06	0.26
0.06	0.26
0.06	0.26
0.06	0.26
0.06	0.25
0.03	0.22
0.66	0.66
0.60	1.26
0.57	1.83

0.55	2.38
0.55	2.27
0.50	2.17
0.49	2.09
0.52	2.06
0.53	2.03
0.52	2.05
0.51	2.07
0.51	2.06
0.51	2.04
0.51	2.04
0.24	1.77
0.04	1.30
0.03	0.82
0.03	0.34
0.03	0.14
0.03	0.14
0.03	0.14
0.03	0.13
0.03	0.13
0.03	0.13
0.03	0.13
0.03	0.13
0.03	0.13
0.03	0.13
0.03	0.13
0.03	0.13
0.03	0.13
0.03	0.13
0.03	0.13
0.03	0.12
0.01	0.11
0.08	0.08
0.35	0.42
0.33	0.75
0.29	1.04
0.28	1.25
0.26	1.16
0.26	1.09
0.04	0.85
0.02	0.58
0.02	0.33
0.02	0.09
0.02	0.06
0.02	0.06
0.01	0.06
0.18	0.23
0.20	0.41
0.20	0.60
0.20	0.78
0.19	0.79

0.19	0.78
0.19	0.77
0.19	0.76
0.19	0.75
0.19	0.75
0.19	0.74
0.18	0.74
0.18	0.73
0.17	0.72
0.17	0.70
0.16	0.68
0.02	0.52
0.09	0.12
0.16	0.26
0.16	0.42
0.16	0.58
0.16	0.65
0.16	0.65
0.16	0.65
0.16	0.65
0.16	0.65
0.05	0.53
0.01	0.38
0.01	0.23
0.01	0.08
0.01	0.04
0.01	0.04
0.01	0.04
0.01	0.04
0.01	0.04
0.01	0.04
0.01	0.04
0.01	0.04
0.01	0.04
0.01	0.04
0.01	0.04
0.01	0.04
0.01	0.04
0.01	0.04
0.00	0.03
0.05	0.05
0.15	0.20
0.16	0.36
0.16	0.53
0.17	0.64
0.17	0.66
0.18	0.68
0.21	0.73
0.23	0.79





0.03	0.03
0.13	0.17
0.13	0.30
0.13	0.43
0.13	0.54
0.14	0.54
0.14	0.54
0.14	0.54
0.14	0.55
0.10	0.51
0.01	0.38
0.01	0.25
0.01	0.12
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.03
0.01	0.01
0.14	0.15
0.25	0.41
0.31	0.72
0.28	0.99
0.27	1.12
0.28	1.14
0.29	1.12
0.29	1.12
0.29	1.14
0.29	1.15
0.30	1.16
0.30	1.18
0.31	1.20
0.31	1.22
0.31	1.23
0.13	1.06
0.03	0.78
0.02	0.49
0.02	0.21
0.02	0.10

0.02	0.10
0.02	0.09
0.02	0.09
0.02	0.09
0.02	0.09
0.02	0.08
0.02	0.08
0.02	0.08
0.02	0.08
0.02	0.08
0.02	0.07
0.01	0.06
0.01	0.01
0.12	0.13
0.09	0.22
0.09	0.32
0.09	0.40
0.09	0.37
0.09	0.36
0.09	0.36
0.08	0.35
0.08	0.34
0.08	0.34
0.08	0.33
0.01	0.26
0.03	0.03
0.07	0.10
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0.17	0.55
0.18	0.66
0.19	0.71
0.19	0.73
0.20	0.75
0.20	0.77
0.18	0.77
0.17	0.75
0.18	0.73
0.18	0.71
0.19	0.71
0.19	0.73
0.20	0.75
0.20	0.78
0.23	0.83
0.11	0.75
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0.02	0.38

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0.11	0.48
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0.10	0.42
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0.00	0.02

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0.00	0.01
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0.00	0.00
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0.27	0.45
0.97	1.42

0.96	2.38
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0.53	0.71
0.83	1.48
0.99	2.41
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0.08	1.38
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0.04	0.22
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0.15	0.63
0.16	0.63
0.16	0.62
0.14	0.60
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0.01	0.32
0.01	0.17
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0.01	0.03
0.01	0.03
0.01	0.03

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0.17	0.50
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0.18	0.70
0.18	0.72
0.21	0.75
0.22	0.79
0.00	0.61
0.00	0.00

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0.08	0.23
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0.08	0.31
0.08	0.31
0.08	0.31
0.08	0.31
0.08	0.31
0.08	0.31
0.08	0.32
0.08	0.33
0.08	0.33
0.10	0.36
0.11	0.38
0.10	0.39
0.05	0.36
0.00	0.00
0.12	0.12
0.13	0.25
0.14	0.39
0.14	0.53
0.14	0.54
0.14	0.55
0.15	0.56
0.15	0.57
0.16	0.59
0.16	0.62
0.17	0.64
0.11	0.59
0.00	0.00
0.00	0.00
0.00	0.00
0.13	0.13
0.14	0.28
0.16	0.44
0.16	0.60
0.17	0.64
0.18	0.67
0.19	0.70
0.19	0.73
0.19	0.74
0.19	0.76
0.20	0.77
0.20	0.78
0.21	0.79
0.21	0.81



0.22	0.83
0.22	0.85
0.22	0.86
0.22	0.87
0.22	0.88
0.22	0.88
0.22	0.87
0.22	0.87
0.20	0.86
0.07	0.07
0.37	0.43
0.39	0.82
0.43	1.25
0.44	1.63
0.50	1.76
0.52	1.89
0.50	1.95
0.49	2.00
0.49	1.99
0.49	1.97
0.59	2.06
0.64	2.20
0.54	2.26
0.49	2.25
0.49	2.16
0.49	2.01
0.51	1.98
0.52	2.01
0.32	1.85
0.14	0.14
0.80	0.93
0.87	1.81
0.92	2.73
0.93	3.52
0.95	3.66
0.95	3.74
0.99	3.81
1.06	3.95
1.14	4.14
1.14	4.33
1.18	4.52
1.19	4.65
1.17	4.68
1.17	4.71
1.19	4.72
1.20	4.73
1.19	4.75

1.19	4.77
1.22	4.80
1.24	4.84
1.25	4.90
1.25	4.96
1.27	5.01
1.28	5.05
1.28	5.08
1.27	5.10
1.30	5.13
1.33	5.17
1.34	5.24
1.35	5.31
1.36	5.37
1.37	5.42
1.37	5.45
1.36	5.46
1.38	5.48
1.41	5.51
1.42	5.56
1.43	5.63
1.44	5.69
1.45	5.74
1.46	5.78
1.48	5.84
1.49	5.89
1.50	5.93
1.51	5.98
1.52	6.02
1.53	6.05
1.53	6.08
1.52	6.10
1.52	6.10
1.54	6.11
1.58	6.16
1.58	6.22
1.60	6.29
1.60	6.35
1.61	6.39
1.61	6.42
1.62	6.44
1.62	6.46
1.64	6.48
1.64	6.51
1.65	6.54
1.65	6.57
1.67	6.61

1.68	6.65
0.61	5.61
1.77	1.77
2.17	3.94
2.16	6.10
2.18	8.27
2.17	8.68
2.19	8.70
2.19	8.73
2.19	8.74
2.18	8.75
2.17	8.73
2.17	8.71
2.17	8.70
2.17	8.69
2.19	8.70
2.19	8.72
2.20	8.74
2.20	8.77
2.20	8.78
2.21	8.80
2.21	8.81
2.16	8.78
2.16	8.74
2.21	8.74
2.21	8.74
2.20	8.78
2.20	8.82
2.21	8.82
2.21	8.81
2.20	8.81
2.19	8.80
2.17	8.76
2.17	8.72
2.19	8.72
2.20	8.73
2.21	8.77
2.21	8.81
2.18	8.79
2.16	8.76
2.20	8.75
2.21	8.76
2.25	8.83
2.27	8.93
2.26	8.99
2.26	9.04
2.25	9.04

2.25	9.02
2.25	9.01
2.25	8.99
2.26	9.01
2.27	9.03
2.27	9.05
2.27	9.08
2.27	9.08
2.27	9.08
2.29	9.10
2.30	9.13
2.31	9.17
2.31	9.21
2.31	9.24
2.31	9.25
2.33	9.27
2.35	9.30
2.34	9.33
2.32	9.33
2.33	9.33
2.35	9.33
2.36	9.36
2.36	9.40
2.37	9.43
2.39	9.47
2.09	9.20
0.00	0.00
0.77	0.77
0.56	1.33
3.27	3.83
3.23	7.06
3.22	10.28
3.30	13.02
3.31	13.05
3.23	13.05
3.22	13.06
3.17	12.93
3.16	12.78
3.22	12.76
3.22	12.77
3.19	12.79
3.17	12.80
3.21	12.80
3.22	12.79
3.19	12.79
3.17	12.78
3.17	12.75

3.17	12.70
3.25	12.76
3.26	12.85
3.24	12.92
3.23	12.98
0.71	10.45
3.69	3.69
4.38	8.06
4.35	12.41
4.30	16.71
4.36	17.39
4.44	17.45
4.39	17.49
4.32	17.51
4.35	17.49
4.41	17.46
4.41	17.48
4.41	17.57
4.42	17.65
4.44	17.68
4.41	17.69
4.34	17.61
4.38	17.57
4.48	17.61
4.45	17.65
4.38	17.70
4.37	17.69
4.31	17.52
4.33	17.39
4.38	17.39
4.38	17.41
4.36	17.45
4.36	17.48
4.15	17.24
2.79	2.79
4.32	7.11
4.41	11.52
4.41	15.93
4.45	17.59
4.45	17.71
4.46	17.76
4.46	17.81
4.50	17.86
4.50	17.91
4.43	17.88
4.42	17.84
4.47	17.82

4.47	17.79
4.48	17.84
4.48	17.90
4.42	17.85
4.41	17.79
4.40	17.71
4.54	17.77
4.54	17.90
4.51	17.99
4.50	18.09
4.43	17.98
4.42	17.86
4.45	17.81
4.45	17.76
4.41	17.74
4.39	17.71
4.36	17.61
4.34	17.50
4.37	17.46
4.38	17.44
4.36	17.45
4.35	17.45
4.34	17.43
4.34	17.39
2.02	15.05
2.08	2.08
3.97	6.05
3.98	10.02
3.98	14.00
3.98	15.91
3.93	15.87
3.83	15.73
3.87	15.62
3.94	15.58
3.95	15.60
3.97	15.74
3.97	15.84
3.97	15.86
3.96	15.86
3.92	15.81
3.93	15.78
3.96	15.77
3.96	15.78
3.95	15.80
3.93	15.80
3.87	15.71
3.89	15.64

3.94	15.63
3.93	15.62
3.87	15.62
3.87	15.60
3.91	15.57
3.91	15.55
3.93	15.62
3.94	15.69
3.95	15.74
3.94	15.77
3.88	15.71
3.55	15.32
1.70	1.70
4.18	5.89
4.19	10.08
4.24	14.31
4.24	16.85
4.07	16.73
4.05	16.59
4.10	16.46
4.12	16.34
4.20	16.47
4.21	16.63
4.16	16.68
4.14	16.70
4.13	16.64
4.18	16.61
4.19	16.64
4.16	16.67
4.17	16.71
4.20	16.73
4.21	16.75
4.22	16.81
4.22	16.86
4.22	16.88
4.21	16.88
4.12	16.77
4.08	16.62
0.85	13.26
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.02	0.02
0.12	0.14
1.05	1.05

0.10	1.15
0.55	1.70
2.27	2.93
2.28	5.11
2.38	7.49
2.37	9.31
1.38	8.42
0.26	6.40
0.34	4.35
0.31	2.29
0.29	1.20
0.30	1.24
0.20	1.10
0.39	0.39
0.84	1.22
0.86	2.08
0.92	3.00
0.97	3.59
0.98	3.73
0.96	3.83
0.97	3.87
0.96	3.86
3.11	6.00
3.35	8.39
0.78	8.20
0.13	7.38
1628.93	6228.771683
1999	1999



Total Time of Exceedance of 5000 ppm H2S Standard (hours)	Total Flare Run Time (hours)
139.25	499.75

## Double Eagle Flare H2S Exceedance

% over 5000 ppm standard	Total SO2 Emitted (Tons)	% of SO2 tonnage used
27.86%	0.81	2.69%

ces

